

ภาคผนวก ค

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ใบรับรองผลการตรวจวิเคราะห์ผลกระทบสิ่งแวดล้อม

ภาคผนวก ค-1

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ผลการตรวจวัดคุณภาพอากาศในบรรยากาศ



## Analysis / Test Report

TESTING  
No.0042

**Client :** Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand  
20230  
**P/O :** RJN-BW-012/65  
**Project Name :** Chonburi Bowin  
**Project Location :**

**Lot ID: 22144015**

Date Received : Dec 28, 2022

Date Reported : Jan 03, 2023

Report Number: 2504690-1

Page 1 of 1

<b>Sample Description</b>	Air Quality				
<b>Location</b>	A1 : วัดพันเสด็จนอก				
<b>Date Analysis Commenced</b>	Dec 29, 2022				
<b>Condition of Sample</b>	Drawn into one glass filter paper (8x10 inch) placed in plastic bag and one quartz filter paper (8x10 inch) placed in plastic bag				
Sample Number	Sampled Date	Total Suspended Particulate (mg/m3)	Particulate Matter (PM-10) (mg/m3)	Barometric Pressure (mm Hg)	Atmospheric Temperature (°C)
22144015-1	Dec 19 - Dec 20, 2022	0.094	0.031	760	28
22144015-2	Dec 20 - Dec 21, 2022	0.089	0.030	760	29
22144015-3	Dec 21 - Dec 22, 2022	0.045	0.021	760	30
22144015-4	Dec 22 - Dec 23, 2022	0.094	0.035	760	31
22144015-5	Dec 23 - Dec 24, 2022	0.097	0.040	760	30
22144015-6	Dec 24 - Dec 25, 2022	0.106	0.038	760	30
22144015-7	Dec 25 - Dec 26, 2022	0.082	0.029	760	30
<b>Guideline</b>		0.33	0.12	-	-

### Reference Method

Total Suspended Particulate : US EPA 40 CFR Part 50 Appendix B

Particulate Matter (PM-10) : US EPA 40 CFR Part 50 Appendix J

**Guideline :** Notification of the National Environmental Board. No.24, 2004 (B.E.2547) dated September 22, 2004

**Sampled By :** Jaradrawee Sriruksa

### Remark :

- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Approved by

*Thanita K.*

Thanita Kulsuriwong  
Scientist (4)

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## Analysis / Test Report

TESTING  
No.0042

**Client :** Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand  
20230  
**P/O :** RJN-BW-012/65  
**Project Name :** Chonburi Bowin  
**Project Location :**

**Lot ID: 22144015**

Date Received : Dec 28, 2022

Date Reported : Jan 03, 2023

Report Number: 2504690-2

Page 1 of 1

<b>Sample Description</b>	Air Quality				
<b>Location</b>	A2 : หมู่ 9 บ้านห้วยตาแล				
<b>Date Analysis Commenced</b>	Dec 29, 2022				
<b>Condition of Sample</b>	Drawn into one glass filter paper (8x10 inch) placed in plastic bag and one quartz filter paper (8x10 inch) placed in plastic bag				
Sample Number	Sampled Date	Total Suspended Particulate (mg/m3)	Particulate Matter (PM-10) (mg/m3)	Barometric Pressure (mm Hg)	Atmospheric Temperature (°C)
22144015-8	Dec 19 - Dec 20, 2022	0.076	0.037	760	28
22144015-9	Dec 20 - Dec 21, 2022	0.080	0.036	760	29
22144015-10	Dec 21 - Dec 22, 2022	0.055	0.026	760	30
22144015-11	Dec 22 - Dec 23, 2022	0.084	0.042	760	31
22144015-12	Dec 23 - Dec 24, 2022	0.067	0.036	760	30
22144015-13	Dec 24 - Dec 25, 2022	0.044	0.022	760	30
22144015-14	Dec 25 - Dec 26, 2022	0.048	0.030	760	30
<b>Guideline</b>		0.33	0.12	-	-

### Reference Method

Total Suspended Particulate : US EPA 40 CFR Part 50 Appendix B

Particulate Matter (PM-10) : US EPA 40 CFR Part 50 Appendix J

**Guideline :** Notification of the National Environmental Board. No.24, 2004 (B.E.2547) dated September 22, 2004

**Sampled By :** Jaradrawee Sriruksa

### Remark :

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Approved by

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Scientist (4)

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## Analysis / Test Report

TESTING  
No.0042

**Client :** Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand  
20230  
**P/O :** RJN-BW-012/65  
**Project Name :** Chonburi Bowin  
**Project Location :**

**Lot ID: 22144015**

Date Received : Dec 28, 2022

Date Reported : Jan 03, 2023

Report Number: 2504690-3

Page 1 of 1

<b>Sample Description</b>	Air Quality				
<b>Location</b>	A3 : ที่ทำการ อบต.บ่อวิน				
<b>Date Analysis Commenced</b>	Dec 29, 2022				
<b>Condition of Sample</b>	Drawn into one glass filter paper (8x10 inch) placed in plastic bag and one quartz filter paper (8x10 inch) placed in plastic bag				
Sample Number	Sampled Date	Total Suspended Particulate (mg/m3)	Particulate Matter (PM-10) (mg/m3)	Barometric Pressure (mm Hg)	Atmospheric Temperature (°C)
22144015-15	Dec 19 - Dec 20, 2022	0.075	0.035	760	28
22144015-16	Dec 20 - Dec 21, 2022	0.077	0.049	760	29
22144015-17	Dec 21 - Dec 22, 2022	0.066	0.041	760	30
22144015-18	Dec 22 - Dec 23, 2022	0.086	0.043	760	31
22144015-19	Dec 23 - Dec 24, 2022	0.090	0.058	760	30
22144015-20	Dec 24 - Dec 25, 2022	0.080	0.054	760	30
22144015-21	Dec 25 - Dec 26, 2022	0.072	0.044	760	30
<b>Guideline</b>		0.33	0.12	-	-

### Reference Method

Total Suspended Particulate : US EPA 40 CFR Part 50 Appendix B

Particulate Matter (PM-10) : US EPA 40 CFR Part 50 Appendix J

**Guideline :** Notification of the National Environmental Board. No.24, 2004 (B.E.2547) dated September 22, 2004

**Sampled By :** Jaradrawee Sriruksa

### Remark :

- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Approved by

*Thanita K.*

Thanita Kulsuriwong  
Scientist (4)

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## Analysis / Test Report

TESTING  
No.0042

**Client :** Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand  
20230  
**P/O :** RJN-BW-012/65  
**Project Name :** Chonburi Bowin  
**Project Location :**

**Lot ID: 22144015**

Date Received : Dec 28, 2022

Date Reported : Jan 03, 2023

Report Number: 2504690-4

Page 1 of 1

<b>Sample Description</b>	Air Quality				
<b>Location</b>	A4 : วัดพันเสด็จใน				
<b>Date Analysis Commenced</b>	Dec 29, 2022				
<b>Condition of Sample</b>	Drawn into one glass filter paper (8x10 inch) placed in plastic bag and one quartz filter paper (8x10 inch) placed in plastic bag				
Sample Number	Sampled Date	Total Suspended Particulate (mg/m3)	Particulate Matter (PM-10) (mg/m3)	Barometric Pressure (mm Hg)	Atmospheric Temperature (°C)
22144015-22	Dec 19 - Dec 20, 2022	0.077	0.032	760	28
22144015-23	Dec 20 - Dec 21, 2022	0.088	0.033	760	29
22144015-24	Dec 21 - Dec 22, 2022	0.075	0.032	760	30
22144015-25	Dec 22 - Dec 23, 2022	0.109	0.033	760	31
22144015-26	Dec 23 - Dec 24, 2022	0.130	0.058	760	30
22144015-27	Dec 24 - Dec 25, 2022	0.100	0.047	760	30
22144015-28	Dec 25 - Dec 26, 2022	0.109	0.055	760	30
<b>Guideline</b>		0.33	0.12	-	-

### Reference Method

Total Suspended Particulate : US EPA 40 CFR Part 50 Appendix B

Particulate Matter (PM-10) : US EPA 40 CFR Part 50 Appendix J

**Guideline :** Notification of the National Environmental Board. No.24, 2004 (B.E.2547) dated September 22, 2004

**Sampled By :** Jaradrawee Sriruksa

### Remark :

- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Approved by

*Thanita K.*

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## Analysis / Test Report

**Client :** Rojana Industrial Park Public Co., Ltd.

168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

**P/O :** RJN-BW-012/65

**Project Name :** Chonburi Bowin

**Project Location :**

**Lot ID: 22144010**

Date Received : Dec 28, 2022

Date Reported : Jan 04, 2023

Report Number: 2504665-1

Page 1 of 1

**Sample Description** Air Quality  
**Location** A1 : วัดพันเสด็จนอก  
**Parameter** Nitrogen dioxide (ppm)  
**Measurement Date** Dec 19, 2022 - Dec 26, 2022  
**Measurement by** Jaradrawee Sriruksa

Time	22144010-1 Dec 19, 2022	22144010-2 Dec 20, 2022	22144010-3 Dec 21, 2022	22144010-4 Dec 22, 2022	22144010-5 Dec 23, 2022	22144010-6 Dec 24, 2022	22144010-7 Dec 25, 2022
10:00 AM - 11:00 AM	0.004	0.005	0.007	0.007	0.007	0.006	0.006
11:00 AM - 12:00 PM	0.005	0.005	0.007	0.006	0.006	0.006	0.005
12:00 PM - 01:00 PM	0.004	0.005	0.006	0.005	0.005	0.005	0.005
01:00 PM - 02:00 PM	0.005	0.005	0.005	0.006	0.005	0.005	0.004
02:00 PM - 03:00 PM	0.005	0.005	0.006	0.006	0.006	0.005	0.004
03:00 PM - 04:00 PM	0.005	0.005	0.006	0.006	0.006	0.005	0.005
04:00 PM - 05:00 PM	0.006	0.006	0.006	0.006	0.007	0.006	0.006
05:00 PM - 06:00 PM	0.007	0.010	0.010	0.008	0.008	0.009	0.007
06:00 PM - 07:00 PM	0.010	0.011	0.012	0.008	0.008	0.010	0.007
07:00 PM - 08:00 PM	0.008	0.010	0.011	0.009	0.009	0.009	0.008
08:00 PM - 09:00 PM	0.005	0.009	0.010	0.008	0.010	0.008	0.009
09:00 PM - 10:00 PM	0.005	0.008	0.009	0.008	0.010	0.007	0.008
10:00 PM - 11:00 PM	0.005	0.010	0.008	0.008	0.010	0.006	0.006
11:00 PM - 12:00 AM	0.005	0.010	0.006	0.006	0.008	0.006	0.006
12:00 AM - 01:00 AM	0.004	0.009	0.005	0.004	0.007	0.005	0.006
01:00 AM - 02:00 AM	0.004	0.008	0.005	0.004	0.008	0.007	0.004
02:00 AM - 03:00 AM	0.004	0.006	0.005	0.003	0.008	0.005	0.004
03:00 AM - 04:00 AM	0.004	0.006	0.004	0.003	0.008	0.005	0.006
04:00 AM - 05:00 AM	0.004	0.005	0.005	0.003	0.005	0.007	0.005
05:00 AM - 06:00 AM	0.004	0.005	0.005	0.004	0.005	0.006	0.005
06:00 AM - 07:00 AM	0.006	0.006	0.006	0.007	0.008	0.007	0.006
07:00 AM - 08:00 AM	0.006	0.006	0.006	0.009	0.009	0.008	0.006
08:00 AM - 09:00 AM	0.005	0.006	0.006	0.008	0.006	0.006	0.005
09:00 AM - 10:00 AM	0.005	0.008	0.006	0.007	0.006	0.005	0.006
Average	0.005	0.007	0.007	0.006	0.007	0.006	0.006
1hr - Maximum	0.010	0.011	0.012	0.009	0.010	0.010	0.009
Standard 1hr - Average	0.170	0.170	0.170	0.170	0.170	0.170	0.170

Standard : Notification of the National Environment Board No. 33, 2009 (B.E. 2552).

Reference Method : US EPAMethod Part 50 App. F (Chemiluminescence)

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Approved by

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Saranya Chalermthamrong

Scientist (4)

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## Analysis / Test Report

**Client :** Rojana Industrial Park Public Co., Ltd.

168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

**P/O :** RJN-BW-012/65

**Project Name :** Chonburi Bowin

**Project Location :**

**Lot ID: 22144010**

Date Received : Dec 28, 2022

Date Reported : Jan 04, 2023

Report Number: 2534962-1

Page 1 of 1

**Sample Description** Air Quality  
**Location** A2 : หมู่ 9 บ้านห้วยตาเฒ่า  
**Parameter** Nitrogen dioxide (ppm)  
**Measurement Date** Dec 19, 2022 - Dec 26, 2022  
**Measurement by** Jaradrawee Sriruksa

	22144010-8	22144010-9	22144010-10	22144010-11	22144010-12	22144010-13	22144010-14
Time	Dec 19, 2022	Dec 20, 2022	Dec 21, 2022	Dec 22, 2022	Dec 23, 2022	Dec 24, 2022	Dec 25, 2022
09:00 AM - 10:00 AM	0.005	0.006	0.003	0.002	0.002	0.003	0.002
10:00 AM - 11:00 AM	0.003	0.013	0.004	0.003	0.002	0.002	0.002
11:00 AM - 12:00 PM	0.002	0.005	0.003	0.005	0.002	0.002	0.002
12:00 PM - 01:00 PM	0.002	0.002	0.003	0.005	0.002	0.002	0.002
01:00 PM - 02:00 PM	0.003	0.002	0.006	0.003	0.002	0.002	0.002
02:00 PM - 03:00 PM	0.002	0.002	0.003	0.003	0.002	0.002	0.004
03:00 PM - 04:00 PM	0.002	0.002	0.002	0.002	0.002	0.002	0.002
04:00 PM - 05:00 PM	0.002	0.002	0.002	0.002	0.002	0.002	0.002
05:00 PM - 06:00 PM	0.002	0.002	0.002	0.002	0.002	0.002	0.002
06:00 PM - 07:00 PM	0.002	0.002	0.002	0.002	0.002	0.002	0.002
07:00 PM - 08:00 PM	0.003	0.002	0.002	0.002	0.003	0.002	0.002
08:00 PM - 09:00 PM	0.004	0.002	0.002	0.002	0.002	0.002	0.002
09:00 PM - 10:00 PM	0.003	0.002	0.002	0.002	0.002	0.002	0.002
10:00 PM - 11:00 PM	0.002	0.002	0.003	0.002	0.002	0.002	0.002
11:00 PM - 12:00 AM	0.002	0.002	0.004	0.002	0.002	0.002	0.002
12:00 AM - 01:00 AM	0.002	0.002	0.005	0.002	0.002	0.002	0.008
01:00 AM - 02:00 AM	0.002	0.002	0.002	0.002	0.002	0.002	0.002
02:00 AM - 03:00 AM	0.002	0.002	0.002	0.002	0.002	0.003	0.002
03:00 AM - 04:00 AM	0.003	0.003	0.002	0.003	0.002	0.004	0.002
04:00 AM - 05:00 AM	0.005	0.006	0.002	0.004	0.002	0.004	0.002
05:00 AM - 06:00 AM	0.003	0.003	0.002	0.003	0.002	0.002	0.002
06:00 AM - 07:00 AM	0.003	0.003	0.004	0.003	0.003	0.002	0.002
07:00 AM - 08:00 AM	0.004	0.008	0.005	0.003	0.004	0.002	0.002
08:00 AM - 09:00 AM	0.008	0.003	0.002	0.002	0.003	0.002	0.002
Average	0.003	0.003	0.003	0.002	0.002	0.002	0.002
1hr - Maximum	0.008	0.013	0.006	0.005	0.004	0.004	0.008
Standard 1hr - Average	0.170	0.170	0.170	0.170	0.170	0.170	0.170

Standard : Notification of the National Environment Board No. 33, 2009 (B.E. 2552).

Reference Method : US EPA Method Part 50 App. F (Chemiluminescence)

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168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

**P/O :** RJN-BW-012/65

**Project Name :** Chonburi Bowin

**Project Location :**

**Lot ID: 22144010**

Date Received : Dec 28, 2022

Date Reported : Jan 04, 2023

Report Number: 2534963-1

Page 1 of 1

**Sample Description** Air Quality  
**Location** A3 : ที่ทำการ อบต.บ่อวิน  
**Parameter** Nitrogen dioxide (ppm)  
**Measurement Date** Dec 19, 2022 - Dec 26, 2022  
**Measurement by** Jaradrawee Sriruksa

Time	22144010-15 Dec 19, 2022	22144010-16 Dec 20, 2022	22144010-17 Dec 21, 2022	22144010-18 Dec 22, 2022	22144010-19 Dec 23, 2022	22144010-20 Dec 24, 2022	22144010-21 Dec 25, 2022
12:00 PM - 01:00 PM	0.004	0.006	0.003	0.002	0.002	0.002	0.002
01:00 PM - 02:00 PM	0.009	0.008	0.005	0.002	0.002	0.002	0.002
02:00 PM - 03:00 PM	0.004	0.007	0.009	0.002	0.002	0.003	0.006
03:00 PM - 04:00 PM	0.006	0.008	0.007	0.002	0.002	0.003	0.001
04:00 PM - 05:00 PM	0.007	0.010	0.005	0.002	0.002	0.002	0.006
05:00 PM - 06:00 PM	0.004	0.008	0.007	0.002	0.002	0.002	0.004
06:00 PM - 07:00 PM	0.004	0.006	0.008	0.002	0.002	0.002	0.002
07:00 PM - 08:00 PM	0.004	0.006	0.009	0.002	0.002	0.002	0.003
08:00 PM - 09:00 PM	0.002	0.007	0.008	0.002	0.002	0.002	0.002
09:00 PM - 10:00 PM	0.003	0.007	0.007	0.002	0.002	0.002	0.002
10:00 PM - 11:00 PM	0.007	0.005	0.009	0.002	0.002	0.002	0.002
11:00 PM - 12:00 AM	0.006	0.002	0.004	0.002	0.002	0.002	0.002
12:00 AM - 01:00 AM	0.010	0.010	0.004	0.003	0.002	0.002	0.002
01:00 AM - 02:00 AM	0.006	0.010	0.008	0.003	0.003	0.002	0.003
02:00 AM - 03:00 AM	0.004	0.009	0.004	0.003	0.002	0.003	0.002
03:00 AM - 04:00 AM	0.002	0.007	0.003	0.002	0.002	0.002	0.003
04:00 AM - 05:00 AM	0.002	0.007	0.002	0.002	0.002	0.002	0.002
05:00 AM - 06:00 AM	0.001	0.010	0.002	0.002	0.002	0.002	0.002
06:00 AM - 07:00 AM	0.003	0.012	0.002	0.002	0.002	0.002	0.002
07:00 AM - 08:00 AM	0.006	0.007	0.002	0.002	0.002	0.004	0.003
08:00 AM - 09:00 AM	0.005	0.005	0.003	0.002	0.002	0.002	0.003
09:00 AM - 10:00 AM	0.003	0.004	0.002	0.002	0.002	0.002	0.002
10:00 AM - 11:00 AM	0.002	0.002	0.002	0.002	0.002	0.002	0.003
11:00 AM - 12:00 PM	0.002	0.004	0.002	0.002	0.002	0.002	0.003
Average	0.004	0.007	0.005	0.002	0.002	0.002	0.003
1hr - Maximum	0.010	0.012	0.009	0.003	0.003	0.004	0.006
Standard 1hr - Average	0.170	0.170	0.170	0.170	0.170	0.170	0.170

Standard : Notification of the National Environment Board No. 33, 2009 (B.E. 2552).

Reference Method : US EPA Method Part 50 App. F (Chemiluminescence)

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Saranya C.

Saranya Chalermthamrong

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## Analysis / Test Report

**Client :** Rojana Industrial Park Public Co., Ltd.

168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

**P/O :** RJN-BW-012/65

**Project Name :** Chonburi Bowin

**Project Location :**

**Lot ID: 22144010**

Date Received : Dec 28, 2022

Date Reported : Jan 04, 2023

Report Number: 2534964-1

Page 1 of 1

**Sample Description** Air Quality  
**Location** A4 : วัดพันเสด็จใน  
**Parameter** Nitrogen dioxide (ppm)  
**Measurement Date** Dec 19, 2022 - Dec 26, 2022  
**Measurement by** Jaradrawee Sriruksa

	22144010-22	22144010-23	22144010-24	22144010-25	22144010-26	22144010-27	22144010-28
Time	Dec 19, 2022	Dec 20, 2022	Dec 21, 2022	Dec 22, 2022	Dec 23, 2022	Dec 24, 2022	Dec 25, 2022
11:00 AM - 12:00 PM	0.008	0.001	0.002	0.007	0.001	0.001	<0.001
12:00 PM - 01:00 PM	0.006	0.001	0.001	0.004	<0.001	<0.001	<0.001
01:00 PM - 02:00 PM	0.007	0.001	0.002	0.003	<0.001	0.002	0.002
02:00 PM - 03:00 PM	0.006	<0.001	0.001	0.002	<0.001	0.002	<0.001
03:00 PM - 04:00 PM	0.006	<0.001	0.002	0.001	<0.001	0.003	0.002
04:00 PM - 05:00 PM	0.006	<0.001	0.004	0.002	0.001	<0.001	0.004
05:00 PM - 06:00 PM	0.004	<0.001	0.004	0.002	0.002	<0.001	0.002
06:00 PM - 07:00 PM	0.003	<0.001	0.005	<0.001	0.001	<0.001	<0.001
07:00 PM - 08:00 PM	0.002	0.001	0.004	<0.001	0.002	<0.001	0.002
08:00 PM - 09:00 PM	0.002	0.001	0.001	<0.001	<0.001	<0.001	0.003
09:00 PM - 10:00 PM	0.002	0.002	<0.001	<0.001	<0.001	<0.001	0.002
10:00 PM - 11:00 PM	0.002	0.002	<0.001	<0.001	<0.001	<0.001	0.001
11:00 PM - 12:00 AM	0.002	0.002	0.001	<0.001	<0.001	<0.001	<0.001
12:00 AM - 01:00 AM	0.003	0.002	0.001	<0.001	<0.001	<0.001	<0.001
01:00 AM - 02:00 AM	0.002	0.002	<0.001	<0.001	<0.001	<0.001	<0.001
02:00 AM - 03:00 AM	0.004	0.002	<0.001	<0.001	0.002	0.001	<0.001
03:00 AM - 04:00 AM	0.002	0.002	<0.001	<0.001	0.004	0.001	0.002
04:00 AM - 05:00 AM	0.002	0.004	<0.001	<0.001	<0.001	0.002	<0.001
05:00 AM - 06:00 AM	0.002	0.002	<0.001	<0.001	<0.001	0.001	<0.001
06:00 AM - 07:00 AM	0.002	0.002	<0.001	<0.001	0.002	0.002	<0.001
07:00 AM - 08:00 AM	0.004	0.002	<0.001	0.001	0.001	0.005	<0.001
08:00 AM - 09:00 AM	0.002	0.002	<0.001	0.001	<0.001	0.001	<0.001
09:00 AM - 10:00 AM	0.002	0.002	<0.001	0.003	<0.001	0.001	<0.001
10:00 AM - 11:00 AM	0.001	0.002	0.002	0.004	0.003	<0.001	<0.001
Average	0.003	0.002	0.001	0.001	0.001	0.001	0.001
1hr - Maximum	0.008	0.004	0.005	0.007	0.004	0.005	0.004
Standard 1hr - Average	0.170	0.170	0.170	0.170	0.170	0.170	0.170

Standard : Notification of the National Environment Board No. 33, 2009 (B.E. 2552).

Reference Method : US EPAMethod Part 50 App. F (Chemiluminescence)

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## Analysis / Test Report

**Client :** Rojana Industrial Park Public Co., Ltd.

168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

**P/O :** RJN-BW-012/65

**Project Name :** Chonburi Bowin

**Project Location :**

**Lot ID: 22144012**

Date Received : Dec 28, 2022

Date Reported : Jan 04, 2023

Report Number: 2504672-1

Page 1 of 1

**Sample Description** Air Quality  
**Location** A1 : วัดพันเสด็จนอก  
**Parameter** Sulfur Dioxide (ppm)  
**Measurement Date** Dec 19, 2022 - Dec 26, 2022  
**Measurement by** Jaradrawee Sriruksa

	22144012-1 Dec 19, 2022	22144012-2 Dec 20, 2022	22144012-3 Dec 21, 2022	22144012-4 Dec 22, 2022	22144012-5 Dec 23, 2022	22144012-6 Dec 24, 2022	22144012-7 Dec 25, 2022
Time							
10:00 AM - 11:00 AM	0.002	0.002	0.002	0.002	0.002	0.002	0.002
11:00 AM - 12:00 PM	0.002	0.002	0.002	0.002	0.002	0.002	0.002
12:00 PM - 01:00 PM	0.002	0.002	0.002	0.002	0.002	0.002	0.002
01:00 PM - 02:00 PM	0.002	0.002	0.002	0.002	0.002	0.002	0.002
02:00 PM - 03:00 PM	0.002	0.002	0.002	0.002	0.002	0.002	0.002
03:00 PM - 04:00 PM	0.002	0.002	0.002	0.002	0.002	0.002	0.002
04:00 PM - 05:00 PM	0.002	0.002	0.002	0.002	0.002	0.002	0.002
05:00 PM - 06:00 PM	0.002	0.002	0.002	0.002	0.002	0.002	0.002
06:00 PM - 07:00 PM	0.002	0.002	0.002	0.002	0.002	0.002	0.002
07:00 PM - 08:00 PM	0.002	0.002	0.002	0.002	0.002	0.002	0.002
08:00 PM - 09:00 PM	0.002	0.002	0.002	0.002	0.002	0.002	0.002
09:00 PM - 10:00 PM	0.002	0.002	0.002	0.002	0.002	0.002	0.002
10:00 PM - 11:00 PM	0.002	0.002	0.002	0.002	0.002	0.002	0.002
11:00 PM - 12:00 AM	0.002	0.002	0.002	0.002	0.002	0.002	0.002
12:00 AM - 01:00 AM	0.002	0.002	0.002	0.002	0.002	0.002	0.002
01:00 AM - 02:00 AM	0.002	0.002	0.002	0.002	0.002	0.002	0.002
02:00 AM - 03:00 AM	0.002	0.002	0.002	0.002	0.002	0.002	0.002
03:00 AM - 04:00 AM	0.002	0.002	0.002	0.002	0.002	0.002	0.002
04:00 AM - 05:00 AM	0.002	0.002	0.002	0.002	0.002	0.002	0.002
05:00 AM - 06:00 AM	0.002	0.002	0.002	0.002	0.002	0.002	0.002
06:00 AM - 07:00 AM	0.002	0.002	0.002	0.002	0.002	0.002	0.002
07:00 AM - 08:00 AM	0.002	0.002	0.002	0.002	0.002	0.002	0.002
08:00 AM - 09:00 AM	0.002	0.002	0.002	0.002	0.002	0.002	0.002
09:00 AM - 10:00 AM	0.002	0.002	0.002	0.002	0.002	0.002	0.002
Average	0.002	0.002	0.002	0.002	0.002	0.002	0.002
1hr - Maximum	0.002	0.002	0.002	0.002	0.002	0.002	0.002
Standard 1hr - Average	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Standard 24 hrs - Average	0.12	0.12	0.12	0.12	0.12	0.12	0.12

Standard : Notification of the National Environment Board No.10, 1995 (B.E.2538), No. 21, 2001 (B.E.2544) and No.24, 2004 (B.E.2547).

Reference Method : US EPA Method Part 53 and 58

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## Analysis / Test Report

**Client :** Rojana Industrial Park Public Co., Ltd.

168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

**P/O :** RJN-BW-012/65

**Project Name :** Chonburi Bowin

**Project Location :**

**Lot ID: 22144012**

Date Received : Dec 28, 2022

Date Reported : Jan 04, 2023

Report Number: 2534966-1

Page 1 of 1

**Sample Description** Air Quality  
**Location** A2 : หมู่ 9 บ้านห้วยตาเฒ่า  
**Parameter** Sulfur Dioxide (ppm)  
**Measurement Date** Dec 19, 2022 - Dec 26, 2022  
**Measurement by** Jaradrawee Sriruksa

	22144012-8	22144012-9	22144012-10	22144012-11	22144012-12	22144012-13	22144012-14
Time	Dec 19, 2022	Dec 20, 2022	Dec 21, 2022	Dec 22, 2022	Dec 23, 2022	Dec 24, 2022	Dec 25, 2022
09:00 AM - 10:00 AM	0.001	0.002	0.002	0.002	0.002	0.002	0.002
10:00 AM - 11:00 AM	<0.001	0.002	0.002	0.002	0.002	0.002	0.002
11:00 AM - 12:00 PM	0.001	0.002	0.002	0.002	0.002	0.002	0.002
12:00 PM - 01:00 PM	0.002	0.002	0.002	0.002	0.002	0.002	0.002
01:00 PM - 02:00 PM	0.002	0.002	0.002	0.002	0.002	0.002	0.002
02:00 PM - 03:00 PM	0.002	0.002	0.002	0.002	0.002	0.002	0.002
03:00 PM - 04:00 PM	0.002	0.002	0.002	0.002	0.002	0.002	0.002
04:00 PM - 05:00 PM	0.002	0.002	0.002	0.002	0.002	0.002	0.002
05:00 PM - 06:00 PM	0.002	0.002	0.002	0.002	0.002	0.002	0.002
06:00 PM - 07:00 PM	0.002	0.002	0.002	0.002	0.002	0.002	0.002
07:00 PM - 08:00 PM	0.001	0.002	0.002	0.002	0.002	0.002	0.002
08:00 PM - 09:00 PM	0.001	0.002	0.002	0.002	0.002	0.002	0.002
09:00 PM - 10:00 PM	0.001	0.002	0.002	0.002	0.002	0.002	0.002
10:00 PM - 11:00 PM	0.001	0.002	0.002	0.002	0.002	0.002	0.002
11:00 PM - 12:00 AM	0.001	0.002	0.002	0.002	0.002	0.002	0.002
12:00 AM - 01:00 AM	0.001	0.002	0.002	0.002	0.002	0.002	0.002
01:00 AM - 02:00 AM	0.001	0.002	0.002	0.002	0.002	0.002	0.002
02:00 AM - 03:00 AM	0.002	0.002	0.002	0.002	0.002	0.002	0.002
03:00 AM - 04:00 AM	0.002	0.002	0.002	0.002	0.002	0.002	0.002
04:00 AM - 05:00 AM	0.002	0.002	0.002	0.002	0.002	0.002	0.002
05:00 AM - 06:00 AM	0.002	0.002	0.002	0.002	0.002	0.002	0.002
06:00 AM - 07:00 AM	0.002	0.002	0.002	0.002	0.002	0.002	0.002
07:00 AM - 08:00 AM	0.002	0.002	0.002	0.002	0.002	0.002	0.002
08:00 AM - 09:00 AM	0.002	0.002	0.002	0.002	0.002	0.002	0.002
Average	0.001	0.002	0.002	0.002	0.002	0.002	0.002
1hr - Maximum	0.002	0.002	0.002	0.002	0.002	0.002	0.002
Standard 1hr - Average	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Standard 24 hrs - Average	0.12	0.12	0.12	0.12	0.12	0.12	0.12

Standard : Notification of the National Environment Board No.10, 1995 (B.E.2538), No. 21, 2001 (B.E.2544) and No.24, 2004 (B.E.2547).

Reference Method : US EPA Method Part 53 and 58

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## Analysis / Test Report

**Client :** Rojana Industrial Park Public Co., Ltd.

168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

**P/O :** RJN-BW-012/65

**Project Name :** Chonburi Bowin

**Project Location :**

**Lot ID: 22144012**

Date Received : Dec 28, 2022

Date Reported : Jan 04, 2023

Report Number: 2534967-1

Page 1 of 1

**Sample Description** Air Quality  
**Location** A3 : ที่ทำการ อบต.บ่อวิน  
**Parameter** Sulfur Dioxide (ppm)  
**Measurement Date** Dec 19, 2022 - Dec 26, 2022  
**Measurement by** Jaradrawee Sriruksa

Time	22144012-15 Dec 19, 2022	22144012-16 Dec 20, 2022	22144012-17 Dec 21, 2022	22144012-18 Dec 22, 2022	22144012-19 Dec 23, 2022	22144012-20 Dec 24, 2022	22144012-21 Dec 25, 2022
12:00 PM - 01:00 PM	<0.001	0.002	0.001	0.001	0.001	0.001	<0.001
01:00 PM - 02:00 PM	0.002	0.001	<0.001	0.001	0.001	0.001	<0.001
02:00 PM - 03:00 PM	0.002	<0.001	<0.001	0.002	<0.001	0.001	<0.001
03:00 PM - 04:00 PM	<0.001	<0.001	<0.001	0.002	<0.001	0.001	<0.001
04:00 PM - 05:00 PM	<0.001	<0.001	<0.001	0.001	<0.001	0.001	<0.001
05:00 PM - 06:00 PM	<0.001	<0.001	<0.001	0.001	0.002	0.001	0.001
06:00 PM - 07:00 PM	<0.001	0.001	<0.001	0.001	0.002	0.001	<0.001
07:00 PM - 08:00 PM	0.002	0.001	<0.001	0.001	0.002	0.001	<0.001
08:00 PM - 09:00 PM	0.002	0.002	<0.001	0.001	0.002	0.001	<0.001
09:00 PM - 10:00 PM	0.001	0.002	<0.001	<0.001	0.002	0.001	<0.001
10:00 PM - 11:00 PM	<0.001	0.002	<0.001	<0.001	0.001	0.001	<0.001
11:00 PM - 12:00 AM	<0.001	0.001	<0.001	<0.001	0.001	0.001	<0.001
12:00 AM - 01:00 AM	<0.001	0.001	0.001	0.001	0.001	<0.001	<0.001
01:00 AM - 02:00 AM	<0.001	<0.001	<0.001	0.001	0.001	0.001	<0.001
02:00 AM - 03:00 AM	<0.001	<0.001	0.001	0.001	0.001	<0.001	<0.001
03:00 AM - 04:00 AM	0.002	0.002	0.001	0.001	0.001	<0.001	<0.001
04:00 AM - 05:00 AM	0.001	0.002	0.002	0.001	0.001	<0.001	<0.001
05:00 AM - 06:00 AM	0.001	0.002	0.002	0.001	0.001	<0.001	0.001
06:00 AM - 07:00 AM	0.002	0.001	0.001	0.001	0.001	<0.001	0.001
07:00 AM - 08:00 AM	0.001	0.001	0.001	0.001	0.001	<0.001	0.001
08:00 AM - 09:00 AM	0.002	0.001	0.001	<0.001	0.001	0.002	0.001
09:00 AM - 10:00 AM	0.002	0.001	0.001	<0.001	0.001	0.002	0.001
10:00 AM - 11:00 AM	0.001	0.001	0.001	<0.001	0.001	0.002	0.001
11:00 AM - 12:00 PM	0.001	0.003	0.001	0.001	0.001	0.001	0.001
Average	0.001	0.001	0.001	0.001	0.001	0.001	<0.001
1hr - Maximum	0.002	0.003	0.002	0.002	0.002	0.002	0.001
Standard 1hr - Average	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Standard 24 hrs - Average	0.12	0.12	0.12	0.12	0.12	0.12	0.12

Standard : Notification of the National Environment Board No.10, 1995 (B.E.2538), No. 21, 2001 (B.E.2544) and No.24, 2004 (B.E.2547).

Reference Method : US EPA Method Part 53 and 58

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## Analysis / Test Report

**Client :** Rojana Industrial Park Public Co., Ltd.

168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

**P/O :** RJN-BW-012/65

**Project Name :** Chonburi Bowin

**Project Location :**

**Lot ID: 22144012**

Date Received : Dec 28, 2022

Date Reported : Jan 04, 2023

Report Number: 2534968-1

Page 1 of 1

**Sample Description** Air Quality  
**Location** A4 : วัดพันเสด็จใน  
**Parameter** Sulfur Dioxide (ppm)  
**Measurement Date** Dec 19, 2022 - Dec 26, 2022  
**Measurement by** Jaradrawee Sriruksa

Time	22144012-22 Dec 19, 2022	22144012-23 Dec 20, 2022	22144012-24 Dec 21, 2022	22144012-25 Dec 22, 2022	22144012-26 Dec 23, 2022	22144012-27 Dec 24, 2022	22144012-28 Dec 25, 2022
11:00 AM - 12:00 PM	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
12:00 PM - 01:00 PM	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
01:00 PM - 02:00 PM	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
02:00 PM - 03:00 PM	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
03:00 PM - 04:00 PM	<0.001	<0.001	<0.001	<0.001	0.001	<0.001	<0.001
04:00 PM - 05:00 PM	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.001
05:00 PM - 06:00 PM	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
06:00 PM - 07:00 PM	<0.001	<0.001	0.001	<0.001	<0.001	<0.001	<0.001
07:00 PM - 08:00 PM	<0.001	<0.001	0.001	<0.001	<0.001	<0.001	<0.001
08:00 PM - 09:00 PM	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
09:00 PM - 10:00 PM	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
10:00 PM - 11:00 PM	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
11:00 PM - 12:00 AM	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
12:00 AM - 01:00 AM	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
01:00 AM - 02:00 AM	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
02:00 AM - 03:00 AM	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
03:00 AM - 04:00 AM	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
04:00 AM - 05:00 AM	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
05:00 AM - 06:00 AM	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
06:00 AM - 07:00 AM	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
07:00 AM - 08:00 AM	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
08:00 AM - 09:00 AM	<0.001	<0.001	<0.001	<0.001	<0.001	0.001	<0.001
09:00 AM - 10:00 AM	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
10:00 AM - 11:00 AM	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Average	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1hr - Maximum	<0.001	<0.001	0.001	<0.001	0.001	0.001	0.001
Standard 1hr - Average	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Standard 24 hrs - Average	0.12	0.12	0.12	0.12	0.12	0.12	0.12

Standard : Notification of the National Environment Board No.10, 1995 (B.E.2538), No. 21, 2001 (B.E.2544) and No.24, 2004 (B.E.2547).

Reference Method : US EPA Method Part 53 and 58

The above results are valid only for the analyzed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

Approved by

*Saranya C.*

Saranya Chalermthamrong

Scientist (4)

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## Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.

168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

P/O : RJN-BW-012/65

Project Name : Chonburi Bowin

Project Location :

Lot ID : 22144014

Date Received : Dec 28, 2022

Date Reported : Jan 07, 2023

Report Number : 2504676-1

Page 1 of 2

Sample Number 22144014-1 to 7  
Parameter Wind Speed / Wind Direction  
Location A4 : วัดพันเสด็จใน  
Sampling Date Dec 19 - Dec 26, 2022  
Sampling by Jaradrawee Sriruksa

Time	Dec 19 - Dec 20, 2022			Dec 20 - Dec 21, 2022			Dec 21 - Dec 22, 2022			Dec 22 - Dec 23, 2022			Dec 23 - Dec 24, 2022			Dec 24 - Dec 25, 2022			Dec 25 - Dec 26, 2022		
	WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)	
11:00 AM - 12:00 PM	3.9	118.0	ESE	1.6	55.0	NE	1.1	89.0	E	1.1	56.0	NE	1.3	82.0	E	1.3	53.0	NE	0.8	95.0	E
12:00 PM - 01:00 PM	1.6	45.0	NE	0.8	67.0	ENE	1.2	82.0	E	1.2	98.0	E	1.4	81.0	E	1.6	44.0	NE	0.6	115.0	ESE
01:00 PM - 02:00 PM	1.4	50.0	NE	0.6	59.0	ENE	0.9	54.0	NE	1.1	58.0	ENE	1.8	95.0	E	1.4	59.0	ENE	0.4	163.0	SSE
02:00 PM - 03:00 PM	1.3	12.0	NNE	0.7	55.0	NE	0.8	89.0	E	1.3	63.0	ENE	0.0	-	-	1.0	64.0	ENE	0.8	101.0	E
03:00 PM - 04:00 PM	0.9	67.0	ENE	0.6	62.0	ENE	0.9	81.0	E	1.4	66.0	ENE	1.0	58.0	ENE	1.2	71.0	ENE	1.1	96.0	E
04:00 PM - 05:00 PM	0.7	10.0	N	0.4	67.0	ENE	0.4	93.0	E	1.3	68.0	ENE	1.0	76.0	ENE	1.0	66.0	ENE	1.0	95.0	E
05:00 PM - 06:00 PM	0.6	13.0	NNE	1.0	89.0	E	0.6	65.0	ENE	1.2	90.0	E	1.0	62.0	ENE	0.9	69.0	ENE	1.3	91.0	E
06:00 PM - 07:00 PM	0.4	57.0	ENE	0.9	87.0	E	0.3	58.0	ENE	1.1	27.0	NNE	1.1	61.0	ENE	0.6	70.0	ENE	1.0	90.0	E
07:00 PM - 08:00 PM	1.2	63.0	ENE	0.4	35.0	NE	0.8	55.0	NE	1.0	27.0	NNE	1.2	56.0	NE	5.0	70.0	ENE	1.1	90.0	E
08:00 PM - 09:00 PM	0.3	70.0	ENE	1.6	63.0	ENE	0.7	64.0	ENE	1.3	68.0	ENE	0.9	56.0	NE	0.8	69.0	ENE	1.0	90.0	E
09:00 PM - 10:00 PM	0.8	67.0	ENE	1.2	56.0	NE	1.0	69.0	ENE	1.0	95.0	E	0.6	95.0	E	0.3	69.0	ENE	1.2	91.0	E
10:00 PM - 11:00 PM	0.9	68.0	ENE	0.6	55.0	NE	1.2	68.0	ENE	1.0	95.0	E	0.7	95.0	E	0.6	70.0	ENE	0.7	58.0	ENE
11:00 PM - 12:00 AM	0.4	10.0	N	0.4	93.0	E	1.6	96.0	E	0.8	78.0	ENE	0.8	96.0	E	0.4	68.0	ENE	0.6	96.0	E
12:00 AM - 01:00 AM	0.6	35.0	NE	0.8	58.0	ENE	1.2	58.0	ENE	0.9	85.0	E	0.4	95.0	E	0.6	69.0	ENE	0.7	75.0	ENE
01:00 AM - 02:00 AM	0.4	52.0	NE	0.6	65.0	ENE	0.6	30.0	NNE	0.7	88.0	E	0.6	95.0	E	0.8	93.0	E	0.4	76.0	ENE
02:00 AM - 03:00 AM	0.8	26.0	NNE	0.3	118.0	ESE	0.7	38.0	NE	0.6	78.0	ENE	0.5	73.0	ENE	0.2	-	-	0.3	93.0	E
03:00 AM - 04:00 AM	0.3	59.0	ENE	0.7	86.0	E	0.4	85.0	E	0.8	54.0	NE	0.8	67.0	ENE	0.6	73.0	ENE	0.8	92.0	E
04:00 AM - 05:00 AM	0.8	60.0	ENE	0.8	72.0	ENE	1.0	88.0	E	0.6	43.0	NE	0.4	59.0	ENE	0.8	73.0	ENE	1.0	94.0	E
05:00 AM - 06:00 AM	0.9	48.0	NE	0.6	81.0	E	0.7	79.0	E	0.3	56.0	NE	0.7	61.0	ENE	0.7	94.0	E	1.2	93.0	E
06:00 AM - 07:00 AM	1.0	51.0	NE	1.0	55.0	NE	1.1	80.0	E	0.8	46.0	NE	0.3	70.0	ENE	0.3	86.0	E	1.1	122.0	ESE
07:00 AM - 08:00 AM	1.4	66.0	ENE	1.7	75.0	ENE	1.8	71.0	ENE	1.0	52.0	NE	0.8	78.0	ENE	0.6	79.0	E	1.3	131.0	SE
08:00 AM - 09:00 AM	1.3	59.0	ENE	1.5	90.0	E	0.9	72.0	ENE	1.4	82.0	E	0.7	85.0	E	0.7	88.0	E	1.0	84.0	E
09:00 AM - 10:00 AM	1.6	42.0	NE	1.3	96.0	E	1.6	98.0	E	1.3	97.0	E	0.9	70.0	ENE	0.4	85.0	E	0.6	65.0	ENE
10:00 AM - 11:00 AM	1.2	23.0	NNE	1.2	88.0	E	1.0	65.0	ENE	1.6	40.0	NE	1.0	61.0	ENE	0.6	85.0	E	0.7	57.0	ENE

Reference Method : Cup Anemometer & Anodized Aluminium Vane Method

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Approved by

Sarayuth Jittrantont  
Assistant General Manager



## Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.

168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

P/O : RJN-BW-012/65

Project Name : Chonburi Bowin

Project Location :

Lot ID : 22144014

Date Received : Dec 28, 2022

Date Reported : Jan 07, 2023

Report Number : 2504676-1

Page 2 of 2

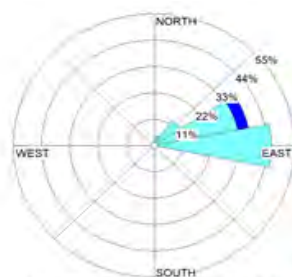
### Wind Rose



Date : Dec 19-20, 2022



Date : Dec 20-21, 2022



Date : Dec 21-22, 2022



Date : Dec 22-23, 2022



Date : Dec 23-24, 2022



Date : Dec 24-25, 2022



Date : Dec 25-26, 2022



Date : Dec 19-26, 2022

WS(m/s)	%
≥ 10.0	0.00
8.0-10.0	0.00
5.5-8.0	0.00
3.3-5.5	1.19
1.7-3.3	1.79
0.3-1.7	95.83
Calms	1.19

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Approved by

Sarayuth Jittranont  
Assistant General Manager

ภาคผนวก ค-2

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ผลการตรวจวัดระดับเสียงทั่วไป



## Analysis / Test Report

TESTING  
No.0042

**Client :** Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

**P/O :** RJN-BW-012/65

**Project Name :** Chonburi Bowin

**Project Location :**

**Lot ID: 22144018**

Date Received : Dec 28, 2022

Date Reported : Jan 03, 2023

Report Number: 2534470-1

Page 1 of 1

**Sample Number** 22144018-1  
**Parameter** Noise (Leq 24 hrs.)  
**Location** N1 : หมู่บ้านบุรพา  
**Measurement Date** Dec 19 - Dec 20, 2022  
**Measurement by** Jaradrawee Sriruksa  
**Sound Level meter** Serial No. 734225

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:00 PM - 01:00 PM	56.5	77.0	52.3
01:00 PM - 02:00 PM	58.1	89.6	54.2
02:00 PM - 03:00 PM	57.0	78.2	54.0
03:00 PM - 04:00 PM	56.5	71.9	53.6
04:00 PM - 05:00 PM	63.4	87.8	53.0
05:00 PM - 06:00 PM	66.8	89.1	52.2
06:00 PM - 07:00 PM	54.1	71.3	51.1
07:00 PM - 08:00 PM	53.5	73.2	51.4
08:00 PM - 09:00 PM	53.5	69.0	51.2
09:00 PM - 10:00 PM	51.3	67.1	49.7
10:00 PM - 11:00 PM	51.7	63.0	50.2
11:00 PM - 12:00 AM	49.2	72.2	48.2
12:00 AM - 01:00 AM	49.0	61.6	48.0
01:00 AM - 02:00 AM	50.0	67.3	48.7
02:00 AM - 03:00 AM	50.5	67.9	49.1
03:00 AM - 04:00 AM	49.9	63.7	48.6
04:00 AM - 05:00 AM	53.8	73.2	48.7
05:00 AM - 06:00 AM	60.7	80.8	49.9
06:00 AM - 07:00 AM	58.4	78.7	52.0
07:00 AM - 08:00 AM	66.2	92.2	54.1
08:00 AM - 09:00 AM	58.1	78.6	54.9
09:00 AM - 10:00 AM	61.7	88.5	55.5
10:00 AM - 11:00 AM	61.5	81.8	57.8
11:00 AM - 12:00 PM	59.2	77.8	55.0

Leq Average 24 hrs. (dB(A)) 59.4  
Lmax (dB(A)) 92.2  
L90 (dB(A)) 51.4  
Ldn (dB(A)) 62.8  
Standard (dB(A)) 70 115

Reference Method : ISO1996-1 and 1996-2

Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป  
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการ  
โรงงาน พ.ศ. 2548

Remark : The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management

*Thanita K.*

Thanita Kulsuriwong  
Scientist (4)

Approved by

*Supot S.*

Supot Salamteh  
Section Head

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## Analysis / Test Report

TESTING  
No.0042

**Client :** Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230  
**P/O :** RJN-BW-012/65  
**Project Name :** Chonburi Bowin  
**Project Location :**

**Lot ID: 22144018**

Date Received : Dec 28, 2022  
Date Reported : Jan 03, 2023  
Report Number: 2534471-1

Page 1 of 1

**Sample Number** 22144018-2  
**Parameter** Noise (Leq 24 hrs.)  
**Location** N1 : หมู่บ้านบุรพา  
**Measurement Date** Dec 20 - Dec 21, 2022  
**Measurement by** Jaradrawee Sriruksa  
**Sound Level meter** Serial No. 734225

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:00 PM - 01:00 PM	57.9	81.1	52.1
01:00 PM - 02:00 PM	58.2	84.1	54.0
02:00 PM - 03:00 PM	56.3	84.5	51.9
03:00 PM - 04:00 PM	54.6	79.9	51.3
04:00 PM - 05:00 PM	56.6	85.4	51.9
05:00 PM - 06:00 PM	55.9	85.9	52.0
06:00 PM - 07:00 PM	53.0	72.3	51.5
07:00 PM - 08:00 PM	54.0	67.1	52.4
08:00 PM - 09:00 PM	53.8	68.2	52.0
09:00 PM - 10:00 PM	51.9	66.3	49.8
10:00 PM - 11:00 PM	52.2	68.1	50.1
11:00 PM - 12:00 AM	50.0	62.9	48.6
12:00 AM - 01:00 AM	50.1	62.9	48.3
01:00 AM - 02:00 AM	49.5	59.4	47.6
02:00 AM - 03:00 AM	48.8	60.5	47.6
03:00 AM - 04:00 AM	52.8	72.3	48.7
04:00 AM - 05:00 AM	55.7	72.8	49.7
05:00 AM - 06:00 AM	55.5	75.4	50.7
06:00 AM - 07:00 AM	64.6	98.4	55.1
07:00 AM - 08:00 AM	58.4	78.7	53.4
08:00 AM - 09:00 AM	58.6	85.4	54.9
09:00 AM - 10:00 AM	62.5	92.2	55.4
10:00 AM - 11:00 AM	61.7	90.3	54.0
11:00 AM - 12:00 PM	61.1	96.9	54.0

Leq Average 24 hrs. (dB(A)) 57.7  
Lmax (dB(A)) 98.4  
L90 (dB(A)) 51.9  
Ldn (dB(A)) 63.5  
Standard (dB(A)) 70 115

Reference Method : ISO1996-1 and 1996-2

Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป  
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548

Remark : The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management

*Thanita K.*

Thanita Kulsuriwong  
Scientist (4)

Approved by

*Supot S.*

Supot Salamteh  
Section Head

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## Analysis / Test Report

TESTING  
No.0042

**Client :** Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

**P/O :** RJN-BW-012/65

**Project Name :** Chonburi Bowin

**Project Location :**

**Lot ID: 22144018**

Date Received : Dec 28, 2022

Date Reported : Jan 03, 2023

Report Number: 2534472-1

Page 1 of 1

**Sample Number** 22144018-3  
**Parameter** Noise (Leq 24 hrs.)  
**Location** N1 : หมู่บ้านบุรพา  
**Measurement Date** Dec 21 - Dec 22, 2022  
**Measurement by** Jaradrawee Sriruksa  
**Sound Level meter** Serial No. 734225

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:00 PM - 01:00 PM	55.1	91.8	51.2
01:00 PM - 02:00 PM	58.2	81.0	52.9
02:00 PM - 03:00 PM	57.8	78.9	52.7
03:00 PM - 04:00 PM	61.0	92.4	52.9
04:00 PM - 05:00 PM	55.3	80.0	51.6
05:00 PM - 06:00 PM	53.4	78.0	50.4
06:00 PM - 07:00 PM	54.9	76.2	52.3
07:00 PM - 08:00 PM	55.4	69.0	53.6
08:00 PM - 09:00 PM	57.8	67.2	55.2
09:00 PM - 10:00 PM	57.8	72.9	55.1
10:00 PM - 11:00 PM	56.2	66.4	53.1
11:00 PM - 12:00 AM	54.8	60.9	52.1
12:00 AM - 01:00 AM	51.7	68.0	49.3
01:00 AM - 02:00 AM	50.4	61.6	48.9
02:00 AM - 03:00 AM	50.0	62.2	48.7
03:00 AM - 04:00 AM	49.4	57.8	48.2
04:00 AM - 05:00 AM	52.8	66.8	48.5
05:00 AM - 06:00 AM	53.7	79.0	49.7
06:00 AM - 07:00 AM	56.6	87.3	52.0
07:00 AM - 08:00 AM	57.2	78.4	53.4
08:00 AM - 09:00 AM	57.5	73.7	53.7
09:00 AM - 10:00 AM	58.9	77.6	54.4
10:00 AM - 11:00 AM	57.4	76.4	53.7
11:00 AM - 12:00 PM	58.9	89.5	52.2

Leq Average 24 hrs. (dB(A)) 56.4  
Lmax (dB(A)) 92.4  
L90 (dB(A)) 52.2  
Ldn (dB(A)) 60.8  
Standard (dB(A)) 70 115

Reference Method : ISO1996-1 and 1996-2

Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป  
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548

Remark : The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management

*Thanita K.*

Thanita Kulsuriwong  
Scientist (4)

Approved by

*Supot S.*

Supot Salamteh  
Section Head

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## Analysis / Test Report

TESTING  
No.0042

**Client :** Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

**P/O :** RJN-BW-012/65

**Project Name :** Chonburi Bowin

**Project Location :**

**Lot ID: 22144018**

Date Received : Dec 28, 2022

Date Reported : Jan 03, 2023

Report Number: 2534473-1

Page 1 of 1

**Sample Number** 22144018-4  
**Parameter** Noise (Leq 24 hrs.)  
**Location** N1 : หมู่บ้านบุรพา  
**Measurement Date** Dec 22 - Dec 23, 2022  
**Measurement by** Jaradrawee Sriruksa  
**Sound Level meter** Serial No. 734225

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:00 PM - 01:00 PM	53.3	90.9	49.3
01:00 PM - 02:00 PM	55.5	87.5	50.8
02:00 PM - 03:00 PM	52.3	71.2	49.6
03:00 PM - 04:00 PM	57.7	75.9	51.4
04:00 PM - 05:00 PM	54.3	71.0	50.3
05:00 PM - 06:00 PM	58.4	95.8	51.4
06:00 PM - 07:00 PM	59.0	73.0	57.3
07:00 PM - 08:00 PM	60.8	81.4	59.1
08:00 PM - 09:00 PM	60.2	72.8	58.6
09:00 PM - 10:00 PM	60.5	68.6	58.8
10:00 PM - 11:00 PM	60.3	64.8	58.3
11:00 PM - 12:00 AM	59.2	69.3	56.5
12:00 AM - 01:00 AM	53.3	62.3	49.0
01:00 AM - 02:00 AM	50.6	66.3	48.1
02:00 AM - 03:00 AM	49.2	59.4	48.0
03:00 AM - 04:00 AM	50.9	63.5	48.4
04:00 AM - 05:00 AM	55.0	69.9	49.5
05:00 AM - 06:00 AM	56.3	73.4	51.3
06:00 AM - 07:00 AM	57.3	84.1	51.9
07:00 AM - 08:00 AM	62.3	89.7	51.6
08:00 AM - 09:00 AM	54.7	81.6	47.4
09:00 AM - 10:00 AM	68.8	104.7	53.8
10:00 AM - 11:00 AM	53.0	72.2	49.1
11:00 AM - 12:00 PM	54.3	74.0	49.8

Leq Average 24 hrs. (dB(A)) 59.3  
Lmax (dB(A)) 104.7  
L90 (dB(A)) 50.8  
Ldn (dB(A)) 63.5  
Standard (dB(A)) 70 115

Reference Method : ISO1996-1 and 1996-2

Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป  
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548

Remark : The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management

*Thanita K.*

Thanita Kulsuriwong  
Scientist (4)

Approved by

*Supot S.*

Supot Salamteh  
Section Head

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## Analysis / Test Report

TESTING  
No.0042

**Client :** Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

**P/O :** RJN-BW-012/65

**Project Name :** Chonburi Bowin

**Project Location :**

**Lot ID: 22144018**

Date Received : Dec 28, 2022

Date Reported : Jan 03, 2023

Report Number: 2534474-1

Page 1 of 1

**Sample Number** 22144018-5  
**Parameter** Noise (Leq 24 hrs.)  
**Location** N1 : หมู่บ้านบุรพา  
**Measurement Date** Dec 23 - Dec 24, 2022  
**Measurement by** Jaradrawee Sriruksa  
**Sound Level meter** Serial No. 734225

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:00 PM - 01:00 PM	49.3	74.3	46.6
01:00 PM - 02:00 PM	54.4	81.5	48.4
02:00 PM - 03:00 PM	54.4	72.3	49.4
03:00 PM - 04:00 PM	54.8	83.5	50.0
04:00 PM - 05:00 PM	54.2	88.6	51.3
05:00 PM - 06:00 PM	55.0	78.0	52.5
06:00 PM - 07:00 PM	55.5	80.0	54.0
07:00 PM - 08:00 PM	55.4	74.2	53.9
08:00 PM - 09:00 PM	54.1	65.0	52.7
09:00 PM - 10:00 PM	53.3	68.7	51.6
10:00 PM - 11:00 PM	52.1	63.1	50.9
11:00 PM - 12:00 AM	51.8	62.7	50.1
12:00 AM - 01:00 AM	52.0	69.3	49.9
01:00 AM - 02:00 AM	51.1	69.2	49.9
02:00 AM - 03:00 AM	51.2	65.7	49.3
03:00 AM - 04:00 AM	52.2	67.1	49.0
04:00 AM - 05:00 AM	53.0	67.1	49.7
05:00 AM - 06:00 AM	53.5	73.2	50.7
06:00 AM - 07:00 AM	56.9	82.0	52.0
07:00 AM - 08:00 AM	62.5	88.4	52.4
08:00 AM - 09:00 AM	63.2	91.4	52.0
09:00 AM - 10:00 AM	57.5	75.7	52.7
10:00 AM - 11:00 AM	56.3	83.8	53.3
11:00 AM - 12:00 PM	56.6	77.3	53.4

Leq Average 24 hrs. (dB(A)) 56.1  
Lmax (dB(A)) 91.4  
L90 (dB(A)) 50.9  
Ldn (dB(A)) 60.4  
Standard (dB(A)) 70 115

Reference Method : ISO1996-1 and 1996-2

Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป  
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548

Remark : The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management

*Thanita K.*

Thanita Kulsuriwong  
Scientist (4)

Approved by

*Supot S.*

Supot Salamteh  
Section Head

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## Analysis / Test Report

TESTING  
No.0042

**Client :** Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

**P/O :** RJN-BW-012/65

**Project Name :** Chonburi Bowin

**Project Location :**

**Lot ID: 22144018**

Date Received : Dec 28, 2022

Date Reported : Jan 03, 2023

Report Number: 2534475-1

Page 1 of 1

**Sample Number** 22144018-6  
**Parameter** Noise (Leq 24 hrs.)  
**Location** N1 : หมู่บ้านบุรพา  
**Measurement Date** Dec 24 - Dec 25, 2022  
**Measurement by** Jaradrawee Sriruksa  
**Sound Level meter** Serial No. 734225

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:00 PM - 01:00 PM	54.3	86.1	50.2
01:00 PM - 02:00 PM	57.0	87.0	49.9
02:00 PM - 03:00 PM	56.7	76.6	51.5
03:00 PM - 04:00 PM	57.2	86.8	51.5
04:00 PM - 05:00 PM	54.8	76.4	50.9
05:00 PM - 06:00 PM	57.1	92.0	51.1
06:00 PM - 07:00 PM	57.5	73.2	55.4
07:00 PM - 08:00 PM	56.9	70.3	54.6
08:00 PM - 09:00 PM	53.3	76.5	51.0
09:00 PM - 10:00 PM	51.7	69.7	49.5
10:00 PM - 11:00 PM	51.2	67.7	49.3
11:00 PM - 12:00 AM	52.3	68.2	50.5
12:00 AM - 01:00 AM	52.8	72.7	50.4
01:00 AM - 02:00 AM	51.3	63.5	50.0
02:00 AM - 03:00 AM	50.8	61.5	49.2
03:00 AM - 04:00 AM	53.3	72.5	48.2
04:00 AM - 05:00 AM	59.3	77.5	49.1
05:00 AM - 06:00 AM	60.1	78.1	49.3
06:00 AM - 07:00 AM	60.9	86.9	50.1
07:00 AM - 08:00 AM	57.3	80.8	50.7
08:00 AM - 09:00 AM	65.0	97.9	51.9
09:00 AM - 10:00 AM	55.6	80.7	51.7
10:00 AM - 11:00 AM	55.7	83.0	52.5
11:00 AM - 12:00 PM	57.5	82.9	51.6

Leq Average 24 hrs. (dB(A)) 57.4  
Lmax (dB(A)) 97.9  
L90 (dB(A)) 50.5  
Ldn (dB(A)) 63.2  
Standard (dB(A)) 70 115

Reference Method : ISO1996-1 and 1996-2

Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป  
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการ  
โรงงาน พ.ศ. 2548

Remark : The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management

*Thanita K.*

Thanita Kulsuriwong  
Scientist (4)

Approved by

*Supot S.*

Supot Salamteh  
Section Head

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## Analysis / Test Report

TESTING  
No.0042

**Client :** Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

**P/O :** RJN-BW-012/65

**Project Name :** Chonburi Bowin

**Project Location :**

**Lot ID: 22144018**

Date Received : Dec 28, 2022

Date Reported : Jan 03, 2023

Report Number: 2534476-1

Page 1 of 1

**Sample Number** 22144018-7  
**Parameter** Noise (Leq 24 hrs.)  
**Location** N1 : หมู่บ้านบุรพา  
**Measurement Date** Dec 25 - Dec 26, 2022  
**Measurement by** Jaradrawee Sriruksa  
**Sound Level meter** Serial No. 734225

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:00 PM - 01:00 PM	50.6	70.1	48.0
01:00 PM - 02:00 PM	52.0	73.2	49.3
02:00 PM - 03:00 PM	58.3	89.1	50.4
03:00 PM - 04:00 PM	55.4	76.2	52.6
04:00 PM - 05:00 PM	58.1	88.2	53.0
05:00 PM - 06:00 PM	53.2	77.8	50.7
06:00 PM - 07:00 PM	56.2	77.8	53.4
07:00 PM - 08:00 PM	53.2	67.0	51.1
08:00 PM - 09:00 PM	53.6	79.6	50.8
09:00 PM - 10:00 PM	52.5	64.1	50.7
10:00 PM - 11:00 PM	54.0	66.1	50.8
11:00 PM - 12:00 AM	51.3	67.1	48.7
12:00 AM - 01:00 AM	50.4	73.9	47.9
01:00 AM - 02:00 AM	49.3	59.5	48.1
02:00 AM - 03:00 AM	48.6	62.6	47.4
03:00 AM - 04:00 AM	48.8	58.9	47.7
04:00 AM - 05:00 AM	57.5	76.5	48.5
05:00 AM - 06:00 AM	60.4	77.5	49.5
06:00 AM - 07:00 AM	60.8	85.4	51.2
07:00 AM - 08:00 AM	63.0	90.1	52.6
08:00 AM - 09:00 AM	66.9	91.0	54.3
09:00 AM - 10:00 AM	57.2	76.4	53.9
10:00 AM - 11:00 AM	59.5	88.3	53.2
11:00 AM - 12:00 PM	57.9	82.7	52.1

Leq Average 24 hrs. (dB(A)) 58.2  
Lmax (dB(A)) 91.0  
L90 (dB(A)) 50.7  
Ldn (dB(A)) 63.0  
Standard (dB(A)) 70 115

Reference Method : ISO1996-1 and 1996-2

Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป  
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548

Remark : The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management

*Thanita K.*

Thanita Kulsuriwong  
Scientist (4)

Approved by

*Supot S.*

Supot Salamteh  
Section Head

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## Analysis / Test Report

TESTING  
No.0042

**Client :** Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230  
**P/O :** RJN-BW-012/65  
**Project Name :** Chonburi Bowin  
**Project Location :**

**Lot ID: 22144018**

Date Received : Dec 28, 2022  
Date Reported : Jan 03, 2023  
Report Number: 2534477-1

Page 1 of 1

**Sample Number** 22144018-8  
**Parameter** Noise (Leq 24 hrs.)  
**Location** N2 : มัสยิดบุรุษอิสลาม  
**Measurement Date** Dec 19 - Dec 20, 2022  
**Measurement by** Jaradrawee Sriruksa  
**Sound Level meter** Serial No. 709746

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:00 PM - 01:00 PM	59.3	87.5	44.9
01:00 PM - 02:00 PM	55.2	83.8	46.1
02:00 PM - 03:00 PM	51.7	77.2	44.8
03:00 PM - 04:00 PM	56.2	77.7	44.4
04:00 PM - 05:00 PM	58.6	83.4	45.8
05:00 PM - 06:00 PM	60.7	90.3	47.4
06:00 PM - 07:00 PM	57.4	78.7	46.0
07:00 PM - 08:00 PM	57.4	89.8	46.0
08:00 PM - 09:00 PM	57.5	83.8	44.8
09:00 PM - 10:00 PM	51.3	78.0	42.8
10:00 PM - 11:00 PM	49.1	70.3	43.0
11:00 PM - 12:00 AM	46.4	69.1	40.6
12:00 AM - 01:00 AM	47.9	76.3	40.2
01:00 AM - 02:00 AM	46.5	70.8	41.3
02:00 AM - 03:00 AM	62.9	94.5	41.2
03:00 AM - 04:00 AM	44.9	67.0	40.7
04:00 AM - 05:00 AM	55.5	78.6	42.1
05:00 AM - 06:00 AM	55.9	72.8	45.1
06:00 AM - 07:00 AM	56.5	81.5	48.2
07:00 AM - 08:00 AM	56.8	80.9	48.5
08:00 AM - 09:00 AM	60.0	82.7	47.3
09:00 AM - 10:00 AM	60.4	87.2	45.6
10:00 AM - 11:00 AM	54.2	78.6	44.6
11:00 AM - 12:00 PM	55.5	76.4	43.7

Leq Average 24 hrs. (dB(A)) 57.0  
Lmax (dB(A)) 94.5  
L90 (dB(A)) 44.8  
Ldn (dB(A)) 62.5  
Standard (dB(A)) 70 115

Reference Method : ISO1996-1 and 1996-2

Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป  
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548

Remark : The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management

*Thanita K.*

Thanita Kulsuriwong  
Scientist (4)

Approved by

*Supot S.*

Supot Salamteh  
Section Head

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## Analysis / Test Report

TESTING  
No.0042

**Client :** Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

**P/O :** RJN-BW-012/65

**Project Name :** Chonburi Bowin

**Project Location :**

**Lot ID: 22144018**

Date Received : Dec 28, 2022

Date Reported : Jan 03, 2023

Report Number: 2534478-1

Page 1 of 1

**Sample Number** 22144018-9  
**Parameter** Noise (Leq 24 hrs.)  
**Location** N2 : มัสยิดบุรุษอิสลาม  
**Measurement Date** Dec 20 - Dec 21, 2022  
**Measurement by** Jaradrawee Sriruksa  
**Sound Level meter** Serial No. 709746

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:00 PM - 01:00 PM	54.6	79.1	41.9
01:00 PM - 02:00 PM	52.0	73.8	41.0
02:00 PM - 03:00 PM	59.0	92.1	41.7
03:00 PM - 04:00 PM	55.2	75.6	42.8
04:00 PM - 05:00 PM	59.5	84.7	46.6
05:00 PM - 06:00 PM	58.0	78.6	46.6
06:00 PM - 07:00 PM	57.3	80.6	45.0
07:00 PM - 08:00 PM	54.8	85.1	45.5
08:00 PM - 09:00 PM	54.2	78.5	44.7
09:00 PM - 10:00 PM	51.9	78.6	42.6
10:00 PM - 11:00 PM	48.4	73.1	42.0
11:00 PM - 12:00 AM	45.8	69.9	40.4
12:00 AM - 01:00 AM	45.9	69.3	40.9
01:00 AM - 02:00 AM	44.5	64.0	41.8
02:00 AM - 03:00 AM	46.5	74.8	40.3
03:00 AM - 04:00 AM	44.9	69.8	41.8
04:00 AM - 05:00 AM	51.5	76.8	41.5
05:00 AM - 06:00 AM	55.3	78.9	43.6
06:00 AM - 07:00 AM	57.0	82.6	48.8
07:00 AM - 08:00 AM	62.1	83.9	49.6
08:00 AM - 09:00 AM	58.0	82.1	50.7
09:00 AM - 10:00 AM	59.3	84.8	46.1
10:00 AM - 11:00 AM	53.4	74.1	45.8
11:00 AM - 12:00 PM	56.5	79.5	44.8

Leq Average 24 hrs. (dB(A)) 55.9  
Lmax (dB(A)) 92.1  
L90 (dB(A)) 42.8  
Ldn (dB(A)) 59.3  
Standard (dB(A)) 70 115

Reference Method : ISO1996-1 and 1996-2

Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป  
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548

Remark : The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management

*Thanita K.*

Thanita Kulsuriwong  
Scientist (4)

Approved by

*Supot S.*

Supot Salamteh  
Section Head

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## Analysis / Test Report

TESTING  
No.0042

**Client :** Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

**P/O :** RJN-BW-012/65

**Project Name :** Chonburi Bowin

**Project Location :**

**Lot ID: 22144018**

Date Received : Dec 28, 2022

Date Reported : Jan 03, 2023

Report Number: 2534479-1

Page 1 of 1

**Sample Number** 22144018-10  
**Parameter** Noise (Leq 24 hrs.)  
**Location** N2 : มัสยิดบุรุษอิสลาม  
**Measurement Date** Dec 21 - Dec 22, 2022  
**Measurement by** Jaradrawee Sriruksa  
**Sound Level meter** Serial No. 709746

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:00 PM - 01:00 PM	57.1	78.8	45.2
01:00 PM - 02:00 PM	53.8	76.0	43.4
02:00 PM - 03:00 PM	52.5	80.0	42.4
03:00 PM - 04:00 PM	57.9	91.4	42.8
04:00 PM - 05:00 PM	53.6	82.6	43.1
05:00 PM - 06:00 PM	57.6	81.0	45.8
06:00 PM - 07:00 PM	55.9	78.3	45.3
07:00 PM - 08:00 PM	53.8	77.1	44.1
08:00 PM - 09:00 PM	54.3	77.6	44.1
09:00 PM - 10:00 PM	51.3	73.8	44.0
10:00 PM - 11:00 PM	49.5	70.4	43.7
11:00 PM - 12:00 AM	46.6	69.0	43.1
12:00 AM - 01:00 AM	45.3	69.6	42.3
01:00 AM - 02:00 AM	44.8	66.6	41.8
02:00 AM - 03:00 AM	52.2	88.3	42.9
03:00 AM - 04:00 AM	44.9	68.8	42.2
04:00 AM - 05:00 AM	47.1	66.9	41.9
05:00 AM - 06:00 AM	56.9	77.5	44.1
06:00 AM - 07:00 AM	56.8	77.9	48.2
07:00 AM - 08:00 AM	56.1	73.8	49.4
08:00 AM - 09:00 AM	57.7	87.2	48.6
09:00 AM - 10:00 AM	61.6	90.2	48.0
10:00 AM - 11:00 AM	54.6	81.2	44.9
11:00 AM - 12:00 PM	53.6	79.3	44.2

Leq Average 24 hrs. (dB(A)) 55.1  
Lmax (dB(A)) 91.4  
L90 (dB(A)) 44.0  
Ldn (dB(A)) 59.3  
Standard (dB(A)) 70 115

Reference Method : ISO1996-1 and 1996-2

Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป  
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548

Remark : The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management

*Thanita K.*

Thanita Kulsuriwong  
Scientist (4)

Approved by

*Supot S.*

Supot Salamteh  
Section Head

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## Analysis / Test Report

TESTING  
No.0042

**Client :** Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

**P/O :** RJN-BW-012/65

**Project Name :** Chonburi Bowin

**Project Location :**

**Lot ID: 22144018**

Date Received : Dec 28, 2022

Date Reported : Jan 03, 2023

Report Number: 2534480-1

Page 1 of 1

**Sample Number** 22144018-11  
**Parameter** Noise (Leq 24 hrs.)  
**Location** N2 : มัสยิดบุรุษอิสลาม  
**Measurement Date** Dec 22 - Dec 23, 2022  
**Measurement by** Jaradrawee Sriruksa  
**Sound Level meter** Serial No. 709746

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:00 PM - 01:00 PM	57.1	76.2	51.8
01:00 PM - 02:00 PM	50.9	73.5	42.5
02:00 PM - 03:00 PM	52.1	71.4	41.8
03:00 PM - 04:00 PM	56.7	77.8	42.0
04:00 PM - 05:00 PM	58.3	82.4	47.1
05:00 PM - 06:00 PM	60.7	86.3	48.7
06:00 PM - 07:00 PM	56.2	78.6	47.3
07:00 PM - 08:00 PM	57.5	79.7	44.5
08:00 PM - 09:00 PM	56.4	79.5	44.3
09:00 PM - 10:00 PM	52.0	77.8	41.7
10:00 PM - 11:00 PM	51.6	77.5	43.0
11:00 PM - 12:00 AM	51.8	77.6	43.3
12:00 AM - 01:00 AM	50.0	74.7	43.9
01:00 AM - 02:00 AM	44.4	69.5	41.6
02:00 AM - 03:00 AM	45.4	69.2	41.9
03:00 AM - 04:00 AM	51.5	82.9	43.5
04:00 AM - 05:00 AM	49.0	69.8	44.1
05:00 AM - 06:00 AM	57.5	78.6	45.5
06:00 AM - 07:00 AM	55.9	79.7	48.1
07:00 AM - 08:00 AM	58.9	84.7	49.7
08:00 AM - 09:00 AM	57.9	88.2	45.8
09:00 AM - 10:00 AM	58.0	88.9	45.4
10:00 AM - 11:00 AM	57.5	88.5	48.2
11:00 AM - 12:00 PM	59.8	83.1	47.8

Leq Average 24 hrs. (dB(A)) 56.1  
Lmax (dB(A)) 88.9  
L90 (dB(A)) 44.3  
Ldn (dB(A)) 60.1  
Standard (dB(A)) 70 115

Reference Method : ISO1996-1 and 1996-2

Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป  
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548

Remark : The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management

*Thanita K.*

Thanita Kulsuriwong  
Scientist (4)

Approved by

*Supot S.*

Supot Salamteh  
Section Head

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## Analysis / Test Report

TESTING  
No.0042

**Client :** Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

**P/O :** RJN-BW-012/65

**Project Name :** Chonburi Bowin

**Project Location :**

**Lot ID: 22144018**

Date Received : Dec 28, 2022

Date Reported : Jan 03, 2023

Report Number: 2534481-1

Page 1 of 1

**Sample Number** 22144018-12  
**Parameter** Noise (Leq 24 hrs.)  
**Location** N2 : มัสยิดบุรุษอิสลาม  
**Measurement Date** Dec 23 - Dec 24, 2022  
**Measurement by** Jaradrawee Sriruksa  
**Sound Level meter** Serial No. 709746

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:00 PM - 01:00 PM	58.9	82.1	50.0
01:00 PM - 02:00 PM	55.9	76.9	45.5
02:00 PM - 03:00 PM	60.6	93.3	46.8
03:00 PM - 04:00 PM	56.4	80.2	43.3
04:00 PM - 05:00 PM	57.4	81.1	45.5
05:00 PM - 06:00 PM	61.2	86.4	48.5
06:00 PM - 07:00 PM	59.1	82.9	48.9
07:00 PM - 08:00 PM	55.0	76.8	46.3
08:00 PM - 09:00 PM	56.4	81.2	45.5
09:00 PM - 10:00 PM	50.3	74.4	43.2
10:00 PM - 11:00 PM	46.9	68.1	42.3
11:00 PM - 12:00 AM	47.7	72.5	43.5
12:00 AM - 01:00 AM	47.2	72.8	42.7
01:00 AM - 02:00 AM	44.5	64.2	41.9
02:00 AM - 03:00 AM	54.8	86.0	40.6
03:00 AM - 04:00 AM	47.9	76.9	42.0
04:00 AM - 05:00 AM	48.3	75.9	42.0
05:00 AM - 06:00 AM	55.9	78.6	43.2
06:00 AM - 07:00 AM	56.4	82.8	47.5
07:00 AM - 08:00 AM	58.5	87.6	49.4
08:00 AM - 09:00 AM	56.5	79.9	47.4
09:00 AM - 10:00 AM	59.1	83.6	46.5
10:00 AM - 11:00 AM	56.8	83.5	45.6
11:00 AM - 12:00 PM	56.9	80.6	45.7

Leq Average 24 hrs. (dB(A)) 56.5  
Lmax (dB(A)) 93.3  
L90 (dB(A)) 45.5  
Ldn (dB(A)) 59.9  
Standard (dB(A)) 70 115

Reference Method : ISO1996-1 and 1996-2

Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป  
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548

Remark : The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management

*Thanita K.*

Thanita Kulsuriwong  
Scientist (4)

Approved by

*Supot S.*

Supot Salamteh  
Section Head

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## Analysis / Test Report

TESTING  
No.0042

**Client :** Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

**P/O :** RJN-BW-012/65

**Project Name :** Chonburi Bowin

**Project Location :**

**Lot ID: 22144018**

Date Received : Dec 28, 2022

Date Reported : Jan 03, 2023

Report Number: 2534482-1

Page 1 of 1

**Sample Number** 22144018-13  
**Parameter** Noise (Leq 24 hrs.)  
**Location** N2 : มัสยิดบุรุษอิสลาม  
**Measurement Date** Dec 24 - Dec 25, 2022  
**Measurement by** Jaradrawee Sriruksa  
**Sound Level meter** Serial No. 709746

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:00 PM - 01:00 PM	57.3	81.8	43.8
01:00 PM - 02:00 PM	54.7	78.5	43.6
02:00 PM - 03:00 PM	54.5	84.0	43.8
03:00 PM - 04:00 PM	55.4	74.4	43.9
04:00 PM - 05:00 PM	55.5	80.3	44.3
05:00 PM - 06:00 PM	59.1	87.5	47.4
06:00 PM - 07:00 PM	54.5	76.7	45.8
07:00 PM - 08:00 PM	56.9	79.6	45.8
08:00 PM - 09:00 PM	59.7	88.4	49.8
09:00 PM - 10:00 PM	51.8	72.2	43.1
10:00 PM - 11:00 PM	52.5	78.0	43.3
11:00 PM - 12:00 AM	47.1	75.3	42.8
12:00 AM - 01:00 AM	47.6	72.2	43.0
01:00 AM - 02:00 AM	46.5	76.6	41.8
02:00 AM - 03:00 AM	46.3	73.6	40.7
03:00 AM - 04:00 AM	52.3	89.9	40.5
04:00 AM - 05:00 AM	50.8	78.3	43.0
05:00 AM - 06:00 AM	55.7	76.6	42.3
06:00 AM - 07:00 AM	57.4	82.6	47.6
07:00 AM - 08:00 AM	57.5	83.8	48.6
08:00 AM - 09:00 AM	56.6	84.6	47.2
09:00 AM - 10:00 AM	56.3	79.9	46.6
10:00 AM - 11:00 AM	64.9	85.7	60.7
11:00 AM - 12:00 PM	60.5	83.5	54.6

Leq Average 24 hrs. (dB(A)) 56.9  
Lmax (dB(A)) 89.9  
L90 (dB(A)) 43.8  
Ldn (dB(A)) 60.4  
Standard (dB(A)) 70 115

Reference Method : ISO1996-1 and 1996-2

Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป  
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548

Remark : The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management

*Thanita K.*

Thanita Kulsuriwong  
Scientist (4)

Approved by

*Supot S.*

Supot Salamteh  
Section Head

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## Analysis / Test Report

TESTING  
No.0042

**Client :** Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

**P/O :** RJN-BW-012/65

**Project Name :** Chonburi Bowin

**Project Location :**

**Lot ID: 22144018**

Date Received : Dec 28, 2022

Date Reported : Jan 03, 2023

Report Number: 2534483-1

Page 1 of 1

**Sample Number** 22144018-14  
**Parameter** Noise (Leq 24 hrs.)  
**Location** N2 : มัสยิดบุรุษอิสลาม  
**Measurement Date** Dec 25 - Dec 26, 2022  
**Measurement by** Jaradrawee Sriruksa  
**Sound Level meter** Serial No. 709746

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:00 PM - 01:00 PM	56.4	80.6	44.6
01:00 PM - 02:00 PM	55.4	79.5	42.9
02:00 PM - 03:00 PM	54.8	79.2	43.3
03:00 PM - 04:00 PM	57.7	77.6	46.0
04:00 PM - 05:00 PM	57.4	79.4	45.6
05:00 PM - 06:00 PM	59.6	82.6	47.9
06:00 PM - 07:00 PM	57.2	81.9	46.3
07:00 PM - 08:00 PM	53.7	78.4	44.6
08:00 PM - 09:00 PM	57.5	82.7	48.4
09:00 PM - 10:00 PM	49.5	75.1	43.2
10:00 PM - 11:00 PM	53.1	86.4	43.4
11:00 PM - 12:00 AM	48.6	80.7	40.9
12:00 AM - 01:00 AM	46.2	74.1	41.2
01:00 AM - 02:00 AM	44.9	70.2	41.3
02:00 AM - 03:00 AM	60.8	92.6	41.1
03:00 AM - 04:00 AM	43.4	68.0	41.1
04:00 AM - 05:00 AM	52.2	81.1	43.2
05:00 AM - 06:00 AM	57.7	76.8	43.9
06:00 AM - 07:00 AM	54.0	80.2	47.3
07:00 AM - 08:00 AM	56.6	83.9	50.1
08:00 AM - 09:00 AM	58.0	90.7	47.7
09:00 AM - 10:00 AM	55.8	80.7	47.0
10:00 AM - 11:00 AM	52.9	79.9	44.7
11:00 AM - 12:00 PM	58.6	83.8	53.9

Leq Average 24 hrs. (dB(A)) 56.0  
Lmax (dB(A)) 92.6  
L90 (dB(A)) 44.6  
Ldn (dB(A)) 61.4

Standard (dB(A))

70

115

Reference Method : ISO1996-1 and 1996-2

Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป  
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548

Remark : The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management

*Thanita K.*

Thanita Kulsuriwong  
Scientist (4)

Approved by

*Supot S.*

Supot Salamteh  
Section Head

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## Analysis / Test Report

TESTING  
No.0042

**Client :** Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

**P/O :** RJN-BW-012/65

**Project Name :** Chonburi Bowin

**Project Location :**

**Lot ID: 22144018**

Date Received : Dec 28, 2022

Date Reported : Jan 03, 2023

Report Number: 2534484-1

Page 1 of 1

**Sample Number** 22144018-15  
**Parameter** Noise (Leq 24 hrs.)  
**Location** N3 : หมู่บ้านไข่มุก 5  
**Measurement Date** Dec 19 - Dec 20, 2022  
**Measurement by** Jaradrawee Sriruksa  
**Sound Level meter** Serial No. 472127

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:00 PM - 01:00 PM	49.0	77.7	41.4
01:00 PM - 02:00 PM	46.3	76.2	40.9
02:00 PM - 03:00 PM	49.9	71.0	40.8
03:00 PM - 04:00 PM	49.8	72.6	40.6
04:00 PM - 05:00 PM	52.1	81.4	40.5
05:00 PM - 06:00 PM	58.4	83.9	42.6
06:00 PM - 07:00 PM	50.8	82.5	46.9
07:00 PM - 08:00 PM	49.7	69.6	46.4
08:00 PM - 09:00 PM	45.9	61.7	44.3
09:00 PM - 10:00 PM	44.7	57.4	43.9
10:00 PM - 11:00 PM	45.4	60.5	44.0
11:00 PM - 12:00 AM	44.4	62.1	43.1
12:00 AM - 01:00 AM	43.5	63.3	42.6
01:00 AM - 02:00 AM	59.1	92.8	43.2
02:00 AM - 03:00 AM	46.1	69.2	42.5
03:00 AM - 04:00 AM	42.6	60.0	41.4
04:00 AM - 05:00 AM	46.7	68.7	42.1
05:00 AM - 06:00 AM	51.8	78.9	42.8
06:00 AM - 07:00 AM	55.8	84.1	43.7
07:00 AM - 08:00 AM	51.4	78.5	44.0
08:00 AM - 09:00 AM	54.1	87.1	46.9
09:00 AM - 10:00 AM	50.1	72.2	43.6
10:00 AM - 11:00 AM	51.9	80.7	43.1
11:00 AM - 12:00 PM	51.9	75.8	41.6

Leq Average 24 hrs. (dB(A)) 52.0  
Lmax (dB(A)) 92.8  
L90 (dB(A)) 42.8  
Ldn (dB(A)) 58.7  
Standard (dB(A)) 70 115

Reference Method : ISO1996-1 and 1996-2

Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป  
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548

Remark : The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management

*Thanita K.*

Thanita Kulsuriwong  
Scientist (4)

Approved by

*Supot S.*

Supot Salamteh  
Section Head

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## Analysis / Test Report

TESTING  
No.0042

**Client :** Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

**P/O :** RJN-BW-012/65

**Project Name :** Chonburi Bowin

**Project Location :**

**Lot ID: 22144018**

Date Received : Dec 28, 2022

Date Reported : Jan 03, 2023

Report Number: 2534485-1

Page 1 of 1

**Sample Number** 22144018-16  
**Parameter** Noise (Leq 24 hrs.)  
**Location** N3 : หมู่บ้านไข่มุก 5  
**Measurement Date** Dec 20 - Dec 21, 2022  
**Measurement by** Jaradrawee Sriruksa  
**Sound Level meter** Serial No. 472127

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:00 PM - 01:00 PM	47.1	71.3	41.9
01:00 PM - 02:00 PM	45.4	73.3	38.2
02:00 PM - 03:00 PM	55.3	79.9	38.1
03:00 PM - 04:00 PM	48.7	87.0	38.0
04:00 PM - 05:00 PM	54.0	85.4	40.9
05:00 PM - 06:00 PM	52.6	78.9	43.8
06:00 PM - 07:00 PM	52.2	72.0	49.0
07:00 PM - 08:00 PM	52.0	71.9	48.0
08:00 PM - 09:00 PM	49.8	75.6	46.8
09:00 PM - 10:00 PM	47.7	63.4	45.8
10:00 PM - 11:00 PM	45.7	72.4	44.6
11:00 PM - 12:00 AM	46.4	71.0	44.8
12:00 AM - 01:00 AM	45.2	66.6	43.5
01:00 AM - 02:00 AM	65.0	93.1	43.2
02:00 AM - 03:00 AM	48.2	73.9	42.7
03:00 AM - 04:00 AM	47.7	79.6	42.8
04:00 AM - 05:00 AM	49.3	72.8	43.4
05:00 AM - 06:00 AM	52.1	74.1	43.7
06:00 AM - 07:00 AM	50.5	76.3	44.7
07:00 AM - 08:00 AM	50.4	76.3	45.2
08:00 AM - 09:00 AM	52.3	82.2	43.8
09:00 AM - 10:00 AM	55.7	87.3	43.3
10:00 AM - 11:00 AM	52.8	74.4	41.8
11:00 AM - 12:00 PM	47.3	67.3	39.9

Leq Average 24 hrs. (dB(A)) 54.0  
Lmax (dB(A)) 93.1  
L90 (dB(A)) 43.4  
Ldn (dB(A)) 62.2  
Standard (dB(A)) 70 115

Reference Method : ISO1996-1 and 1996-2

Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป  
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548

Remark : The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management

*Thanita K.*

Thanita Kulsuriwong  
Scientist (4)

Approved by

*Supot S.*

Supot Salamteh  
Section Head

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## Analysis / Test Report

TESTING  
No.0042

**Client :** Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

**P/O :** RJN-BW-012/65

**Project Name :** Chonburi Bowin

**Project Location :**

**Lot ID: 22144018**

Date Received : Dec 28, 2022

Date Reported : Jan 03, 2023

Report Number: 2534486-1

Page 1 of 1

**Sample Number** 22144018-17  
**Parameter** Noise (Leq 24 hrs.)  
**Location** N3 : หมู่บ้านไข่มุก 5  
**Measurement Date** Dec 21 - Dec 22, 2022  
**Measurement by** Jaradrawee Sriruksa  
**Sound Level meter** Serial No. 472127

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:00 PM - 01:00 PM	48.9	72.9	40.5
01:00 PM - 02:00 PM	46.6	75.7	40.2
02:00 PM - 03:00 PM	61.0	91.6	40.6
03:00 PM - 04:00 PM	47.1	70.8	39.7
04:00 PM - 05:00 PM	51.3	81.9	40.8
05:00 PM - 06:00 PM	58.0	81.3	42.9
06:00 PM - 07:00 PM	51.8	71.7	49.8
07:00 PM - 08:00 PM	52.3	80.4	48.8
08:00 PM - 09:00 PM	56.0	76.8	47.9
09:00 PM - 10:00 PM	48.3	78.5	46.9
10:00 PM - 11:00 PM	46.4	59.0	45.6
11:00 PM - 12:00 AM	46.1	66.5	45.1
12:00 AM - 01:00 AM	45.2	63.1	43.9
01:00 AM - 02:00 AM	64.7	93.4	50.3
02:00 AM - 03:00 AM	45.5	62.3	44.7
03:00 AM - 04:00 AM	46.3	53.0	45.5
04:00 AM - 05:00 AM	49.5	72.4	45.8
05:00 AM - 06:00 AM	51.9	73.6	46.3
06:00 AM - 07:00 AM	50.9	75.7	45.7
07:00 AM - 08:00 AM	52.4	75.7	45.3
08:00 AM - 09:00 AM	50.7	73.0	43.7
09:00 AM - 10:00 AM	54.9	81.8	44.1
10:00 AM - 11:00 AM	49.7	68.9	42.8
11:00 AM - 12:00 PM	55.0	82.3	41.5

Leq Average 24 hrs. (dB(A)) 55.0  
Lmax (dB(A)) 93.4  
L90 (dB(A)) 44.7  
Ldn (dB(A)) 62.1  
Standard (dB(A)) 70 115

Reference Method : ISO1996-1 and 1996-2

Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป  
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548

Remark : The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management

*Thanita K.*

Thanita Kulsuriwong  
Scientist (4)

Approved by

*Supot S.*

Supot Salamteh  
Section Head

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## Analysis / Test Report

TESTING  
No.0042

**Client :** Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

**P/O :** RJN-BW-012/65

**Project Name :** Chonburi Bowin

**Project Location :**

**Lot ID: 22144018**

Date Received : Dec 28, 2022

Date Reported : Jan 03, 2023

Report Number: 2534487-1

Page 1 of 1

**Sample Number** 22144018-18  
**Parameter** Noise (Leq 24 hrs.)  
**Location** N3 : หมู่บ้านไข่มุก 5  
**Measurement Date** Dec 22 - Dec 23, 2022  
**Measurement by** Jaradrawee Sriruksa  
**Sound Level meter** Serial No. 472127

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:00 PM - 01:00 PM	52.0	79.0	41.3
01:00 PM - 02:00 PM	59.6	91.6	39.7
02:00 PM - 03:00 PM	50.1	83.2	36.0
03:00 PM - 04:00 PM	46.3	72.7	36.5
04:00 PM - 05:00 PM	50.2	74.9	39.2
05:00 PM - 06:00 PM	55.8	79.7	43.4
06:00 PM - 07:00 PM	52.2	75.6	50.5
07:00 PM - 08:00 PM	52.2	79.8	50.0
08:00 PM - 09:00 PM	55.8	81.5	48.8
09:00 PM - 10:00 PM	48.5	64.6	47.8
10:00 PM - 11:00 PM	47.3	63.4	46.5
11:00 PM - 12:00 AM	47.2	66.9	45.7
12:00 AM - 01:00 AM	46.8	63.5	45.7
01:00 AM - 02:00 AM	60.4	84.6	45.0
02:00 AM - 03:00 AM	61.0	86.4	50.7
03:00 AM - 04:00 AM	47.3	65.8	46.1
04:00 AM - 05:00 AM	50.5	69.3	45.8
05:00 AM - 06:00 AM	52.5	74.8	44.7
06:00 AM - 07:00 AM	54.1	76.6	45.6
07:00 AM - 08:00 AM	50.9	74.7	43.7
08:00 AM - 09:00 AM	50.5	78.7	40.5
09:00 AM - 10:00 AM	54.3	81.6	39.8
10:00 AM - 11:00 AM	49.3	74.7	39.8
11:00 AM - 12:00 PM	46.1	76.8	38.2

Leq Average 24 hrs. (dB(A)) 54.1  
Lmax (dB(A)) 91.6  
L90 (dB(A)) 44.7  
Ldn (dB(A)) 61.5  
Standard (dB(A)) 70 115

Reference Method : ISO1996-1 and 1996-2

Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป  
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548

Remark : The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management

*Thanita K.*

Thanita Kulsuriwong  
Scientist (4)

Approved by

*Supot S.*

Supot Salamteh  
Section Head

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## Analysis / Test Report

TESTING  
No.0042

**Client :** Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

**P/O :** RJN-BW-012/65

**Project Name :** Chonburi Bowin

**Project Location :**

**Lot ID: 22144018**

Date Received : Dec 28, 2022

Date Reported : Jan 03, 2023

Report Number: 2534488-1

Page 1 of 1

**Sample Number** 22144018-19  
**Parameter** Noise (Leq 24 hrs.)  
**Location** N3 : หมู่บ้านไข่มุก 5  
**Measurement Date** Dec 23 - Dec 24, 2022  
**Measurement by** Jaradrawee Sriruksa  
**Sound Level meter** Serial No. 472127

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:00 PM - 01:00 PM	52.2	80.6	37.1
01:00 PM - 02:00 PM	46.7	70.1	36.5
02:00 PM - 03:00 PM	58.7	85.2	37.9
03:00 PM - 04:00 PM	47.3	68.7	37.6
04:00 PM - 05:00 PM	52.0	76.9	41.4
05:00 PM - 06:00 PM	50.9	77.9	42.3
06:00 PM - 07:00 PM	52.5	77.9	50.2
07:00 PM - 08:00 PM	50.9	71.6	48.7
08:00 PM - 09:00 PM	48.4	66.3	47.2
09:00 PM - 10:00 PM	60.2	81.9	47.2
10:00 PM - 11:00 PM	53.4	78.9	45.7
11:00 PM - 12:00 AM	46.5	66.1	45.3
12:00 AM - 01:00 AM	47.4	70.2	45.2
01:00 AM - 02:00 AM	61.7	86.4	45.4
02:00 AM - 03:00 AM	46.1	54.5	45.2
03:00 AM - 04:00 AM	46.0	54.9	45.0
04:00 AM - 05:00 AM	46.7	67.3	44.4
05:00 AM - 06:00 AM	52.8	76.6	44.4
06:00 AM - 07:00 AM	59.9	91.4	44.6
07:00 AM - 08:00 AM	52.2	83.2	43.8
08:00 AM - 09:00 AM	50.2	72.5	42.6
09:00 AM - 10:00 AM	53.4	80.6	43.2
10:00 AM - 11:00 AM	49.9	75.3	43.2
11:00 AM - 12:00 PM	51.1	75.5	43.2

Leq Average 24 hrs. (dB(A)) 54.3  
Lmax (dB(A)) 91.4  
L90 (dB(A)) 44.4  
Ldn (dB(A)) 61.5  
Standard (dB(A)) 70 115

Reference Method : ISO1996-1 and 1996-2

Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป  
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548

Remark : The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management

*Thanita K.*

Thanita Kulsuriwong  
Scientist (4)

Approved by

*Supot S.*

Supot Salamteh  
Section Head

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## Analysis / Test Report

TESTING  
No.0042

**Client :** Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

**P/O :** RJN-BW-012/65

**Project Name :** Chonburi Bowin

**Project Location :**

**Lot ID: 22144018**

Date Received : Dec 28, 2022

Date Reported : Jan 03, 2023

Report Number: 2534489-1

Page 1 of 1

**Sample Number** 22144018-20  
**Parameter** Noise (Leq 24 hrs.)  
**Location** N3 : หมู่บ้านไข่มุก 5  
**Measurement Date** Dec 24 - Dec 25, 2022  
**Measurement by** Jaradrawee Sriruksa  
**Sound Level meter** Serial No. 472127

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:00 PM - 01:00 PM	46.0	74.5	41.4
01:00 PM - 02:00 PM	49.9	69.4	40.0
02:00 PM - 03:00 PM	47.9	71.8	39.4
03:00 PM - 04:00 PM	51.7	86.9	40.8
04:00 PM - 05:00 PM	49.3	73.4	41.5
05:00 PM - 06:00 PM	55.6	80.7	41.7
06:00 PM - 07:00 PM	50.8	75.3	47.7
07:00 PM - 08:00 PM	49.0	77.6	46.8
08:00 PM - 09:00 PM	59.0	81.8	46.3
09:00 PM - 10:00 PM	55.9	81.0	46.0
10:00 PM - 11:00 PM	49.1	75.8	45.1
11:00 PM - 12:00 AM	45.9	61.5	44.8
12:00 AM - 01:00 AM	48.8	71.6	44.7
01:00 AM - 02:00 AM	61.6	86.4	43.8
02:00 AM - 03:00 AM	61.8	88.4	52.8
03:00 AM - 04:00 AM	46.9	71.5	44.9
04:00 AM - 05:00 AM	48.8	70.4	44.3
05:00 AM - 06:00 AM	51.8	79.0	44.3
06:00 AM - 07:00 AM	55.0	86.6	42.5
07:00 AM - 08:00 AM	51.5	79.2	42.9
08:00 AM - 09:00 AM	55.3	90.3	44.5
09:00 AM - 10:00 AM	50.3	80.5	43.4
10:00 AM - 11:00 AM	49.1	74.4	41.2
11:00 AM - 12:00 PM	48.9	68.8	40.7

Leq Average 24 hrs. (dB(A)) 54.4  
Lmax (dB(A)) 90.3  
L90 (dB(A)) 43.8  
Ldn (dB(A)) 62.3  
Standard (dB(A)) 70 115

Reference Method : ISO1996-1 and 1996-2

Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป  
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548

Remark : The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management

*Thanita K.*

Thanita Kulsuriwong  
Scientist (4)

Approved by

*Supot S.*

Supot Salamteh  
Section Head

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## Analysis / Test Report

TESTING  
No.0042

**Client :** Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

**P/O :** RJN-BW-012/65

**Project Name :** Chonburi Bowin

**Project Location :**

**Lot ID: 22144018**

Date Received : Dec 28, 2022

Date Reported : Jan 03, 2023

Report Number: 2534490-1

Page 1 of 1

**Sample Number** 22144018-21  
**Parameter** Noise (Leq 24 hrs.)  
**Location** N3 : หมู่บ้านไข่มุก 5  
**Measurement Date** Dec 25 - Dec 26, 2022  
**Measurement by** Jaradrawee Sriruksa  
**Sound Level meter** Serial No. 472127

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:00 PM - 01:00 PM	47.3	74.0	39.7
01:00 PM - 02:00 PM	54.4	82.7	37.0
02:00 PM - 03:00 PM	52.0	82.1	38.8
03:00 PM - 04:00 PM	50.5	79.4	39.5
04:00 PM - 05:00 PM	56.6	83.0	41.2
05:00 PM - 06:00 PM	52.5	81.9	42.9
06:00 PM - 07:00 PM	53.9	77.4	48.6
07:00 PM - 08:00 PM	50.0	69.6	48.0
08:00 PM - 09:00 PM	53.4	77.3	47.2
09:00 PM - 10:00 PM	47.7	81.0	45.1
10:00 PM - 11:00 PM	45.8	63.7	44.6
11:00 PM - 12:00 AM	45.9	79.1	44.3
12:00 AM - 01:00 AM	47.7	71.7	43.4
01:00 AM - 02:00 AM	65.1	94.2	53.2
02:00 AM - 03:00 AM	44.7	59.0	43.7
03:00 AM - 04:00 AM	45.2	67.2	43.4
04:00 AM - 05:00 AM	50.7	73.9	43.9
05:00 AM - 06:00 AM	52.2	73.3	44.0
06:00 AM - 07:00 AM	56.1	80.1	43.9
07:00 AM - 08:00 AM	51.5	70.1	43.2
08:00 AM - 09:00 AM	52.6	75.5	43.2
09:00 AM - 10:00 AM	64.5	95.4	56.3
10:00 AM - 11:00 AM	66.5	96.2	57.7
11:00 AM - 12:00 PM	49.7	69.9	41.9

Leq Average 24 hrs. (dB(A)) 57.6  
Lmax (dB(A)) 96.2  
L90 (dB(A)) 43.7  
Ldn (dB(A)) 63.2  
Standard (dB(A)) 70 115

Reference Method : ISO1996-1 and 1996-2

Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป  
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548

Remark : The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management

*Thanita K.*

Thanita Kulsuriwong  
Scientist (4)

Approved by

*Supot S.*

Supot Salamteh  
Section Head

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## Analysis / Test Report

TESTING  
No.0042

**Client :** Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

**P/O :** RJN-BW-012/65

**Project Name :** Chonburi Bowin

**Project Location :**

**Lot ID: 22144018**

Date Received : Dec 28, 2022

Date Reported : Jan 03, 2023

Report Number: 2534491-1

Page 1 of 1

**Sample Number** 22144018-22  
**Parameter** Noise (Leq 24 hrs.)  
**Location** N4 : ที่พักอาศัยบริเวณหมู่ 5 บ้านสุรศักดิ์  
**Measurement Date** Dec 19 - Dec 20, 2022  
**Measurement by** Jaradrawee Sriruksa  
**Sound Level meter** Serial No. 597168

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:00 PM - 01:00 PM	59.3	79.9	50.9
01:00 PM - 02:00 PM	60.2	81.9	51.0
02:00 PM - 03:00 PM	59.6	85.1	49.3
03:00 PM - 04:00 PM	58.3	79.7	49.4
04:00 PM - 05:00 PM	58.3	82.9	48.9
05:00 PM - 06:00 PM	64.1	92.8	48.1
06:00 PM - 07:00 PM	57.8	86.7	47.5
07:00 PM - 08:00 PM	56.1	82.4	45.9
08:00 PM - 09:00 PM	59.7	88.7	44.7
09:00 PM - 10:00 PM	54.6	78.7	45.5
10:00 PM - 11:00 PM	55.2	72.3	48.4
11:00 PM - 12:00 AM	55.3	80.7	44.2
12:00 AM - 01:00 AM	53.6	76.5	44.7
01:00 AM - 02:00 AM	53.9	76.1	47.3
02:00 AM - 03:00 AM	53.2	69.9	46.6
03:00 AM - 04:00 AM	54.3	78.6	44.6
04:00 AM - 05:00 AM	55.9	82.6	45.0
05:00 AM - 06:00 AM	57.2	75.1	48.9
06:00 AM - 07:00 AM	59.8	78.7	52.6
07:00 AM - 08:00 AM	59.0	77.5	51.0
08:00 AM - 09:00 AM	59.6	76.5	51.3
09:00 AM - 10:00 AM	60.6	79.8	50.9
10:00 AM - 11:00 AM	59.5	77.0	50.1
11:00 AM - 12:00 PM	59.6	86.3	49.6

Leq Average 24 hrs. (dB(A)) 58.5  
Lmax (dB(A)) 92.8  
L90 (dB(A)) 48.4  
Ldn (dB(A)) 63.1  
Standard (dB(A)) 70 115

Reference Method : ISO1996-1 and 1996-2

Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป  
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548

Remark : The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management

*Thanita K.*

Thanita Kulsuriwong  
Scientist (4)

Approved by

*Supot S.*

Supot Salamteh  
Section Head

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## Analysis / Test Report

TESTING  
No.0042

**Client :** Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230  
**P/O :** RJN-BW-012/65  
**Project Name :** Chonburi Bowin  
**Project Location :**

**Lot ID: 22144018**

Date Received : Dec 28, 2022  
Date Reported : Jan 03, 2023  
Report Number: 2534492-1

Page 1 of 1

**Sample Number** 22144018-23  
**Parameter** Noise (Leq 24 hrs.)  
**Location** N4 : ที่พักอาศัยบริเวณหมู่ 5 บ้านสุรศักดิ์  
**Measurement Date** Dec 20 - Dec 21, 2022  
**Measurement by** Jaradrawee Sriruksa  
**Sound Level meter** Serial No. 597168

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:00 PM - 01:00 PM	58.4	77.2	48.6
01:00 PM - 02:00 PM	60.7	84.1	47.2
02:00 PM - 03:00 PM	59.3	80.6	45.9
03:00 PM - 04:00 PM	59.0	80.7	47.6
04:00 PM - 05:00 PM	59.7	83.7	47.8
05:00 PM - 06:00 PM	56.7	77.2	48.1
06:00 PM - 07:00 PM	57.8	79.3	48.8
07:00 PM - 08:00 PM	56.4	80.1	48.4
08:00 PM - 09:00 PM	56.1	82.5	46.9
09:00 PM - 10:00 PM	57.2	86.3	46.4
10:00 PM - 11:00 PM	55.0	78.1	45.8
11:00 PM - 12:00 AM	54.7	81.1	44.7
12:00 AM - 01:00 AM	51.7	72.8	44.9
01:00 AM - 02:00 AM	52.7	71.0	44.9
02:00 AM - 03:00 AM	52.3	71.1	44.8
03:00 AM - 04:00 AM	55.1	78.2	45.1
04:00 AM - 05:00 AM	56.0	75.5	46.2
05:00 AM - 06:00 AM	58.1	74.4	50.3
06:00 AM - 07:00 AM	59.9	75.6	52.8
07:00 AM - 08:00 AM	59.6	76.8	52.3
08:00 AM - 09:00 AM	61.8	88.1	51.1
09:00 AM - 10:00 AM	61.5	86.9	49.9
10:00 AM - 11:00 AM	59.6	80.6	49.8
11:00 AM - 12:00 PM	59.9	82.3	49.8

Leq Average 24 hrs. (dB(A)) 58.3  
Lmax (dB(A)) 88.1  
L90 (dB(A)) 47.6  
Ldn (dB(A)) 63.0  
Standard (dB(A)) 70 115

Reference Method : ISO1996-1 and 1996-2

Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป  
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548

Remark : The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management

*Thanita K.*

Thanita Kulsuriwong  
Scientist (4)

Approved by

*Supot S.*

Supot Salamteh  
Section Head

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## Analysis / Test Report

TESTING  
No.0042

**Client :** Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

**P/O :** RJN-BW-012/65

**Project Name :** Chonburi Bowin

**Project Location :**

**Lot ID: 22144018**

Date Received : Dec 28, 2022

Date Reported : Jan 03, 2023

Report Number: 2534493-1

Page 1 of 1

**Sample Number** 22144018-24  
**Parameter** Noise (Leq 24 hrs.)  
**Location** N4 : ที่พักอาศัยบริเวณหมู่ 5 บ้านสุรศักดิ์  
**Measurement Date** Dec 21 - Dec 22, 2022  
**Measurement by** Jaradrawee Sriruksa  
**Sound Level meter** Serial No. 597168

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:00 PM - 01:00 PM	58.7	81.3	49.0
01:00 PM - 02:00 PM	59.4	79.7	48.1
02:00 PM - 03:00 PM	61.1	86.8	48.4
03:00 PM - 04:00 PM	60.0	84.3	48.1
04:00 PM - 05:00 PM	59.2	82.7	47.5
05:00 PM - 06:00 PM	58.0	79.4	48.5
06:00 PM - 07:00 PM	57.6	83.3	50.5
07:00 PM - 08:00 PM	57.8	82.4	49.9
08:00 PM - 09:00 PM	59.9	88.5	47.5
09:00 PM - 10:00 PM	55.8	78.5	47.4
10:00 PM - 11:00 PM	52.6	71.9	45.5
11:00 PM - 12:00 AM	52.3	72.2	45.0
12:00 AM - 01:00 AM	51.3	68.9	44.6
01:00 AM - 02:00 AM	53.0	74.5	45.8
02:00 AM - 03:00 AM	51.7	76.8	44.4
03:00 AM - 04:00 AM	53.0	71.5	45.6
04:00 AM - 05:00 AM	55.1	75.5	46.4
05:00 AM - 06:00 AM	58.7	83.1	49.5
06:00 AM - 07:00 AM	59.9	77.6	53.0
07:00 AM - 08:00 AM	61.1	81.4	52.7
08:00 AM - 09:00 AM	60.2	79.4	51.4
09:00 AM - 10:00 AM	59.9	78.0	51.5
10:00 AM - 11:00 AM	60.2	84.3	50.9
11:00 AM - 12:00 PM	59.4	80.5	48.5

Leq Average 24 hrs. (dB(A)) 58.3  
Lmax (dB(A)) 88.5  
L90 (dB(A)) 48.1  
Ldn (dB(A)) 62.6  
Standard (dB(A)) 70 115

Reference Method : ISO1996-1 and 1996-2

Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป  
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548

Remark : The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management

*Thanita K.*

Thanita Kulsuriwong  
Scientist (4)

Approved by

*Supot S.*

Supot Salamteh  
Section Head

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## Analysis / Test Report

TESTING  
No.0042

**Client :** Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

**P/O :** RJN-BW-012/65

**Project Name :** Chonburi Bowin

**Project Location :**

**Lot ID: 22144018**

Date Received : Dec 28, 2022

Date Reported : Jan 03, 2023

Report Number: 2534494-1

Page 1 of 1

**Sample Number** 22144018-25  
**Parameter** Noise (Leq 24 hrs.)  
**Location** N4 : ที่พักอาศัยบริเวณหมู่ 5 บ้านสุรศักดิ์  
**Measurement Date** Dec 22 - Dec 23, 2022  
**Measurement by** Jaradrawee Sriruksa  
**Sound Level meter** Serial No. 597168

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:00 PM - 01:00 PM	59.0	84.7	46.9
01:00 PM - 02:00 PM	58.9	78.3	47.6
02:00 PM - 03:00 PM	58.6	78.5	45.9
03:00 PM - 04:00 PM	60.7	89.4	45.6
04:00 PM - 05:00 PM	58.3	80.4	47.4
05:00 PM - 06:00 PM	57.6	80.4	48.5
06:00 PM - 07:00 PM	57.7	81.5	49.8
07:00 PM - 08:00 PM	57.2	77.8	49.0
08:00 PM - 09:00 PM	56.0	78.8	47.5
09:00 PM - 10:00 PM	54.8	72.0	46.1
10:00 PM - 11:00 PM	53.3	73.6	45.2
11:00 PM - 12:00 AM	53.5	74.7	44.7
12:00 AM - 01:00 AM	52.6	78.9	44.8
01:00 AM - 02:00 AM	53.4	87.9	44.7
02:00 AM - 03:00 AM	53.3	75.7	44.3
03:00 AM - 04:00 AM	54.5	75.4	44.8
04:00 AM - 05:00 AM	56.2	77.4	47.0
05:00 AM - 06:00 AM	58.4	77.7	48.6
06:00 AM - 07:00 AM	60.0	80.1	52.4
07:00 AM - 08:00 AM	60.1	82.7	50.6
08:00 AM - 09:00 AM	59.9	85.2	49.3
09:00 AM - 10:00 AM	60.3	86.9	48.8
10:00 AM - 11:00 AM	59.9	85.5	47.4
11:00 AM - 12:00 PM	59.6	81.8	47.4

Leq Average 24 hrs. (dB(A)) 57.9  
Lmax (dB(A)) 89.4  
L90 (dB(A)) 47.4  
Ldn (dB(A)) 62.8  
Standard (dB(A)) 70 115

Reference Method : ISO1996-1 and 1996-2

Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป  
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548

Remark : The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management

*Thanita K.*

Thanita Kulsuriwong  
Scientist (4)

Approved by

*Supot S.*

Supot Salamteh  
Section Head

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## Analysis / Test Report

TESTING  
No.0042

**Client :** Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

**P/O :** RJN-BW-012/65

**Project Name :** Chonburi Bowin

**Project Location :**

**Lot ID: 22144018**

Date Received : Dec 28, 2022

Date Reported : Jan 03, 2023

Report Number: 2534495-1

Page 1 of 1

**Sample Number** 22144018-26  
**Parameter** Noise (Leq 24 hrs.)  
**Location** N4 : ที่พักอาศัยบริเวณหมู่ 5 บ้านสุรศักดิ์  
**Measurement Date** Dec 23 - Dec 24, 2022  
**Measurement by** Jaradrawee Sriruksa  
**Sound Level meter** Serial No. 597168

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:00 PM - 01:00 PM	60.4	82.1	46.1
01:00 PM - 02:00 PM	57.9	79.3	46.8
02:00 PM - 03:00 PM	58.8	80.6	48.3
03:00 PM - 04:00 PM	59.5	80.8	47.8
04:00 PM - 05:00 PM	58.8	81.4	49.4
05:00 PM - 06:00 PM	58.3	81.7	49.4
06:00 PM - 07:00 PM	56.8	77.0	49.8
07:00 PM - 08:00 PM	58.3	84.8	48.8
08:00 PM - 09:00 PM	55.7	77.0	47.4
09:00 PM - 10:00 PM	56.2	79.4	46.8
10:00 PM - 11:00 PM	55.2	82.0	47.1
11:00 PM - 12:00 AM	55.1	79.3	45.1
12:00 AM - 01:00 AM	52.5	78.6	44.8
01:00 AM - 02:00 AM	52.6	81.4	44.9
02:00 AM - 03:00 AM	52.1	71.1	44.3
03:00 AM - 04:00 AM	52.8	71.9	44.6
04:00 AM - 05:00 AM	55.4	80.9	45.5
05:00 AM - 06:00 AM	56.2	73.4	48.0
06:00 AM - 07:00 AM	59.3	77.5	51.5
07:00 AM - 08:00 AM	59.1	80.4	49.4
08:00 AM - 09:00 AM	59.0	83.3	48.4
09:00 AM - 10:00 AM	59.2	79.3	51.0
10:00 AM - 11:00 AM	58.6	81.6	49.8
11:00 AM - 12:00 PM	59.5	84.3	49.2

Leq Average 24 hrs. (dB(A)) 57.6  
Lmax (dB(A)) 84.8  
L90 (dB(A)) 47.8  
Ldn (dB(A)) 62.3  
Standard (dB(A)) 70 115

Reference Method : ISO1996-1 and 1996-2

Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป  
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548

Remark : The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management

*Thanita K.*

Thanita Kulsuriwong  
Scientist (4)

Approved by

*Supot S.*

Supot Salamteh  
Section Head

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## Analysis / Test Report

TESTING  
No.0042

**Client :** Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

**P/O :** RJN-BW-012/65

**Project Name :** Chonburi Bowin

**Project Location :**

**Lot ID: 22144018**

Date Received : Dec 28, 2022

Date Reported : Jan 03, 2023

Report Number: 2534496-1

Page 1 of 1

**Sample Number** 22144018-27  
**Parameter** Noise (Leq 24 hrs.)  
**Location** N4 : ที่พักอาศัยบริเวณหมู่ 5 บ้านสุรศักดิ์  
**Measurement Date** Dec 24 - Dec 25, 2022  
**Measurement by** Jaradrawee Sriruksa  
**Sound Level meter** Serial No. 597168

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:00 PM - 01:00 PM	57.7	80.5	48.6
01:00 PM - 02:00 PM	57.5	77.2	47.9
02:00 PM - 03:00 PM	56.8	77.4	47.3
03:00 PM - 04:00 PM	57.0	75.2	47.9
04:00 PM - 05:00 PM	58.5	81.1	48.6
05:00 PM - 06:00 PM	57.2	80.5	47.7
06:00 PM - 07:00 PM	56.3	78.7	48.9
07:00 PM - 08:00 PM	54.9	73.9	47.6
08:00 PM - 09:00 PM	55.4	83.3	47.1
09:00 PM - 10:00 PM	53.4	77.5	46.0
10:00 PM - 11:00 PM	53.1	77.5	46.0
11:00 PM - 12:00 AM	52.5	74.8	46.3
12:00 AM - 01:00 AM	56.2	86.0	47.2
01:00 AM - 02:00 AM	52.0	75.8	45.5
02:00 AM - 03:00 AM	53.6	82.1	44.0
03:00 AM - 04:00 AM	50.9	68.7	43.3
04:00 AM - 05:00 AM	54.5	77.8	43.9
05:00 AM - 06:00 AM	55.0	71.9	45.5
06:00 AM - 07:00 AM	57.3	76.8	48.0
07:00 AM - 08:00 AM	56.9	74.7	47.6
08:00 AM - 09:00 AM	56.3	74.7	49.2
09:00 AM - 10:00 AM	59.1	86.6	50.0
10:00 AM - 11:00 AM	57.6	85.4	48.3
11:00 AM - 12:00 PM	57.4	77.8	48.8

Leq Average 24 hrs. (dB(A)) 56.2  
Lmax (dB(A)) 86.6  
L90 (dB(A)) 47.6  
Ldn (dB(A)) 61.2  
Standard (dB(A)) 70 115

Reference Method : ISO1996-1 and 1996-2

Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป  
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548

Remark : The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management

*Thanita K.*

Thanita Kulsuriwong  
Scientist (4)

Approved by

*Supot S.*

Supot Salamteh  
Section Head

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## Analysis / Test Report

TESTING  
No.0042

**Client :** Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

**P/O :** RJN-BW-012/65

**Project Name :** Chonburi Bowin

**Project Location :**

**Lot ID: 22144018**

Date Received : Dec 28, 2022

Date Reported : Jan 03, 2023

Report Number: 2534497-1

Page 1 of 1

**Sample Number** 22144018-28  
**Parameter** Noise (Leq 24 hrs.)  
**Location** N4 : ที่พักอาศัยบริเวณหมู่ 5 บ้านสุรศักดิ์  
**Measurement Date** Dec 25 - Dec 26, 2022  
**Measurement by** Jaradrawee Sriruksa  
**Sound Level meter** Serial No. 597168

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:00 PM - 01:00 PM	55.7	78.7	46.3
01:00 PM - 02:00 PM	53.8	73.2	43.8
02:00 PM - 03:00 PM	55.1	79.6	44.8
03:00 PM - 04:00 PM	54.7	75.3	45.6
04:00 PM - 05:00 PM	57.0	81.4	46.2
05:00 PM - 06:00 PM	54.9	80.9	46.6
06:00 PM - 07:00 PM	54.7	74.6	48.2
07:00 PM - 08:00 PM	55.9	82.7	47.7
08:00 PM - 09:00 PM	53.2	73.4	46.5
09:00 PM - 10:00 PM	52.4	80.3	46.1
10:00 PM - 11:00 PM	51.6	73.1	45.6
11:00 PM - 12:00 AM	50.4	70.5	44.6
12:00 AM - 01:00 AM	49.4	74.8	44.2
01:00 AM - 02:00 AM	49.5	72.5	43.4
02:00 AM - 03:00 AM	50.6	72.1	43.6
03:00 AM - 04:00 AM	50.8	70.1	43.6
04:00 AM - 05:00 AM	53.2	70.0	45.3
05:00 AM - 06:00 AM	56.6	80.0	47.2
06:00 AM - 07:00 AM	59.7	83.1	51.4
07:00 AM - 08:00 AM	58.7	74.4	51.7
08:00 AM - 09:00 AM	59.3	80.9	51.3
09:00 AM - 10:00 AM	60.4	84.2	51.2
10:00 AM - 11:00 AM	60.6	83.3	51.2
11:00 AM - 12:00 PM	58.8	81.3	48.9

Leq Average 24 hrs. (dB(A)) 56.2  
Lmax (dB(A)) 84.2  
L90 (dB(A)) 46.2  
Ldn (dB(A)) 61.0  
Standard (dB(A)) 70 115

Reference Method : ISO1996-1 and 1996-2

Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป  
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548

Remark : The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management

*Thanita K.*

Thanita Kulsuriwong  
Scientist (4)

Approved by

*Supot S.*

Supot Salamteh  
Section Head

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ALS LABORATORY GROUP (THAILAND) CO., LTD. An ALS Limited Company

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## Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230  
P/O : RJN-BW-012/65  
Project Name : Chonburi Bowin  
Project Location :

Lot ID: 22144022  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report Number : 2534247-1

Page 1 of 3

Sample Number 22144022-1  
Parameter Noise Level (Leq 5 min)  
Location N1 : หมู่บ้านบุรพา  
Measurement Date Dec 19 - Dec 20, 2022  
Measurement by Jaradrawee Sriuksa ทะเบียนเลขที่ ว-323-จ-9483  
Sound Level meter Serial No. 00734225

Dec 19, 2022 Time	Leq dB(A)	L90 dB(A)	Dec 19, 2022 Time	Leq dB(A)	L90 dB(A)	Dec 19, 2022 Time	Leq dB(A)	L90 dB(A)
12:00 PM - 12:05 PM	60.7	52.8	02:40 PM - 02:45 PM	55.4	52.3	05:20 PM - 05:25 PM	55.4	51.8
12:05 PM - 12:10 PM	58.5	53.7	02:45 PM - 02:50 PM	55.6	52.4	05:25 PM - 05:30 PM	55.3	52.2
12:10 PM - 12:15 PM	57.1	51.8	02:50 PM - 02:55 PM	56.5	53.0	05:30 PM - 05:35 PM	53.8	51.6
12:15 PM - 12:20 PM	56.2	52.3	02:55 PM - 03:00 PM	57.1	54.1	05:35 PM - 05:40 PM	53.4	52.1
12:20 PM - 12:25 PM	54.7	52.9	03:00 PM - 03:05 PM	56.3	53.2	05:40 PM - 05:45 PM	57.0	52.0
12:25 PM - 12:30 PM	56.9	51.9	03:05 PM - 03:10 PM	56.2	54.0	05:45 PM - 05:50 PM	55.1	51.8
12:30 PM - 12:35 PM	55.9	52.1	03:10 PM - 03:15 PM	55.0	53.4	05:50 PM - 05:55 PM	54.4	51.7
12:35 PM - 12:40 PM	54.8	51.7	03:15 PM - 03:20 PM	58.6	55.2	05:55 PM - 06:00 PM	57.4	51.9
12:40 PM - 12:45 PM	54.3	51.5	03:20 PM - 03:25 PM	58.1	54.3	06:00 PM - 06:05 PM	56.7	52.0
12:45 PM - 12:50 PM	53.0	51.0	03:25 PM - 03:30 PM	55.9	53.6	06:05 PM - 06:10 PM	52.5	51.3
12:50 PM - 12:55 PM	53.3	51.8	03:30 PM - 03:35 PM	56.3	53.6	06:10 PM - 06:15 PM	53.5	51.3
12:55 PM - 01:00 PM	55.8	53.1	03:35 PM - 03:40 PM	57.4	53.6	06:15 PM - 06:20 PM	54.9	51.8
01:00 PM - 01:05 PM	54.1	52.2	03:40 PM - 03:45 PM	55.2	52.7	06:20 PM - 06:25 PM	54.7	51.1
01:05 PM - 01:10 PM	55.1	52.5	03:45 PM - 03:50 PM	55.7	52.9	06:25 PM - 06:30 PM	54.6	51.4
01:10 PM - 01:15 PM	56.7	53.4	03:50 PM - 03:55 PM	56.7	53.3	06:30 PM - 06:35 PM	53.4	51.2
01:15 PM - 01:20 PM	56.7	54.7	03:55 PM - 04:00 PM	54.9	52.9	06:35 PM - 06:40 PM	52.0	50.8
01:20 PM - 01:25 PM	54.8	53.1	04:00 PM - 04:05 PM	55.4	53.2	06:40 PM - 06:45 PM	53.3	50.3
01:25 PM - 01:30 PM	56.9	54.9	04:05 PM - 04:10 PM	54.0	52.4	06:45 PM - 06:50 PM	56.1	51.2
01:30 PM - 01:35 PM	55.3	51.8	04:10 PM - 04:15 PM	54.9	52.7	06:50 PM - 06:55 PM	52.6	50.4
01:35 PM - 01:40 PM	56.5	54.2	04:15 PM - 04:20 PM	55.6	53.0	06:55 PM - 07:00 PM	52.4	50.4
01:40 PM - 01:45 PM	64.3	56.4	04:20 PM - 04:25 PM	53.9	52.4	07:00 PM - 07:05 PM	52.9	50.4
01:45 PM - 01:50 PM	58.5	55.0	04:25 PM - 04:30 PM	54.4	52.8	07:05 PM - 07:10 PM	52.2	50.9
01:50 PM - 01:55 PM	57.4	54.1	04:30 PM - 04:35 PM	55.2	52.6	07:10 PM - 07:15 PM	53.9	52.3
01:55 PM - 02:00 PM	58.8	55.4	04:35 PM - 04:40 PM	56.2	53.1	07:15 PM - 07:20 PM	53.4	52.3
02:00 PM - 02:05 PM	56.8	53.4	04:40 PM - 04:45 PM	55.6	53.5	07:20 PM - 07:25 PM	56.1	51.7
02:05 PM - 02:10 PM	57.7	54.8	04:45 PM - 04:50 PM	55.1	53.5	07:25 PM - 07:30 PM	53.1	51.5
02:10 PM - 02:15 PM	57.7	54.1	04:50 PM - 04:55 PM	54.3	52.7	07:30 PM - 07:35 PM	52.8	51.3
02:15 PM - 02:20 PM	56.7	54.3	04:55 PM - 05:00 PM	73.6	54.1	07:35 PM - 07:40 PM	52.9	51.6
02:20 PM - 02:25 PM	57.5	54.5	05:00 PM - 05:05 PM	76.9	53.5	07:40 PM - 07:45 PM	52.4	50.9
02:25 PM - 02:30 PM	57.1	54.9	05:05 PM - 05:10 PM	66.4	52.8	07:45 PM - 07:50 PM	52.9	51.6
02:30 PM - 02:35 PM	58.2	55.3	05:10 PM - 05:15 PM	55.1	52.6	07:50 PM - 07:55 PM	55.2	51.1
02:35 PM - 02:40 PM	56.8	53.6	05:15 PM - 05:20 PM	56.1	52.2	07:55 PM - 08:00 PM	52.6	50.6

Approved by

Sarayuth Jitranont  
Assistant General Manager

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## Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230  
P/O : RJN-BW-012/65  
Project Name : Chonburi Bowin  
Project Location :

Lot ID: 22144022  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report Number : 2534247-1

Page 2 of 3

Sample Number 22144022-1  
Parameter Noise Level (Leq 5 min)  
Location N1 : หมู่บ้านบุรพา  
Measurement Date Dec 19 - Dec 20, 2022  
Measurement by Jaradrawee Sriruksa ทะเบียนเลขที่ ๖-323-๖-9483  
Sound Level meter Serial No. 00734225

Dec 19, 2022	Leq	L90	Dec 19 - Dec 20, 2022	Leq	L90	Dec 20, 2022	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
08:00 PM - 08:05 PM	53.4	51.6	10:40 PM - 10:45 PM	51.4	50.1	01:20 AM - 01:25 AM	49.6	48.3
08:05 PM - 08:10 PM	52.8	51.3	10:45 PM - 10:50 PM	50.5	49.3	01:25 AM - 01:30 AM	50.4	49.1
08:10 PM - 08:15 PM	55.3	51.8	10:50 PM - 10:55 PM	51.0	49.6	01:30 AM - 01:35 AM	51.3	49.5
08:15 PM - 08:20 PM	54.9	52.1	10:55 PM - 11:00 PM	51.2	50.0	01:35 AM - 01:40 AM	50.8	49.4
08:20 PM - 08:25 PM	52.7	51.3	11:00 PM - 11:05 PM	49.9	48.8	01:40 AM - 01:45 AM	50.4	49.0
08:25 PM - 08:30 PM	52.7	51.0	11:05 PM - 11:10 PM	50.6	49.4	01:45 AM - 01:50 AM	50.4	48.7
08:30 PM - 08:35 PM	54.0	51.9	11:10 PM - 11:15 PM	50.0	49.2	01:50 AM - 01:55 AM	50.5	49.5
08:35 PM - 08:40 PM	53.6	51.5	11:15 PM - 11:20 PM	50.0	48.7	01:55 AM - 02:00 AM	50.3	49.2
08:40 PM - 08:45 PM	52.9	50.8	11:20 PM - 11:25 PM	49.9	48.5	02:00 AM - 02:05 AM	50.0	49.1
08:45 PM - 08:50 PM	54.0	50.3	11:25 PM - 11:30 PM	48.8	48.2	02:05 AM - 02:10 AM	50.2	49.2
08:50 PM - 08:55 PM	53.1	50.6	11:30 PM - 11:35 PM	48.9	48.0	02:10 AM - 02:15 AM	49.7	48.7
08:55 PM - 09:00 PM	51.5	49.9	11:35 PM - 11:40 PM	48.6	47.5	02:15 AM - 02:20 AM	50.7	49.0
09:00 PM - 09:05 PM	51.5	49.8	11:40 PM - 11:45 PM	48.9	47.4	02:20 AM - 02:25 AM	50.5	49.2
09:05 PM - 09:10 PM	50.2	49.2	11:45 PM - 11:50 PM	48.2	47.4	02:25 AM - 02:30 AM	50.7	49.4
09:10 PM - 09:15 PM	50.8	49.4	11:50 PM - 11:55 PM	47.8	46.8	02:30 AM - 02:35 AM	50.2	49.2
09:15 PM - 09:20 PM	51.1	49.7	11:55 PM - 12:00 AM	48.4	47.5	02:35 AM - 02:40 AM	49.9	48.8
09:20 PM - 09:25 PM	52.5	50.0	12:00 AM - 12:05 AM	49.6	48.5	02:40 AM - 02:45 AM	52.8	49.1
09:25 PM - 09:30 PM	51.0	49.8	12:05 AM - 12:10 AM	48.4	47.7	02:45 AM - 02:50 AM	50.3	49.2
09:30 PM - 09:35 PM	50.5	49.4	12:10 AM - 12:15 AM	48.7	47.5	02:50 AM - 02:55 AM	50.1	48.9
09:35 PM - 09:40 PM	51.9	49.8	12:15 AM - 12:20 AM	49.1	47.9	02:55 AM - 03:00 AM	49.7	48.8
09:40 PM - 09:45 PM	51.7	49.4	12:20 AM - 12:25 AM	48.5	47.8	03:00 AM - 03:05 AM	50.3	49.0
09:45 PM - 09:50 PM	50.6	49.5	12:25 AM - 12:30 AM	48.9	48.0	03:05 AM - 03:10 AM	50.1	48.6
09:50 PM - 09:55 PM	51.1	50.0	12:30 AM - 12:35 AM	49.3	48.2	03:10 AM - 03:15 AM	49.6	48.6
09:55 PM - 10:00 PM	51.7	50.0	12:35 AM - 12:40 AM	49.7	48.5	03:15 AM - 03:20 AM	50.6	49.0
10:00 PM - 10:05 PM	52.1	50.2	12:40 AM - 12:45 AM	49.8	48.4	03:20 AM - 03:25 AM	50.4	49.0
10:05 PM - 10:10 PM	51.9	50.5	12:45 AM - 12:50 AM	48.9	47.9	03:25 AM - 03:30 AM	50.9	48.7
10:10 PM - 10:15 PM	51.3	49.7	12:50 AM - 12:55 AM	48.2	47.5	03:30 AM - 03:35 AM	49.4	48.5
10:15 PM - 10:20 PM	52.4	50.7	12:55 AM - 01:00 AM	48.7	47.3	03:35 AM - 03:40 AM	49.4	47.9
10:20 PM - 10:25 PM	52.2	50.8	01:00 AM - 01:05 AM	48.6	47.4	03:40 AM - 03:45 AM	49.4	48.5
10:25 PM - 10:30 PM	52.1	50.5	01:05 AM - 01:10 AM	48.8	47.7	03:45 AM - 03:50 AM	49.0	48.0
10:30 PM - 10:35 PM	52.0	49.9	01:10 AM - 01:15 AM	49.4	47.9	03:50 AM - 03:55 AM	49.2	48.3
10:35 PM - 10:40 PM	51.6	50.5	01:15 AM - 01:20 AM	48.6	47.8	03:55 AM - 04:00 AM	50.0	48.8

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Approved by

Sarayuth Jittrantont  
Assistant General Manager



## Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230  
P/O : RJN-BW-012/65  
Project Name : Chonburi Bowin  
Project Location :

Lot ID: 22144022  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report Number : 2534247-1

Page 3 of 3

Sample Number 22144022-1  
Parameter Noise Level (Leq 5 min)  
Location N1 : หมู่บ้านบุรพา  
Measurement Date Dec 19 - Dec 20, 2022  
Measurement by Jaradrawee Sriuksa ทะเบียนเลขที่ ๖-323-๖-9483  
Sound Level meter Serial No. 00734225

Dec 20, 2022 Time	Leq dB(A)	L90 dB(A)	Dec 20, 2022 Time	Leq dB(A)	L90 dB(A)	Dec 20, 2022 Time	Leq dB(A)	L90 dB(A)
04:00 AM - 04:05 AM	49.5	48.4	06:40 AM - 06:45 AM	57.6	52.7	09:20 AM - 09:25 AM	59.6	55.9
04:05 AM - 04:10 AM	51.8	48.7	06:45 AM - 06:50 AM	55.0	52.1	09:25 AM - 09:30 AM	60.6	55.1
04:10 AM - 04:15 AM	49.1	48.2	06:50 AM - 06:55 AM	57.3	51.9	09:30 AM - 09:35 AM	61.4	55.8
04:15 AM - 04:20 AM	49.8	48.4	06:55 AM - 07:00 AM	53.9	52.3	09:35 AM - 09:40 AM	68.5	55.5
04:20 AM - 04:25 AM	51.4	49.4	07:00 AM - 07:05 AM	53.5	52.4	09:40 AM - 09:45 AM	59.5	55.9
04:25 AM - 04:30 AM	49.7	48.6	07:05 AM - 07:10 AM	56.6	52.2	09:45 AM - 09:50 AM	59.7	56.3
04:30 AM - 04:35 AM	52.7	48.8	07:10 AM - 07:15 AM	69.9	52.5	09:50 AM - 09:55 AM	58.9	55.1
04:35 AM - 04:40 AM	60.2	49.2	07:15 AM - 07:20 AM	57.6	53.3	09:55 AM - 10:00 AM	59.8	55.5
04:40 AM - 04:45 AM	57.3	48.7	07:20 AM - 07:25 AM	57.1	53.3	10:00 AM - 10:05 AM	60.3	55.3
04:45 AM - 04:50 AM	53.9	48.5	07:25 AM - 07:30 AM	54.7	53.1	10:05 AM - 10:10 AM	59.9	55.4
04:50 AM - 04:55 AM	49.5	48.6	07:30 AM - 07:35 AM	57.1	53.3	10:10 AM - 10:15 AM	59.1	54.7
04:55 AM - 05:00 AM	50.1	49.0	07:35 AM - 07:40 AM	75.5	56.2	10:15 AM - 10:20 AM	57.3	54.1
05:00 AM - 05:05 AM	50.5	49.3	07:40 AM - 07:45 AM	60.2	56.2	10:20 AM - 10:25 AM	57.8	54.1
05:05 AM - 05:10 AM	65.4	49.3	07:45 AM - 07:50 AM	59.1	55.4	10:25 AM - 10:30 AM	58.3	54.6
05:10 AM - 05:15 AM	62.5	49.6	07:50 AM - 07:55 AM	56.4	54.4	10:30 AM - 10:35 AM	61.4	59.3
05:15 AM - 05:20 AM	63.4	49.9	07:55 AM - 08:00 AM	55.9	54.1	10:35 AM - 10:40 AM	63.9	59.7
05:20 AM - 05:25 AM	61.1	50.0	08:00 AM - 08:05 AM	55.2	53.0	10:40 AM - 10:45 AM	66.0	63.6
05:25 AM - 05:30 AM	61.6	50.3	08:05 AM - 08:10 AM	57.6	53.6	10:45 AM - 10:50 AM	64.4	57.4
05:30 AM - 05:35 AM	63.3	50.1	08:10 AM - 08:15 AM	57.9	53.2	10:50 AM - 10:55 AM	57.6	54.0
05:35 AM - 05:40 AM	58.0	49.9	08:15 AM - 08:20 AM	55.9	53.9	10:55 AM - 11:00 AM	61.1	56.9
05:40 AM - 05:45 AM	56.8	50.1	08:20 AM - 08:25 AM	54.6	53.1	11:00 AM - 11:05 AM	57.5	53.7
05:45 AM - 05:50 AM	51.3	50.0	08:25 AM - 08:30 AM	55.5	53.7	11:05 AM - 11:10 AM	60.7	55.3
05:50 AM - 05:55 AM	52.0	50.3	08:30 AM - 08:35 AM	55.6	53.5	11:10 AM - 11:15 AM	60.2	54.9
05:55 AM - 06:00 AM	51.6	50.1	08:35 AM - 08:40 AM	57.0	53.6	11:15 AM - 11:20 AM	58.5	55.2
06:00 AM - 06:05 AM	62.2	51.1	08:40 AM - 08:45 AM	56.6	53.3	11:20 AM - 11:25 AM	60.9	55.7
06:05 AM - 06:10 AM	62.8	51.4	08:45 AM - 08:50 AM	59.8	55.0	11:25 AM - 11:30 AM	60.5	57.7
06:10 AM - 06:15 AM	61.3	51.4	08:50 AM - 08:55 AM	61.2	57.9	11:30 AM - 11:35 AM	59.0	55.1
06:15 AM - 06:20 AM	55.4	50.9	08:55 AM - 09:00 AM	62.0	58.8	11:35 AM - 11:40 AM	59.4	55.2
06:20 AM - 06:25 AM	53.5	51.5	09:00 AM - 09:05 AM	60.2	55.9	11:40 AM - 11:45 AM	58.9	54.9
06:25 AM - 06:30 AM	56.1	52.3	09:05 AM - 09:10 AM	61.7	55.4	11:45 AM - 11:50 AM	59.0	53.9
06:30 AM - 06:35 AM	56.0	53.0	09:10 AM - 09:15 AM	58.9	55.3	11:50 AM - 11:55 AM	55.7	53.0
06:35 AM - 06:40 AM	54.9	52.6	09:15 AM - 09:20 AM	57.0	53.8	11:55 AM - 12:00 PM	57.6	52.5

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Approved by

Sarayuth Jittrantont  
Assistant General Manager



## Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230  
P/O : RJN-BW-012/65  
Project Name : Chonburi Bowin  
Project Location :

Lot ID: 22144022  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report Number : 2534248-1

Page 1 of 3

Sample Number 22144022-2  
Parameter Noise Level (Leq 5 min)  
Location N1 : หมู่บ้านบุรพา  
Measurement Date Dec 20 - Dec 21, 2022  
Measurement by Jaradrawee Sriuksa ทะเบียนเลขที่ ว-323-จ-9483  
Sound Level meter Serial No. 00734225

Dec 20, 2022	Leq	L90	Dec 20, 2022	Leq	L90	Dec 20, 2022	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
12:00 PM - 12:05 PM	57.0	52.6	02:40 PM - 02:45 PM	55.6	52.9	05:20 PM - 05:25 PM	54.0	51.7
12:05 PM - 12:10 PM	57.4	52.6	02:45 PM - 02:50 PM	55.2	51.9	05:25 PM - 05:30 PM	56.9	51.2
12:10 PM - 12:15 PM	58.2	52.5	02:50 PM - 02:55 PM	55.6	50.5	05:30 PM - 05:35 PM	53.1	51.8
12:15 PM - 12:20 PM	58.5	52.4	02:55 PM - 03:00 PM	53.7	50.8	05:35 PM - 05:40 PM	53.3	51.6
12:20 PM - 12:25 PM	59.6	52.7	03:00 PM - 03:05 PM	52.3	50.5	05:40 PM - 05:45 PM	57.2	53.6
12:25 PM - 12:30 PM	60.1	52.6	03:05 PM - 03:10 PM	53.2	51.0	05:45 PM - 05:50 PM	58.9	51.4
12:30 PM - 12:35 PM	57.7	52.1	03:10 PM - 03:15 PM	52.9	50.8	05:50 PM - 05:55 PM	55.0	51.9
12:35 PM - 12:40 PM	56.1	51.6	03:15 PM - 03:20 PM	53.4	50.6	05:55 PM - 06:00 PM	54.7	52.4
12:40 PM - 12:45 PM	57.2	50.7	03:20 PM - 03:25 PM	55.3	52.4	06:00 PM - 06:05 PM	53.9	52.3
12:45 PM - 12:50 PM	54.4	50.4	03:25 PM - 03:30 PM	54.5	51.2	06:05 PM - 06:10 PM	52.9	51.3
12:50 PM - 12:55 PM	55.9	51.4	03:30 PM - 03:35 PM	52.3	49.7	06:10 PM - 06:15 PM	52.4	51.2
12:55 PM - 01:00 PM	59.5	52.9	03:35 PM - 03:40 PM	53.4	50.2	06:15 PM - 06:20 PM	53.0	50.6
01:00 PM - 01:05 PM	60.5	54.0	03:40 PM - 03:45 PM	57.4	51.9	06:20 PM - 06:25 PM	52.2	51.0
01:05 PM - 01:10 PM	58.6	53.3	03:45 PM - 03:50 PM	54.2	51.0	06:25 PM - 06:30 PM	52.5	51.3
01:10 PM - 01:15 PM	58.1	53.2	03:50 PM - 03:55 PM	54.4	51.5	06:30 PM - 06:35 PM	52.7	51.4
01:15 PM - 01:20 PM	57.4	52.8	03:55 PM - 04:00 PM	57.5	53.3	06:35 PM - 06:40 PM	52.7	51.1
01:20 PM - 01:25 PM	57.0	53.7	04:00 PM - 04:05 PM	56.1	53.1	06:40 PM - 06:45 PM	52.0	50.6
01:25 PM - 01:30 PM	63.0	60.0	04:05 PM - 04:10 PM	57.1	52.3	06:45 PM - 06:50 PM	53.0	52.0
01:30 PM - 01:35 PM	59.1	54.0	04:10 PM - 04:15 PM	53.4	50.7	06:50 PM - 06:55 PM	54.0	52.3
01:35 PM - 01:40 PM	54.3	51.1	04:15 PM - 04:20 PM	55.9	51.6	06:55 PM - 07:00 PM	53.8	52.4
01:40 PM - 01:45 PM	55.2	51.3	04:20 PM - 04:25 PM	56.9	53.3	07:00 PM - 07:05 PM	55.1	52.9
01:45 PM - 01:50 PM	55.4	52.0	04:25 PM - 04:30 PM	55.8	52.8	07:05 PM - 07:10 PM	53.5	52.2
01:50 PM - 01:55 PM	54.8	51.4	04:30 PM - 04:35 PM	56.7	52.5	07:10 PM - 07:15 PM	53.4	51.8
01:55 PM - 02:00 PM	55.1	51.2	04:35 PM - 04:40 PM	59.5	52.2	07:15 PM - 07:20 PM	53.7	52.4
02:00 PM - 02:05 PM	55.5	51.6	04:40 PM - 04:45 PM	58.9	51.7	07:20 PM - 07:25 PM	53.6	52.2
02:05 PM - 02:10 PM	56.2	51.3	04:45 PM - 04:50 PM	54.8	50.9	07:25 PM - 07:30 PM	54.5	51.9
02:10 PM - 02:15 PM	56.3	51.8	04:50 PM - 04:55 PM	56.4	49.6	07:30 PM - 07:35 PM	53.8	52.6
02:15 PM - 02:20 PM	56.7	52.0	04:55 PM - 05:00 PM	54.3	51.2	07:35 PM - 07:40 PM	53.7	52.5
02:20 PM - 02:25 PM	52.9	49.2	05:00 PM - 05:05 PM	58.4	52.2	07:40 PM - 07:45 PM	53.4	52.3
02:25 PM - 02:30 PM	57.3	50.1	05:05 PM - 05:10 PM	55.4	52.4	07:45 PM - 07:50 PM	54.0	52.6
02:30 PM - 02:35 PM	59.0	52.9	05:10 PM - 05:15 PM	54.4	51.6	07:50 PM - 07:55 PM	53.9	52.2
02:35 PM - 02:40 PM	57.7	55.0	05:15 PM - 05:20 PM	53.7	51.5	07:55 PM - 08:00 PM	54.5	52.7

Approved by

Sarayuth Jitranont  
Assistant General Manager

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## Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230  
P/O : RJN-BW-012/65  
Project Name : Chonburi Bowin  
Project Location :

Lot ID: 22144022  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report Number : 2534248-1

Page 2 of 3

Sample Number 22144022-2  
Parameter Noise Level (Leq 5 min)  
Location N1 : หมู่บ้านบุรพา  
Measurement Date Dec 20 - Dec 21, 2022  
Measurement by Jaradrawee Sriuksa ทะเบียนเลขที่ ๖-323-๖-9483  
Sound Level meter Serial No. 00734225

Dec 20, 2022	Leq	L90	Dec 20 - Dec 21, 2022	Leq	L90	Dec 21, 2022	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
08:00 PM - 08:05 PM	54.8	53.3	10:40 PM - 10:45 PM	51.9	49.8	01:20 AM - 01:25 AM	49.5	48.3
08:05 PM - 08:10 PM	54.0	52.2	10:45 PM - 10:50 PM	53.9	50.8	01:25 AM - 01:30 AM	49.5	48.1
08:10 PM - 08:15 PM	54.7	53.1	10:50 PM - 10:55 PM	50.7	48.4	01:30 AM - 01:35 AM	48.7	47.0
08:15 PM - 08:20 PM	56.0	53.5	10:55 PM - 11:00 PM	51.0	49.0	01:35 AM - 01:40 AM	50.6	47.5
08:20 PM - 08:25 PM	54.6	52.6	11:00 PM - 11:05 PM	50.5	48.1	01:40 AM - 01:45 AM	49.1	47.1
08:25 PM - 08:30 PM	53.0	51.3	11:05 PM - 11:10 PM	52.8	49.6	01:45 AM - 01:50 AM	49.3	47.4
08:30 PM - 08:35 PM	53.0	51.5	11:10 PM - 11:15 PM	50.0	48.4	01:50 AM - 01:55 AM	49.6	47.2
08:35 PM - 08:40 PM	53.1	51.9	11:15 PM - 11:20 PM	49.3	47.8	01:55 AM - 02:00 AM	49.8	48.3
08:40 PM - 08:45 PM	52.7	50.6	11:20 PM - 11:25 PM	48.4	47.8	02:00 AM - 02:05 AM	50.5	48.1
08:45 PM - 08:50 PM	52.2	51.0	11:25 PM - 11:30 PM	49.0	48.3	02:05 AM - 02:10 AM	49.4	48.0
08:50 PM - 08:55 PM	52.1	50.9	11:30 PM - 11:35 PM	49.8	48.6	02:10 AM - 02:15 AM	48.8	47.9
08:55 PM - 09:00 PM	53.0	51.4	11:35 PM - 11:40 PM	49.6	48.8	02:15 AM - 02:20 AM	49.4	48.1
09:00 PM - 09:05 PM	52.5	50.3	11:40 PM - 11:45 PM	50.7	49.6	02:20 AM - 02:25 AM	48.4	47.1
09:05 PM - 09:10 PM	52.7	50.0	11:45 PM - 11:50 PM	50.1	49.1	02:25 AM - 02:30 AM	48.6	47.5
09:10 PM - 09:15 PM	52.8	50.3	11:50 PM - 11:55 PM	49.3	48.5	02:30 AM - 02:35 AM	48.8	47.9
09:15 PM - 09:20 PM	51.2	49.8	11:55 PM - 12:00 AM	48.9	47.6	02:35 AM - 02:40 AM	48.6	47.5
09:20 PM - 09:25 PM	51.2	49.6	12:00 AM - 12:05 AM	49.7	48.7	02:40 AM - 02:45 AM	47.8	47.0
09:25 PM - 09:30 PM	52.5	49.5	12:05 AM - 12:10 AM	49.8	48.6	02:45 AM - 02:50 AM	48.1	46.9
09:30 PM - 09:35 PM	50.8	49.5	12:10 AM - 12:15 AM	51.7	48.0	02:50 AM - 02:55 AM	48.0	47.2
09:35 PM - 09:40 PM	50.4	49.5	12:15 AM - 12:20 AM	50.3	48.5	02:55 AM - 03:00 AM	48.8	47.8
09:40 PM - 09:45 PM	52.9	50.2	12:20 AM - 12:25 AM	49.7	48.4	03:00 AM - 03:05 AM	49.6	47.6
09:45 PM - 09:50 PM	51.7	49.0	12:25 AM - 12:30 AM	50.0	48.9	03:05 AM - 03:10 AM	48.6	47.2
09:50 PM - 09:55 PM	51.2	49.9	12:30 AM - 12:35 AM	50.9	48.8	03:10 AM - 03:15 AM	49.9	48.2
09:55 PM - 10:00 PM	52.2	50.1	12:35 AM - 12:40 AM	48.9	47.4	03:15 AM - 03:20 AM	49.2	48.1
10:00 PM - 10:05 PM	53.5	50.9	12:40 AM - 12:45 AM	49.9	48.0	03:20 AM - 03:25 AM	53.2	48.4
10:05 PM - 10:10 PM	51.5	50.2	12:45 AM - 12:50 AM	49.2	47.6	03:25 AM - 03:30 AM	52.6	47.6
10:10 PM - 10:15 PM	51.2	49.9	12:50 AM - 12:55 AM	50.2	48.0	03:30 AM - 03:35 AM	50.5	49.1
10:15 PM - 10:20 PM	52.8	50.5	12:55 AM - 01:00 AM	49.6	47.8	03:35 AM - 03:40 AM	50.9	49.7
10:20 PM - 10:25 PM	52.2	50.6	01:00 AM - 01:05 AM	50.5	47.6	03:40 AM - 03:45 AM	50.9	49.8
10:25 PM - 10:30 PM	51.6	50.2	01:05 AM - 01:10 AM	48.2	47.1	03:45 AM - 03:50 AM	50.9	49.2
10:30 PM - 10:35 PM	52.3	50.6	01:10 AM - 01:15 AM	49.2	47.8	03:50 AM - 03:55 AM	50.6	48.8
10:35 PM - 10:40 PM	52.0	50.2	01:15 AM - 01:20 AM	49.0	47.6	03:55 AM - 04:00 AM	59.8	49.8

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Approved by

Sarayuth Jittrantont  
Assistant General Manager





## Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230  
P/O : RJN-BW-012/65  
Project Name : Chonburi Bowin  
Project Location :

Lot ID: 22144022  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report Number : 2534248-1

Page 3 of 3

Sample Number 22144022-2  
Parameter Noise Level (Leq 5 min)  
Location N1 : หมู่บ้านบุรพา  
Measurement Date Dec 20 - Dec 21, 2022  
Measurement by Jaradrawee Sriuksa ทะเบียนเลขที่ ๖-323-๖-9483  
Sound Level meter Serial No. 00734225

Dec 21, 2022 Time	Leq dB(A)	L90 dB(A)	Dec 21, 2022 Time	Leq dB(A)	L90 dB(A)	Dec 21, 2022 Time	Leq dB(A)	L90 dB(A)
04:00 AM - 04:05 AM	58.7	49.6	06:40 AM - 06:45 AM	58.1	53.4	09:20 AM - 09:25 AM	64.6	54.6
04:05 AM - 04:10 AM	56.9	49.7	06:45 AM - 06:50 AM	60.3	52.6	09:25 AM - 09:30 AM	61.6	55.1
04:10 AM - 04:15 AM	56.1	49.1	06:50 AM - 06:55 AM	56.9	52.8	09:30 AM - 09:35 AM	61.4	54.6
04:15 AM - 04:20 AM	54.3	49.9	06:55 AM - 07:00 AM	73.9	62.6	09:35 AM - 09:40 AM	61.0	55.3
04:20 AM - 04:25 AM	53.6	49.5	07:00 AM - 07:05 AM	60.3	53.1	09:40 AM - 09:45 AM	58.5	54.4
04:25 AM - 04:30 AM	52.7	49.2	07:05 AM - 07:10 AM	59.7	53.3	09:45 AM - 09:50 AM	58.6	54.9
04:30 AM - 04:35 AM	54.3	49.3	07:10 AM - 07:15 AM	59.9	53.1	09:50 AM - 09:55 AM	59.0	55.1
04:35 AM - 04:40 AM	51.0	49.4	07:15 AM - 07:20 AM	57.3	52.8	09:55 AM - 10:00 AM	68.1	55.0
04:40 AM - 04:45 AM	57.6	49.8	07:20 AM - 07:25 AM	59.2	53.6	10:00 AM - 10:05 AM	58.0	54.2
04:45 AM - 04:50 AM	57.6	49.9	07:25 AM - 07:30 AM	59.9	52.9	10:05 AM - 10:10 AM	60.6	54.7
04:50 AM - 04:55 AM	55.8	50.0	07:30 AM - 07:35 AM	58.8	52.4	10:10 AM - 10:15 AM	58.5	54.4
04:55 AM - 05:00 AM	54.1	50.4	07:35 AM - 07:40 AM	55.3	52.1	10:15 AM - 10:20 AM	69.1	54.9
05:00 AM - 05:05 AM	54.3	49.8	07:40 AM - 07:45 AM	57.0	54.0	10:20 AM - 10:25 AM	62.4	54.4
05:05 AM - 05:10 AM	58.1	49.7	07:45 AM - 07:50 AM	56.1	54.3	10:25 AM - 10:30 AM	60.1	54.8
05:10 AM - 05:15 AM	56.8	51.1	07:50 AM - 07:55 AM	56.1	54.0	10:30 AM - 10:35 AM	58.6	53.9
05:15 AM - 05:20 AM	54.1	51.1	07:55 AM - 08:00 AM	57.3	54.0	10:35 AM - 10:40 AM	59.5	53.1
05:20 AM - 05:25 AM	54.3	51.3	08:00 AM - 08:05 AM	60.0	55.0	10:40 AM - 10:45 AM	59.8	53.6
05:25 AM - 05:30 AM	52.6	50.5	08:05 AM - 08:10 AM	58.4	54.4	10:45 AM - 10:50 AM	58.0	52.9
05:30 AM - 05:35 AM	52.4	50.6	08:10 AM - 08:15 AM	59.0	56.2	10:50 AM - 10:55 AM	59.6	53.7
05:35 AM - 05:40 AM	52.6	50.8	08:15 AM - 08:20 AM	59.4	56.2	10:55 AM - 11:00 AM	56.4	52.7
05:40 AM - 05:45 AM	52.7	51.6	08:20 AM - 08:25 AM	58.7	54.3	11:00 AM - 11:05 AM	56.9	53.3
05:45 AM - 05:50 AM	52.4	50.4	08:25 AM - 08:30 AM	59.7	54.2	11:05 AM - 11:10 AM	57.7	54.6
05:50 AM - 05:55 AM	51.7	50.5	08:30 AM - 08:35 AM	58.9	55.6	11:10 AM - 11:15 AM	60.8	54.8
05:55 AM - 06:00 AM	61.0	51.0	08:35 AM - 08:40 AM	58.4	55.6	11:15 AM - 11:20 AM	62.2	55.7
06:00 AM - 06:05 AM	62.9	50.9	08:40 AM - 08:45 AM	56.8	54.6	11:20 AM - 11:25 AM	65.0	56.5
06:05 AM - 06:10 AM	62.7	51.4	08:45 AM - 08:50 AM	57.4	53.9	11:25 AM - 11:30 AM	59.8	54.4
06:10 AM - 06:15 AM	62.8	51.6	08:50 AM - 08:55 AM	56.7	53.5	11:30 AM - 11:35 AM	64.9	54.0
06:15 AM - 06:20 AM	57.9	53.1	08:55 AM - 09:00 AM	58.8	54.9	11:35 AM - 11:40 AM	62.2	54.3
06:20 AM - 06:25 AM	58.8	53.3	09:00 AM - 09:05 AM	58.3	54.0	11:40 AM - 11:45 AM	59.3	53.1
06:25 AM - 06:30 AM	56.7	53.5	09:05 AM - 09:10 AM	64.1	57.2	11:45 AM - 11:50 AM	61.4	51.3
06:30 AM - 06:35 AM	55.0	53.5	09:10 AM - 09:15 AM	60.2	56.6	11:50 AM - 11:55 AM	54.6	50.6
06:35 AM - 06:40 AM	55.0	53.4	09:15 AM - 09:20 AM	60.9	56.9	11:55 AM - 12:00 PM	53.2	50.4

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Approved by

Sarayuth Jittrantont  
Assistant General Manager



## Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230  
P/O : RJN-BW-012/65  
Project Name : Chonburi Bowin  
Project Location :

Lot ID: 22144022  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report Number : 2534249-1

Page 1 of 3

Sample Number 22144022-3  
Parameter Noise Level (Leq 5 min)  
Location N1 : หมู่บ้านบุรพา  
Measurement Date Dec 21 - Dec 22, 2022  
Measurement by Jaradrawee Sriuksa ทะเบียนเลขที่ ว-323-จ-9483  
Sound Level meter Serial No. 00734225

Dec 21, 2022 Time	Leq dB(A)	L90 dB(A)	Dec 21, 2022 Time	Leq dB(A)	L90 dB(A)	Dec 21, 2022 Time	Leq dB(A)	L90 dB(A)
12:00 PM - 12:05 PM	60.8	51.0	02:40 PM - 02:45 PM	56.9	52.3	05:20 PM - 05:25 PM	51.1	49.7
12:05 PM - 12:10 PM	52.9	50.8	02:45 PM - 02:50 PM	58.4	53.9	05:25 PM - 05:30 PM	51.7	49.7
12:10 PM - 12:15 PM	53.2	50.9	02:50 PM - 02:55 PM	58.8	51.2	05:30 PM - 05:35 PM	51.4	49.5
12:15 PM - 12:20 PM	52.9	50.6	02:55 PM - 03:00 PM	56.8	52.2	05:35 PM - 05:40 PM	52.1	50.3
12:20 PM - 12:25 PM	54.2	51.2	03:00 PM - 03:05 PM	58.0	51.8	05:40 PM - 05:45 PM	56.8	51.2
12:25 PM - 12:30 PM	53.1	49.7	03:05 PM - 03:10 PM	59.0	51.5	05:45 PM - 05:50 PM	53.2	51.5
12:30 PM - 12:35 PM	52.8	50.6	03:10 PM - 03:15 PM	59.8	51.8	05:50 PM - 05:55 PM	51.7	50.2
12:35 PM - 12:40 PM	53.6	51.1	03:15 PM - 03:20 PM	58.9	53.1	05:55 PM - 06:00 PM	51.0	49.9
12:40 PM - 12:45 PM	52.5	50.4	03:20 PM - 03:25 PM	56.9	52.2	06:00 PM - 06:05 PM	51.4	49.6
12:45 PM - 12:50 PM	54.4	52.8	03:25 PM - 03:30 PM	64.0	52.9	06:05 PM - 06:10 PM	51.7	49.3
12:50 PM - 12:55 PM	54.6	52.4	03:30 PM - 03:35 PM	63.6	53.2	06:10 PM - 06:15 PM	51.6	49.6
12:55 PM - 01:00 PM	56.2	52.2	03:35 PM - 03:40 PM	62.8	54.5	06:15 PM - 06:20 PM	52.3	50.0
01:00 PM - 01:05 PM	57.6	53.5	03:40 PM - 03:45 PM	63.0	53.7	06:20 PM - 06:25 PM	54.5	52.6
01:05 PM - 01:10 PM	58.2	54.3	03:45 PM - 03:50 PM	62.0	53.6	06:25 PM - 06:30 PM	57.9	51.9
01:10 PM - 01:15 PM	59.5	54.3	03:50 PM - 03:55 PM	57.9	52.7	06:30 PM - 06:35 PM	54.5	53.4
01:15 PM - 01:20 PM	57.5	52.6	03:55 PM - 04:00 PM	56.3	52.2	06:35 PM - 06:40 PM	56.2	53.8
01:20 PM - 01:25 PM	58.1	52.7	04:00 PM - 04:05 PM	54.1	51.6	06:40 PM - 06:45 PM	57.5	53.6
01:25 PM - 01:30 PM	57.5	52.7	04:05 PM - 04:10 PM	53.2	50.8	06:45 PM - 06:50 PM	54.6	53.4
01:30 PM - 01:35 PM	55.5	52.0	04:10 PM - 04:15 PM	56.9	51.3	06:50 PM - 06:55 PM	55.7	53.5
01:35 PM - 01:40 PM	55.9	52.2	04:15 PM - 04:20 PM	57.4	51.8	06:55 PM - 07:00 PM	54.3	53.1
01:40 PM - 01:45 PM	56.1	52.0	04:20 PM - 04:25 PM	57.5	52.9	07:00 PM - 07:05 PM	54.5	53.5
01:45 PM - 01:50 PM	60.1	53.8	04:25 PM - 04:30 PM	56.6	52.1	07:05 PM - 07:10 PM	54.7	53.5
01:50 PM - 01:55 PM	59.3	52.2	04:30 PM - 04:35 PM	54.8	51.8	07:10 PM - 07:15 PM	54.8	53.7
01:55 PM - 02:00 PM	60.1	51.6	04:35 PM - 04:40 PM	54.6	52.1	07:15 PM - 07:20 PM	54.8	53.8
02:00 PM - 02:05 PM	55.6	50.1	04:40 PM - 04:45 PM	54.1	51.5	07:20 PM - 07:25 PM	56.2	54.1
02:05 PM - 02:10 PM	56.6	53.1	04:45 PM - 04:50 PM	53.4	50.8	07:25 PM - 07:30 PM	55.3	53.6
02:10 PM - 02:15 PM	57.1	52.8	04:50 PM - 04:55 PM	53.5	51.1	07:30 PM - 07:35 PM	56.2	54.1
02:15 PM - 02:20 PM	59.8	54.8	04:55 PM - 05:00 PM	53.4	50.8	07:35 PM - 07:40 PM	55.5	53.4
02:20 PM - 02:25 PM	56.2	52.7	05:00 PM - 05:05 PM	53.6	50.9	07:40 PM - 07:45 PM	56.5	53.7
02:25 PM - 02:30 PM	57.8	53.0	05:05 PM - 05:10 PM	52.3	50.7	07:45 PM - 07:50 PM	54.2	52.8
02:30 PM - 02:35 PM	60.2	52.3	05:10 PM - 05:15 PM	57.3	50.5	07:50 PM - 07:55 PM	56.4	54.4
02:35 PM - 02:40 PM	56.7	52.1	05:15 PM - 05:20 PM	52.1	49.8	07:55 PM - 08:00 PM	54.9	52.1

Approved by

Sarayuth Jittrantont  
Assistant General Manager

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## Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230  
P/O : RJN-BW-012/65  
Project Name : Chonburi Bowin  
Project Location :

Lot ID: 22144022  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report Number : 2534249-1

Page 2 of 3

Sample Number 22144022-3  
Parameter Noise Level (Leq 5 min)  
Location N1 : หมู่บ้านบุรพา  
Measurement Date Dec 21 - Dec 22, 2022  
Measurement by Jaradrawee Sriuksa ทะเบียนเลขที่ ๖-323-๖-9483  
Sound Level meter Serial No. 00734225

Dec 21, 2022	Leq	L90	Dec 21 - Dec 22, 2022	Leq	L90	Dec 22, 2022	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
08:00 PM - 08:05 PM	56.0	53.3	10:40 PM - 10:45 PM	56.1	52.8	01:20 AM - 01:25 AM	50.2	49.1
08:05 PM - 08:10 PM	56.5	54.2	10:45 PM - 10:50 PM	56.1	52.8	01:25 AM - 01:30 AM	50.2	49.0
08:10 PM - 08:15 PM	55.6	54.2	10:50 PM - 10:55 PM	55.4	52.2	01:30 AM - 01:35 AM	51.5	49.4
08:15 PM - 08:20 PM	56.8	54.3	10:55 PM - 11:00 PM	55.6	52.6	01:35 AM - 01:40 AM	51.3	49.1
08:20 PM - 08:25 PM	57.5	55.0	11:00 PM - 11:05 PM	55.6	52.8	01:40 AM - 01:45 AM	50.0	48.9
08:25 PM - 08:30 PM	57.9	55.5	11:05 PM - 11:10 PM	55.7	53.1	01:45 AM - 01:50 AM	50.1	48.9
08:30 PM - 08:35 PM	58.2	55.7	11:10 PM - 11:15 PM	55.2	52.6	01:50 AM - 01:55 AM	50.6	49.4
08:35 PM - 08:40 PM	58.7	55.7	11:15 PM - 11:20 PM	54.8	51.8	01:55 AM - 02:00 AM	50.8	49.5
08:40 PM - 08:45 PM	58.7	56.1	11:20 PM - 11:25 PM	55.3	52.8	02:00 AM - 02:05 AM	50.6	49.5
08:45 PM - 08:50 PM	58.5	55.6	11:25 PM - 11:30 PM	55.1	52.2	02:05 AM - 02:10 AM	50.1	49.2
08:50 PM - 08:55 PM	58.7	55.7	11:30 PM - 11:35 PM	54.5	51.9	02:10 AM - 02:15 AM	50.7	49.3
08:55 PM - 09:00 PM	58.4	55.7	11:35 PM - 11:40 PM	54.8	52.3	02:15 AM - 02:20 AM	50.6	49.2
09:00 PM - 09:05 PM	58.3	55.3	11:40 PM - 11:45 PM	54.8	52.0	02:20 AM - 02:25 AM	49.9	48.9
09:05 PM - 09:10 PM	58.5	55.5	11:45 PM - 11:50 PM	53.3	50.5	02:25 AM - 02:30 AM	49.8	48.3
09:10 PM - 09:15 PM	58.1	55.3	11:50 PM - 11:55 PM	53.4	51.0	02:30 AM - 02:35 AM	49.8	48.6
09:15 PM - 09:20 PM	58.6	55.6	11:55 PM - 12:00 AM	54.4	50.9	02:35 AM - 02:40 AM	50.0	48.5
09:20 PM - 09:25 PM	58.5	56.1	12:00 AM - 12:05 AM	52.8	50.4	02:40 AM - 02:45 AM	49.8	48.3
09:25 PM - 09:30 PM	59.4	55.8	12:05 AM - 12:10 AM	52.4	49.7	02:45 AM - 02:50 AM	49.4	48.3
09:30 PM - 09:35 PM	58.1	55.1	12:10 AM - 12:15 AM	52.6	50.0	02:50 AM - 02:55 AM	49.9	48.3
09:35 PM - 09:40 PM	57.0	54.6	12:15 AM - 12:20 AM	52.8	50.5	02:55 AM - 03:00 AM	49.2	48.3
09:40 PM - 09:45 PM	56.9	55.4	12:20 AM - 12:25 AM	50.0	48.7	03:00 AM - 03:05 AM	49.6	48.1
09:45 PM - 09:50 PM	56.3	54.2	12:25 AM - 12:30 AM	52.0	48.8	03:05 AM - 03:10 AM	49.1	48.1
09:50 PM - 09:55 PM	56.8	54.6	12:30 AM - 12:35 AM	51.5	49.0	03:10 AM - 03:15 AM	49.4	48.3
09:55 PM - 10:00 PM	54.8	53.1	12:35 AM - 12:40 AM	51.4	48.7	03:15 AM - 03:20 AM	48.8	47.9
10:00 PM - 10:05 PM	55.4	53.1	12:40 AM - 12:45 AM	50.6	48.5	03:20 AM - 03:25 AM	49.6	48.3
10:05 PM - 10:10 PM	56.6	53.6	12:45 AM - 12:50 AM	51.5	48.8	03:25 AM - 03:30 AM	49.1	47.9
10:10 PM - 10:15 PM	56.9	54.0	12:50 AM - 12:55 AM	50.2	48.8	03:30 AM - 03:35 AM	49.3	48.3
10:15 PM - 10:20 PM	56.5	53.3	12:55 AM - 01:00 AM	51.9	49.1	03:35 AM - 03:40 AM	49.1	48.0
10:20 PM - 10:25 PM	56.0	53.1	01:00 AM - 01:05 AM	50.7	49.0	03:40 AM - 03:45 AM	49.1	48.2
10:25 PM - 10:30 PM	55.8	52.8	01:05 AM - 01:10 AM	50.0	48.3	03:45 AM - 03:50 AM	49.4	48.3
10:30 PM - 10:35 PM	56.6	53.2	01:10 AM - 01:15 AM	49.9	48.3	03:50 AM - 03:55 AM	49.5	48.2
10:35 PM - 10:40 PM	57.0	53.7	01:15 AM - 01:20 AM	49.3	48.2	03:55 AM - 04:00 AM	50.2	48.9

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Approved by

Sarayuth Jittrantont  
Assistant General Manager



## Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230  
P/O : RJN-BW-012/65  
Project Name : Chonburi Bowin  
Project Location :

Lot ID: 22144022  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report Number : 2534249-1

Page 3 of 3

Sample Number 22144022-3  
Parameter Noise Level (Leq 5 min)  
Location N1 : หมู่บ้านบุรพา  
Measurement Date Dec 21 - Dec 22, 2022  
Measurement by Jaradrawee Sriuksa ทะเบียนเลขที่ ๖-323-๖-9483  
Sound Level meter Serial No. 00734225

Dec 22, 2022 Time	Leq dB(A)	L90 dB(A)	Dec 22, 2022 Time	Leq dB(A)	L90 dB(A)	Dec 22, 2022 Time	Leq dB(A)	L90 dB(A)
04:00 AM - 04:05 AM	53.4	48.9	06:40 AM - 06:45 AM	54.0	52.5	09:20 AM - 09:25 AM	58.5	54.9
04:05 AM - 04:10 AM	54.9	48.3	06:45 AM - 06:50 AM	55.3	53.3	09:25 AM - 09:30 AM	58.1	54.1
04:10 AM - 04:15 AM	54.7	48.5	06:50 AM - 06:55 AM	56.1	53.0	09:30 AM - 09:35 AM	58.6	54.4
04:15 AM - 04:20 AM	53.1	48.8	06:55 AM - 07:00 AM	58.8	53.0	09:35 AM - 09:40 AM	57.0	54.3
04:20 AM - 04:25 AM	52.0	48.9	07:00 AM - 07:05 AM	58.8	53.7	09:40 AM - 09:45 AM	61.5	55.1
04:25 AM - 04:30 AM	50.7	48.9	07:05 AM - 07:10 AM	55.5	52.7	09:45 AM - 09:50 AM	61.9	55.4
04:30 AM - 04:35 AM	49.6	48.3	07:10 AM - 07:15 AM	61.6	53.1	09:50 AM - 09:55 AM	59.7	55.4
04:35 AM - 04:40 AM	53.0	48.0	07:15 AM - 07:20 AM	56.3	53.6	09:55 AM - 10:00 AM	59.3	54.8
04:40 AM - 04:45 AM	53.3	48.3	07:20 AM - 07:25 AM	56.9	53.3	10:00 AM - 10:05 AM	57.1	53.4
04:45 AM - 04:50 AM	51.4	48.3	07:25 AM - 07:30 AM	59.0	54.5	10:05 AM - 10:10 AM	58.0	53.9
04:50 AM - 04:55 AM	52.3	48.4	07:30 AM - 07:35 AM	56.6	53.4	10:10 AM - 10:15 AM	57.6	54.1
04:55 AM - 05:00 AM	51.9	48.1	07:35 AM - 07:40 AM	54.8	53.5	10:15 AM - 10:20 AM	56.5	53.6
05:00 AM - 05:05 AM	53.4	48.5	07:40 AM - 07:45 AM	55.4	53.6	10:20 AM - 10:25 AM	59.0	54.2
05:05 AM - 05:10 AM	54.2	48.6	07:45 AM - 07:50 AM	54.6	52.7	10:25 AM - 10:30 AM	58.3	53.5
05:10 AM - 05:15 AM	54.5	49.3	07:50 AM - 07:55 AM	54.7	52.8	10:30 AM - 10:35 AM	56.0	53.7
05:15 AM - 05:20 AM	53.5	49.5	07:55 AM - 08:00 AM	54.5	53.1	10:35 AM - 10:40 AM	58.0	54.6
05:20 AM - 05:25 AM	55.0	50.1	08:00 AM - 08:05 AM	55.5	53.6	10:40 AM - 10:45 AM	58.3	54.3
05:25 AM - 05:30 AM	53.0	49.9	08:05 AM - 08:10 AM	55.5	53.0	10:45 AM - 10:50 AM	56.9	53.2
05:30 AM - 05:35 AM	55.1	49.6	08:10 AM - 08:15 AM	55.1	53.2	10:50 AM - 10:55 AM	54.8	52.4
05:35 AM - 05:40 AM	50.7	49.7	08:15 AM - 08:20 AM	55.5	52.2	10:55 AM - 11:00 AM	56.0	53.1
05:40 AM - 05:45 AM	51.3	50.1	08:20 AM - 08:25 AM	56.4	53.6	11:00 AM - 11:05 AM	56.5	54.0
05:45 AM - 05:50 AM	53.1	50.3	08:25 AM - 08:30 AM	57.6	54.7	11:05 AM - 11:10 AM	61.3	52.7
05:50 AM - 05:55 AM	53.3	50.6	08:30 AM - 08:35 AM	58.5	53.4	11:10 AM - 11:15 AM	56.2	52.6
05:55 AM - 06:00 AM	54.6	50.1	08:35 AM - 08:40 AM	57.4	54.0	11:15 AM - 11:20 AM	54.8	51.4
06:00 AM - 06:05 AM	54.0	50.7	08:40 AM - 08:45 AM	58.7	54.7	11:20 AM - 11:25 AM	57.2	53.5
06:05 AM - 06:10 AM	52.5	50.4	08:45 AM - 08:50 AM	59.7	54.0	11:25 AM - 11:30 AM	55.1	52.3
06:10 AM - 06:15 AM	55.5	51.2	08:50 AM - 08:55 AM	57.9	53.8	11:30 AM - 11:35 AM	65.1	52.4
06:15 AM - 06:20 AM	55.2	50.7	08:55 AM - 09:00 AM	59.2	53.9	11:35 AM - 11:40 AM	55.9	50.9
06:20 AM - 06:25 AM	54.5	51.4	09:00 AM - 09:05 AM	58.2	54.1	11:40 AM - 11:45 AM	57.2	52.7
06:25 AM - 06:30 AM	62.4	51.7	09:05 AM - 09:10 AM	56.8	53.2	11:45 AM - 11:50 AM	57.3	51.5
06:30 AM - 06:35 AM	54.8	52.6	09:10 AM - 09:15 AM	56.3	52.9	11:50 AM - 11:55 AM	59.3	50.9
06:35 AM - 06:40 AM	53.8	52.6	09:15 AM - 09:20 AM	56.2	53.7	11:55 AM - 12:00 PM	54.9	49.7

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Approved by

Sarayuth Jittrantont  
Assistant General Manager



## Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.  
 168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230  
 P/O : RJN-BW-012/65  
 Project Name : Chonburi Bowin  
 Project Location :

Lot ID: 22144022  
 Date Received : Dec 28, 2022  
 Date Reported : Jan 04, 2023  
 Report Number : 2534250-1

Page 1 of 3

Sample Number 22144022-4  
 Parameter Noise Level (Leq 5 min)  
 Location N1 : หมู่บ้านบุรพา  
 Measurement Date Dec 22 - Dec 23, 2022  
 Measurement by Jaradrawee Sriuksa ทะเบียนเลขที่ ๖-323-๖-9483  
 Sound Level meter Serial No. 00734225

Dec 22, 2022 Time	Leq dB(A)	L90 dB(A)	Dec 22, 2022 Time	Leq dB(A)	L90 dB(A)	Dec 22, 2022 Time	Leq dB(A)	L90 dB(A)
12:00 PM - 12:05 PM	53.9	50.8	02:40 PM - 02:45 PM	51.7	48.9	05:20 PM - 05:25 PM	52.9	51.2
12:05 PM - 12:10 PM	53.6	50.2	02:45 PM - 02:50 PM	51.3	48.9	05:25 PM - 05:30 PM	53.8	51.7
12:10 PM - 12:15 PM	52.2	49.5	02:50 PM - 02:55 PM	51.5	49.5	05:30 PM - 05:35 PM	66.7	51.4
12:15 PM - 12:20 PM	55.8	50.1	02:55 PM - 03:00 PM	52.4	49.7	05:35 PM - 05:40 PM	56.8	51.0
12:20 PM - 12:25 PM	50.6	49.4	03:00 PM - 03:05 PM	52.9	49.6	05:40 PM - 05:45 PM	58.4	51.7
12:25 PM - 12:30 PM	51.0	49.4	03:05 PM - 03:10 PM	52.0	49.3	05:45 PM - 05:50 PM	58.8	51.3
12:30 PM - 12:35 PM	50.5	49.0	03:10 PM - 03:15 PM	52.0	49.9	05:50 PM - 05:55 PM	54.1	51.5
12:35 PM - 12:40 PM	58.6	48.6	03:15 PM - 03:20 PM	53.2	50.2	05:55 PM - 06:00 PM	52.6	50.8
12:40 PM - 12:45 PM	50.5	48.4	03:20 PM - 03:25 PM	56.9	49.7	06:00 PM - 06:05 PM	52.0	50.2
12:45 PM - 12:50 PM	49.1	47.6	03:25 PM - 03:30 PM	57.7	51.8	06:05 PM - 06:10 PM	51.8	50.0
12:50 PM - 12:55 PM	51.0	48.4	03:30 PM - 03:35 PM	59.9	50.8	06:10 PM - 06:15 PM	55.1	50.8
12:55 PM - 01:00 PM	51.9	48.9	03:35 PM - 03:40 PM	59.9	52.4	06:15 PM - 06:20 PM	59.3	55.8
01:00 PM - 01:05 PM	56.0	49.8	03:40 PM - 03:45 PM	60.5	50.6	06:20 PM - 06:25 PM	59.6	58.3
01:05 PM - 01:10 PM	52.7	50.2	03:45 PM - 03:50 PM	59.3	53.4	06:25 PM - 06:30 PM	59.6	58.2
01:10 PM - 01:15 PM	53.5	51.0	03:50 PM - 03:55 PM	58.8	53.1	06:30 PM - 06:35 PM	60.0	58.6
01:15 PM - 01:20 PM	54.1	51.1	03:55 PM - 04:00 PM	57.2	53.0	06:35 PM - 06:40 PM	60.3	58.3
01:20 PM - 01:25 PM	55.5	50.8	04:00 PM - 04:05 PM	57.2	52.1	06:40 PM - 06:45 PM	60.1	58.4
01:25 PM - 01:30 PM	54.5	49.8	04:05 PM - 04:10 PM	57.8	51.8	06:45 PM - 06:50 PM	60.1	58.7
01:30 PM - 01:35 PM	57.9	49.8	04:10 PM - 04:15 PM	54.2	48.3	06:50 PM - 06:55 PM	60.2	58.7
01:35 PM - 01:40 PM	54.3	50.1	04:15 PM - 04:20 PM	55.7	49.3	06:55 PM - 07:00 PM	60.3	58.9
01:40 PM - 01:45 PM	58.2	52.8	04:20 PM - 04:25 PM	52.1	49.3	07:00 PM - 07:05 PM	60.5	58.9
01:45 PM - 01:50 PM	57.5	51.8	04:25 PM - 04:30 PM	54.2	50.5	07:05 PM - 07:10 PM	61.2	58.8
01:50 PM - 01:55 PM	53.1	50.3	04:30 PM - 04:35 PM	54.9	50.5	07:10 PM - 07:15 PM	60.6	59.2
01:55 PM - 02:00 PM	53.3	51.2	04:35 PM - 04:40 PM	52.0	50.6	07:15 PM - 07:20 PM	59.9	58.0
02:00 PM - 02:05 PM	53.4	50.5	04:40 PM - 04:45 PM	52.1	50.6	07:20 PM - 07:25 PM	60.2	58.0
02:05 PM - 02:10 PM	53.2	50.9	04:45 PM - 04:50 PM	50.9	49.2	07:25 PM - 07:30 PM	61.0	59.1
02:10 PM - 02:15 PM	53.5	51.2	04:50 PM - 04:55 PM	51.6	50.1	07:30 PM - 07:35 PM	60.7	58.7
02:15 PM - 02:20 PM	52.8	49.8	04:55 PM - 05:00 PM	52.1	50.2	07:35 PM - 07:40 PM	61.2	59.9
02:20 PM - 02:25 PM	52.2	49.1	05:00 PM - 05:05 PM	51.7	50.4	07:40 PM - 07:45 PM	61.2	59.9
02:25 PM - 02:30 PM	50.6	48.3	05:05 PM - 05:10 PM	52.8	51.4	07:45 PM - 07:50 PM	61.9	60.0
02:30 PM - 02:35 PM	50.7	48.4	05:10 PM - 05:15 PM	54.2	51.9	07:50 PM - 07:55 PM	60.8	59.3
02:35 PM - 02:40 PM	52.8	48.8	05:15 PM - 05:20 PM	53.4	51.8	07:55 PM - 08:00 PM	60.4	58.6

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Approved by

Sarayuth Jittrantont  
 Assistant General Manager



## Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230  
P/O : RJN-BW-012/65  
Project Name : Chonburi Bowin  
Project Location :

Lot ID: 22144022  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report Number : 2534250-1

Page 2 of 3

Sample Number 22144022-4  
Parameter Noise Level (Leq 5 min)  
Location N1 : หมู่บ้านบุรพา  
Measurement Date Dec 22 - Dec 23, 2022  
Measurement by Jaradrawee Sriruksa ทะเบียนเลขที่ ๖-323-๖-9483  
Sound Level meter Serial No. 00734225

Dec 22, 2022	Leq	L90	Dec 22 - Dec 23, 2022	Leq	L90	Dec 23, 2022	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
08:00 PM - 08:05 PM	60.1	58.7	10:40 PM - 10:45 PM	60.3	58.4	01:20 AM - 01:25 AM	50.1	47.8
08:05 PM - 08:10 PM	60.4	59.0	10:45 PM - 10:50 PM	59.9	56.7	01:25 AM - 01:30 AM	53.2	48.3
08:10 PM - 08:15 PM	60.5	59.1	10:50 PM - 10:55 PM	59.1	56.4	01:30 AM - 01:35 AM	51.7	47.9
08:15 PM - 08:20 PM	60.2	58.4	10:55 PM - 11:00 PM	59.4	57.4	01:35 AM - 01:40 AM	50.5	48.3
08:20 PM - 08:25 PM	60.6	58.6	11:00 PM - 11:05 PM	58.9	55.0	01:40 AM - 01:45 AM	50.5	47.6
08:25 PM - 08:30 PM	59.9	57.7	11:05 PM - 11:10 PM	59.0	56.6	01:45 AM - 01:50 AM	48.8	47.4
08:30 PM - 08:35 PM	59.8	58.3	11:10 PM - 11:15 PM	59.1	57.0	01:50 AM - 01:55 AM	49.7	48.5
08:35 PM - 08:40 PM	60.0	58.4	11:15 PM - 11:20 PM	59.3	56.5	01:55 AM - 02:00 AM	49.2	48.1
08:40 PM - 08:45 PM	60.2	58.7	11:20 PM - 11:25 PM	59.3	55.9	02:00 AM - 02:05 AM	49.0	48.2
08:45 PM - 08:50 PM	60.1	58.6	11:25 PM - 11:30 PM	59.7	57.3	02:05 AM - 02:10 AM	49.5	48.8
08:50 PM - 08:55 PM	60.1	58.6	11:30 PM - 11:35 PM	59.4	56.9	02:10 AM - 02:15 AM	50.2	49.1
08:55 PM - 09:00 PM	60.5	59.0	11:35 PM - 11:40 PM	59.5	56.9	02:15 AM - 02:20 AM	49.3	48.0
09:00 PM - 09:05 PM	60.6	58.6	11:40 PM - 11:45 PM	59.2	56.4	02:20 AM - 02:25 AM	48.8	47.7
09:05 PM - 09:10 PM	60.6	59.2	11:45 PM - 11:50 PM	59.2	56.5	02:25 AM - 02:30 AM	49.2	47.5
09:10 PM - 09:15 PM	60.5	58.6	11:50 PM - 11:55 PM	59.0	56.2	02:30 AM - 02:35 AM	49.1	47.3
09:15 PM - 09:20 PM	60.8	59.4	11:55 PM - 12:00 AM	59.0	56.1	02:35 AM - 02:40 AM	48.6	47.1
09:20 PM - 09:25 PM	60.8	59.3	12:00 AM - 12:05 AM	57.3	48.5	02:40 AM - 02:45 AM	49.5	47.9
09:25 PM - 09:30 PM	60.4	58.7	12:05 AM - 12:10 AM	54.4	49.1	02:45 AM - 02:50 AM	48.9	47.5
09:30 PM - 09:35 PM	60.5	58.9	12:10 AM - 12:15 AM	54.4	49.1	02:50 AM - 02:55 AM	49.2	47.8
09:35 PM - 09:40 PM	60.5	59.1	12:15 AM - 12:20 AM	54.9	49.4	02:55 AM - 03:00 AM	49.2	48.1
09:40 PM - 09:45 PM	60.5	58.9	12:20 AM - 12:25 AM	54.8	49.8	03:00 AM - 03:05 AM	48.8	47.9
09:45 PM - 09:50 PM	60.4	58.9	12:25 AM - 12:30 AM	49.7	47.8	03:05 AM - 03:10 AM	49.3	48.4
09:50 PM - 09:55 PM	60.1	57.8	12:30 AM - 12:35 AM	51.2	48.9	03:10 AM - 03:15 AM	49.9	48.2
09:55 PM - 10:00 PM	60.3	57.7	12:35 AM - 12:40 AM	51.0	48.7	03:15 AM - 03:20 AM	50.1	48.3
10:00 PM - 10:05 PM	60.4	58.7	12:40 AM - 12:45 AM	51.1	48.7	03:20 AM - 03:25 AM	49.7	48.3
10:05 PM - 10:10 PM	60.3	58.3	12:45 AM - 12:50 AM	51.6	49.2	03:25 AM - 03:30 AM	52.6	48.1
10:10 PM - 10:15 PM	60.6	58.9	12:50 AM - 12:55 AM	50.8	49.1	03:30 AM - 03:35 AM	51.5	48.1
10:15 PM - 10:20 PM	60.7	59.0	12:55 AM - 01:00 AM	51.4	49.4	03:35 AM - 03:40 AM	51.7	48.6
10:20 PM - 10:25 PM	60.7	58.9	01:00 AM - 01:05 AM	50.1	48.6	03:40 AM - 03:45 AM	50.3	48.1
10:25 PM - 10:30 PM	60.7	58.9	01:05 AM - 01:10 AM	50.3	47.8	03:45 AM - 03:50 AM	51.8	48.8
10:30 PM - 10:35 PM	60.5	58.6	01:10 AM - 01:15 AM	50.1	48.0	03:50 AM - 03:55 AM	52.4	48.9
10:35 PM - 10:40 PM	60.6	58.8	01:15 AM - 01:20 AM	50.6	48.7	03:55 AM - 04:00 AM	51.3	48.4

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Approved by

Sarayuth Jittrantont  
Assistant General Manager



## Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230  
P/O : RJN-BW-012/65  
Project Name : Chonburi Bowin  
Project Location :

Lot ID: 22144022  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report Number : 2534250-1

Page 3 of 3

Sample Number 22144022-4  
Parameter Noise Level (Leq 5 min)  
Location N1 : หมู่บ้านบุรพา  
Measurement Date Dec 22 - Dec 23, 2022  
Measurement by Jaradrawee Sriuksa ทะเบียนเลขที่ ๖-323-๖-9483  
Sound Level meter Serial No. 00734225

Dec 23, 2022 Time	Leq dB(A)	L90 dB(A)	Dec 23, 2022 Time	Leq dB(A)	L90 dB(A)	Dec 23, 2022 Time	Leq dB(A)	L90 dB(A)
04:00 AM - 04:05 AM	50.0	48.1	06:40 AM - 06:45 AM	61.7	52.9	09:20 AM - 09:25 AM	48.6	46.7
04:05 AM - 04:10 AM	54.8	49.1	06:45 AM - 06:50 AM	54.9	52.2	09:25 AM - 09:30 AM	48.0	46.8
04:10 AM - 04:15 AM	57.3	48.4	06:50 AM - 06:55 AM	56.7	52.3	09:30 AM - 09:35 AM	48.8	47.3
04:15 AM - 04:20 AM	57.5	49.0	06:55 AM - 07:00 AM	60.4	52.3	09:35 AM - 09:40 AM	49.6	48.0
04:20 AM - 04:25 AM	56.7	49.0	07:00 AM - 07:05 AM	64.4	51.9	09:40 AM - 09:45 AM	77.5	51.5
04:25 AM - 04:30 AM	53.3	49.6	07:05 AM - 07:10 AM	57.7	52.4	09:45 AM - 09:50 AM	72.4	63.4
04:30 AM - 04:35 AM	51.2	50.0	07:10 AM - 07:15 AM	56.4	51.7	09:50 AM - 09:55 AM	66.7	49.1
04:35 AM - 04:40 AM	51.7	49.7	07:15 AM - 07:20 AM	58.7	51.8	09:55 AM - 10:00 AM	49.6	47.9
04:40 AM - 04:45 AM	51.8	50.1	07:20 AM - 07:25 AM	53.1	51.7	10:00 AM - 10:05 AM	50.2	48.2
04:45 AM - 04:50 AM	54.5	50.4	07:25 AM - 07:30 AM	53.1	51.8	10:05 AM - 10:10 AM	54.6	48.3
04:50 AM - 04:55 AM	56.1	50.3	07:30 AM - 07:35 AM	54.5	52.8	10:10 AM - 10:15 AM	54.0	48.6
04:55 AM - 05:00 AM	56.8	49.6	07:35 AM - 07:40 AM	54.9	52.0	10:15 AM - 10:20 AM	49.2	48.1
05:00 AM - 05:05 AM	56.0	50.8	07:40 AM - 07:45 AM	55.4	51.9	10:20 AM - 10:25 AM	53.8	48.0
05:05 AM - 05:10 AM	55.1	50.3	07:45 AM - 07:50 AM	68.3	50.7	10:25 AM - 10:30 AM	50.9	48.6
05:10 AM - 05:15 AM	56.5	51.4	07:50 AM - 07:55 AM	68.7	49.9	10:30 AM - 10:35 AM	53.7	50.1
05:15 AM - 05:20 AM	57.5	51.0	07:55 AM - 08:00 AM	56.4	49.1	10:35 AM - 10:40 AM	53.0	50.1
05:20 AM - 05:25 AM	57.4	51.6	08:00 AM - 08:05 AM	48.9	48.1	10:40 AM - 10:45 AM	54.6	50.1
05:25 AM - 05:30 AM	57.3	51.5	08:05 AM - 08:10 AM	48.6	48.0	10:45 AM - 10:50 AM	53.0	49.5
05:30 AM - 05:35 AM	57.1	51.8	08:10 AM - 08:15 AM	58.9	48.1	10:50 AM - 10:55 AM	52.5	49.3
05:35 AM - 05:40 AM	57.0	51.8	08:15 AM - 08:20 AM	55.9	47.6	10:55 AM - 11:00 AM	52.6	49.2
05:40 AM - 05:45 AM	56.4	51.4	08:20 AM - 08:25 AM	51.8	47.3	11:00 AM - 11:05 AM	49.2	47.3
05:45 AM - 05:50 AM	54.0	51.5	08:25 AM - 08:30 AM	52.1	47.3	11:05 AM - 11:10 AM	49.8	47.9
05:50 AM - 05:55 AM	53.5	51.0	08:30 AM - 08:35 AM	48.1	46.9	11:10 AM - 11:15 AM	51.8	50.2
05:55 AM - 06:00 AM	55.1	51.8	08:35 AM - 08:40 AM	53.9	47.0	11:15 AM - 11:20 AM	53.8	51.2
06:00 AM - 06:05 AM	55.4	51.1	08:40 AM - 08:45 AM	58.8	47.3	11:20 AM - 11:25 AM	54.8	51.3
06:05 AM - 06:10 AM	56.0	51.5	08:45 AM - 08:50 AM	55.4	47.0	11:25 AM - 11:30 AM	55.5	51.2
06:10 AM - 06:15 AM	57.5	51.2	08:50 AM - 08:55 AM	53.7	47.1	11:30 AM - 11:35 AM	53.4	50.7
06:15 AM - 06:20 AM	57.5	51.7	08:55 AM - 09:00 AM	54.2	47.3	11:35 AM - 11:40 AM	52.2	49.9
06:20 AM - 06:25 AM	55.5	51.0	09:00 AM - 09:05 AM	54.0	47.3	11:40 AM - 11:45 AM	55.2	50.8
06:25 AM - 06:30 AM	54.4	51.4	09:05 AM - 09:10 AM	70.0	47.2	11:45 AM - 11:50 AM	56.5	49.3
06:30 AM - 06:35 AM	53.6	52.1	09:10 AM - 09:15 AM	64.0	47.2	11:50 AM - 11:55 AM	57.3	47.2
06:35 AM - 06:40 AM	55.5	52.6	09:15 AM - 09:20 AM	54.2	47.0	11:55 AM - 12:00 PM	54.7	47.3

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Approved by

Sarayuth Jittrantont  
Assistant General Manager





## Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230  
P/O : RJN-BW-012/65  
Project Name : Chonburi Bowin  
Project Location :

Lot ID: 22144022  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report Number : 2534251-1

Page 1 of 3

Sample Number 22144022-5  
Parameter Noise Level (Leq 5 min)  
Location N1 : หมู่บ้านบุรพา  
Measurement Date Dec 23 - Dec 24, 2022  
Measurement by Jaradrawee Sriuksa ทะเบียนเลขที่ ว-323-จ-9483  
Sound Level meter Serial No. 00734225

Dec 23, 2022 Time	Leq dB(A)	L90 dB(A)	Dec 23, 2022 Time	Leq dB(A)	L90 dB(A)	Dec 23, 2022 Time	Leq dB(A)	L90 dB(A)
12:00 PM - 12:05 PM	51.2	46.7	02:40 PM - 02:45 PM	55.7	50.0	05:20 PM - 05:25 PM	53.5	52.1
12:05 PM - 12:10 PM	47.0	46.2	02:45 PM - 02:50 PM	54.2	49.8	05:25 PM - 05:30 PM	54.3	52.2
12:10 PM - 12:15 PM	48.0	46.2	02:50 PM - 02:55 PM	50.5	47.4	05:30 PM - 05:35 PM	54.2	53.0
12:15 PM - 12:20 PM	46.6	45.6	02:55 PM - 03:00 PM	53.9	49.5	05:35 PM - 05:40 PM	54.7	52.6
12:20 PM - 12:25 PM	48.0	45.3	03:00 PM - 03:05 PM	53.5	49.3	05:40 PM - 05:45 PM	58.2	52.8
12:25 PM - 12:30 PM	48.1	46.2	03:05 PM - 03:10 PM	53.4	51.0	05:45 PM - 05:50 PM	54.9	52.9
12:30 PM - 12:35 PM	48.6	47.2	03:10 PM - 03:15 PM	53.4	50.8	05:50 PM - 05:55 PM	54.0	52.7
12:35 PM - 12:40 PM	48.6	47.2	03:15 PM - 03:20 PM	53.8	49.6	05:55 PM - 06:00 PM	54.3	52.7
12:40 PM - 12:45 PM	48.9	46.3	03:20 PM - 03:25 PM	55.0	51.1	06:00 PM - 06:05 PM	55.5	52.7
12:45 PM - 12:50 PM	48.3	45.9	03:25 PM - 03:30 PM	52.5	49.4	06:05 PM - 06:10 PM	55.5	52.8
12:50 PM - 12:55 PM	53.8	47.9	03:30 PM - 03:35 PM	53.1	48.7	06:10 PM - 06:15 PM	53.7	52.4
12:55 PM - 01:00 PM	48.8	47.2	03:35 PM - 03:40 PM	53.0	49.9	06:15 PM - 06:20 PM	53.6	51.9
01:00 PM - 01:05 PM	50.9	49.1	03:40 PM - 03:45 PM	60.0	51.4	06:20 PM - 06:25 PM	55.8	54.5
01:05 PM - 01:10 PM	51.1	48.4	03:45 PM - 03:50 PM	52.2	49.7	06:25 PM - 06:30 PM	55.9	55.0
01:10 PM - 01:15 PM	54.4	48.6	03:50 PM - 03:55 PM	53.5	48.9	06:30 PM - 06:35 PM	56.9	54.7
01:15 PM - 01:20 PM	56.7	50.4	03:55 PM - 04:00 PM	56.1	49.2	06:35 PM - 06:40 PM	55.8	54.5
01:20 PM - 01:25 PM	54.0	49.2	04:00 PM - 04:05 PM	51.9	49.7	06:40 PM - 06:45 PM	55.7	54.6
01:25 PM - 01:30 PM	50.2	47.4	04:05 PM - 04:10 PM	51.9	49.4	06:45 PM - 06:50 PM	55.6	54.5
01:30 PM - 01:35 PM	50.5	48.5	04:10 PM - 04:15 PM	50.8	49.7	06:50 PM - 06:55 PM	55.2	54.2
01:35 PM - 01:40 PM	50.1	47.6	04:15 PM - 04:20 PM	53.5	50.3	06:55 PM - 07:00 PM	55.5	54.5
01:40 PM - 01:45 PM	60.9	47.6	04:20 PM - 04:25 PM	54.6	51.4	07:00 PM - 07:05 PM	55.1	54.1
01:45 PM - 01:50 PM	51.9	49.0	04:25 PM - 04:30 PM	53.5	51.6	07:05 PM - 07:10 PM	55.7	54.3
01:50 PM - 01:55 PM	50.6	47.2	04:30 PM - 04:35 PM	53.5	51.4	07:10 PM - 07:15 PM	54.6	53.5
01:55 PM - 02:00 PM	53.4	47.1	04:35 PM - 04:40 PM	54.1	51.8	07:15 PM - 07:20 PM	56.6	54.2
02:00 PM - 02:05 PM	54.9	49.2	04:40 PM - 04:45 PM	54.3	52.5	07:20 PM - 07:25 PM	56.8	54.0
02:05 PM - 02:10 PM	52.8	48.9	04:45 PM - 04:50 PM	54.6	52.8	07:25 PM - 07:30 PM	55.3	54.1
02:10 PM - 02:15 PM	52.5	48.0	04:50 PM - 04:55 PM	58.5	52.1	07:30 PM - 07:35 PM	55.4	53.8
02:15 PM - 02:20 PM	51.7	49.0	04:55 PM - 05:00 PM	53.9	51.8	07:35 PM - 07:40 PM	55.2	54.1
02:20 PM - 02:25 PM	52.6	49.2	05:00 PM - 05:05 PM	53.5	51.8	07:40 PM - 07:45 PM	54.5	53.6
02:25 PM - 02:30 PM	57.8	49.7	05:05 PM - 05:10 PM	54.0	52.4	07:45 PM - 07:50 PM	55.1	53.8
02:30 PM - 02:35 PM	55.8	50.5	05:10 PM - 05:15 PM	53.7	51.9	07:50 PM - 07:55 PM	54.7	53.7
02:35 PM - 02:40 PM	54.9	50.9	05:15 PM - 05:20 PM	57.2	52.7	07:55 PM - 08:00 PM	54.5	53.4

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Approved by

Sarayuth Jittrantont  
Assistant General Manager



## Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230  
P/O : RJN-BW-012/65  
Project Name : Chonburi Bowin  
Project Location :

Lot ID: 22144022  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report Number : 2534251-1

Page 2 of 3

Sample Number 22144022-5  
Parameter Noise Level (Leq 5 min)  
Location N1 : หมู่บ้านบุรพา  
Measurement Date Dec 23 - Dec 24, 2022  
Measurement by Jaradrawee Sriuksa ทะเบียนเลขที่ ๖-323-๖-9483  
Sound Level meter Serial No. 00734225

Dec 23, 2022	Leq	L90	Dec 23 - Dec 24, 2022	Leq	L90	Dec 24, 2022	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
08:00 PM - 08:05 PM	54.9	53.3	10:40 PM - 10:45 PM	51.8	50.3	01:20 AM - 01:25 AM	50.8	49.9
08:05 PM - 08:10 PM	54.6	53.5	10:45 PM - 10:50 PM	51.1	50.0	01:25 AM - 01:30 AM	51.3	50.1
08:10 PM - 08:15 PM	55.0	53.4	10:50 PM - 10:55 PM	52.4	50.7	01:30 AM - 01:35 AM	50.5	49.6
08:15 PM - 08:20 PM	54.8	53.6	10:55 PM - 11:00 PM	51.8	50.3	01:35 AM - 01:40 AM	50.2	49.3
08:20 PM - 08:25 PM	54.9	53.7	11:00 PM - 11:05 PM	52.3	50.7	01:40 AM - 01:45 AM	50.7	49.8
08:25 PM - 08:30 PM	54.9	53.5	11:05 PM - 11:10 PM	53.2	50.4	01:45 AM - 01:50 AM	51.8	50.2
08:30 PM - 08:35 PM	54.4	52.9	11:10 PM - 11:15 PM	52.5	51.6	01:50 AM - 01:55 AM	51.4	49.9
08:35 PM - 08:40 PM	53.1	51.8	11:15 PM - 11:20 PM	52.3	50.8	01:55 AM - 02:00 AM	50.7	49.3
08:40 PM - 08:45 PM	53.4	51.5	11:20 PM - 11:25 PM	51.8	50.0	02:00 AM - 02:05 AM	50.9	49.4
08:45 PM - 08:50 PM	52.4	51.0	11:25 PM - 11:30 PM	51.7	49.5	02:05 AM - 02:10 AM	50.9	49.7
08:50 PM - 08:55 PM	52.7	51.6	11:30 PM - 11:35 PM	51.0	49.7	02:10 AM - 02:15 AM	50.8	49.6
08:55 PM - 09:00 PM	52.6	51.2	11:35 PM - 11:40 PM	51.7	49.7	02:15 AM - 02:20 AM	50.3	49.3
09:00 PM - 09:05 PM	52.6	51.3	11:40 PM - 11:45 PM	51.7	49.8	02:20 AM - 02:25 AM	50.5	49.2
09:05 PM - 09:10 PM	53.6	52.0	11:45 PM - 11:50 PM	51.0	49.4	02:25 AM - 02:30 AM	50.2	49.3
09:10 PM - 09:15 PM	52.8	51.6	11:50 PM - 11:55 PM	50.9	49.7	02:30 AM - 02:35 AM	50.2	49.2
09:15 PM - 09:20 PM	53.1	51.6	11:55 PM - 12:00 AM	51.2	49.7	02:35 AM - 02:40 AM	50.8	49.3
09:20 PM - 09:25 PM	52.8	51.2	12:00 AM - 12:05 AM	52.9	49.9	02:40 AM - 02:45 AM	50.6	49.4
09:25 PM - 09:30 PM	53.4	52.0	12:05 AM - 12:10 AM	53.0	49.9	02:45 AM - 02:50 AM	50.7	49.6
09:30 PM - 09:35 PM	53.1	51.8	12:10 AM - 12:15 AM	53.1	50.1	02:50 AM - 02:55 AM	53.6	48.9
09:35 PM - 09:40 PM	54.6	52.1	12:15 AM - 12:20 AM	51.5	50.1	02:55 AM - 03:00 AM	53.3	48.8
09:40 PM - 09:45 PM	52.8	51.4	12:20 AM - 12:25 AM	51.9	49.6	03:00 AM - 03:05 AM	49.7	48.6
09:45 PM - 09:50 PM	54.5	51.9	12:25 AM - 12:30 AM	52.3	49.9	03:05 AM - 03:10 AM	49.8	48.6
09:50 PM - 09:55 PM	52.6	51.0	12:30 AM - 12:35 AM	52.2	50.3	03:10 AM - 03:15 AM	50.1	48.8
09:55 PM - 10:00 PM	53.2	51.6	12:35 AM - 12:40 AM	50.8	49.7	03:15 AM - 03:20 AM	49.9	49.0
10:00 PM - 10:05 PM	52.6	51.5	12:40 AM - 12:45 AM	50.9	49.7	03:20 AM - 03:25 AM	50.7	49.1
10:05 PM - 10:10 PM	52.0	51.3	12:45 AM - 12:50 AM	51.5	49.5	03:25 AM - 03:30 AM	50.8	49.9
10:10 PM - 10:15 PM	52.5	51.5	12:50 AM - 12:55 AM	51.6	50.0	03:30 AM - 03:35 AM	50.8	48.6
10:15 PM - 10:20 PM	52.4	51.4	12:55 AM - 01:00 AM	51.0	50.1	03:35 AM - 03:40 AM	50.5	48.9
10:20 PM - 10:25 PM	52.7	51.6	01:00 AM - 01:05 AM	51.0	50.0	03:40 AM - 03:45 AM	55.1	49.2
10:25 PM - 10:30 PM	52.0	51.0	01:05 AM - 01:10 AM	51.4	50.6	03:45 AM - 03:50 AM	54.7	49.3
10:30 PM - 10:35 PM	52.0	50.5	01:10 AM - 01:15 AM	50.5	49.9	03:50 AM - 03:55 AM	55.0	48.8
10:35 PM - 10:40 PM	51.4	50.5	01:15 AM - 01:20 AM	52.0	49.5	03:55 AM - 04:00 AM	52.6	48.7

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Approved by

Sarayuth Jittrantont  
Assistant General Manager



## Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230  
P/O : RJN-BW-012/65  
Project Name : Chonburi Bowin  
Project Location :

Lot ID: 22144022  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report Number : 2534251-1

Page 3 of 3

Sample Number 22144022-5  
Parameter Noise Level (Leq 5 min)  
Location N1 : หมู่บ้านบุรพา  
Measurement Date Dec 23 - Dec 24, 2022  
Measurement by Jaradrawee Sriuksa ทะเบียนเลขที่ ๖-323-๖-9483  
Sound Level meter Serial No. 00734225

Dec 24, 2022 Time	Leq dB(A)	L90 dB(A)	Dec 24, 2022 Time	Leq dB(A)	L90 dB(A)	Dec 24, 2022 Time	Leq dB(A)	L90 dB(A)
04:00 AM - 04:05 AM	52.6	48.9	06:40 AM - 06:45 AM	56.0	52.2	09:20 AM - 09:25 AM	58.9	53.0
04:05 AM - 04:10 AM	50.9	49.2	06:45 AM - 06:50 AM	59.6	52.2	09:25 AM - 09:30 AM	56.8	52.4
04:10 AM - 04:15 AM	53.0	49.4	06:50 AM - 06:55 AM	60.1	52.5	09:30 AM - 09:35 AM	53.2	51.8
04:15 AM - 04:20 AM	52.1	49.1	06:55 AM - 07:00 AM	54.1	52.2	09:35 AM - 09:40 AM	54.0	51.9
04:20 AM - 04:25 AM	51.1	49.7	07:00 AM - 07:05 AM	54.4	52.8	09:40 AM - 09:45 AM	57.3	52.6
04:25 AM - 04:30 AM	50.9	49.6	07:05 AM - 07:10 AM	68.7	52.6	09:45 AM - 09:50 AM	57.6	52.8
04:30 AM - 04:35 AM	51.0	49.6	07:10 AM - 07:15 AM	64.3	52.4	09:50 AM - 09:55 AM	60.3	53.6
04:35 AM - 04:40 AM	52.0	50.1	07:15 AM - 07:20 AM	63.9	52.5	09:55 AM - 10:00 AM	55.7	53.0
04:40 AM - 04:45 AM	51.8	50.4	07:20 AM - 07:25 AM	65.5	52.6	10:00 AM - 10:05 AM	55.6	53.4
04:45 AM - 04:50 AM	53.9	49.6	07:25 AM - 07:30 AM	55.3	52.8	10:05 AM - 10:10 AM	55.4	53.6
04:50 AM - 04:55 AM	56.3	50.0	07:30 AM - 07:35 AM	56.0	52.6	10:10 AM - 10:15 AM	57.7	54.1
04:55 AM - 05:00 AM	55.8	50.5	07:35 AM - 07:40 AM	57.7	52.3	10:15 AM - 10:20 AM	55.1	53.5
05:00 AM - 05:05 AM	54.4	49.9	07:40 AM - 07:45 AM	60.7	52.6	10:20 AM - 10:25 AM	55.3	53.3
05:05 AM - 05:10 AM	52.9	49.9	07:45 AM - 07:50 AM	61.7	52.0	10:25 AM - 10:30 AM	54.3	52.3
05:10 AM - 05:15 AM	53.6	50.0	07:50 AM - 07:55 AM	58.3	51.4	10:30 AM - 10:35 AM	55.6	53.0
05:15 AM - 05:20 AM	54.9	51.0	07:55 AM - 08:00 AM	55.8	51.8	10:35 AM - 10:40 AM	59.7	52.9
05:20 AM - 05:25 AM	54.6	51.2	08:00 AM - 08:05 AM	54.7	51.7	10:40 AM - 10:45 AM	56.1	52.9
05:25 AM - 05:30 AM	54.0	50.4	08:05 AM - 08:10 AM	56.6	52.2	10:45 AM - 10:50 AM	55.4	53.3
05:30 AM - 05:35 AM	52.1	50.5	08:10 AM - 08:15 AM	54.9	52.3	10:50 AM - 10:55 AM	56.9	53.4
05:35 AM - 05:40 AM	52.2	50.9	08:15 AM - 08:20 AM	53.9	51.7	10:55 AM - 11:00 AM	55.3	53.2
05:40 AM - 05:45 AM	53.7	50.6	08:20 AM - 08:25 AM	53.9	52.1	11:00 AM - 11:05 AM	55.9	53.8
05:45 AM - 05:50 AM	52.8	51.1	08:25 AM - 08:30 AM	55.0	52.5	11:05 AM - 11:10 AM	55.9	53.4
05:50 AM - 05:55 AM	53.1	51.5	08:30 AM - 08:35 AM	55.6	51.8	11:10 AM - 11:15 AM	55.5	53.5
05:55 AM - 06:00 AM	52.1	51.0	08:35 AM - 08:40 AM	73.4	51.9	11:15 AM - 11:20 AM	55.1	53.1
06:00 AM - 06:05 AM	52.5	51.1	08:40 AM - 08:45 AM	54.5	52.1	11:20 AM - 11:25 AM	55.9	53.4
06:05 AM - 06:10 AM	58.6	51.2	08:45 AM - 08:50 AM	54.5	52.0	11:25 AM - 11:30 AM	56.6	54.1
06:10 AM - 06:15 AM	57.9	52.1	08:50 AM - 08:55 AM	53.3	52.0	11:30 AM - 11:35 AM	60.3	53.7
06:15 AM - 06:20 AM	57.6	51.9	08:55 AM - 09:00 AM	54.0	52.2	11:35 AM - 11:40 AM	55.4	53.6
06:20 AM - 06:25 AM	55.7	51.8	09:00 AM - 09:05 AM	55.3	52.0	11:40 AM - 11:45 AM	56.5	53.7
06:25 AM - 06:30 AM	53.5	52.1	09:05 AM - 09:10 AM	57.1	52.6	11:45 AM - 11:50 AM	56.8	53.3
06:30 AM - 06:35 AM	54.2	52.0	09:10 AM - 09:15 AM	58.0	53.0	11:50 AM - 11:55 AM	55.7	52.9
06:35 AM - 06:40 AM	55.4	52.5	09:15 AM - 09:20 AM	60.1	53.6	11:55 AM - 12:00 PM	56.2	51.3

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Approved by

Sarayuth Jittrantont  
Assistant General Manager



## Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230  
P/O : RJN-BW-012/65  
Project Name : Chonburi Bowin  
Project Location :

Lot ID: 22144022  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report Number : 2534252-1

Page 1 of 3

Sample Number 22144022-6  
Parameter Noise Level (Leq 5 min)  
Location N1 : หมู่บ้านบุรพา  
Measurement Date Dec 24 - Dec 25, 2022  
Measurement by Jaradrawee Sriuksa ทะเบียนเลขที่ ว-323-จ-9483  
Sound Level meter Serial No. 00734225

Dec 24, 2022	Leq	L90	Dec 24, 2022	Leq	L90	Dec 24, 2022	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
12:00 PM - 12:05 PM	51.8	50.3	02:40 PM - 02:45 PM	54.6	51.6	05:20 PM - 05:25 PM	60.7	50.6
12:05 PM - 12:10 PM	53.4	50.6	02:45 PM - 02:50 PM	57.5	52.9	05:25 PM - 05:30 PM	60.1	51.8
12:10 PM - 12:15 PM	52.1	49.8	02:50 PM - 02:55 PM	60.7	52.9	05:30 PM - 05:35 PM	52.6	51.4
12:15 PM - 12:20 PM	52.0	50.4	02:55 PM - 03:00 PM	60.1	52.2	05:35 PM - 05:40 PM	52.1	50.7
12:20 PM - 12:25 PM	53.0	50.4	03:00 PM - 03:05 PM	58.8	52.1	05:40 PM - 05:45 PM	51.8	50.4
12:25 PM - 12:30 PM	52.2	50.1	03:05 PM - 03:10 PM	56.9	51.9	05:45 PM - 05:50 PM	51.5	50.2
12:30 PM - 12:35 PM	54.4	49.6	03:10 PM - 03:15 PM	56.2	50.6	05:50 PM - 05:55 PM	52.0	50.1
12:35 PM - 12:40 PM	54.5	50.5	03:15 PM - 03:20 PM	58.2	51.8	05:55 PM - 06:00 PM	52.1	50.6
12:40 PM - 12:45 PM	56.6	48.4	03:20 PM - 03:25 PM	54.5	51.4	06:00 PM - 06:05 PM	50.8	49.4
12:45 PM - 12:50 PM	56.8	51.5	03:25 PM - 03:30 PM	54.7	51.5	06:05 PM - 06:10 PM	50.7	49.3
12:50 PM - 12:55 PM	56.8	50.1	03:30 PM - 03:35 PM	55.4	52.1	06:10 PM - 06:15 PM	52.0	50.1
12:55 PM - 01:00 PM	53.0	49.8	03:35 PM - 03:40 PM	56.7	52.9	06:15 PM - 06:20 PM	51.1	49.7
01:00 PM - 01:05 PM	57.2	50.1	03:40 PM - 03:45 PM	53.0	50.6	06:20 PM - 06:25 PM	54.5	49.8
01:05 PM - 01:10 PM	63.1	51.1	03:45 PM - 03:50 PM	54.4	50.1	06:25 PM - 06:30 PM	58.1	50.7
01:10 PM - 01:15 PM	51.8	49.9	03:50 PM - 03:55 PM	62.4	51.8	06:30 PM - 06:35 PM	59.7	58.2
01:15 PM - 01:20 PM	52.8	49.7	03:55 PM - 04:00 PM	56.4	49.9	06:35 PM - 06:40 PM	60.1	58.0
01:20 PM - 01:25 PM	60.1	50.3	04:00 PM - 04:05 PM	52.2	49.9	06:40 PM - 06:45 PM	59.3	57.7
01:25 PM - 01:30 PM	60.6	51.0	04:05 PM - 04:10 PM	52.2	50.1	06:45 PM - 06:50 PM	59.4	57.8
01:30 PM - 01:35 PM	53.2	49.7	04:10 PM - 04:15 PM	60.7	49.9	06:50 PM - 06:55 PM	59.3	57.7
01:35 PM - 01:40 PM	52.2	48.8	04:15 PM - 04:20 PM	50.6	48.6	06:55 PM - 07:00 PM	59.0	57.3
01:40 PM - 01:45 PM	51.4	49.5	04:20 PM - 04:25 PM	55.8	52.4	07:00 PM - 07:05 PM	55.4	53.3
01:45 PM - 01:50 PM	51.6	49.4	04:25 PM - 04:30 PM	54.7	51.9	07:05 PM - 07:10 PM	55.1	53.7
01:50 PM - 01:55 PM	50.6	48.6	04:30 PM - 04:35 PM	52.9	50.5	07:10 PM - 07:15 PM	55.7	53.8
01:55 PM - 02:00 PM	52.0	49.6	04:35 PM - 04:40 PM	53.6	50.8	07:15 PM - 07:20 PM	54.9	53.5
02:00 PM - 02:05 PM	53.1	50.7	04:40 PM - 04:45 PM	53.8	52.0	07:20 PM - 07:25 PM	54.6	53.4
02:05 PM - 02:10 PM	53.7	49.3	04:45 PM - 04:50 PM	53.4	51.2	07:25 PM - 07:30 PM	54.7	53.5
02:10 PM - 02:15 PM	53.5	50.3	04:50 PM - 04:55 PM	52.0	49.7	07:30 PM - 07:35 PM	59.3	54.7
02:15 PM - 02:20 PM	57.0	50.8	04:55 PM - 05:00 PM	54.7	52.1	07:35 PM - 07:40 PM	59.5	57.7
02:20 PM - 02:25 PM	53.8	51.5	05:00 PM - 05:05 PM	52.5	50.9	07:40 PM - 07:45 PM	59.3	57.7
02:25 PM - 02:30 PM	54.4	51.1	05:05 PM - 05:10 PM	59.5	52.0	07:45 PM - 07:50 PM	59.0	56.4
02:30 PM - 02:35 PM	53.8	50.8	05:10 PM - 05:15 PM	57.1	52.0	07:50 PM - 07:55 PM	54.3	49.7
02:35 PM - 02:40 PM	57.9	52.3	05:15 PM - 05:20 PM	61.4	51.8	07:55 PM - 08:00 PM	55.0	50.7

Approved by

Sarayuth Jitranont  
Assistant General Manager

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## Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230  
P/O : RJN-BW-012/65  
Project Name : Chonburi Bowin  
Project Location :

Lot ID: 22144022  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report Number : 2534252-1

Page 2 of 3

Sample Number 22144022-6  
Parameter Noise Level (Leq 5 min)  
Location N1 : หมู่บ้านบุรพา  
Measurement Date Dec 24 - Dec 25, 2022  
Measurement by Jaradrawee Sriuksa ทะเบียนเลขที่ ๖-323-๖-9483  
Sound Level meter Serial No. 00734225

Dec 24, 2022	Leq	L90	Dec 24 - Dec 25, 2022	Leq	L90	Dec 25, 2022	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
08:00 PM - 08:05 PM	55.8	53.4	10:40 PM - 10:45 PM	49.8	48.6	01:20 AM - 01:25 AM	51.4	50.1
08:05 PM - 08:10 PM	54.6	51.0	10:45 PM - 10:50 PM	50.5	49.0	01:25 AM - 01:30 AM	51.1	50.0
08:10 PM - 08:15 PM	51.8	50.4	10:50 PM - 10:55 PM	50.9	49.1	01:30 AM - 01:35 AM	51.8	50.1
08:15 PM - 08:20 PM	53.0	50.4	10:55 PM - 11:00 PM	51.8	50.0	01:35 AM - 01:40 AM	51.2	49.7
08:20 PM - 08:25 PM	52.8	50.7	11:00 PM - 11:05 PM	51.6	50.0	01:40 AM - 01:45 AM	51.7	50.4
08:25 PM - 08:30 PM	53.3	50.6	11:05 PM - 11:10 PM	51.9	50.1	01:45 AM - 01:50 AM	50.5	49.4
08:30 PM - 08:35 PM	53.6	50.8	11:10 PM - 11:15 PM	52.4	50.4	01:50 AM - 01:55 AM	51.3	49.9
08:35 PM - 08:40 PM	52.2	50.6	11:15 PM - 11:20 PM	52.8	51.0	01:55 AM - 02:00 AM	50.8	49.5
08:40 PM - 08:45 PM	52.6	51.4	11:20 PM - 11:25 PM	54.2	50.7	02:00 AM - 02:05 AM	51.8	50.2
08:45 PM - 08:50 PM	52.7	51.1	11:25 PM - 11:30 PM	52.8	50.9	02:05 AM - 02:10 AM	51.7	50.0
08:50 PM - 08:55 PM	52.6	50.4	11:30 PM - 11:35 PM	52.7	50.6	02:10 AM - 02:15 AM	51.8	49.8
08:55 PM - 09:00 PM	52.4	50.2	11:35 PM - 11:40 PM	52.9	50.8	02:15 AM - 02:20 AM	50.7	49.1
09:00 PM - 09:05 PM	51.9	50.4	11:40 PM - 11:45 PM	50.8	49.4	02:20 AM - 02:25 AM	50.7	49.6
09:05 PM - 09:10 PM	51.7	49.2	11:45 PM - 11:50 PM	51.4	50.2	02:25 AM - 02:30 AM	51.2	49.4
09:10 PM - 09:15 PM	52.7	49.8	11:50 PM - 11:55 PM	52.2	50.9	02:30 AM - 02:35 AM	50.9	49.7
09:15 PM - 09:20 PM	51.1	49.5	11:55 PM - 12:00 AM	51.4	50.2	02:35 AM - 02:40 AM	50.2	49.1
09:20 PM - 09:25 PM	52.0	50.0	12:00 AM - 12:05 AM	51.9	50.5	02:40 AM - 02:45 AM	50.7	48.5
09:25 PM - 09:30 PM	51.3	49.6	12:05 AM - 12:10 AM	52.2	50.6	02:45 AM - 02:50 AM	49.5	48.4
09:30 PM - 09:35 PM	50.3	49.1	12:10 AM - 12:15 AM	51.8	50.2	02:50 AM - 02:55 AM	49.9	48.2
09:35 PM - 09:40 PM	51.4	49.3	12:15 AM - 12:20 AM	54.6	50.3	02:55 AM - 03:00 AM	49.8	48.4
09:40 PM - 09:45 PM	51.3	48.4	12:20 AM - 12:25 AM	52.7	50.7	03:00 AM - 03:05 AM	49.6	48.5
09:45 PM - 09:50 PM	51.5	49.7	12:25 AM - 12:30 AM	55.0	50.2	03:05 AM - 03:10 AM	49.5	48.3
09:50 PM - 09:55 PM	53.4	49.3	12:30 AM - 12:35 AM	52.5	51.0	03:10 AM - 03:15 AM	49.4	48.2
09:55 PM - 10:00 PM	51.1	49.7	12:35 AM - 12:40 AM	53.8	50.4	03:15 AM - 03:20 AM	49.7	48.4
10:00 PM - 10:05 PM	50.9	49.1	12:40 AM - 12:45 AM	52.1	50.4	03:20 AM - 03:25 AM	49.5	48.2
10:05 PM - 10:10 PM	51.7	49.5	12:45 AM - 12:50 AM	52.1	50.3	03:25 AM - 03:30 AM	49.3	48.2
10:10 PM - 10:15 PM	52.9	49.9	12:50 AM - 12:55 AM	52.3	50.0	03:30 AM - 03:35 AM	59.3	47.9
10:15 PM - 10:20 PM	51.0	49.0	12:55 AM - 01:00 AM	51.0	50.0	03:35 AM - 03:40 AM	58.9	47.9
10:20 PM - 10:25 PM	51.5	49.7	01:00 AM - 01:05 AM	51.5	50.1	03:40 AM - 03:45 AM	52.1	48.2
10:25 PM - 10:30 PM	50.1	48.6	01:05 AM - 01:10 AM	51.4	50.2	03:45 AM - 03:50 AM	49.5	47.9
10:30 PM - 10:35 PM	51.1	49.6	01:10 AM - 01:15 AM	51.4	50.3	03:50 AM - 03:55 AM	49.2	47.9
10:35 PM - 10:40 PM	51.8	49.1	01:15 AM - 01:20 AM	51.5	50.2	03:55 AM - 04:00 AM	49.5	48.4

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Sarayuth Jitranont  
Assistant General Manager



## Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230  
P/O : RJN-BW-012/65  
Project Name : Chonburi Bowin  
Project Location :

Lot ID: 22144022  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report Number : 2534252-1

Page 3 of 3

Sample Number 22144022-6  
Parameter Noise Level (Leq 5 min)  
Location N1 : หมู่บ้านบุรพา  
Measurement Date Dec 24 - Dec 25, 2022  
Measurement by Jaradrawee Sriuksa ทะเบียนเลขที่ ๖-323-๖-9483  
Sound Level meter Serial No. 00734225

Dec 25, 2022 Time	Leq dB(A)	L90 dB(A)	Dec 25, 2022 Time	Leq dB(A)	L90 dB(A)	Dec 25, 2022 Time	Leq dB(A)	L90 dB(A)
04:00 AM - 04:05 AM	49.5	48.3	06:40 AM - 06:45 AM	54.4	50.4	09:20 AM - 09:25 AM	53.7	51.3
04:05 AM - 04:10 AM	49.6	48.4	06:45 AM - 06:50 AM	51.7	50.3	09:25 AM - 09:30 AM	54.0	52.2
04:10 AM - 04:15 AM	50.3	48.9	06:50 AM - 06:55 AM	52.9	50.6	09:30 AM - 09:35 AM	55.1	52.0
04:15 AM - 04:20 AM	50.0	48.6	06:55 AM - 07:00 AM	56.3	50.3	09:35 AM - 09:40 AM	54.0	51.5
04:20 AM - 04:25 AM	56.7	48.6	07:00 AM - 07:05 AM	53.7	51.1	09:40 AM - 09:45 AM	53.1	51.2
04:25 AM - 04:30 AM	65.0	48.7	07:05 AM - 07:10 AM	60.7	51.1	09:45 AM - 09:50 AM	54.1	52.2
04:30 AM - 04:35 AM	63.2	49.1	07:10 AM - 07:15 AM	60.7	51.3	09:50 AM - 09:55 AM	53.0	51.0
04:35 AM - 04:40 AM	54.2	49.6	07:15 AM - 07:20 AM	58.2	50.7	09:55 AM - 10:00 AM	52.4	50.9
04:40 AM - 04:45 AM	51.6	49.9	07:20 AM - 07:25 AM	57.4	50.7	10:00 AM - 10:05 AM	52.7	50.9
04:45 AM - 04:50 AM	52.1	49.6	07:25 AM - 07:30 AM	57.1	50.9	10:05 AM - 10:10 AM	53.2	50.5
04:50 AM - 04:55 AM	63.3	49.8	07:30 AM - 07:35 AM	57.8	50.6	10:10 AM - 10:15 AM	60.4	57.3
04:55 AM - 05:00 AM	61.8	49.6	07:35 AM - 07:40 AM	53.6	50.9	10:15 AM - 10:20 AM	58.2	51.6
05:00 AM - 05:05 AM	56.0	48.9	07:40 AM - 07:45 AM	56.8	51.0	10:20 AM - 10:25 AM	55.8	51.4
05:05 AM - 05:10 AM	63.3	49.4	07:45 AM - 07:50 AM	54.6	50.4	10:25 AM - 10:30 AM	54.7	51.7
05:10 AM - 05:15 AM	60.5	49.6	07:50 AM - 07:55 AM	53.1	50.0	10:30 AM - 10:35 AM	54.0	51.9
05:15 AM - 05:20 AM	53.0	49.1	07:55 AM - 08:00 AM	55.2	49.8	10:35 AM - 10:40 AM	53.5	51.5
05:20 AM - 05:25 AM	62.3	49.5	08:00 AM - 08:05 AM	50.3	49.4	10:40 AM - 10:45 AM	53.2	51.6
05:25 AM - 05:30 AM	61.7	49.7	08:05 AM - 08:10 AM	51.8	50.0	10:45 AM - 10:50 AM	55.7	51.9
05:30 AM - 05:35 AM	57.9	49.0	08:10 AM - 08:15 AM	56.3	51.8	10:50 AM - 10:55 AM	56.2	52.7
05:35 AM - 05:40 AM	57.8	49.4	08:15 AM - 08:20 AM	65.2	51.6	10:55 AM - 11:00 AM	53.2	51.4
05:40 AM - 05:45 AM	55.9	48.6	08:20 AM - 08:25 AM	57.4	51.2	11:00 AM - 11:05 AM	53.7	51.4
05:45 AM - 05:50 AM	55.9	48.7	08:25 AM - 08:30 AM	54.7	51.8	11:05 AM - 11:10 AM	62.4	52.2
05:50 AM - 05:55 AM	58.1	49.6	08:30 AM - 08:35 AM	74.9	55.3	11:10 AM - 11:15 AM	56.6	52.1
05:55 AM - 06:00 AM	64.3	49.8	08:35 AM - 08:40 AM	59.2	52.1	11:15 AM - 11:20 AM	57.9	52.6
06:00 AM - 06:05 AM	61.7	49.7	08:40 AM - 08:45 AM	53.3	52.0	11:20 AM - 11:25 AM	61.0	53.4
06:05 AM - 06:10 AM	62.9	50.0	08:45 AM - 08:50 AM	53.6	51.9	11:25 AM - 11:30 AM	60.4	52.1
06:10 AM - 06:15 AM	64.0	50.2	08:50 AM - 08:55 AM	54.0	51.9	11:30 AM - 11:35 AM	54.8	51.9
06:15 AM - 06:20 AM	58.5	49.3	08:55 AM - 09:00 AM	55.5	51.6	11:35 AM - 11:40 AM	54.0	51.1
06:20 AM - 06:25 AM	60.5	49.7	09:00 AM - 09:05 AM	61.1	51.8	11:40 AM - 11:45 AM	54.6	51.6
06:25 AM - 06:30 AM	63.1	50.0	09:05 AM - 09:10 AM	54.5	52.2	11:45 AM - 11:50 AM	53.3	50.4
06:30 AM - 06:35 AM	65.3	49.9	09:10 AM - 09:15 AM	54.4	52.3	11:50 AM - 11:55 AM	54.0	49.9
06:35 AM - 06:40 AM	55.7	50.6	09:15 AM - 09:20 AM	57.7	51.9	11:55 AM - 12:00 PM	49.4	47.9

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Sarayuth Jittrantont  
Assistant General Manager



## Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230  
P/O : RJN-BW-012/65  
Project Name : Chonburi Bowin  
Project Location :

Lot ID: 22144022  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report Number : 2534253-1

Page 1 of 3

Sample Number 22144022-7  
Parameter Noise Level (Leq 5 min)  
Location N1 : หมู่บ้านบุรพา  
Measurement Date Dec 25 - Dec 26, 2022  
Measurement by Jaradrawee Sriuksa ทะเบียนเลขที่ ว-323-จ-9483  
Sound Level meter Serial No. 00734225

Dec 25, 2022 Time	Leq dB(A)	L90 dB(A)	Dec 25, 2022 Time	Leq dB(A)	L90 dB(A)	Dec 25, 2022 Time	Leq dB(A)	L90 dB(A)
12:00 PM - 12:05 PM	50.4	49.0	02:40 PM - 02:45 PM	57.4	49.5	05:20 PM - 05:25 PM	52.1	50.9
12:05 PM - 12:10 PM	50.0	48.5	02:45 PM - 02:50 PM	54.4	52.5	05:25 PM - 05:30 PM	51.8	50.4
12:10 PM - 12:15 PM	50.3	48.7	02:50 PM - 02:55 PM	54.6	52.6	05:30 PM - 05:35 PM	52.5	51.0
12:15 PM - 12:20 PM	48.9	47.2	02:55 PM - 03:00 PM	53.7	51.7	05:35 PM - 05:40 PM	55.7	51.0
12:20 PM - 12:25 PM	52.4	47.7	03:00 PM - 03:05 PM	54.5	52.3	05:40 PM - 05:45 PM	52.8	50.7
12:25 PM - 12:30 PM	48.8	47.3	03:05 PM - 03:10 PM	54.8	53.1	05:45 PM - 05:50 PM	51.4	49.9
12:30 PM - 12:35 PM	49.6	47.1	03:10 PM - 03:15 PM	53.8	52.0	05:50 PM - 05:55 PM	52.3	50.2
12:35 PM - 12:40 PM	52.6	47.0	03:15 PM - 03:20 PM	53.5	51.8	05:55 PM - 06:00 PM	56.6	50.4
12:40 PM - 12:45 PM	50.3	48.2	03:20 PM - 03:25 PM	54.7	52.4	06:00 PM - 06:05 PM	51.6	50.1
12:45 PM - 12:50 PM	49.1	47.5	03:25 PM - 03:30 PM	55.0	51.7	06:05 PM - 06:10 PM	51.4	49.8
12:50 PM - 12:55 PM	51.1	48.1	03:30 PM - 03:35 PM	55.0	52.7	06:10 PM - 06:15 PM	56.2	50.8
12:55 PM - 01:00 PM	51.1	48.6	03:35 PM - 03:40 PM	55.6	52.4	06:15 PM - 06:20 PM	57.9	51.3
01:00 PM - 01:05 PM	50.4	47.8	03:40 PM - 03:45 PM	54.8	52.5	06:20 PM - 06:25 PM	55.3	51.3
01:05 PM - 01:10 PM	52.7	49.2	03:45 PM - 03:50 PM	56.4	52.4	06:25 PM - 06:30 PM	54.9	51.7
01:10 PM - 01:15 PM	51.4	49.3	03:50 PM - 03:55 PM	58.6	53.3	06:30 PM - 06:35 PM	56.2	51.7
01:15 PM - 01:20 PM	53.4	50.8	03:55 PM - 04:00 PM	55.9	53.7	06:35 PM - 06:40 PM	57.7	56.0
01:20 PM - 01:25 PM	52.1	50.3	04:00 PM - 04:05 PM	56.2	53.6	06:40 PM - 06:45 PM	57.3	55.8
01:25 PM - 01:30 PM	51.8	50.2	04:05 PM - 04:10 PM	57.5	53.8	06:45 PM - 06:50 PM	57.1	55.5
01:30 PM - 01:35 PM	49.9	48.2	04:10 PM - 04:15 PM	59.2	54.1	06:50 PM - 06:55 PM	57.4	55.9
01:35 PM - 01:40 PM	52.1	46.9	04:15 PM - 04:20 PM	57.8	54.1	06:55 PM - 07:00 PM	56.4	53.0
01:40 PM - 01:45 PM	51.7	49.5	04:20 PM - 04:25 PM	59.1	55.3	07:00 PM - 07:05 PM	55.9	52.2
01:45 PM - 01:50 PM	53.4	50.6	04:25 PM - 04:30 PM	55.7	53.0	07:05 PM - 07:10 PM	56.0	53.9
01:50 PM - 01:55 PM	52.1	48.5	04:30 PM - 04:35 PM	61.2	51.9	07:10 PM - 07:15 PM	54.3	50.8
01:55 PM - 02:00 PM	51.4	47.9	04:35 PM - 04:40 PM	60.9	52.0	07:15 PM - 07:20 PM	52.6	51.0
02:00 PM - 02:05 PM	53.3	50.7	04:40 PM - 04:45 PM	59.4	51.3	07:20 PM - 07:25 PM	52.3	49.9
02:05 PM - 02:10 PM	53.4	47.2	04:45 PM - 04:50 PM	53.0	51.3	07:25 PM - 07:30 PM	51.8	50.1
02:10 PM - 02:15 PM	51.7	46.0	04:50 PM - 04:55 PM	55.9	51.9	07:30 PM - 07:35 PM	51.0	49.6
02:15 PM - 02:20 PM	54.0	50.6	04:55 PM - 05:00 PM	53.3	51.4	07:35 PM - 07:40 PM	50.9	49.3
02:20 PM - 02:25 PM	54.4	50.9	05:00 PM - 05:05 PM	53.6	51.5	07:40 PM - 07:45 PM	52.0	50.3
02:25 PM - 02:30 PM	51.6	49.3	05:05 PM - 05:10 PM	52.3	50.7	07:45 PM - 07:50 PM	52.3	51.0
02:30 PM - 02:35 PM	66.9	49.0	05:10 PM - 05:15 PM	51.8	50.7	07:50 PM - 07:55 PM	52.3	50.3
02:35 PM - 02:40 PM	57.5	50.0	05:15 PM - 05:20 PM	51.4	50.4	07:55 PM - 08:00 PM	53.1	52.0

Approved by

Sarayuth Jitranont  
Assistant General Manager

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## Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230  
P/O : RJN-BW-012/65  
Project Name : Chonburi Bowin  
Project Location :

Lot ID: 22144022  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report Number : 2534253-1

Page 2 of 3

Sample Number 22144022-7  
Parameter Noise Level (Leq 5 min)  
Location N1 : หมู่บ้านบุรพา  
Measurement Date Dec 25 - Dec 26, 2022  
Measurement by Jaradrawee Sriuksa ทะเบียนเลขที่ ๖-323-๖-9483  
Sound Level meter Serial No. 00734225

Dec 25, 2022	Leq	L90	Dec 25 - Dec 26, 2022	Leq	L90	Dec 26, 2022	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
08:00 PM - 08:05 PM	53.8	52.1	10:40 PM - 10:45 PM	53.9	50.8	01:20 AM - 01:25 AM	49.6	48.2
08:05 PM - 08:10 PM	54.0	50.7	10:45 PM - 10:50 PM	53.8	51.1	01:25 AM - 01:30 AM	48.9	47.9
08:10 PM - 08:15 PM	53.9	50.1	10:50 PM - 10:55 PM	54.0	50.6	01:30 AM - 01:35 AM	49.3	47.4
08:15 PM - 08:20 PM	53.9	51.6	10:55 PM - 11:00 PM	53.3	50.0	01:35 AM - 01:40 AM	48.8	47.6
08:20 PM - 08:25 PM	54.0	51.8	11:00 PM - 11:05 PM	51.7	49.4	01:40 AM - 01:45 AM	47.9	46.9
08:25 PM - 08:30 PM	53.5	50.7	11:05 PM - 11:10 PM	51.4	49.0	01:45 AM - 01:50 AM	48.3	47.2
08:30 PM - 08:35 PM	53.3	49.9	11:10 PM - 11:15 PM	52.7	49.5	01:50 AM - 01:55 AM	49.7	47.5
08:35 PM - 08:40 PM	53.2	50.1	11:15 PM - 11:20 PM	51.4	49.5	01:55 AM - 02:00 AM	48.4	47.1
08:40 PM - 08:45 PM	54.5	49.7	11:20 PM - 11:25 PM	49.8	48.5	02:00 AM - 02:05 AM	48.7	47.6
08:45 PM - 08:50 PM	52.5	49.9	11:25 PM - 11:30 PM	50.0	47.9	02:05 AM - 02:10 AM	48.9	47.5
08:50 PM - 08:55 PM	53.4	50.7	11:30 PM - 11:35 PM	52.2	49.6	02:10 AM - 02:15 AM	49.3	47.4
08:55 PM - 09:00 PM	53.2	50.9	11:35 PM - 11:40 PM	52.1	48.6	02:15 AM - 02:20 AM	49.1	47.9
09:00 PM - 09:05 PM	52.4	51.2	11:40 PM - 11:45 PM	51.9	49.2	02:20 AM - 02:25 AM	49.1	48.1
09:05 PM - 09:10 PM	51.7	50.5	11:45 PM - 11:50 PM	49.9	47.3	02:25 AM - 02:30 AM	49.1	47.9
09:10 PM - 09:15 PM	51.8	50.6	11:50 PM - 11:55 PM	49.6	47.3	02:30 AM - 02:35 AM	49.3	47.8
09:15 PM - 09:20 PM	52.4	51.1	11:55 PM - 12:00 AM	50.9	47.3	02:35 AM - 02:40 AM	48.2	47.2
09:20 PM - 09:25 PM	52.8	51.3	12:00 AM - 12:05 AM	51.0	46.8	02:40 AM - 02:45 AM	47.4	46.5
09:25 PM - 09:30 PM	53.7	51.4	12:05 AM - 12:10 AM	48.4	46.0	02:45 AM - 02:50 AM	47.9	47.1
09:30 PM - 09:35 PM	52.5	51.2	12:10 AM - 12:15 AM	54.3	47.7	02:50 AM - 02:55 AM	47.9	46.8
09:35 PM - 09:40 PM	51.9	50.3	12:15 AM - 12:20 AM	51.5	48.9	02:55 AM - 03:00 AM	48.1	47.3
09:40 PM - 09:45 PM	53.6	50.4	12:20 AM - 12:25 AM	48.8	46.9	03:00 AM - 03:05 AM	48.4	47.4
09:45 PM - 09:50 PM	51.7	49.9	12:25 AM - 12:30 AM	49.5	47.7	03:05 AM - 03:10 AM	49.2	47.7
09:50 PM - 09:55 PM	51.8	49.9	12:30 AM - 12:35 AM	48.7	47.3	03:10 AM - 03:15 AM	48.1	47.4
09:55 PM - 10:00 PM	53.1	50.6	12:35 AM - 12:40 AM	48.9	47.7	03:15 AM - 03:20 AM	48.6	47.8
10:00 PM - 10:05 PM	52.4	50.1	12:40 AM - 12:45 AM	49.1	47.9	03:20 AM - 03:25 AM	48.9	47.6
10:05 PM - 10:10 PM	51.5	49.5	12:45 AM - 12:50 AM	50.1	48.7	03:25 AM - 03:30 AM	48.6	47.4
10:10 PM - 10:15 PM	53.1	50.5	12:50 AM - 12:55 AM	50.2	48.7	03:30 AM - 03:35 AM	48.3	47.3
10:15 PM - 10:20 PM	55.3	51.4	12:55 AM - 01:00 AM	50.0	48.9	03:35 AM - 03:40 AM	48.6	47.5
10:20 PM - 10:25 PM	54.1	50.9	01:00 AM - 01:05 AM	50.0	49.2	03:40 AM - 03:45 AM	48.7	47.6
10:25 PM - 10:30 PM	55.1	51.3	01:05 AM - 01:10 AM	50.3	49.5	03:45 AM - 03:50 AM	48.8	47.5
10:30 PM - 10:35 PM	55.4	51.4	01:10 AM - 01:15 AM	50.0	49.0	03:50 AM - 03:55 AM	49.4	48.2
10:35 PM - 10:40 PM	54.7	51.0	01:15 AM - 01:20 AM	49.7	48.6	03:55 AM - 04:00 AM	49.4	48.4

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Approved by

Sarayuth Jittrantont  
Assistant General Manager



## Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230  
P/O : RJN-BW-012/65  
Project Name : Chonburi Bowin  
Project Location :

Lot ID: 22144022  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report Number : 2534253-1

Page 3 of 3

Sample Number 22144022-7  
Parameter Noise Level (Leq 5 min)  
Location N1 : หมู่บ้านบุรพา  
Measurement Date Dec 25 - Dec 26, 2022  
Measurement by Jaradrawee Sriuksa ทะเบียนเลขที่ ๖-323-๖-9483  
Sound Level meter Serial No. 00734225

Dec 26, 2022 Time	Leq dB(A)	L90 dB(A)	Dec 26, 2022 Time	Leq dB(A)	L90 dB(A)	Dec 26, 2022 Time	Leq dB(A)	L90 dB(A)
04:00 AM - 04:05 AM	48.9	47.9	06:40 AM - 06:45 AM	57.1	52.2	09:20 AM - 09:25 AM	56.3	53.8
04:05 AM - 04:10 AM	48.7	47.6	06:45 AM - 06:50 AM	58.3	52.0	09:25 AM - 09:30 AM	55.3	53.3
04:10 AM - 04:15 AM	49.3	48.2	06:50 AM - 06:55 AM	56.0	51.8	09:30 AM - 09:35 AM	55.9	53.5
04:15 AM - 04:20 AM	49.1	48.1	06:55 AM - 07:00 AM	54.3	52.5	09:35 AM - 09:40 AM	55.5	52.8
04:20 AM - 04:25 AM	63.3	48.7	07:00 AM - 07:05 AM	68.2	52.1	09:40 AM - 09:45 AM	55.4	53.6
04:25 AM - 04:30 AM	63.7	48.8	07:05 AM - 07:10 AM	58.3	52.6	09:45 AM - 09:50 AM	55.9	54.1
04:30 AM - 04:35 AM	58.4	48.3	07:10 AM - 07:15 AM	67.3	51.6	09:50 AM - 09:55 AM	56.1	54.0
04:35 AM - 04:40 AM	50.1	48.5	07:15 AM - 07:20 AM	66.1	52.2	09:55 AM - 10:00 AM	55.4	53.1
04:40 AM - 04:45 AM	50.1	48.5	07:20 AM - 07:25 AM	54.6	52.3	10:00 AM - 10:05 AM	55.6	53.5
04:45 AM - 04:50 AM	49.6	48.6	07:25 AM - 07:30 AM	58.3	53.1	10:05 AM - 10:10 AM	55.3	52.5
04:50 AM - 04:55 AM	53.9	48.9	07:30 AM - 07:35 AM	54.2	52.7	10:10 AM - 10:15 AM	55.5	53.0
04:55 AM - 05:00 AM	58.2	49.9	07:35 AM - 07:40 AM	55.4	53.0	10:15 AM - 10:20 AM	55.1	52.6
05:00 AM - 05:05 AM	57.7	48.9	07:40 AM - 07:45 AM	59.2	53.4	10:20 AM - 10:25 AM	54.8	52.3
05:05 AM - 05:10 AM	55.3	48.8	07:45 AM - 07:50 AM	66.2	52.6	10:25 AM - 10:30 AM	55.9	53.2
05:10 AM - 05:15 AM	53.1	49.4	07:50 AM - 07:55 AM	56.3	52.5	10:30 AM - 10:35 AM	54.7	52.7
05:15 AM - 05:20 AM	57.4	49.5	07:55 AM - 08:00 AM	55.3	52.8	10:35 AM - 10:40 AM	56.0	54.0
05:20 AM - 05:25 AM	65.3	49.5	08:00 AM - 08:05 AM	54.3	52.5	10:40 AM - 10:45 AM	55.3	52.7
05:25 AM - 05:30 AM	61.6	49.6	08:05 AM - 08:10 AM	54.2	52.9	10:45 AM - 10:50 AM	56.3	54.2
05:30 AM - 05:35 AM	56.7	49.5	08:10 AM - 08:15 AM	54.6	53.1	10:50 AM - 10:55 AM	60.0	53.9
05:35 AM - 05:40 AM	61.5	49.0	08:15 AM - 08:20 AM	57.9	55.1	10:55 AM - 11:00 AM	67.9	53.4
05:40 AM - 05:45 AM	54.0	49.0	08:20 AM - 08:25 AM	59.4	55.7	11:00 AM - 11:05 AM	57.1	54.4
05:45 AM - 05:50 AM	60.1	49.6	08:25 AM - 08:30 AM	56.3	54.1	11:05 AM - 11:10 AM	62.6	52.4
05:50 AM - 05:55 AM	63.4	50.4	08:30 AM - 08:35 AM	69.2	53.5	11:10 AM - 11:15 AM	56.8	52.3
05:55 AM - 06:00 AM	61.5	50.0	08:35 AM - 08:40 AM	75.4	53.0	11:15 AM - 11:20 AM	58.0	52.7
06:00 AM - 06:05 AM	61.9	49.6	08:40 AM - 08:45 AM	70.3	54.4	11:20 AM - 11:25 AM	60.8	53.2
06:05 AM - 06:10 AM	61.2	49.5	08:45 AM - 08:50 AM	56.3	53.9	11:25 AM - 11:30 AM	60.7	52.4
06:10 AM - 06:15 AM	61.3	50.1	08:50 AM - 08:55 AM	59.1	55.4	11:30 AM - 11:35 AM	55.3	52.4
06:15 AM - 06:20 AM	62.2	50.3	08:55 AM - 09:00 AM	58.5	56.1	11:35 AM - 11:40 AM	53.8	50.9
06:20 AM - 06:25 AM	57.8	50.5	09:00 AM - 09:05 AM	59.1	55.4	11:40 AM - 11:45 AM	55.0	52.0
06:25 AM - 06:30 AM	60.7	51.7	09:05 AM - 09:10 AM	60.9	54.8	11:45 AM - 11:50 AM	53.7	50.8
06:30 AM - 06:35 AM	66.5	51.5	09:10 AM - 09:15 AM	59.4	54.0	11:50 AM - 11:55 AM	54.5	50.4
06:35 AM - 06:40 AM	56.9	51.9	09:15 AM - 09:20 AM	55.9	53.9	11:55 AM - 12:00 PM	50.6	49.1

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Approved by

Sarayuth Jittrantont  
Assistant General Manager



## Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230  
P/O : RJN-BW-012/65  
Project Name : Chonburi Bowin  
Project Location :

Lot ID: 22144022  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report Number : 2534254-1

Page 1 of 3

Sample Number 22144022-8  
Parameter Noise Level (Leq 5 min)  
Location N2 : มัสยิดบุรุษอิสลาม  
Measurement Date Dec 19 - Dec 20, 2022  
Measurement by Jaradrawee Sriuksa ทะเบียนเลขที่ ว-323-จ-9483  
Sound Level meter Serial No. 00709746

Dec 19, 2022	Leq	L90	Dec 19, 2022	Leq	L90	Dec 19, 2022	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
12:00 PM - 12:05 PM	65.2	49.9	02:40 PM - 02:45 PM	51.2	44.3	05:20 PM - 05:25 PM	64.4	49.7
12:05 PM - 12:10 PM	59.2	45.3	02:45 PM - 02:50 PM	47.2	43.6	05:25 PM - 05:30 PM	59.3	48.3
12:10 PM - 12:15 PM	50.3	43.3	02:50 PM - 02:55 PM	52.9	43.7	05:30 PM - 05:35 PM	58.1	48.4
12:15 PM - 12:20 PM	58.0	45.8	02:55 PM - 03:00 PM	52.1	42.5	05:35 PM - 05:40 PM	65.5	48.9
12:20 PM - 12:25 PM	60.9	46.2	03:00 PM - 03:05 PM	52.5	43.7	05:40 PM - 05:45 PM	56.3	44.7
12:25 PM - 12:30 PM	51.9	42.0	03:05 PM - 03:10 PM	49.7	44.3	05:45 PM - 05:50 PM	60.7	45.1
12:30 PM - 12:35 PM	61.2	42.9	03:10 PM - 03:15 PM	59.1	42.9	05:50 PM - 05:55 PM	55.1	46.3
12:35 PM - 12:40 PM	49.9	42.4	03:15 PM - 03:20 PM	63.0	44.5	05:55 PM - 06:00 PM	53.0	45.7
12:40 PM - 12:45 PM	56.9	42.9	03:20 PM - 03:25 PM	52.7	43.3	06:00 PM - 06:05 PM	51.3	45.5
12:45 PM - 12:50 PM	58.5	43.2	03:25 PM - 03:30 PM	54.0	43.4	06:05 PM - 06:10 PM	59.7	47.7
12:50 PM - 12:55 PM	56.8	43.2	03:30 PM - 03:35 PM	55.9	44.5	06:10 PM - 06:15 PM	54.4	46.2
12:55 PM - 01:00 PM	59.5	43.5	03:35 PM - 03:40 PM	54.8	45.1	06:15 PM - 06:20 PM	59.7	46.7
01:00 PM - 01:05 PM	58.4	49.4	03:40 PM - 03:45 PM	50.9	43.6	06:20 PM - 06:25 PM	54.7	45.8
01:05 PM - 01:10 PM	53.1	46.4	03:45 PM - 03:50 PM	55.8	46.8	06:25 PM - 06:30 PM	55.6	45.6
01:10 PM - 01:15 PM	52.9	45.6	03:50 PM - 03:55 PM	52.5	44.3	06:30 PM - 06:35 PM	58.0	45.7
01:15 PM - 01:20 PM	51.2	43.9	03:55 PM - 04:00 PM	51.7	45.3	06:35 PM - 06:40 PM	52.2	46.4
01:20 PM - 01:25 PM	53.5	44.6	04:00 PM - 04:05 PM	51.9	45.6	06:40 PM - 06:45 PM	52.1	46.0
01:25 PM - 01:30 PM	56.1	46.9	04:05 PM - 04:10 PM	54.0	44.1	06:45 PM - 06:50 PM	55.9	45.6
01:30 PM - 01:35 PM	52.2	44.6	04:10 PM - 04:15 PM	52.2	44.4	06:50 PM - 06:55 PM	63.2	45.7
01:35 PM - 01:40 PM	53.8	45.6	04:15 PM - 04:20 PM	60.6	43.9	06:55 PM - 07:00 PM	51.9	44.3
01:40 PM - 01:45 PM	58.5	46.0	04:20 PM - 04:25 PM	62.3	46.4	07:00 PM - 07:05 PM	64.2	46.6
01:45 PM - 01:50 PM	57.5	46.0	04:25 PM - 04:30 PM	57.9	45.2	07:05 PM - 07:10 PM	57.2	47.3
01:50 PM - 01:55 PM	53.8	46.0	04:30 PM - 04:35 PM	53.9	44.5	07:10 PM - 07:15 PM	53.0	45.9
01:55 PM - 02:00 PM	52.7	45.1	04:35 PM - 04:40 PM	59.2	47.0	07:15 PM - 07:20 PM	59.9	44.8
02:00 PM - 02:05 PM	50.3	44.1	04:40 PM - 04:45 PM	62.7	46.6	07:20 PM - 07:25 PM	53.4	44.6
02:05 PM - 02:10 PM	51.3	44.9	04:45 PM - 04:50 PM	56.5	47.0	07:25 PM - 07:30 PM	54.9	44.9
02:10 PM - 02:15 PM	50.9	43.4	04:50 PM - 04:55 PM	52.9	47.0	07:30 PM - 07:35 PM	56.0	45.5
02:15 PM - 02:20 PM	53.7	43.6	04:55 PM - 05:00 PM	60.1	46.1	07:35 PM - 07:40 PM	52.9	45.4
02:20 PM - 02:25 PM	50.2	44.7	05:00 PM - 05:05 PM	52.3	44.1	07:40 PM - 07:45 PM	52.5	45.5
02:25 PM - 02:30 PM	53.6	46.4	05:05 PM - 05:10 PM	61.8	49.7	07:45 PM - 07:50 PM	54.4	45.8
02:30 PM - 02:35 PM	53.2	48.4	05:10 PM - 05:15 PM	61.3	46.1	07:50 PM - 07:55 PM	54.6	46.5
02:35 PM - 02:40 PM	50.0	44.5	05:15 PM - 05:20 PM	60.4	47.5	07:55 PM - 08:00 PM	56.4	47.9

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Approved by

Sarayuth Jittrantont  
Assistant General Manager



## Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230  
P/O : RJN-BW-012/65  
Project Name : Chonburi Bowin  
Project Location :

Lot ID: 22144022  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report Number : 2534254-1

Page 2 of 3

Sample Number 22144022-8  
Parameter Noise Level (Leq 5 min)  
Location N2 : มัสยิดบุรุษอิสลาม  
Measurement Date Dec 19 - Dec 20, 2022  
Measurement by Jaradrawee Sriuksa ทะเบียนเลขที่ ๖-323-๖-9483  
Sound Level meter Serial No. 00709746

Dec 19, 2022	Leq	L90	Dec 19 - Dec 20, 2022	Leq	L90	Dec 20, 2022	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
08:00 PM - 08:05 PM	59.8	46.1	10:40 PM - 10:45 PM	45.7	42.4	01:20 AM - 01:25 AM	47.2	41.9
08:05 PM - 08:10 PM	60.3	46.2	10:45 PM - 10:50 PM	49.2	43.7	01:25 AM - 01:30 AM	44.0	41.4
08:10 PM - 08:15 PM	61.8	46.8	10:50 PM - 10:55 PM	45.0	42.0	01:30 AM - 01:35 AM	52.0	41.7
08:15 PM - 08:20 PM	54.3	44.2	10:55 PM - 11:00 PM	45.3	41.9	01:35 AM - 01:40 AM	45.3	41.5
08:20 PM - 08:25 PM	56.8	45.4	11:00 PM - 11:05 PM	46.6	41.7	01:40 AM - 01:45 AM	44.2	41.4
08:25 PM - 08:30 PM	59.0	46.0	11:05 PM - 11:10 PM	45.4	41.1	01:45 AM - 01:50 AM	46.8	41.8
08:30 PM - 08:35 PM	58.8	42.9	11:10 PM - 11:15 PM	41.9	39.9	01:50 AM - 01:55 AM	46.5	41.6
08:35 PM - 08:40 PM	52.1	44.0	11:15 PM - 11:20 PM	43.7	40.7	01:55 AM - 02:00 AM	42.7	40.8
08:40 PM - 08:45 PM	55.3	44.2	11:20 PM - 11:25 PM	49.8	42.1	02:00 AM - 02:05 AM	42.6	40.6
08:45 PM - 08:50 PM	53.0	43.4	11:25 PM - 11:30 PM	46.1	40.6	02:05 AM - 02:10 AM	44.8	41.8
08:50 PM - 08:55 PM	52.8	43.4	11:30 PM - 11:35 PM	48.1	40.1	02:10 AM - 02:15 AM	44.4	42.0
08:55 PM - 09:00 PM	47.9	42.5	11:35 PM - 11:40 PM	44.3	39.9	02:15 AM - 02:20 AM	45.8	42.4
09:00 PM - 09:05 PM	50.2	42.4	11:40 PM - 11:45 PM	42.0	38.5	02:20 AM - 02:25 AM	46.9	41.0
09:05 PM - 09:10 PM	54.2	41.2	11:45 PM - 11:50 PM	44.8	40.5	02:25 AM - 02:30 AM	44.8	40.3
09:10 PM - 09:15 PM	51.2	42.7	11:50 PM - 11:55 PM	50.3	40.5	02:30 AM - 02:35 AM	73.6	43.4
09:15 PM - 09:20 PM	52.8	42.7	11:55 PM - 12:00 AM	44.3	40.4	02:35 AM - 02:40 AM	44.4	40.6
09:20 PM - 09:25 PM	52.3	42.9	12:00 AM - 12:05 AM	43.5	40.3	02:40 AM - 02:45 AM	42.7	39.9
09:25 PM - 09:30 PM	49.9	43.8	12:05 AM - 12:10 AM	46.6	39.7	02:45 AM - 02:50 AM	46.3	40.1
09:30 PM - 09:35 PM	45.0	42.7	12:10 AM - 12:15 AM	44.5	39.5	02:50 AM - 02:55 AM	46.9	40.8
09:35 PM - 09:40 PM	47.7	42.5	12:15 AM - 12:20 AM	43.2	40.1	02:55 AM - 03:00 AM	45.2	40.2
09:40 PM - 09:45 PM	45.8	42.7	12:20 AM - 12:25 AM	50.3	38.5	03:00 AM - 03:05 AM	42.0	40.0
09:45 PM - 09:50 PM	50.8	43.2	12:25 AM - 12:30 AM	55.3	40.8	03:05 AM - 03:10 AM	46.3	40.4
09:50 PM - 09:55 PM	51.7	43.1	12:30 AM - 12:35 AM	43.1	40.4	03:10 AM - 03:15 AM	42.5	39.8
09:55 PM - 10:00 PM	54.2	43.7	12:35 AM - 12:40 AM	44.6	40.3	03:15 AM - 03:20 AM	46.7	40.0
10:00 PM - 10:05 PM	51.7	43.1	12:40 AM - 12:45 AM	46.5	40.8	03:20 AM - 03:25 AM	47.2	41.2
10:05 PM - 10:10 PM	49.8	43.1	12:45 AM - 12:50 AM	40.6	39.8	03:25 AM - 03:30 AM	45.9	41.5
10:10 PM - 10:15 PM	50.3	44.1	12:50 AM - 12:55 AM	43.7	40.7	03:30 AM - 03:35 AM	45.8	40.6
10:15 PM - 10:20 PM	47.2	42.5	12:55 AM - 01:00 AM	46.2	40.7	03:35 AM - 03:40 AM	44.2	40.5
10:20 PM - 10:25 PM	48.3	43.5	01:00 AM - 01:05 AM	42.4	40.9	03:40 AM - 03:45 AM	43.5	40.5
10:25 PM - 10:30 PM	49.9	43.5	01:05 AM - 01:10 AM	44.4	41.2	03:45 AM - 03:50 AM	43.6	41.0
10:30 PM - 10:35 PM	51.1	42.9	01:10 AM - 01:15 AM	48.3	40.1	03:50 AM - 03:55 AM	43.2	40.7
10:35 PM - 10:40 PM	49.4	42.3	01:15 AM - 01:20 AM	42.8	40.7	03:55 AM - 04:00 AM	43.7	41.3

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Approved by

Sarayuth Jittrantont  
Assistant General Manager



## Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230  
P/O : RJN-BW-012/65  
Project Name : Chonburi Bowin  
Project Location :

Lot ID: 22144022  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report Number : 2534254-1

Page 3 of 3

Sample Number 22144022-8  
Parameter Noise Level (Leq 5 min)  
Location N2 : มัสยิดบุรุษอิสลาม  
Measurement Date Dec 19 - Dec 20, 2022  
Measurement by Jaradrawee Sriuksa ทะเบียนเลขที่ ๖-323-๖-9483  
Sound Level meter Serial No. 00709746

Dec 20, 2022 Time	Leq dB(A)	L90 dB(A)	Dec 20, 2022 Time	Leq dB(A)	L90 dB(A)	Dec 20, 2022 Time	Leq dB(A)	L90 dB(A)
04:00 AM - 04:05 AM	43.6	41.1	06:40 AM - 06:45 AM	55.7	48.2	09:20 AM - 09:25 AM	58.3	46.8
04:05 AM - 04:10 AM	52.5	42.5	06:45 AM - 06:50 AM	56.8	48.6	09:25 AM - 09:30 AM	57.3	46.5
04:10 AM - 04:15 AM	45.7	41.9	06:50 AM - 06:55 AM	60.2	49.9	09:30 AM - 09:35 AM	52.9	45.2
04:15 AM - 04:20 AM	43.1	41.7	06:55 AM - 07:00 AM	56.7	49.3	09:35 AM - 09:40 AM	57.3	44.6
04:20 AM - 04:25 AM	44.8	42.0	07:00 AM - 07:05 AM	57.0	49.6	09:40 AM - 09:45 AM	69.5	44.8
04:25 AM - 04:30 AM	45.1	42.8	07:05 AM - 07:10 AM	62.0	49.2	09:45 AM - 09:50 AM	53.9	44.5
04:30 AM - 04:35 AM	50.3	41.3	07:10 AM - 07:15 AM	53.5	48.2	09:50 AM - 09:55 AM	50.0	43.1
04:35 AM - 04:40 AM	45.2	41.9	07:15 AM - 07:20 AM	55.8	48.8	09:55 AM - 10:00 AM	58.3	45.0
04:40 AM - 04:45 AM	44.8	41.8	07:20 AM - 07:25 AM	57.1	48.5	10:00 AM - 10:05 AM	54.1	45.3
04:45 AM - 04:50 AM	45.2	42.7	07:25 AM - 07:30 AM	56.0	48.6	10:05 AM - 10:10 AM	51.8	44.2
04:50 AM - 04:55 AM	47.2	42.0	07:30 AM - 07:35 AM	55.8	48.4	10:10 AM - 10:15 AM	59.4	45.6
04:55 AM - 05:00 AM	65.7	42.7	07:35 AM - 07:40 AM	57.5	49.2	10:15 AM - 10:20 AM	53.8	45.0
05:00 AM - 05:05 AM	46.4	42.3	07:40 AM - 07:45 AM	55.2	47.8	10:20 AM - 10:25 AM	54.4	44.5
05:05 AM - 05:10 AM	48.1	43.4	07:45 AM - 07:50 AM	55.0	47.4	10:25 AM - 10:30 AM	52.5	44.9
05:10 AM - 05:15 AM	54.2	44.5	07:50 AM - 07:55 AM	54.3	48.1	10:30 AM - 10:35 AM	49.8	44.6
05:15 AM - 05:20 AM	46.7	43.7	07:55 AM - 08:00 AM	55.2	47.3	10:35 AM - 10:40 AM	50.8	44.4
05:20 AM - 05:25 AM	51.3	44.2	08:00 AM - 08:05 AM	55.5	48.4	10:40 AM - 10:45 AM	53.1	43.9
05:25 AM - 05:30 AM	48.2	44.0	08:05 AM - 08:10 AM	60.9	47.1	10:45 AM - 10:50 AM	51.4	43.8
05:30 AM - 05:35 AM	52.2	44.6	08:10 AM - 08:15 AM	55.9	47.9	10:50 AM - 10:55 AM	49.7	44.1
05:35 AM - 05:40 AM	50.9	44.6	08:15 AM - 08:20 AM	53.7	47.6	10:55 AM - 11:00 AM	57.5	44.9
05:40 AM - 05:45 AM	53.4	45.4	08:20 AM - 08:25 AM	55.2	46.9	11:00 AM - 11:05 AM	52.0	44.3
05:45 AM - 05:50 AM	62.0	46.0	08:25 AM - 08:30 AM	53.6	46.6	11:05 AM - 11:10 AM	53.5	44.7
05:50 AM - 05:55 AM	61.4	46.4	08:30 AM - 08:35 AM	55.3	46.3	11:10 AM - 11:15 AM	54.1	43.6
05:55 AM - 06:00 AM	57.8	48.4	08:35 AM - 08:40 AM	53.9	46.7	11:15 AM - 11:20 AM	50.7	43.1
06:00 AM - 06:05 AM	52.4	47.5	08:40 AM - 08:45 AM	61.3	47.1	11:20 AM - 11:25 AM	55.3	43.4
06:05 AM - 06:10 AM	51.6	47.2	08:45 AM - 08:50 AM	68.4	49.2	11:25 AM - 11:30 AM	55.8	45.5
06:10 AM - 06:15 AM	53.4	47.1	08:50 AM - 08:55 AM	51.5	46.1	11:30 AM - 11:35 AM	58.5	42.9
06:15 AM - 06:20 AM	56.5	48.0	08:55 AM - 09:00 AM	51.4	46.1	11:35 AM - 11:40 AM	49.3	42.4
06:20 AM - 06:25 AM	57.4	48.2	09:00 AM - 09:05 AM	54.5	46.9	11:40 AM - 11:45 AM	53.1	43.1
06:25 AM - 06:30 AM	54.3	47.3	09:05 AM - 09:10 AM	53.4	45.5	11:45 AM - 11:50 AM	58.4	44.8
06:30 AM - 06:35 AM	55.2	47.6	09:10 AM - 09:15 AM	57.4	46.9	11:50 AM - 11:55 AM	52.7	42.8
06:35 AM - 06:40 AM	59.6	49.0	09:15 AM - 09:20 AM	54.1	45.6	11:55 AM - 12:00 PM	59.4	42.3

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Approved by

Sarayuth Jittrantont  
Assistant General Manager



## Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230  
P/O : RJN-BW-012/65  
Project Name : Chonburi Bowin  
Project Location :

Lot ID: 22144022  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report Number : 2534255-1

Page 1 of 3

Sample Number 22144022-9  
Parameter Noise Level (Leq 5 min)  
Location N2 : มัสยิดบุรุษอิสลาม  
Measurement Date Dec 20 - Dec 21, 2022  
Measurement by Jaradrawee Sriuksa ทะเบียนเลขที่ ว-323-จ-9483  
Sound Level meter Serial No. 00709746

Dec 20, 2022 Time	Leq dB(A)	L90 dB(A)	Dec 20, 2022 Time	Leq dB(A)	L90 dB(A)	Dec 20, 2022 Time	Leq dB(A)	L90 dB(A)
12:00 PM - 12:05 PM	61.0	44.2	02:40 PM - 02:45 PM	47.8	39.7	05:20 PM - 05:25 PM	59.4	49.5
12:05 PM - 12:10 PM	52.7	42.6	02:45 PM - 02:50 PM	50.5	37.8	05:25 PM - 05:30 PM	57.2	47.0
12:10 PM - 12:15 PM	55.0	42.1	02:50 PM - 02:55 PM	49.7	39.6	05:30 PM - 05:35 PM	57.3	46.6
12:15 PM - 12:20 PM	59.0	42.3	02:55 PM - 03:00 PM	53.2	41.0	05:35 PM - 05:40 PM	60.6	47.6
12:20 PM - 12:25 PM	48.9	41.8	03:00 PM - 03:05 PM	51.5	36.8	05:40 PM - 05:45 PM	62.2	43.8
12:25 PM - 12:30 PM	49.3	41.1	03:05 PM - 03:10 PM	49.6	38.2	05:45 PM - 05:50 PM	54.4	44.3
12:30 PM - 12:35 PM	51.8	41.8	03:10 PM - 03:15 PM	49.9	41.6	05:50 PM - 05:55 PM	52.5	44.8
12:35 PM - 12:40 PM	49.0	41.2	03:15 PM - 03:20 PM	49.0	39.0	05:55 PM - 06:00 PM	54.0	43.9
12:40 PM - 12:45 PM	50.0	40.4	03:20 PM - 03:25 PM	54.6	40.4	06:00 PM - 06:05 PM	52.9	44.0
12:45 PM - 12:50 PM	51.4	41.4	03:25 PM - 03:30 PM	52.1	41.3	06:05 PM - 06:10 PM	54.3	44.6
12:50 PM - 12:55 PM	50.9	40.3	03:30 PM - 03:35 PM	51.6	41.8	06:10 PM - 06:15 PM	50.1	44.1
12:55 PM - 01:00 PM	52.1	42.5	03:35 PM - 03:40 PM	58.5	47.2	06:15 PM - 06:20 PM	56.3	44.3
01:00 PM - 01:05 PM	53.4	42.0	03:40 PM - 03:45 PM	53.2	42.1	06:20 PM - 06:25 PM	56.4	44.7
01:05 PM - 01:10 PM	51.0	40.3	03:45 PM - 03:50 PM	61.7	45.6	06:25 PM - 06:30 PM	55.4	45.6
01:10 PM - 01:15 PM	49.9	39.8	03:50 PM - 03:55 PM	54.5	45.0	06:30 PM - 06:35 PM	55.8	45.2
01:15 PM - 01:20 PM	49.7	40.9	03:55 PM - 04:00 PM	54.8	43.0	06:35 PM - 06:40 PM	54.6	45.6
01:20 PM - 01:25 PM	50.1	40.8	04:00 PM - 04:05 PM	58.7	49.6	06:40 PM - 06:45 PM	55.2	44.8
01:25 PM - 01:30 PM	47.2	40.0	04:05 PM - 04:10 PM	54.0	47.4	06:45 PM - 06:50 PM	56.6	45.5
01:30 PM - 01:35 PM	50.0	40.5	04:10 PM - 04:15 PM	58.0	45.1	06:50 PM - 06:55 PM	64.8	45.6
01:35 PM - 01:40 PM	49.0	40.2	04:15 PM - 04:20 PM	62.4	43.6	06:55 PM - 07:00 PM	52.5	45.1
01:40 PM - 01:45 PM	52.0	40.4	04:20 PM - 04:25 PM	53.4	43.4	07:00 PM - 07:05 PM	55.0	44.0
01:45 PM - 01:50 PM	53.4	41.1	04:25 PM - 04:30 PM	49.3	41.5	07:05 PM - 07:10 PM	54.1	44.3
01:50 PM - 01:55 PM	57.0	39.7	04:30 PM - 04:35 PM	54.3	43.0	07:10 PM - 07:15 PM	52.5	44.5
01:55 PM - 02:00 PM	51.3	43.9	04:35 PM - 04:40 PM	56.4	46.0	07:15 PM - 07:20 PM	48.4	44.4
02:00 PM - 02:05 PM	52.7	44.4	04:40 PM - 04:45 PM	63.1	49.5	07:20 PM - 07:25 PM	53.8	46.4
02:05 PM - 02:10 PM	59.9	40.7	04:45 PM - 04:50 PM	59.5	47.9	07:25 PM - 07:30 PM	54.6	45.9
02:10 PM - 02:15 PM	52.6	44.2	04:50 PM - 04:55 PM	61.2	46.4	07:30 PM - 07:35 PM	53.6	45.0
02:15 PM - 02:20 PM	68.3	44.7	04:55 PM - 05:00 PM	63.1	47.3	07:35 PM - 07:40 PM	58.3	47.0
02:20 PM - 02:25 PM	50.6	41.6	05:00 PM - 05:05 PM	53.7	45.0	07:40 PM - 07:45 PM	52.7	44.3
02:25 PM - 02:30 PM	53.7	43.0	05:05 PM - 05:10 PM	58.0	47.2	07:45 PM - 07:50 PM	53.6	46.4
02:30 PM - 02:35 PM	57.0	38.7	05:10 PM - 05:15 PM	54.2	45.8	07:50 PM - 07:55 PM	54.9	46.2
02:35 PM - 02:40 PM	50.7	37.1	05:15 PM - 05:20 PM	59.7	48.6	07:55 PM - 08:00 PM	58.1	46.1

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Approved by

Sarayuth Jittrantont  
Assistant General Manager



## Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230  
P/O : RJN-BW-012/65  
Project Name : Chonburi Bowin  
Project Location :

Lot ID: 22144022  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report Number : 2534255-1

Page 2 of 3

Sample Number 22144022-9  
Parameter Noise Level (Leq 5 min)  
Location N2 : มัสยิดบุรุษอิสลาม  
Measurement Date Dec 20 - Dec 21, 2022  
Measurement by Jaradrawee Sriuksa ทะเบียนเลขที่ ๖-323-๖-9483  
Sound Level meter Serial No. 00709746

Dec 20, 2022	Leq	L90	Dec 20 - Dec 21, 2022	Leq	L90	Dec 21, 2022	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
08:00 PM - 08:05 PM	55.1	45.6	10:40 PM - 10:45 PM	44.1	41.9	01:20 AM - 01:25 AM	42.5	41.4
08:05 PM - 08:10 PM	56.2	45.5	10:45 PM - 10:50 PM	49.9	42.5	01:25 AM - 01:30 AM	43.9	41.8
08:10 PM - 08:15 PM	55.9	45.0	10:50 PM - 10:55 PM	44.9	42.6	01:30 AM - 01:35 AM	44.7	41.4
08:15 PM - 08:20 PM	50.1	45.2	10:55 PM - 11:00 PM	50.1	42.2	01:35 AM - 01:40 AM	44.6	42.3
08:20 PM - 08:25 PM	55.6	46.0	11:00 PM - 11:05 PM	46.2	42.2	01:40 AM - 01:45 AM	44.2	42.0
08:25 PM - 08:30 PM	55.7	45.3	11:05 PM - 11:10 PM	44.4	40.6	01:45 AM - 01:50 AM	44.8	42.8
08:30 PM - 08:35 PM	53.2	44.7	11:10 PM - 11:15 PM	45.7	39.9	01:50 AM - 01:55 AM	47.2	43.1
08:35 PM - 08:40 PM	52.7	43.8	11:15 PM - 11:20 PM	47.4	40.1	01:55 AM - 02:00 AM	43.5	41.6
08:40 PM - 08:45 PM	50.4	43.7	11:20 PM - 11:25 PM	43.2	39.0	02:00 AM - 02:05 AM	42.8	40.3
08:45 PM - 08:50 PM	57.1	44.1	11:25 PM - 11:30 PM	42.2	39.7	02:05 AM - 02:10 AM	42.4	40.7
08:50 PM - 08:55 PM	49.9	43.0	11:30 PM - 11:35 PM	43.8	39.9	02:10 AM - 02:15 AM	43.1	40.8
08:55 PM - 09:00 PM	50.4	43.3	11:35 PM - 11:40 PM	44.7	40.2	02:15 AM - 02:20 AM	55.1	42.0
09:00 PM - 09:05 PM	48.7	42.8	11:40 PM - 11:45 PM	45.6	40.7	02:20 AM - 02:25 AM	42.8	40.3
09:05 PM - 09:10 PM	52.2	43.5	11:45 PM - 11:50 PM	42.0	40.3	02:25 AM - 02:30 AM	42.6	40.1
09:10 PM - 09:15 PM	50.4	42.4	11:50 PM - 11:55 PM	46.1	40.8	02:30 AM - 02:35 AM	44.7	39.3
09:15 PM - 09:20 PM	46.0	42.9	11:55 PM - 12:00 AM	50.4	41.1	02:35 AM - 02:40 AM	41.2	39.6
09:20 PM - 09:25 PM	47.3	42.6	12:00 AM - 12:05 AM	48.8	39.7	02:40 AM - 02:45 AM	41.0	39.9
09:25 PM - 09:30 PM	58.3	43.1	12:05 AM - 12:10 AM	48.0	40.8	02:45 AM - 02:50 AM	41.1	40.0
09:30 PM - 09:35 PM	49.3	42.6	12:10 AM - 12:15 AM	45.1	40.7	02:50 AM - 02:55 AM	42.4	40.3
09:35 PM - 09:40 PM	56.1	42.9	12:15 AM - 12:20 AM	42.2	40.2	02:55 AM - 03:00 AM	44.4	40.1
09:40 PM - 09:45 PM	49.7	41.9	12:20 AM - 12:25 AM	49.6	40.4	03:00 AM - 03:05 AM	41.9	39.3
09:45 PM - 09:50 PM	45.6	42.1	12:25 AM - 12:30 AM	43.3	40.9	03:05 AM - 03:10 AM	44.6	41.9
09:50 PM - 09:55 PM	45.9	42.3	12:30 AM - 12:35 AM	43.2	41.2	03:10 AM - 03:15 AM	44.6	41.5
09:55 PM - 10:00 PM	48.9	42.2	12:35 AM - 12:40 AM	47.1	41.3	03:15 AM - 03:20 AM	48.1	41.9
10:00 PM - 10:05 PM	50.4	41.9	12:40 AM - 12:45 AM	44.0	41.3	03:20 AM - 03:25 AM	42.5	41.3
10:05 PM - 10:10 PM	49.7	42.1	12:45 AM - 12:50 AM	43.2	41.6	03:25 AM - 03:30 AM	46.3	41.9
10:10 PM - 10:15 PM	45.6	41.9	12:50 AM - 12:55 AM	42.8	41.9	03:30 AM - 03:35 AM	45.1	42.3
10:15 PM - 10:20 PM	46.8	41.5	12:55 AM - 01:00 AM	43.8	40.4	03:35 AM - 03:40 AM	44.4	41.5
10:20 PM - 10:25 PM	47.0	41.5	01:00 AM - 01:05 AM	46.4	40.9	03:40 AM - 03:45 AM	43.5	41.1
10:25 PM - 10:30 PM	46.5	41.9	01:05 AM - 01:10 AM	42.4	40.4	03:45 AM - 03:50 AM	43.8	42.1
10:30 PM - 10:35 PM	49.1	41.2	01:10 AM - 01:15 AM	43.4	41.3	03:50 AM - 03:55 AM	43.7	42.4
10:35 PM - 10:40 PM	50.6	42.2	01:15 AM - 01:20 AM	43.6	41.5	03:55 AM - 04:00 AM	46.3	43.4

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Approved by

Sarayuth Jittrantont  
Assistant General Manager





## Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230  
P/O : RJN-BW-012/65  
Project Name : Chonburi Bowin  
Project Location :

Lot ID: 22144022  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report Number : 2534255-1

Page 3 of 3

Sample Number 22144022-9  
Parameter Noise Level (Leq 5 min)  
Location N2 : มัสยิดบุรุษอิสลาม  
Measurement Date Dec 20 - Dec 21, 2022  
Measurement by Jaradrawee Sriuksa ทะเบียนเลขที่ ๖-323-๖-9483  
Sound Level meter Serial No. 00709746

Dec 21, 2022 Time	Leq dB(A)	L90 dB(A)	Dec 21, 2022 Time	Leq dB(A)	L90 dB(A)	Dec 21, 2022 Time	Leq dB(A)	L90 dB(A)
04:00 AM - 04:05 AM	48.5	41.9	06:40 AM - 06:45 AM	57.9	50.3	09:20 AM - 09:25 AM	51.6	45.6
04:05 AM - 04:10 AM	46.2	41.7	06:45 AM - 06:50 AM	55.8	48.6	09:25 AM - 09:30 AM	55.4	47.3
04:10 AM - 04:15 AM	53.7	41.9	06:50 AM - 06:55 AM	57.7	50.7	09:30 AM - 09:35 AM	59.8	47.6
04:15 AM - 04:20 AM	44.7	41.4	06:55 AM - 07:00 AM	60.0	51.3	09:35 AM - 09:40 AM	68.1	46.7
04:20 AM - 04:25 AM	44.2	41.3	07:00 AM - 07:05 AM	56.1	49.9	09:40 AM - 09:45 AM	53.6	46.2
04:25 AM - 04:30 AM	49.5	40.8	07:05 AM - 07:10 AM	57.2	49.3	09:45 AM - 09:50 AM	54.8	47.1
04:30 AM - 04:35 AM	49.0	39.9	07:10 AM - 07:15 AM	56.4	49.8	09:50 AM - 09:55 AM	53.4	45.2
04:35 AM - 04:40 AM	42.5	40.8	07:15 AM - 07:20 AM	59.1	51.0	09:55 AM - 10:00 AM	53.6	44.8
04:40 AM - 04:45 AM	44.9	41.0	07:20 AM - 07:25 AM	57.2	48.6	10:00 AM - 10:05 AM	56.3	45.9
04:45 AM - 04:50 AM	48.9	41.9	07:25 AM - 07:30 AM	57.5	49.5	10:05 AM - 10:10 AM	52.8	44.3
04:50 AM - 04:55 AM	47.4	41.8	07:30 AM - 07:35 AM	55.7	48.4	10:10 AM - 10:15 AM	54.3	44.2
04:55 AM - 05:00 AM	59.7	42.7	07:35 AM - 07:40 AM	59.1	49.2	10:15 AM - 10:20 AM	52.5	44.2
05:00 AM - 05:05 AM	64.1	42.1	07:40 AM - 07:45 AM	70.0	48.9	10:20 AM - 10:25 AM	53.4	45.9
05:05 AM - 05:10 AM	44.9	42.6	07:45 AM - 07:50 AM	65.9	50.0	10:25 AM - 10:30 AM	54.0	50.1
05:10 AM - 05:15 AM	52.8	43.5	07:50 AM - 07:55 AM	57.0	49.8	10:30 AM - 10:35 AM	52.8	45.6
05:15 AM - 05:20 AM	46.7	43.4	07:55 AM - 08:00 AM	57.0	50.6	10:35 AM - 10:40 AM	49.4	43.7
05:20 AM - 05:25 AM	50.5	43.2	08:00 AM - 08:05 AM	59.1	50.3	10:40 AM - 10:45 AM	54.9	43.4
05:25 AM - 05:30 AM	48.3	42.9	08:05 AM - 08:10 AM	58.5	50.8	10:45 AM - 10:50 AM	50.0	44.4
05:30 AM - 05:35 AM	47.6	43.1	08:10 AM - 08:15 AM	57.5	50.0	10:50 AM - 10:55 AM	54.0	46.2
05:35 AM - 05:40 AM	50.0	44.0	08:15 AM - 08:20 AM	57.9	49.6	10:55 AM - 11:00 AM	52.5	46.2
05:40 AM - 05:45 AM	48.9	43.6	08:20 AM - 08:25 AM	58.2	47.6	11:00 AM - 11:05 AM	52.7	46.1
05:45 AM - 05:50 AM	48.0	43.7	08:25 AM - 08:30 AM	60.6	48.2	11:05 AM - 11:10 AM	52.3	46.2
05:50 AM - 05:55 AM	55.9	45.0	08:30 AM - 08:35 AM	55.2	48.5	11:10 AM - 11:15 AM	48.9	43.8
05:55 AM - 06:00 AM	55.9	45.0	08:35 AM - 08:40 AM	55.8	47.6	11:15 AM - 11:20 AM	52.3	44.4
06:00 AM - 06:05 AM	54.9	46.0	08:40 AM - 08:45 AM	52.1	46.2	11:20 AM - 11:25 AM	49.1	45.8
06:05 AM - 06:10 AM	53.5	46.9	08:45 AM - 08:50 AM	59.4	57.9	11:25 AM - 11:30 AM	55.7	44.8
06:10 AM - 06:15 AM	55.8	47.4	08:50 AM - 08:55 AM	60.0	47.3	11:30 AM - 11:35 AM	48.5	42.2
06:15 AM - 06:20 AM	54.4	47.0	08:55 AM - 09:00 AM	53.9	46.1	11:35 AM - 11:40 AM	56.9	43.0
06:20 AM - 06:25 AM	57.7	48.7	09:00 AM - 09:05 AM	56.0	45.7	11:40 AM - 11:45 AM	55.0	43.0
06:25 AM - 06:30 AM	53.7	48.6	09:05 AM - 09:10 AM	54.5	45.7	11:45 AM - 11:50 AM	50.6	44.6
06:30 AM - 06:35 AM	55.4	48.6	09:10 AM - 09:15 AM	56.5	45.9	11:50 AM - 11:55 AM	52.1	42.3
06:35 AM - 06:40 AM	60.3	48.5	09:15 AM - 09:20 AM	52.6	44.2	11:55 AM - 12:00 PM	65.0	47.5

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Approved by

Sarayuth Jittrantont  
Assistant General Manager



## Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230  
P/O : RJN-BW-012/65  
Project Name : Chonburi Bowin  
Project Location :

Lot ID: 22144022  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report Number : 2534256-1

Page 1 of 3

Sample Number 22144022-10  
Parameter Noise Level (Leq 5 min)  
Location N2 : มัสยิดนูรุลอิสลาม  
Measurement Date Dec 21 - Dec 22, 2022  
Measurement by Jaradrawee Sriuksa ทะเบียนเลขที่ ว-323-จ-9483  
Sound Level meter Serial No. 00709746

Dec 21, 2022 Time	Leq dB(A)	L90 dB(A)	Dec 21, 2022 Time	Leq dB(A)	L90 dB(A)	Dec 21, 2022 Time	Leq dB(A)	L90 dB(A)
12:00 PM - 12:05 PM	50.2	45.5	02:40 PM - 02:45 PM	57.5	41.5	05:20 PM - 05:25 PM	54.4	44.2
12:05 PM - 12:10 PM	51.7	44.9	02:45 PM - 02:50 PM	47.9	39.8	05:25 PM - 05:30 PM	53.1	46.4
12:10 PM - 12:15 PM	55.7	43.5	02:50 PM - 02:55 PM	49.3	41.6	05:30 PM - 05:35 PM	55.5	46.5
12:15 PM - 12:20 PM	52.6	43.2	02:55 PM - 03:00 PM	48.7	41.6	05:35 PM - 05:40 PM	58.9	48.4
12:20 PM - 12:25 PM	54.0	42.3	03:00 PM - 03:05 PM	54.6	42.1	05:40 PM - 05:45 PM	64.2	45.8
12:25 PM - 12:30 PM	59.6	46.1	03:05 PM - 03:10 PM	47.8	41.7	05:45 PM - 05:50 PM	54.9	45.2
12:30 PM - 12:35 PM	58.5	46.4	03:10 PM - 03:15 PM	58.6	43.2	05:50 PM - 05:55 PM	51.9	43.9
12:35 PM - 12:40 PM	57.9	47.1	03:15 PM - 03:20 PM	64.1	42.0	05:55 PM - 06:00 PM	54.9	43.9
12:40 PM - 12:45 PM	57.4	45.1	03:20 PM - 03:25 PM	53.5	43.4	06:00 PM - 06:05 PM	52.7	46.1
12:45 PM - 12:50 PM	57.2	43.8	03:25 PM - 03:30 PM	48.5	42.8	06:05 PM - 06:10 PM	50.8	43.9
12:50 PM - 12:55 PM	58.9	45.9	03:30 PM - 03:35 PM	48.3	41.9	06:10 PM - 06:15 PM	55.1	44.9
12:55 PM - 01:00 PM	60.1	45.9	03:35 PM - 03:40 PM	54.3	42.5	06:15 PM - 06:20 PM	53.1	44.2
01:00 PM - 01:05 PM	57.6	42.4	03:40 PM - 03:45 PM	62.9	43.1	06:20 PM - 06:25 PM	51.7	45.3
01:05 PM - 01:10 PM	56.2	43.6	03:45 PM - 03:50 PM	58.3	43.4	06:25 PM - 06:30 PM	51.0	44.7
01:10 PM - 01:15 PM	55.3	42.4	03:50 PM - 03:55 PM	53.4	43.7	06:30 PM - 06:35 PM	53.1	44.9
01:15 PM - 01:20 PM	48.0	41.9	03:55 PM - 04:00 PM	53.9	42.7	06:35 PM - 06:40 PM	54.8	46.9
01:20 PM - 01:25 PM	54.6	41.1	04:00 PM - 04:05 PM	53.1	42.7	06:40 PM - 06:45 PM	53.0	45.4
01:25 PM - 01:30 PM	51.0	45.0	04:05 PM - 04:10 PM	57.5	42.3	06:45 PM - 06:50 PM	56.5	45.4
01:30 PM - 01:35 PM	50.1	44.2	04:10 PM - 04:15 PM	48.1	40.8	06:50 PM - 06:55 PM	56.0	45.8
01:35 PM - 01:40 PM	47.6	42.8	04:15 PM - 04:20 PM	52.2	42.5	06:55 PM - 07:00 PM	63.0	44.9
01:40 PM - 01:45 PM	54.4	45.4	04:20 PM - 04:25 PM	53.6	42.9	07:00 PM - 07:05 PM	54.2	44.5
01:45 PM - 01:50 PM	50.7	43.9	04:25 PM - 04:30 PM	48.9	40.6	07:05 PM - 07:10 PM	58.9	45.6
01:50 PM - 01:55 PM	53.9	42.7	04:30 PM - 04:35 PM	52.4	42.1	07:10 PM - 07:15 PM	52.6	44.8
01:55 PM - 02:00 PM	54.0	42.8	04:35 PM - 04:40 PM	53.1	43.4	07:15 PM - 07:20 PM	53.9	45.5
02:00 PM - 02:05 PM	54.5	43.0	04:40 PM - 04:45 PM	53.5	43.8	07:20 PM - 07:25 PM	53.5	45.1
02:05 PM - 02:10 PM	51.3	43.4	04:45 PM - 04:50 PM	51.1	43.4	07:25 PM - 07:30 PM	53.7	45.0
02:10 PM - 02:15 PM	48.9	43.2	04:50 PM - 04:55 PM	53.6	45.1	07:30 PM - 07:35 PM	49.3	43.0
02:15 PM - 02:20 PM	48.5	42.3	04:55 PM - 05:00 PM	56.6	45.0	07:35 PM - 07:40 PM	54.9	42.5
02:20 PM - 02:25 PM	51.2	42.8	05:00 PM - 05:05 PM	58.5	45.0	07:40 PM - 07:45 PM	49.5	41.4
02:25 PM - 02:30 PM	55.2	43.3	05:05 PM - 05:10 PM	51.2	44.5	07:45 PM - 07:50 PM	52.7	41.6
02:30 PM - 02:35 PM	53.8	42.8	05:10 PM - 05:15 PM	59.4	47.6	07:50 PM - 07:55 PM	51.9	43.9
02:35 PM - 02:40 PM	50.0	42.6	05:15 PM - 05:20 PM	53.3	44.9	07:55 PM - 08:00 PM	51.1	44.0

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Approved by

Sarayuth Jittrantont  
Assistant General Manager



## Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230  
P/O : RJN-BW-012/65  
Project Name : Chonburi Bowin  
Project Location :

Lot ID: 22144022  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report Number : 2534256-1

Page 2 of 3

Sample Number 22144022-10  
Parameter Noise Level (Leq 5 min)  
Location N2 : มัสยิดบุรุษอิสลาม  
Measurement Date Dec 21 - Dec 22, 2022  
Measurement by Jaradrawee Sriuksa ทะเบียนเลขที่ ๖-323-๖-9483  
Sound Level meter Serial No. 00709746

Dec 21, 2022	Leq	L90	Dec 21 - Dec 22, 2022	Leq	L90	Dec 22, 2022	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
08:00 PM - 08:05 PM	58.9	45.2	10:40 PM - 10:45 PM	45.5	43.4	01:20 AM - 01:25 AM	42.2	40.9
08:05 PM - 08:10 PM	58.0	43.6	10:45 PM - 10:50 PM	45.1	43.9	01:25 AM - 01:30 AM	42.2	40.9
08:10 PM - 08:15 PM	54.4	43.5	10:50 PM - 10:55 PM	46.0	43.9	01:30 AM - 01:35 AM	42.5	40.8
08:15 PM - 08:20 PM	52.4	42.9	10:55 PM - 11:00 PM	47.8	43.9	01:35 AM - 01:40 AM	48.7	41.9
08:20 PM - 08:25 PM	54.2	44.9	11:00 PM - 11:05 PM	45.9	43.8	01:40 AM - 01:45 AM	46.2	42.6
08:25 PM - 08:30 PM	54.0	44.7	11:05 PM - 11:10 PM	44.6	43.5	01:45 AM - 01:50 AM	45.8	41.8
08:30 PM - 08:35 PM	50.5	42.8	11:10 PM - 11:15 PM	46.1	43.4	01:50 AM - 01:55 AM	44.0	42.8
08:35 PM - 08:40 PM	52.2	44.2	11:15 PM - 11:20 PM	44.7	43.4	01:55 AM - 02:00 AM	47.4	43.3
08:40 PM - 08:45 PM	51.1	44.6	11:20 PM - 11:25 PM	44.6	42.6	02:00 AM - 02:05 AM	47.6	43.5
08:45 PM - 08:50 PM	48.4	43.5	11:25 PM - 11:30 PM	46.0	42.5	02:05 AM - 02:10 AM	45.2	43.7
08:50 PM - 08:55 PM	52.4	45.3	11:30 PM - 11:35 PM	44.4	42.2	02:10 AM - 02:15 AM	62.0	44.2
08:55 PM - 09:00 PM	52.8	43.2	11:35 PM - 11:40 PM	45.6	43.5	02:15 AM - 02:20 AM	45.6	43.7
09:00 PM - 09:05 PM	52.5	44.6	11:40 PM - 11:45 PM	45.4	43.4	02:20 AM - 02:25 AM	45.2	43.7
09:05 PM - 09:10 PM	48.7	43.6	11:45 PM - 11:50 PM	44.9	43.5	02:25 AM - 02:30 AM	44.8	43.5
09:10 PM - 09:15 PM	53.8	43.6	11:50 PM - 11:55 PM	50.4	42.0	02:30 AM - 02:35 AM	49.4	42.0
09:15 PM - 09:20 PM	51.9	44.2	11:55 PM - 12:00 AM	50.1	42.9	02:35 AM - 02:40 AM	43.3	41.7
09:20 PM - 09:25 PM	51.5	44.9	12:00 AM - 12:05 AM	48.5	43.4	02:40 AM - 02:45 AM	43.0	41.8
09:25 PM - 09:30 PM	53.1	44.9	12:05 AM - 12:10 AM	44.5	42.8	02:45 AM - 02:50 AM	44.1	41.9
09:30 PM - 09:35 PM	47.3	44.0	12:10 AM - 12:15 AM	45.9	42.7	02:50 AM - 02:55 AM	43.5	41.5
09:35 PM - 09:40 PM	50.9	44.0	12:15 AM - 12:20 AM	44.6	43.3	02:55 AM - 03:00 AM	43.1	41.9
09:40 PM - 09:45 PM	51.3	43.3	12:20 AM - 12:25 AM	45.3	40.7	03:00 AM - 03:05 AM	45.2	42.2
09:45 PM - 09:50 PM	47.2	43.2	12:25 AM - 12:30 AM	47.3	41.4	03:05 AM - 03:10 AM	43.3	42.2
09:50 PM - 09:55 PM	53.0	43.7	12:30 AM - 12:35 AM	42.4	41.0	03:10 AM - 03:15 AM	47.2	42.4
09:55 PM - 10:00 PM	47.3	44.0	12:35 AM - 12:40 AM	44.0	41.7	03:15 AM - 03:20 AM	45.2	42.2
10:00 PM - 10:05 PM	51.9	45.3	12:40 AM - 12:45 AM	44.5	43.0	03:20 AM - 03:25 AM	46.7	42.5
10:05 PM - 10:10 PM	48.7	44.4	12:45 AM - 12:50 AM	44.8	43.4	03:25 AM - 03:30 AM	44.6	42.5
10:10 PM - 10:15 PM	51.8	43.8	12:50 AM - 12:55 AM	45.2	40.8	03:30 AM - 03:35 AM	44.3	42.0
10:15 PM - 10:20 PM	50.9	43.4	12:55 AM - 01:00 AM	43.3	41.8	03:35 AM - 03:40 AM	43.7	42.3
10:20 PM - 10:25 PM	49.1	43.6	01:00 AM - 01:05 AM	43.3	42.1	03:40 AM - 03:45 AM	44.6	43.0
10:25 PM - 10:30 PM	48.7	43.1	01:05 AM - 01:10 AM	43.5	42.1	03:45 AM - 03:50 AM	43.0	41.1
10:30 PM - 10:35 PM	46.9	42.3	01:10 AM - 01:15 AM	42.4	41.4	03:50 AM - 03:55 AM	43.3	41.3
10:35 PM - 10:40 PM	52.6	43.0	01:15 AM - 01:20 AM	43.1	40.6	03:55 AM - 04:00 AM	45.4	41.8

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Approved by

Sarayuth Jittrantont  
Assistant General Manager



## Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230  
P/O : RJN-BW-012/65  
Project Name : Chonburi Bowin  
Project Location :

Lot ID: 22144022  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report Number : 2534256-1

Page 3 of 3

Sample Number 22144022-10  
Parameter Noise Level (Leq 5 min)  
Location N2 : มัสยิดบุรุษอิสลาม  
Measurement Date Dec 21 - Dec 22, 2022  
Measurement by Jaradrawee Sriuksa ทะเบียนเลขที่ ๖-323-๖-9483  
Sound Level meter Serial No. 00709746

Dec 22, 2022 Time	Leq dB(A)	L90 dB(A)	Dec 22, 2022 Time	Leq dB(A)	L90 dB(A)	Dec 22, 2022 Time	Leq dB(A)	L90 dB(A)
04:00 AM - 04:05 AM	51.3	41.8	06:40 AM - 06:45 AM	53.6	48.1	09:20 AM - 09:25 AM	54.6	48.2
04:05 AM - 04:10 AM	42.7	41.6	06:45 AM - 06:50 AM	57.8	49.3	09:25 AM - 09:30 AM	54.4	48.0
04:10 AM - 04:15 AM	48.0	41.5	06:50 AM - 06:55 AM	58.7	50.4	09:30 AM - 09:35 AM	54.3	48.1
04:15 AM - 04:20 AM	46.1	41.6	06:55 AM - 07:00 AM	59.9	48.2	09:35 AM - 09:40 AM	56.6	47.8
04:20 AM - 04:25 AM	44.9	41.4	07:00 AM - 07:05 AM	55.3	49.4	09:40 AM - 09:45 AM	58.3	47.2
04:25 AM - 04:30 AM	44.9	41.3	07:05 AM - 07:10 AM	56.0	48.7	09:45 AM - 09:50 AM	57.6	51.5
04:30 AM - 04:35 AM	47.3	41.9	07:10 AM - 07:15 AM	58.2	51.0	09:50 AM - 09:55 AM	71.1	48.1
04:35 AM - 04:40 AM	47.3	42.1	07:15 AM - 07:20 AM	56.8	50.8	09:55 AM - 10:00 AM	54.8	45.9
04:40 AM - 04:45 AM	47.7	41.5	07:20 AM - 07:25 AM	57.1	49.7	10:00 AM - 10:05 AM	51.9	45.6
04:45 AM - 04:50 AM	45.3	42.7	07:25 AM - 07:30 AM	57.9	51.2	10:05 AM - 10:10 AM	59.1	46.3
04:50 AM - 04:55 AM	44.8	42.2	07:30 AM - 07:35 AM	56.6	49.5	10:10 AM - 10:15 AM	49.4	44.2
04:55 AM - 05:00 AM	48.1	42.9	07:35 AM - 07:40 AM	53.9	47.1	10:15 AM - 10:20 AM	52.5	45.9
05:00 AM - 05:05 AM	66.5	43.3	07:40 AM - 07:45 AM	56.6	48.8	10:20 AM - 10:25 AM	51.4	45.2
05:05 AM - 05:10 AM	50.9	43.8	07:45 AM - 07:50 AM	54.5	48.1	10:25 AM - 10:30 AM	53.3	44.7
05:10 AM - 05:15 AM	49.2	43.8	07:50 AM - 07:55 AM	52.4	47.5	10:30 AM - 10:35 AM	56.3	45.2
05:15 AM - 05:20 AM	53.1	43.6	07:55 AM - 08:00 AM	54.6	48.4	10:35 AM - 10:40 AM	55.4	45.2
05:20 AM - 05:25 AM	53.2	43.1	08:00 AM - 08:05 AM	59.7	48.5	10:40 AM - 10:45 AM	51.3	43.9
05:25 AM - 05:30 AM	49.8	43.8	08:05 AM - 08:10 AM	55.4	48.9	10:45 AM - 10:50 AM	51.3	43.6
05:30 AM - 05:35 AM	48.1	43.7	08:10 AM - 08:15 AM	61.1	47.8	10:50 AM - 10:55 AM	52.1	43.7
05:35 AM - 05:40 AM	47.5	43.8	08:15 AM - 08:20 AM	58.7	47.4	10:55 AM - 11:00 AM	58.5	43.6
05:40 AM - 05:45 AM	50.5	44.7	08:20 AM - 08:25 AM	53.3	46.3	11:00 AM - 11:05 AM	52.0	45.2
05:45 AM - 05:50 AM	54.8	45.3	08:25 AM - 08:30 AM	55.1	47.3	11:05 AM - 11:10 AM	55.5	46.4
05:50 AM - 05:55 AM	50.2	45.0	08:30 AM - 08:35 AM	57.5	48.3	11:10 AM - 11:15 AM	50.9	43.5
05:55 AM - 06:00 AM	50.0	45.1	08:35 AM - 08:40 AM	57.4	50.2	11:15 AM - 11:20 AM	52.0	43.7
06:00 AM - 06:05 AM	49.7	45.6	08:40 AM - 08:45 AM	57.9	46.6	11:20 AM - 11:25 AM	57.0	43.0
06:05 AM - 06:10 AM	54.9	47.5	08:45 AM - 08:50 AM	54.2	47.8	11:25 AM - 11:30 AM	51.8	43.8
06:10 AM - 06:15 AM	56.8	46.4	08:50 AM - 08:55 AM	57.2	48.1	11:30 AM - 11:35 AM	50.7	43.2
06:15 AM - 06:20 AM	54.5	47.1	08:55 AM - 09:00 AM	58.8	52.2	11:35 AM - 11:40 AM	51.8	42.5
06:20 AM - 06:25 AM	56.8	48.8	09:00 AM - 09:05 AM	58.6	47.5	11:40 AM - 11:45 AM	57.5	43.8
06:25 AM - 06:30 AM	57.4	48.9	09:05 AM - 09:10 AM	56.8	47.8	11:45 AM - 11:50 AM	51.1	44.5
06:30 AM - 06:35 AM	58.2	48.4	09:10 AM - 09:15 AM	53.7	45.8	11:50 AM - 11:55 AM	49.5	43.7
06:35 AM - 06:40 AM	55.5	47.5	09:15 AM - 09:20 AM	55.4	47.2	11:55 AM - 12:00 PM	54.3	45.3

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Approved by

Sarayuth Jittrantont  
Assistant General Manager



## Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230  
P/O : RJN-BW-012/65  
Project Name : Chonburi Bowin  
Project Location :

Lot ID: 22144022  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report Number : 2534257-1

Page 1 of 3

Sample Number 22144022-11  
Parameter Noise Level (Leq 5 min)  
Location N2 : มัสยิดบุรุษอิสลาม  
Measurement Date Dec 22 - Dec 23, 2022  
Measurement by Jaradrawee Sriuksa ทะเบียนเลขที่ ว-323-จ-9483  
Sound Level meter Serial No. 00709746

Dec 22, 2022 Time	Leq dB(A)	L90 dB(A)	Dec 22, 2022 Time	Leq dB(A)	L90 dB(A)	Dec 22, 2022 Time	Leq dB(A)	L90 dB(A)
12:00 PM - 12:05 PM	62.7	62.0	02:40 PM - 02:45 PM	52.0	41.7	05:20 PM - 05:25 PM	55.5	46.3
12:05 PM - 12:10 PM	63.5	44.0	02:45 PM - 02:50 PM	51.7	43.2	05:25 PM - 05:30 PM	54.4	48.6
12:10 PM - 12:15 PM	51.0	44.1	02:50 PM - 02:55 PM	50.8	42.2	05:30 PM - 05:35 PM	57.4	48.4
12:15 PM - 12:20 PM	49.0	42.8	02:55 PM - 03:00 PM	54.6	42.7	05:35 PM - 05:40 PM	60.9	51.4
12:20 PM - 12:25 PM	56.8	44.9	03:00 PM - 03:05 PM	54.5	42.5	05:40 PM - 05:45 PM	65.4	51.2
12:25 PM - 12:30 PM	51.7	42.1	03:05 PM - 03:10 PM	48.7	41.1	05:45 PM - 05:50 PM	56.3	48.7
12:30 PM - 12:35 PM	52.4	42.4	03:10 PM - 03:15 PM	47.0	39.9	05:50 PM - 05:55 PM	54.5	48.0
12:35 PM - 12:40 PM	52.8	41.8	03:15 PM - 03:20 PM	52.5	41.5	05:55 PM - 06:00 PM	59.0	46.5
12:40 PM - 12:45 PM	54.8	42.9	03:20 PM - 03:25 PM	64.0	40.6	06:00 PM - 06:05 PM	52.7	47.1
12:45 PM - 12:50 PM	51.3	43.3	03:25 PM - 03:30 PM	57.8	39.2	06:05 PM - 06:10 PM	54.3	47.1
12:50 PM - 12:55 PM	49.3	41.7	03:30 PM - 03:35 PM	52.6	43.0	06:10 PM - 06:15 PM	54.2	46.9
12:55 PM - 01:00 PM	55.2	41.5	03:35 PM - 03:40 PM	57.0	40.9	06:15 PM - 06:20 PM	59.4	46.7
01:00 PM - 01:05 PM	51.7	43.2	03:40 PM - 03:45 PM	58.0	42.5	06:20 PM - 06:25 PM	55.7	46.8
01:05 PM - 01:10 PM	53.0	43.4	03:45 PM - 03:50 PM	49.2	43.4	06:25 PM - 06:30 PM	53.3	45.8
01:10 PM - 01:15 PM	45.6	41.5	03:50 PM - 03:55 PM	52.6	43.8	06:30 PM - 06:35 PM	53.2	46.4
01:15 PM - 01:20 PM	50.0	42.1	03:55 PM - 04:00 PM	55.2	43.1	06:35 PM - 06:40 PM	56.8	47.0
01:20 PM - 01:25 PM	45.7	41.4	04:00 PM - 04:05 PM	57.9	44.4	06:40 PM - 06:45 PM	58.8	48.0
01:25 PM - 01:30 PM	53.3	43.2	04:05 PM - 04:10 PM	54.3	43.9	06:45 PM - 06:50 PM	56.6	48.8
01:30 PM - 01:35 PM	46.0	42.1	04:10 PM - 04:15 PM	53.8	45.5	06:50 PM - 06:55 PM	58.2	49.0
01:35 PM - 01:40 PM	52.3	42.1	04:15 PM - 04:20 PM	53.7	45.8	06:55 PM - 07:00 PM	54.6	46.5
01:40 PM - 01:45 PM	47.4	42.3	04:20 PM - 04:25 PM	54.0	44.2	07:00 PM - 07:05 PM	63.3	46.7
01:45 PM - 01:50 PM	52.3	42.9	04:25 PM - 04:30 PM	51.1	45.1	07:05 PM - 07:10 PM	59.5	48.3
01:50 PM - 01:55 PM	53.4	42.2	04:30 PM - 04:35 PM	53.4	44.6	07:10 PM - 07:15 PM	57.3	48.0
01:55 PM - 02:00 PM	49.6	42.5	04:35 PM - 04:40 PM	56.5	46.1	07:15 PM - 07:20 PM	53.9	43.0
02:00 PM - 02:05 PM	52.5	42.2	04:40 PM - 04:45 PM	56.2	47.2	07:20 PM - 07:25 PM	52.3	42.6
02:05 PM - 02:10 PM	49.6	40.5	04:45 PM - 04:50 PM	66.3	52.3	07:25 PM - 07:30 PM	50.9	41.6
02:10 PM - 02:15 PM	55.0	42.3	04:50 PM - 04:55 PM	57.0	48.1	07:30 PM - 07:35 PM	54.1	39.2
02:15 PM - 02:20 PM	48.7	41.2	04:55 PM - 05:00 PM	57.2	48.8	07:35 PM - 07:40 PM	56.8	39.7
02:20 PM - 02:25 PM	49.0	40.4	05:00 PM - 05:05 PM	57.4	47.3	07:40 PM - 07:45 PM	54.1	40.5
02:25 PM - 02:30 PM	54.8	42.6	05:05 PM - 05:10 PM	55.4	45.7	07:45 PM - 07:50 PM	53.5	40.4
02:30 PM - 02:35 PM	51.6	42.1	05:10 PM - 05:15 PM	62.1	49.3	07:50 PM - 07:55 PM	51.8	41.1
02:35 PM - 02:40 PM	46.8	39.0	05:15 PM - 05:20 PM	66.1	48.4	07:55 PM - 08:00 PM	61.1	47.3

Approved by

Sarayuth Jittrantont  
Assistant General Manager

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## Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230  
P/O : RJN-BW-012/65  
Project Name : Chonburi Bowin  
Project Location :

Lot ID: 22144022  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report Number : 2534257-1

Page 2 of 3

Sample Number 22144022-11  
Parameter Noise Level (Leq 5 min)  
Location N2 : มัสยิดบุรีอิสลาม  
Measurement Date Dec 22 - Dec 23, 2022  
Measurement by Jaradrawee Sriuksa ทะเบียนเลขที่ ๖-323-๖-9483  
Sound Level meter Serial No. 00709746

Dec 22, 2022	Leq	L90	Dec 22 - Dec 23, 2022	Leq	L90	Dec 23, 2022	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
08:00 PM - 08:05 PM	54.4	42.8	10:40 PM - 10:45 PM	54.4	44.2	01:20 AM - 01:25 AM	43.6	41.7
08:05 PM - 08:10 PM	54.8	45.5	10:45 PM - 10:50 PM	52.6	44.3	01:25 AM - 01:30 AM	47.9	42.0
08:10 PM - 08:15 PM	56.5	45.6	10:50 PM - 10:55 PM	50.8	43.2	01:30 AM - 01:35 AM	43.0	41.0
08:15 PM - 08:20 PM	56.3	41.6	10:55 PM - 11:00 PM	51.9	43.7	01:35 AM - 01:40 AM	43.0	40.9
08:20 PM - 08:25 PM	51.1	40.2	11:00 PM - 11:05 PM	54.4	45.2	01:40 AM - 01:45 AM	42.3	41.2
08:25 PM - 08:30 PM	56.6	42.1	11:05 PM - 11:10 PM	51.8	42.8	01:45 AM - 01:50 AM	42.2	41.1
08:30 PM - 08:35 PM	64.1	51.3	11:10 PM - 11:15 PM	51.6	44.1	01:50 AM - 01:55 AM	42.9	40.7
08:35 PM - 08:40 PM	54.9	40.9	11:15 PM - 11:20 PM	52.2	43.7	01:55 AM - 02:00 AM	46.0	41.1
08:40 PM - 08:45 PM	48.5	39.9	11:20 PM - 11:25 PM	51.5	43.7	02:00 AM - 02:05 AM	43.6	41.1
08:45 PM - 08:50 PM	48.0	40.7	11:25 PM - 11:30 PM	54.1	41.4	02:05 AM - 02:10 AM	47.3	41.5
08:50 PM - 08:55 PM	50.2	40.7	11:30 PM - 11:35 PM	51.0	42.0	02:10 AM - 02:15 AM	44.0	42.5
08:55 PM - 09:00 PM	47.5	39.9	11:35 PM - 11:40 PM	47.5	42.0	02:15 AM - 02:20 AM	43.6	42.7
09:00 PM - 09:05 PM	52.0	40.5	11:40 PM - 11:45 PM	47.4	42.1	02:20 AM - 02:25 AM	44.9	43.0
09:05 PM - 09:10 PM	46.4	39.7	11:45 PM - 11:50 PM	51.5	43.9	02:25 AM - 02:30 AM	45.9	43.3
09:10 PM - 09:15 PM	47.9	41.1	11:50 PM - 11:55 PM	52.0	42.0	02:30 AM - 02:35 AM	46.3	42.2
09:15 PM - 09:20 PM	47.8	41.1	11:55 PM - 12:00 AM	51.3	44.8	02:35 AM - 02:40 AM	49.1	40.9
09:20 PM - 09:25 PM	45.8	40.9	12:00 AM - 12:05 AM	51.2	45.2	02:40 AM - 02:45 AM	45.0	41.5
09:25 PM - 09:30 PM	49.1	40.8	12:05 AM - 12:10 AM	50.8	45.0	02:45 AM - 02:50 AM	43.2	40.8
09:30 PM - 09:35 PM	54.2	40.9	12:10 AM - 12:15 AM	48.6	44.7	02:50 AM - 02:55 AM	42.0	40.5
09:35 PM - 09:40 PM	56.1	42.9	12:15 AM - 12:20 AM	49.4	44.6	02:55 AM - 03:00 AM	44.4	42.1
09:40 PM - 09:45 PM	52.4	42.3	12:20 AM - 12:25 AM	47.7	44.0	03:00 AM - 03:05 AM	44.7	42.8
09:45 PM - 09:50 PM	54.8	43.0	12:25 AM - 12:30 AM	48.8	44.7	03:05 AM - 03:10 AM	46.3	43.4
09:50 PM - 09:55 PM	52.5	42.7	12:30 AM - 12:35 AM	51.0	44.1	03:10 AM - 03:15 AM	46.8	43.7
09:55 PM - 10:00 PM	51.7	42.7	12:35 AM - 12:40 AM	54.7	43.2	03:15 AM - 03:20 AM	45.1	43.7
10:00 PM - 10:05 PM	50.9	41.9	12:40 AM - 12:45 AM	45.9	42.4	03:20 AM - 03:25 AM	46.9	43.5
10:05 PM - 10:10 PM	48.8	41.8	12:45 AM - 12:50 AM	44.0	42.3	03:25 AM - 03:30 AM	60.1	43.8
10:10 PM - 10:15 PM	50.6	42.1	12:50 AM - 12:55 AM	50.7	43.2	03:30 AM - 03:35 AM	47.7	43.8
10:15 PM - 10:20 PM	53.0	43.0	12:55 AM - 01:00 AM	45.8	42.3	03:35 AM - 03:40 AM	48.1	43.6
10:20 PM - 10:25 PM	51.8	42.6	01:00 AM - 01:05 AM	44.2	42.3	03:40 AM - 03:45 AM	45.7	44.0
10:25 PM - 10:30 PM	50.4	41.8	01:05 AM - 01:10 AM	45.3	42.6	03:45 AM - 03:50 AM	47.8	44.4
10:30 PM - 10:35 PM	51.5	43.4	01:10 AM - 01:15 AM	44.2	42.3	03:50 AM - 03:55 AM	53.3	42.8
10:35 PM - 10:40 PM	49.0	42.5	01:15 AM - 01:20 AM	44.7	41.6	03:55 AM - 04:00 AM	46.5	42.7

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Approved by

Sarayuth Jittrantont  
Assistant General Manager



## Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.  
 168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230  
 P/O : RJN-BW-012/65  
 Project Name : Chonburi Bowin  
 Project Location :

Lot ID: 22144022  
 Date Received : Dec 28, 2022  
 Date Reported : Jan 04, 2023  
 Report Number : 2534257-1

Page 3 of 3

Sample Number 22144022-11  
 Parameter Noise Level (Leq 5 min)  
 Location N2 : มัสยิดบุรุษอิสลาม  
 Measurement Date Dec 22 - Dec 23, 2022  
 Measurement by Jaradrawee Sriuksa ทะเบียนเลขที่ ๖-323-๖-9483  
 Sound Level meter Serial No. 00709746

Dec 23, 2022 Time	Leq dB(A)	L90 dB(A)	Dec 23, 2022 Time	Leq dB(A)	L90 dB(A)	Dec 23, 2022 Time	Leq dB(A)	L90 dB(A)
04:00 AM - 04:05 AM	46.7	43.7	06:40 AM - 06:45 AM	55.0	47.8	09:20 AM - 09:25 AM	54.2	45.3
04:05 AM - 04:10 AM	47.3	44.2	06:45 AM - 06:50 AM	54.8	48.6	09:25 AM - 09:30 AM	54.4	44.8
04:10 AM - 04:15 AM	47.1	44.7	06:50 AM - 06:55 AM	59.1	49.7	09:30 AM - 09:35 AM	52.4	44.6
04:15 AM - 04:20 AM	46.6	43.9	06:55 AM - 07:00 AM	55.2	48.9	09:35 AM - 09:40 AM	56.2	46.3
04:20 AM - 04:25 AM	53.7	44.4	07:00 AM - 07:05 AM	58.5	50.1	09:40 AM - 09:45 AM	66.7	46.8
04:25 AM - 04:30 AM	50.6	44.8	07:05 AM - 07:10 AM	58.9	51.5	09:45 AM - 09:50 AM	55.3	46.1
04:30 AM - 04:35 AM	46.2	43.5	07:10 AM - 07:15 AM	59.5	51.4	09:50 AM - 09:55 AM	52.1	45.8
04:35 AM - 04:40 AM	46.1	43.0	07:15 AM - 07:20 AM	58.2	52.3	09:55 AM - 10:00 AM	54.8	45.3
04:40 AM - 04:45 AM	49.5	43.0	07:20 AM - 07:25 AM	59.3	50.5	10:00 AM - 10:05 AM	56.4	46.4
04:45 AM - 04:50 AM	49.2	43.8	07:25 AM - 07:30 AM	62.8	50.2	10:05 AM - 10:10 AM	58.6	47.3
04:50 AM - 04:55 AM	48.6	44.1	07:30 AM - 07:35 AM	57.8	49.7	10:10 AM - 10:15 AM	59.7	47.8
04:55 AM - 05:00 AM	49.4	45.1	07:35 AM - 07:40 AM	56.1	48.8	10:15 AM - 10:20 AM	53.0	47.0
05:00 AM - 05:05 AM	59.3	45.3	07:40 AM - 07:45 AM	57.1	48.1	10:20 AM - 10:25 AM	53.0	46.6
05:05 AM - 05:10 AM	65.4	46.4	07:45 AM - 07:50 AM	61.6	47.0	10:25 AM - 10:30 AM	54.6	47.4
05:10 AM - 05:15 AM	50.3	45.9	07:50 AM - 07:55 AM	55.0	46.1	10:30 AM - 10:35 AM	55.6	48.7
05:15 AM - 05:20 AM	51.8	46.7	07:55 AM - 08:00 AM	52.1	45.2	10:35 AM - 10:40 AM	54.1	46.5
05:20 AM - 05:25 AM	50.5	45.1	08:00 AM - 08:05 AM	52.7	44.5	10:40 AM - 10:45 AM	57.7	46.8
05:25 AM - 05:30 AM	60.4	45.5	08:05 AM - 08:10 AM	59.0	49.8	10:45 AM - 10:50 AM	58.1	49.0
05:30 AM - 05:35 AM	50.4	45.3	08:10 AM - 08:15 AM	53.7	45.3	10:50 AM - 10:55 AM	58.5	49.8
05:35 AM - 05:40 AM	50.6	44.2	08:15 AM - 08:20 AM	62.4	46.8	10:55 AM - 11:00 AM	61.3	51.7
05:40 AM - 05:45 AM	52.1	44.4	08:20 AM - 08:25 AM	63.3	47.1	11:00 AM - 11:05 AM	59.4	50.2
05:45 AM - 05:50 AM	56.5	45.9	08:25 AM - 08:30 AM	59.6	46.0	11:05 AM - 11:10 AM	58.4	49.4
05:50 AM - 05:55 AM	49.0	45.1	08:30 AM - 08:35 AM	53.1	43.6	11:10 AM - 11:15 AM	57.3	48.0
05:55 AM - 06:00 AM	50.5	45.5	08:35 AM - 08:40 AM	57.6	45.1	11:15 AM - 11:20 AM	61.3	47.9
06:00 AM - 06:05 AM	50.6	44.9	08:40 AM - 08:45 AM	51.4	44.2	11:20 AM - 11:25 AM	61.8	49.3
06:05 AM - 06:10 AM	50.7	45.4	08:45 AM - 08:50 AM	51.7	44.3	11:25 AM - 11:30 AM	64.0	49.4
06:10 AM - 06:15 AM	56.1	47.8	08:50 AM - 08:55 AM	51.0	43.7	11:30 AM - 11:35 AM	61.8	47.6
06:15 AM - 06:20 AM	55.9	48.9	08:55 AM - 09:00 AM	54.4	44.5	11:35 AM - 11:40 AM	61.0	47.6
06:20 AM - 06:25 AM	56.4	48.2	09:00 AM - 09:05 AM	53.7	44.2	11:40 AM - 11:45 AM	50.8	44.0
06:25 AM - 06:30 AM	55.9	48.0	09:05 AM - 09:10 AM	51.7	44.0	11:45 AM - 11:50 AM	55.1	46.1
06:30 AM - 06:35 AM	53.2	48.6	09:10 AM - 09:15 AM	57.1	46.0	11:50 AM - 11:55 AM	56.8	43.7
06:35 AM - 06:40 AM	59.4	48.7	09:15 AM - 09:20 AM	51.6	44.8	11:55 AM - 12:00 PM	52.8	45.2

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Approved by

Sarayuth Jittrantont  
 Assistant General Manager





## Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230  
P/O : RJN-BW-012/65  
Project Name : Chonburi Bowin  
Project Location :

Lot ID: 22144022  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report Number : 2534258-1

Page 1 of 3

Sample Number 22144022-12  
Parameter Noise Level (Leq 5 min)  
Location N2 : มัสยิดบุรุษอิสลาม  
Measurement Date Dec 23 - Dec 24, 2022  
Measurement by Jaradrawee Sriuksa ทะเบียนเลขที่ ว-323-จ-9483  
Sound Level meter Serial No. 00709746

Dec 23, 2022 Time	Leq dB(A)	L90 dB(A)	Dec 23, 2022 Time	Leq dB(A)	L90 dB(A)	Dec 23, 2022 Time	Leq dB(A)	L90 dB(A)
12:00 PM - 12:05 PM	63.3	46.9	02:40 PM - 02:45 PM	57.6	51.6	05:20 PM - 05:25 PM	61.2	49.7
12:05 PM - 12:10 PM	54.6	45.8	02:45 PM - 02:50 PM	62.4	45.2	05:25 PM - 05:30 PM	64.3	48.8
12:10 PM - 12:15 PM	50.7	44.9	02:50 PM - 02:55 PM	69.5	45.4	05:30 PM - 05:35 PM	67.1	52.7
12:15 PM - 12:20 PM	54.0	46.2	02:55 PM - 03:00 PM	52.0	42.7	05:35 PM - 05:40 PM	56.6	47.1
12:20 PM - 12:25 PM	49.8	45.7	03:00 PM - 03:05 PM	56.8	43.4	05:40 PM - 05:45 PM	64.1	48.2
12:25 PM - 12:30 PM	48.5	44.7	03:05 PM - 03:10 PM	51.9	44.2	05:45 PM - 05:50 PM	58.2	48.1
12:30 PM - 12:35 PM	52.5	44.0	03:10 PM - 03:15 PM	50.9	42.8	05:50 PM - 05:55 PM	54.1	45.5
12:35 PM - 12:40 PM	48.4	44.0	03:15 PM - 03:20 PM	62.8	45.4	05:55 PM - 06:00 PM	58.3	46.2
12:40 PM - 12:45 PM	55.4	44.2	03:20 PM - 03:25 PM	50.2	43.4	06:00 PM - 06:05 PM	57.5	46.6
12:45 PM - 12:50 PM	65.5	58.6	03:25 PM - 03:30 PM	53.1	44.4	06:05 PM - 06:10 PM	53.7	47.0
12:50 PM - 12:55 PM	60.1	48.6	03:30 PM - 03:35 PM	50.9	42.7	06:10 PM - 06:15 PM	63.5	50.8
12:55 PM - 01:00 PM	60.6	49.4	03:35 PM - 03:40 PM	50.8	41.8	06:15 PM - 06:20 PM	58.0	52.0
01:00 PM - 01:05 PM	54.2	44.7	03:40 PM - 03:45 PM	59.1	42.0	06:20 PM - 06:25 PM	57.4	48.0
01:05 PM - 01:10 PM	50.8	44.3	03:45 PM - 03:50 PM	49.4	42.0	06:25 PM - 06:30 PM	52.5	47.6
01:10 PM - 01:15 PM	57.2	44.6	03:50 PM - 03:55 PM	57.0	42.5	06:30 PM - 06:35 PM	55.5	47.7
01:15 PM - 01:20 PM	57.7	48.1	03:55 PM - 04:00 PM	58.0	43.4	06:35 PM - 06:40 PM	56.6	48.9
01:20 PM - 01:25 PM	55.7	45.2	04:00 PM - 04:05 PM	58.7	44.3	06:40 PM - 06:45 PM	56.5	48.2
01:25 PM - 01:30 PM	57.4	44.0	04:05 PM - 04:10 PM	50.7	43.3	06:45 PM - 06:50 PM	59.6	49.5
01:30 PM - 01:35 PM	54.7	45.3	04:10 PM - 04:15 PM	51.2	42.6	06:50 PM - 06:55 PM	57.6	48.4
01:35 PM - 01:40 PM	57.7	47.9	04:15 PM - 04:20 PM	54.8	43.9	06:55 PM - 07:00 PM	64.2	48.6
01:40 PM - 01:45 PM	53.6	44.0	04:20 PM - 04:25 PM	53.3	44.2	07:00 PM - 07:05 PM	54.2	47.9
01:45 PM - 01:50 PM	58.8	45.4	04:25 PM - 04:30 PM	51.2	44.1	07:05 PM - 07:10 PM	54.5	46.3
01:50 PM - 01:55 PM	53.8	44.7	04:30 PM - 04:35 PM	58.0	45.4	07:10 PM - 07:15 PM	50.8	44.1
01:55 PM - 02:00 PM	52.3	45.6	04:35 PM - 04:40 PM	63.5	47.0	07:15 PM - 07:20 PM	50.1	44.0
02:00 PM - 02:05 PM	52.8	45.5	04:40 PM - 04:45 PM	56.7	46.4	07:20 PM - 07:25 PM	52.1	44.2
02:05 PM - 02:10 PM	53.5	46.8	04:45 PM - 04:50 PM	56.6	46.4	07:25 PM - 07:30 PM	54.1	45.2
02:10 PM - 02:15 PM	56.2	48.6	04:50 PM - 04:55 PM	57.0	46.1	07:30 PM - 07:35 PM	54.1	45.9
02:15 PM - 02:20 PM	57.7	47.5	04:55 PM - 05:00 PM	58.6	48.2	07:35 PM - 07:40 PM	54.6	45.5
02:20 PM - 02:25 PM	53.4	46.6	05:00 PM - 05:05 PM	54.5	46.5	07:40 PM - 07:45 PM	51.5	46.0
02:25 PM - 02:30 PM	56.1	46.4	05:05 PM - 05:10 PM	59.0	47.6	07:45 PM - 07:50 PM	60.3	49.0
02:30 PM - 02:35 PM	52.7	43.9	05:10 PM - 05:15 PM	57.2	47.1	07:50 PM - 07:55 PM	53.4	46.5
02:35 PM - 02:40 PM	51.2	43.2	05:15 PM - 05:20 PM	57.6	49.0	07:55 PM - 08:00 PM	57.8	47.4

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Approved by

Sarayuth Jittrantont  
Assistant General Manager



## Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230  
P/O : RJN-BW-012/65  
Project Name : Chonburi Bowin  
Project Location :

Lot ID: 22144022  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report Number : 2534258-1

Page 2 of 3

Sample Number 22144022-12  
Parameter Noise Level (Leq 5 min)  
Location N2 : มัสยิดบุรุษอิสลาม  
Measurement Date Dec 23 - Dec 24, 2022  
Measurement by Jaradrawee Sriuksa ทะเบียนเลขที่ ๖-323-๖-9483  
Sound Level meter Serial No. 00709746

Dec 23, 2022	Leq	L90	Dec 23 - Dec 24, 2022	Leq	L90	Dec 24, 2022	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
08:00 PM - 08:05 PM	54.7	46.8	10:40 PM - 10:45 PM	47.7	43.9	01:20 AM - 01:25 AM	46.3	43.2
08:05 PM - 08:10 PM	52.0	44.8	10:45 PM - 10:50 PM	44.8	42.2	01:25 AM - 01:30 AM	43.2	41.3
08:10 PM - 08:15 PM	54.5	43.8	10:50 PM - 10:55 PM	47.5	42.6	01:30 AM - 01:35 AM	42.6	41.5
08:15 PM - 08:20 PM	55.7	44.6	10:55 PM - 11:00 PM	45.4	42.0	01:35 AM - 01:40 AM	42.3	41.3
08:20 PM - 08:25 PM	50.8	44.3	11:00 PM - 11:05 PM	48.1	42.4	01:40 AM - 01:45 AM	43.5	41.7
08:25 PM - 08:30 PM	55.0	46.4	11:05 PM - 11:10 PM	44.7	42.5	01:45 AM - 01:50 AM	42.7	41.8
08:30 PM - 08:35 PM	54.8	45.5	11:10 PM - 11:15 PM	50.1	43.1	01:50 AM - 01:55 AM	44.0	41.6
08:35 PM - 08:40 PM	58.4	45.3	11:15 PM - 11:20 PM	44.8	43.1	01:55 AM - 02:00 AM	45.3	41.3
08:40 PM - 08:45 PM	56.5	45.0	11:20 PM - 11:25 PM	47.0	43.5	02:00 AM - 02:05 AM	43.5	41.6
08:45 PM - 08:50 PM	62.0	45.8	11:25 PM - 11:30 PM	45.9	43.9	02:05 AM - 02:10 AM	42.3	41.2
08:50 PM - 08:55 PM	54.0	46.9	11:30 PM - 11:35 PM	45.5	43.8	02:10 AM - 02:15 AM	45.4	40.6
08:55 PM - 09:00 PM	56.3	45.3	11:35 PM - 11:40 PM	48.2	42.9	02:15 AM - 02:20 AM	46.1	40.6
09:00 PM - 09:05 PM	51.3	44.6	11:40 PM - 11:45 PM	44.2	43.3	02:20 AM - 02:25 AM	65.2	41.0
09:05 PM - 09:10 PM	52.2	44.4	11:45 PM - 11:50 PM	51.2	43.7	02:25 AM - 02:30 AM	42.0	39.8
09:10 PM - 09:15 PM	49.7	43.8	11:50 PM - 11:55 PM	49.3	44.5	02:30 AM - 02:35 AM	41.9	40.1
09:15 PM - 09:20 PM	53.3	44.9	11:55 PM - 12:00 AM	46.8	44.3	02:35 AM - 02:40 AM	42.1	40.1
09:20 PM - 09:25 PM	52.7	44.6	12:00 AM - 12:05 AM	44.7	43.0	02:40 AM - 02:45 AM	42.4	40.4
09:25 PM - 09:30 PM	50.2	43.8	12:05 AM - 12:10 AM	45.0	42.8	02:45 AM - 02:50 AM	45.8	40.2
09:30 PM - 09:35 PM	49.0	43.1	12:10 AM - 12:15 AM	49.5	43.0	02:50 AM - 02:55 AM	47.4	40.2
09:35 PM - 09:40 PM	50.2	41.2	12:15 AM - 12:20 AM	44.1	41.8	02:55 AM - 03:00 AM	41.8	40.6
09:40 PM - 09:45 PM	45.4	40.4	12:20 AM - 12:25 AM	44.8	42.2	03:00 AM - 03:05 AM	54.9	40.8
09:45 PM - 09:50 PM	47.3	41.0	12:25 AM - 12:30 AM	44.1	42.9	03:05 AM - 03:10 AM	43.0	41.0
09:50 PM - 09:55 PM	46.4	41.4	12:30 AM - 12:35 AM	52.1	43.1	03:10 AM - 03:15 AM	42.3	41.2
09:55 PM - 10:00 PM	47.6	41.9	12:35 AM - 12:40 AM	47.9	43.0	03:15 AM - 03:20 AM	49.9	42.1
10:00 PM - 10:05 PM	49.0	42.7	12:40 AM - 12:45 AM	45.0	43.0	03:20 AM - 03:25 AM	46.2	42.1
10:05 PM - 10:10 PM	45.8	41.8	12:45 AM - 12:50 AM	43.8	42.8	03:25 AM - 03:30 AM	48.5	42.2
10:10 PM - 10:15 PM	47.9	42.0	12:50 AM - 12:55 AM	48.8	42.6	03:30 AM - 03:35 AM	44.2	42.6
10:15 PM - 10:20 PM	42.9	41.1	12:55 AM - 01:00 AM	45.8	42.4	03:35 AM - 03:40 AM	44.2	42.1
10:20 PM - 10:25 PM	45.6	40.8	01:00 AM - 01:05 AM	44.5	42.5	03:40 AM - 03:45 AM	43.3	42.0
10:25 PM - 10:30 PM	49.0	42.7	01:05 AM - 01:10 AM	43.7	42.2	03:45 AM - 03:50 AM	44.6	42.6
10:30 PM - 10:35 PM	48.7	42.6	01:10 AM - 01:15 AM	44.4	42.1	03:50 AM - 03:55 AM	47.7	42.4
10:35 PM - 10:40 PM	43.7	42.6	01:15 AM - 01:20 AM	47.9	42.4	03:55 AM - 04:00 AM	44.2	42.0

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Approved by

Sarayuth Jittrantont  
Assistant General Manager



## Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230  
P/O : RJN-BW-012/65  
Project Name : Chonburi Bowin  
Project Location :

Lot ID: 22144022  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report Number : 2534258-1

Page 3 of 3

Sample Number 22144022-12  
Parameter Noise Level (Leq 5 min)  
Location N2 : มัสยิดบุรีอิสลาม  
Measurement Date Dec 23 - Dec 24, 2022  
Measurement by Jaradrawee Sriuksa ทะเบียนเลขที่ ๖-323-๖-9483  
Sound Level meter Serial No. 00709746

Dec 24, 2022 Time	Leq dB(A)	L90 dB(A)	Dec 24, 2022 Time	Leq dB(A)	L90 dB(A)	Dec 24, 2022 Time	Leq dB(A)	L90 dB(A)
04:00 AM - 04:05 AM	45.3	42.2	06:40 AM - 06:45 AM	55.8	51.1	09:20 AM - 09:25 AM	60.4	45.2
04:05 AM - 04:10 AM	46.7	41.6	06:45 AM - 06:50 AM	57.3	47.8	09:25 AM - 09:30 AM	58.0	48.5
04:10 AM - 04:15 AM	53.3	41.7	06:50 AM - 06:55 AM	62.6	48.1	09:30 AM - 09:35 AM	60.3	48.2
04:15 AM - 04:20 AM	44.5	41.9	06:55 AM - 07:00 AM	55.1	48.5	09:35 AM - 09:40 AM	62.9	48.7
04:20 AM - 04:25 AM	50.4	42.0	07:00 AM - 07:05 AM	58.1	49.8	09:40 AM - 09:45 AM	61.8	45.1
04:25 AM - 04:30 AM	42.2	41.4	07:05 AM - 07:10 AM	57.1	49.2	09:45 AM - 09:50 AM	58.9	45.6
04:30 AM - 04:35 AM	44.2	41.2	07:10 AM - 07:15 AM	57.8	49.7	09:50 AM - 09:55 AM	57.4	46.6
04:35 AM - 04:40 AM	46.0	42.6	07:15 AM - 07:20 AM	56.3	49.8	09:55 AM - 10:00 AM	57.8	46.6
04:40 AM - 04:45 AM	43.4	41.8	07:20 AM - 07:25 AM	57.7	50.7	10:00 AM - 10:05 AM	54.6	45.7
04:45 AM - 04:50 AM	46.7	41.9	07:25 AM - 07:30 AM	57.1	49.7	10:05 AM - 10:10 AM	60.2	47.0
04:50 AM - 04:55 AM	48.7	42.3	07:30 AM - 07:35 AM	54.9	47.9	10:10 AM - 10:15 AM	55.6	45.1
04:55 AM - 05:00 AM	51.9	43.2	07:35 AM - 07:40 AM	56.9	49.1	10:15 AM - 10:20 AM	60.0	46.3
05:00 AM - 05:05 AM	64.1	43.6	07:40 AM - 07:45 AM	59.4	49.5	10:20 AM - 10:25 AM	57.6	44.1
05:05 AM - 05:10 AM	51.5	42.9	07:45 AM - 07:50 AM	56.6	50.1	10:25 AM - 10:30 AM	54.3	44.9
05:10 AM - 05:15 AM	45.8	42.8	07:50 AM - 07:55 AM	57.5	49.0	10:30 AM - 10:35 AM	52.9	45.5
05:15 AM - 05:20 AM	47.0	42.8	07:55 AM - 08:00 AM	64.0	47.9	10:35 AM - 10:40 AM	53.3	45.2
05:20 AM - 05:25 AM	46.6	43.1	08:00 AM - 08:05 AM	54.6	46.2	10:40 AM - 10:45 AM	55.0	45.0
05:25 AM - 05:30 AM	45.5	42.8	08:05 AM - 08:10 AM	56.0	47.0	10:45 AM - 10:50 AM	53.4	45.9
05:30 AM - 05:35 AM	49.1	43.4	08:10 AM - 08:15 AM	60.1	49.4	10:50 AM - 10:55 AM	52.6	45.3
05:35 AM - 05:40 AM	59.4	42.6	08:15 AM - 08:20 AM	52.1	44.6	10:55 AM - 11:00 AM	60.5	46.1
05:40 AM - 05:45 AM	46.8	41.8	08:20 AM - 08:25 AM	57.8	45.0	11:00 AM - 11:05 AM	59.7	45.9
05:45 AM - 05:50 AM	56.9	43.2	08:25 AM - 08:30 AM	53.0	45.0	11:05 AM - 11:10 AM	56.4	46.1
05:50 AM - 05:55 AM	52.7	43.9	08:30 AM - 08:35 AM	55.2	46.1	11:10 AM - 11:15 AM	57.0	46.3
05:55 AM - 06:00 AM	51.3	44.4	08:35 AM - 08:40 AM	56.4	46.8	11:15 AM - 11:20 AM	58.1	45.5
06:00 AM - 06:05 AM	48.4	44.4	08:40 AM - 08:45 AM	58.8	48.0	11:20 AM - 11:25 AM	60.5	42.9
06:05 AM - 06:10 AM	49.3	44.0	08:45 AM - 08:50 AM	55.1	48.9	11:25 AM - 11:30 AM	54.3	45.8
06:10 AM - 06:15 AM	54.1	45.0	08:50 AM - 08:55 AM	54.8	49.2	11:30 AM - 11:35 AM	53.0	45.9
06:15 AM - 06:20 AM	52.3	46.1	08:55 AM - 09:00 AM	57.0	49.0	11:35 AM - 11:40 AM	54.9	47.2
06:20 AM - 06:25 AM	53.7	46.6	09:00 AM - 09:05 AM	55.4	46.3	11:40 AM - 11:45 AM	55.2	46.1
06:25 AM - 06:30 AM	56.0	45.9	09:05 AM - 09:10 AM	52.8	46.5	11:45 AM - 11:50 AM	53.7	45.2
06:30 AM - 06:35 AM	57.4	47.1	09:10 AM - 09:15 AM	50.4	43.5	11:50 AM - 11:55 AM	56.6	45.2
06:35 AM - 06:40 AM	55.7	49.8	09:15 AM - 09:20 AM	59.7	44.2	11:55 AM - 12:00 PM	55.8	44.6

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Approved by

Sarayuth Jittrantont  
Assistant General Manager



## Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230  
P/O : RJN-BW-012/65  
Project Name : Chonburi Bowin  
Project Location :

Lot ID: 22144022  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report Number : 2534259-1

Page 1 of 3

Sample Number 22144022-13  
Parameter Noise Level (Leq 5 min)  
Location N2 : มัสยิดบุรีอิสลาม  
Measurement Date Dec 24 - Dec 25, 2022  
Measurement by Jaradrawee Sriuksa ทะเบียนเลขที่ ว-323-จ-9483  
Sound Level meter Serial No. 00709746

Dec 24, 2022 Time	Leq dB(A)	L90 dB(A)	Dec 24, 2022 Time	Leq dB(A)	L90 dB(A)	Dec 24, 2022 Time	Leq dB(A)	L90 dB(A)
12:00 PM - 12:05 PM	63.5	45.2	02:40 PM - 02:45 PM	54.5	43.1	05:20 PM - 05:25 PM	56.2	50.4
12:05 PM - 12:10 PM	55.2	45.5	02:45 PM - 02:50 PM	51.9	44.6	05:25 PM - 05:30 PM	57.7	48.1
12:10 PM - 12:15 PM	59.7	46.0	02:50 PM - 02:55 PM	58.0	45.3	05:30 PM - 05:35 PM	56.8	44.9
12:15 PM - 12:20 PM	52.8	42.6	02:55 PM - 03:00 PM	53.7	45.0	05:35 PM - 05:40 PM	54.5	47.1
12:20 PM - 12:25 PM	54.9	42.9	03:00 PM - 03:05 PM	50.3	44.7	05:40 PM - 05:45 PM	62.9	45.3
12:25 PM - 12:30 PM	59.3	44.0	03:05 PM - 03:10 PM	55.1	42.8	05:45 PM - 05:50 PM	60.1	45.5
12:30 PM - 12:35 PM	50.9	41.4	03:10 PM - 03:15 PM	53.3	44.4	05:50 PM - 05:55 PM	60.1	48.0
12:35 PM - 12:40 PM	57.8	45.0	03:15 PM - 03:20 PM	62.8	45.2	05:55 PM - 06:00 PM	57.3	45.9
12:40 PM - 12:45 PM	54.2	43.2	03:20 PM - 03:25 PM	51.0	42.9	06:00 PM - 06:05 PM	52.5	45.7
12:45 PM - 12:50 PM	53.0	42.7	03:25 PM - 03:30 PM	54.0	44.7	06:05 PM - 06:10 PM	57.1	44.6
12:50 PM - 12:55 PM	50.6	42.1	03:30 PM - 03:35 PM	50.7	43.7	06:10 PM - 06:15 PM	52.6	43.4
12:55 PM - 01:00 PM	54.4	40.9	03:35 PM - 03:40 PM	49.9	42.2	06:15 PM - 06:20 PM	52.6	46.0
01:00 PM - 01:05 PM	52.6	40.7	03:40 PM - 03:45 PM	54.5	44.2	06:20 PM - 06:25 PM	54.4	45.8
01:05 PM - 01:10 PM	54.9	41.9	03:45 PM - 03:50 PM	53.2	42.9	06:25 PM - 06:30 PM	54.8	47.5
01:10 PM - 01:15 PM	53.2	42.9	03:50 PM - 03:55 PM	53.9	43.1	06:30 PM - 06:35 PM	54.9	46.4
01:15 PM - 01:20 PM	50.8	43.8	03:55 PM - 04:00 PM	54.9	44.5	06:35 PM - 06:40 PM	52.8	44.5
01:20 PM - 01:25 PM	49.9	42.6	04:00 PM - 04:05 PM	56.9	45.1	06:40 PM - 06:45 PM	53.0	44.4
01:25 PM - 01:30 PM	50.6	41.5	04:05 PM - 04:10 PM	51.6	44.1	06:45 PM - 06:50 PM	54.5	46.5
01:30 PM - 01:35 PM	58.5	41.8	04:10 PM - 04:15 PM	59.8	43.6	06:50 PM - 06:55 PM	53.0	46.5
01:35 PM - 01:40 PM	53.1	43.5	04:15 PM - 04:20 PM	51.6	43.6	06:55 PM - 07:00 PM	57.6	46.1
01:40 PM - 01:45 PM	51.4	45.6	04:20 PM - 04:25 PM	47.8	43.7	07:00 PM - 07:05 PM	64.2	46.0
01:45 PM - 01:50 PM	54.5	44.4	04:25 PM - 04:30 PM	53.6	43.0	07:05 PM - 07:10 PM	57.6	46.2
01:50 PM - 01:55 PM	58.9	42.9	04:30 PM - 04:35 PM	56.3	44.4	07:10 PM - 07:15 PM	57.6	48.2
01:55 PM - 02:00 PM	55.9	46.9	04:35 PM - 04:40 PM	55.7	44.2	07:15 PM - 07:20 PM	50.2	43.2
02:00 PM - 02:05 PM	58.1	46.2	04:40 PM - 04:45 PM	55.3	43.2	07:20 PM - 07:25 PM	50.7	42.7
02:05 PM - 02:10 PM	51.8	42.9	04:45 PM - 04:50 PM	56.8	44.6	07:25 PM - 07:30 PM	52.9	44.5
02:10 PM - 02:15 PM	50.6	42.6	04:50 PM - 04:55 PM	54.0	44.7	07:30 PM - 07:35 PM	53.7	44.8
02:15 PM - 02:20 PM	52.2	42.8	04:55 PM - 05:00 PM	55.9	46.5	07:35 PM - 07:40 PM	54.9	45.8
02:20 PM - 02:25 PM	50.5	44.0	05:00 PM - 05:05 PM	62.5	50.9	07:40 PM - 07:45 PM	54.9	45.2
02:25 PM - 02:30 PM	57.2	41.9	05:05 PM - 05:10 PM	60.9	46.5	07:45 PM - 07:50 PM	53.9	45.0
02:30 PM - 02:35 PM	48.9	42.2	05:10 PM - 05:15 PM	50.9	44.9	07:50 PM - 07:55 PM	52.1	45.8
02:35 PM - 02:40 PM	55.1	42.7	05:15 PM - 05:20 PM	53.4	44.7	07:55 PM - 08:00 PM	56.7	48.5

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Approved by

Sarayuth Jittrantont  
Assistant General Manager



## Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230  
P/O : RJN-BW-012/65  
Project Name : Chonburi Bowin  
Project Location :

Lot ID: 22144022  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report Number : 2534259-1

Page 2 of 3

Sample Number 22144022-13  
Parameter Noise Level (Leq 5 min)  
Location N2 : มัสยิดบุรุษอิสลาม  
Measurement Date Dec 24 - Dec 25, 2022  
Measurement by Jaradrawee Sriuksa ทะเบียนเลขที่ ๖-323-๖-9483  
Sound Level meter Serial No. 00709746

Dec 24, 2022	Leq	L90	Dec 24 - Dec 25, 2022	Leq	L90	Dec 25, 2022	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
08:00 PM - 08:05 PM	57.7	49.5	10:40 PM - 10:45 PM	49.8	43.9	01:20 AM - 01:25 AM	43.9	41.9
08:05 PM - 08:10 PM	59.2	52.8	10:45 PM - 10:50 PM	48.1	43.5	01:25 AM - 01:30 AM	42.7	41.4
08:10 PM - 08:15 PM	59.3	50.9	10:50 PM - 10:55 PM	51.4	43.3	01:30 AM - 01:35 AM	42.8	42.0
08:15 PM - 08:20 PM	57.9	48.8	10:55 PM - 11:00 PM	43.9	40.5	01:35 AM - 01:40 AM	43.3	42.1
08:20 PM - 08:25 PM	59.1	51.6	11:00 PM - 11:05 PM	46.9	40.1	01:40 AM - 01:45 AM	43.8	41.6
08:25 PM - 08:30 PM	59.2	52.7	11:05 PM - 11:10 PM	47.6	45.5	01:45 AM - 01:50 AM	42.8	40.9
08:30 PM - 08:35 PM	59.6	50.7	11:10 PM - 11:15 PM	46.9	42.4	01:50 AM - 01:55 AM	43.4	41.0
08:35 PM - 08:40 PM	56.6	48.9	11:15 PM - 11:20 PM	44.5	42.6	01:55 AM - 02:00 AM	54.6	40.9
08:40 PM - 08:45 PM	66.8	49.2	11:20 PM - 11:25 PM	44.8	42.3	02:00 AM - 02:05 AM	45.0	40.4
08:45 PM - 08:50 PM	47.6	43.3	11:25 PM - 11:30 PM	48.7	43.8	02:05 AM - 02:10 AM	42.9	40.7
08:50 PM - 08:55 PM	52.3	44.3	11:30 PM - 11:35 PM	47.2	43.6	02:10 AM - 02:15 AM	42.4	40.8
08:55 PM - 09:00 PM	54.8	43.6	11:35 PM - 11:40 PM	44.3	41.8	02:15 AM - 02:20 AM	41.7	40.6
09:00 PM - 09:05 PM	48.8	43.6	11:40 PM - 11:45 PM	46.7	41.9	02:20 AM - 02:25 AM	42.3	41.0
09:05 PM - 09:10 PM	53.7	43.9	11:45 PM - 11:50 PM	45.4	42.1	02:25 AM - 02:30 AM	44.2	40.4
09:10 PM - 09:15 PM	51.8	42.6	11:50 PM - 11:55 PM	44.4	42.7	02:30 AM - 02:35 AM	47.6	40.4
09:15 PM - 09:20 PM	51.0	43.4	11:55 PM - 12:00 AM	51.3	43.0	02:35 AM - 02:40 AM	42.7	40.3
09:20 PM - 09:25 PM	48.6	41.0	12:00 AM - 12:05 AM	49.6	42.5	02:40 AM - 02:45 AM	53.6	41.9
09:25 PM - 09:30 PM	46.3	41.8	12:05 AM - 12:10 AM	46.7	44.1	02:45 AM - 02:50 AM	45.4	40.7
09:30 PM - 09:35 PM	52.9	41.9	12:10 AM - 12:15 AM	46.8	44.3	02:50 AM - 02:55 AM	43.3	40.9
09:35 PM - 09:40 PM	51.7	42.6	12:15 AM - 12:20 AM	52.9	43.5	02:55 AM - 03:00 AM	42.8	40.1
09:40 PM - 09:45 PM	54.0	44.1	12:20 AM - 12:25 AM	47.8	43.3	03:00 AM - 03:05 AM	41.9	39.7
09:45 PM - 09:50 PM	52.8	43.6	12:25 AM - 12:30 AM	47.2	42.9	03:05 AM - 03:10 AM	44.5	39.8
09:50 PM - 09:55 PM	52.4	43.7	12:30 AM - 12:35 AM	44.4	42.3	03:10 AM - 03:15 AM	44.6	40.1
09:55 PM - 10:00 PM	51.3	43.6	12:35 AM - 12:40 AM	45.4	42.5	03:15 AM - 03:20 AM	45.7	41.0
10:00 PM - 10:05 PM	53.2	44.0	12:40 AM - 12:45 AM	46.0	42.4	03:20 AM - 03:25 AM	44.1	41.0
10:05 PM - 10:10 PM	57.8	43.6	12:45 AM - 12:50 AM	45.8	42.9	03:25 AM - 03:30 AM	62.4	41.8
10:10 PM - 10:15 PM	50.5	42.5	12:50 AM - 12:55 AM	43.9	42.6	03:30 AM - 03:35 AM	45.2	40.7
10:15 PM - 10:20 PM	51.6	42.3	12:55 AM - 01:00 AM	45.9	42.4	03:35 AM - 03:40 AM	41.9	40.4
10:20 PM - 10:25 PM	51.7	43.3	01:00 AM - 01:05 AM	45.1	42.4	03:40 AM - 03:45 AM	47.9	40.9
10:25 PM - 10:30 PM	52.2	43.4	01:05 AM - 01:10 AM	43.3	42.3	03:45 AM - 03:50 AM	43.9	40.2
10:30 PM - 10:35 PM	52.6	43.7	01:10 AM - 01:15 AM	43.2	42.5	03:50 AM - 03:55 AM	42.6	40.6
10:35 PM - 10:40 PM	54.2	44.7	01:15 AM - 01:20 AM	43.1	41.9	03:55 AM - 04:00 AM	42.6	39.9

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Approved by

Sarayuth Jittrantont  
Assistant General Manager



## Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230  
P/O : RJN-BW-012/65  
Project Name : Chonburi Bowin  
Project Location :

Lot ID: 22144022  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report Number : 2534259-1

Page 3 of 3

Sample Number 22144022-13  
Parameter Noise Level (Leq 5 min)  
Location N2 : มัสยิดบุรุษอิสลาม  
Measurement Date Dec 24 - Dec 25, 2022  
Measurement by Jaradrawee Sriuksa ทะเบียนเลขที่ ๖-323-๖-9483  
Sound Level meter Serial No. 00709746

Dec 25, 2022 Time	Leq dB(A)	L90 dB(A)	Dec 25, 2022 Time	Leq dB(A)	L90 dB(A)	Dec 25, 2022 Time	Leq dB(A)	L90 dB(A)
04:00 AM - 04:05 AM	47.3	41.1	06:40 AM - 06:45 AM	62.3	51.1	09:20 AM - 09:25 AM	57.5	47.6
04:05 AM - 04:10 AM	43.7	41.4	06:45 AM - 06:50 AM	56.0	47.5	09:25 AM - 09:30 AM	60.2	46.1
04:10 AM - 04:15 AM	47.3	41.9	06:50 AM - 06:55 AM	60.5	48.7	09:30 AM - 09:35 AM	54.3	48.4
04:15 AM - 04:20 AM	56.5	43.0	06:55 AM - 07:00 AM	58.8	49.9	09:35 AM - 09:40 AM	57.4	46.9
04:20 AM - 04:25 AM	51.5	43.4	07:00 AM - 07:05 AM	57.0	50.1	09:40 AM - 09:45 AM	53.1	46.7
04:25 AM - 04:30 AM	51.0	44.5	07:05 AM - 07:10 AM	57.5	49.8	09:45 AM - 09:50 AM	57.2	48.2
04:30 AM - 04:35 AM	49.0	42.7	07:10 AM - 07:15 AM	56.9	49.2	09:50 AM - 09:55 AM	56.0	45.8
04:35 AM - 04:40 AM	48.8	42.1	07:15 AM - 07:20 AM	56.6	48.5	09:55 AM - 10:00 AM	52.3	45.6
04:40 AM - 04:45 AM	47.7	42.7	07:20 AM - 07:25 AM	55.8	49.0	10:00 AM - 10:05 AM	57.5	48.6
04:45 AM - 04:50 AM	51.1	44.2	07:25 AM - 07:30 AM	55.4	48.6	10:05 AM - 10:10 AM	57.1	49.1
04:50 AM - 04:55 AM	51.2	44.0	07:30 AM - 07:35 AM	56.4	48.8	10:10 AM - 10:15 AM	60.6	50.3
04:55 AM - 05:00 AM	51.2	43.8	07:35 AM - 07:40 AM	58.4	48.9	10:15 AM - 10:20 AM	57.2	47.9
05:00 AM - 05:05 AM	61.1	43.6	07:40 AM - 07:45 AM	61.4	47.7	10:20 AM - 10:25 AM	57.3	46.7
05:05 AM - 05:10 AM	62.9	43.1	07:45 AM - 07:50 AM	55.7	45.2	10:25 AM - 10:30 AM	60.6	48.3
05:10 AM - 05:15 AM	50.8	43.4	07:50 AM - 07:55 AM	57.0	46.1	10:30 AM - 10:35 AM	62.8	56.0
05:15 AM - 05:20 AM	51.6	42.3	07:55 AM - 08:00 AM	57.9	49.5	10:35 AM - 10:40 AM	67.1	54.2
05:20 AM - 05:25 AM	48.2	41.2	08:00 AM - 08:05 AM	57.6	48.5	10:40 AM - 10:45 AM	64.4	52.0
05:25 AM - 05:30 AM	51.9	42.1	08:05 AM - 08:10 AM	58.6	48.7	10:45 AM - 10:50 AM	69.2	67.3
05:30 AM - 05:35 AM	49.1	41.7	08:10 AM - 08:15 AM	56.7	46.5	10:50 AM - 10:55 AM	69.2	66.8
05:35 AM - 05:40 AM	45.6	41.3	08:15 AM - 08:20 AM	56.3	47.6	10:55 AM - 11:00 AM	67.9	64.1
05:40 AM - 05:45 AM	48.3	41.3	08:20 AM - 08:25 AM	58.8	50.0	11:00 AM - 11:05 AM	64.3	63.6
05:45 AM - 05:50 AM	48.1	42.3	08:25 AM - 08:30 AM	58.1	48.1	11:05 AM - 11:10 AM	61.6	50.8
05:50 AM - 05:55 AM	54.5	42.6	08:30 AM - 08:35 AM	51.9	46.0	11:10 AM - 11:15 AM	58.0	48.5
05:55 AM - 06:00 AM	52.7	41.6	08:35 AM - 08:40 AM	59.7	46.3	11:15 AM - 11:20 AM	60.1	51.8
06:00 AM - 06:05 AM	47.2	42.4	08:40 AM - 08:45 AM	54.0	45.4	11:20 AM - 11:25 AM	60.0	48.8
06:05 AM - 06:10 AM	50.1	44.3	08:45 AM - 08:50 AM	51.3	46.2	11:25 AM - 11:30 AM	59.1	50.6
06:10 AM - 06:15 AM	52.3	45.1	08:50 AM - 08:55 AM	52.2	44.7	11:30 AM - 11:35 AM	59.0	52.1
06:15 AM - 06:20 AM	57.1	45.5	08:55 AM - 09:00 AM	53.9	44.7	11:35 AM - 11:40 AM	60.3	50.7
06:20 AM - 06:25 AM	53.2	45.5	09:00 AM - 09:05 AM	55.4	44.6	11:40 AM - 11:45 AM	59.1	48.1
06:25 AM - 06:30 AM	58.1	47.9	09:05 AM - 09:10 AM	55.3	45.5	11:45 AM - 11:50 AM	59.2	49.9
06:30 AM - 06:35 AM	56.7	47.8	09:10 AM - 09:15 AM	53.4	44.6	11:50 AM - 11:55 AM	61.8	49.4
06:35 AM - 06:40 AM	56.9	48.5	09:15 AM - 09:20 AM	56.6	46.9	11:55 AM - 12:00 PM	59.9	48.8

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Approved by

Sarayuth Jittrantont  
Assistant General Manager



## Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230  
P/O : RJN-BW-012/65  
Project Name : Chonburi Bowin  
Project Location :

Lot ID: 22144022  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report Number : 2534260-1

Page 1 of 3

Sample Number : 22144022-14  
Parameter : Noise Level (Leq 5 min)  
Location : N2 : มัสยิดบุรุษอิสลาม  
Measurement Date : Dec 25 - Dec 26, 2022  
Measurement by : Jaradrawee Sriuksa ทะเบียนเลขที่ ว-323-จ-9483  
Sound Level meter : Serial No. 00709746

Dec 25, 2022	Leq	L90	Dec 25, 2022	Leq	L90	Dec 25, 2022	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
12:00 PM - 12:05 PM	63.7	47.8	02:40 PM - 02:45 PM	57.3	44.2	05:20 PM - 05:25 PM	56.5	48.4
12:05 PM - 12:10 PM	53.3	43.5	02:45 PM - 02:50 PM	57.8	44.1	05:25 PM - 05:30 PM	62.8	48.4
12:10 PM - 12:15 PM	51.5	41.1	02:50 PM - 02:55 PM	54.3	41.1	05:30 PM - 05:35 PM	53.4	47.4
12:15 PM - 12:20 PM	55.6	44.3	02:55 PM - 03:00 PM	55.3	41.4	05:35 PM - 05:40 PM	57.1	48.5
12:20 PM - 12:25 PM	52.0	43.5	03:00 PM - 03:05 PM	52.3	41.6	05:40 PM - 05:45 PM	64.6	49.1
12:25 PM - 12:30 PM	49.1	40.6	03:05 PM - 03:10 PM	50.6	41.9	05:45 PM - 05:50 PM	54.2	47.2
12:30 PM - 12:35 PM	51.4	43.9	03:10 PM - 03:15 PM	54.5	42.7	05:50 PM - 05:55 PM	59.3	46.8
12:35 PM - 12:40 PM	51.3	44.8	03:15 PM - 03:20 PM	63.1	44.4	05:55 PM - 06:00 PM	53.2	45.8
12:40 PM - 12:45 PM	56.0	42.2	03:20 PM - 03:25 PM	52.8	44.2	06:00 PM - 06:05 PM	51.1	45.0
12:45 PM - 12:50 PM	53.1	42.8	03:25 PM - 03:30 PM	56.0	43.0	06:05 PM - 06:10 PM	53.2	45.2
12:50 PM - 12:55 PM	54.8	47.9	03:30 PM - 03:35 PM	59.2	44.4	06:10 PM - 06:15 PM	57.6	45.1
12:55 PM - 01:00 PM	58.7	45.3	03:35 PM - 03:40 PM	56.6	44.1	06:15 PM - 06:20 PM	53.1	46.0
01:00 PM - 01:05 PM	58.0	45.5	03:40 PM - 03:45 PM	55.4	43.1	06:20 PM - 06:25 PM	53.3	45.5
01:05 PM - 01:10 PM	55.8	44.6	03:45 PM - 03:50 PM	57.5	43.4	06:25 PM - 06:30 PM	49.3	44.8
01:10 PM - 01:15 PM	56.0	42.6	03:50 PM - 03:55 PM	55.6	42.4	06:30 PM - 06:35 PM	54.3	46.0
01:15 PM - 01:20 PM	54.2	42.4	03:55 PM - 04:00 PM	61.2	53.8	06:35 PM - 06:40 PM	54.8	45.8
01:20 PM - 01:25 PM	56.7	42.7	04:00 PM - 04:05 PM	52.9	43.7	06:40 PM - 06:45 PM	53.2	45.5
01:25 PM - 01:30 PM	53.6	41.5	04:05 PM - 04:10 PM	49.9	43.0	06:45 PM - 06:50 PM	62.4	47.4
01:30 PM - 01:35 PM	49.2	41.0	04:10 PM - 04:15 PM	58.8	42.9	06:50 PM - 06:55 PM	54.9	48.6
01:35 PM - 01:40 PM	54.7	41.2	04:15 PM - 04:20 PM	58.6	45.5	06:55 PM - 07:00 PM	63.1	48.2
01:40 PM - 01:45 PM	55.6	42.7	04:20 PM - 04:25 PM	55.9	45.3	07:00 PM - 07:05 PM	53.9	46.2
01:45 PM - 01:50 PM	55.8	43.0	04:25 PM - 04:30 PM	52.1	43.9	07:05 PM - 07:10 PM	49.7	42.7
01:50 PM - 01:55 PM	55.3	42.8	04:30 PM - 04:35 PM	52.0	45.1	07:10 PM - 07:15 PM	57.8	43.0
01:55 PM - 02:00 PM	54.7	42.3	04:35 PM - 04:40 PM	62.0	47.6	07:15 PM - 07:20 PM	48.7	43.7
02:00 PM - 02:05 PM	51.9	44.8	04:40 PM - 04:45 PM	57.5	43.8	07:20 PM - 07:25 PM	50.6	44.1
02:05 PM - 02:10 PM	54.0	43.6	04:45 PM - 04:50 PM	55.4	45.9	07:25 PM - 07:30 PM	54.1	44.3
02:10 PM - 02:15 PM	53.1	45.4	04:50 PM - 04:55 PM	57.4	47.0	07:30 PM - 07:35 PM	53.4	44.0
02:15 PM - 02:20 PM	55.3	42.6	04:55 PM - 05:00 PM	60.2	48.9	07:35 PM - 07:40 PM	58.1	44.8
02:20 PM - 02:25 PM	52.2	41.7	05:00 PM - 05:05 PM	60.5	49.0	07:40 PM - 07:45 PM	50.5	44.9
02:25 PM - 02:30 PM	55.0	44.9	05:05 PM - 05:10 PM	61.8	47.1	07:45 PM - 07:50 PM	52.8	46.5
02:30 PM - 02:35 PM	55.3	41.9	05:10 PM - 05:15 PM	58.0	48.1	07:50 PM - 07:55 PM	50.3	44.9
02:35 PM - 02:40 PM	49.4	41.2	05:15 PM - 05:20 PM	56.8	47.8	07:55 PM - 08:00 PM	51.7	44.7

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Approved by

Sarayuth Jitranont  
Assistant General Manager





## Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230  
P/O : RJN-BW-012/65  
Project Name : Chonburi Bowin  
Project Location :

Lot ID: 22144022  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report Number : 2534260-1

Page 2 of 3

Sample Number 22144022-14  
Parameter Noise Level (Leq 5 min)  
Location N2 : มัสยิดบุรุษอิสลาม  
Measurement Date Dec 25 - Dec 26, 2022  
Measurement by Jaradrawee Sriuksa ทะเบียนเลขที่ ๖-323-๖-9483  
Sound Level meter Serial No. 00709746

Dec 25, 2022	Leq	L90	Dec 25 - Dec 26, 2022	Leq	L90	Dec 26, 2022	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
08:00 PM - 08:05 PM	51.7	44.6	10:40 PM - 10:45 PM	46.2	43.5	01:20 AM - 01:25 AM	49.0	40.6
08:05 PM - 08:10 PM	63.2	49.7	10:45 PM - 10:50 PM	45.3	43.5	01:25 AM - 01:30 AM	44.4	41.7
08:10 PM - 08:15 PM	61.2	44.7	10:50 PM - 10:55 PM	45.7	43.5	01:30 AM - 01:35 AM	42.3	41.3
08:15 PM - 08:20 PM	53.0	45.5	10:55 PM - 11:00 PM	45.6	43.2	01:35 AM - 01:40 AM	42.4	41.4
08:20 PM - 08:25 PM	53.2	46.3	11:00 PM - 11:05 PM	56.3	43.9	01:40 AM - 01:45 AM	44.0	42.2
08:25 PM - 08:30 PM	54.6	45.8	11:05 PM - 11:10 PM	46.4	43.5	01:45 AM - 01:50 AM	43.1	41.9
08:30 PM - 08:35 PM	57.7	48.0	11:10 PM - 11:15 PM	49.7	42.7	01:50 AM - 01:55 AM	44.2	41.2
08:35 PM - 08:40 PM	57.3	55.6	11:15 PM - 11:20 PM	47.4	41.0	01:55 AM - 02:00 AM	41.8	40.8
08:40 PM - 08:45 PM	58.1	49.1	11:20 PM - 11:25 PM	48.0	40.7	02:00 AM - 02:05 AM	49.9	41.1
08:45 PM - 08:50 PM	50.6	42.3	11:25 PM - 11:30 PM	47.0	41.4	02:05 AM - 02:10 AM	42.6	41.4
08:50 PM - 08:55 PM	53.7	42.6	11:30 PM - 11:35 PM	42.9	38.6	02:10 AM - 02:15 AM	47.4	41.1
08:55 PM - 09:00 PM	54.8	42.4	11:35 PM - 11:40 PM	45.9	39.2	02:15 AM - 02:20 AM	42.2	41.2
09:00 PM - 09:05 PM	46.3	41.8	11:40 PM - 11:45 PM	43.8	37.8	02:20 AM - 02:25 AM	44.3	41.6
09:05 PM - 09:10 PM	53.1	43.2	11:45 PM - 11:50 PM	40.1	38.2	02:25 AM - 02:30 AM	45.9	41.1
09:10 PM - 09:15 PM	48.6	42.7	11:50 PM - 11:55 PM	42.4	39.0	02:30 AM - 02:35 AM	56.2	41.7
09:15 PM - 09:20 PM	47.8	42.5	11:55 PM - 12:00 AM	43.9	39.7	02:35 AM - 02:40 AM	71.4	42.0
09:20 PM - 09:25 PM	48.6	42.2	12:00 AM - 12:05 AM	43.6	40.0	02:40 AM - 02:45 AM	42.7	40.5
09:25 PM - 09:30 PM	48.9	42.8	12:05 AM - 12:10 AM	42.7	39.9	02:45 AM - 02:50 AM	41.2	40.2
09:30 PM - 09:35 PM	48.6	43.7	12:10 AM - 12:15 AM	51.4	41.0	02:50 AM - 02:55 AM	43.3	40.6
09:35 PM - 09:40 PM	52.2	44.4	12:15 AM - 12:20 AM	45.5	41.3	02:55 AM - 03:00 AM	42.0	40.7
09:40 PM - 09:45 PM	48.8	43.5	12:20 AM - 12:25 AM	43.9	42.0	03:00 AM - 03:05 AM	42.7	40.6
09:45 PM - 09:50 PM	48.8	43.2	12:25 AM - 12:30 AM	45.0	40.7	03:05 AM - 03:10 AM	43.5	40.0
09:50 PM - 09:55 PM	49.4	44.0	12:30 AM - 12:35 AM	42.6	41.0	03:10 AM - 03:15 AM	42.6	40.5
09:55 PM - 10:00 PM	47.3	43.7	12:35 AM - 12:40 AM	43.7	41.2	03:15 AM - 03:20 AM	44.0	40.5
10:00 PM - 10:05 PM	48.6	44.7	12:40 AM - 12:45 AM	48.9	40.4	03:20 AM - 03:25 AM	42.9	41.2
10:05 PM - 10:10 PM	62.5	43.7	12:45 AM - 12:50 AM	45.8	41.6	03:25 AM - 03:30 AM	44.1	41.4
10:10 PM - 10:15 PM	47.0	44.0	12:50 AM - 12:55 AM	46.5	42.6	03:30 AM - 03:35 AM	43.8	41.4
10:15 PM - 10:20 PM	45.9	42.6	12:55 AM - 01:00 AM	43.6	41.9	03:35 AM - 03:40 AM	42.0	41.0
10:20 PM - 10:25 PM	46.5	42.6	01:00 AM - 01:05 AM	42.3	41.4	03:40 AM - 03:45 AM	42.9	41.3
10:25 PM - 10:30 PM	43.7	42.3	01:05 AM - 01:10 AM	48.0	41.0	03:45 AM - 03:50 AM	44.0	41.8
10:30 PM - 10:35 PM	53.4	42.8	01:10 AM - 01:15 AM	46.7	41.0	03:50 AM - 03:55 AM	42.1	41.3
10:35 PM - 10:40 PM	47.3	43.7	01:15 AM - 01:20 AM	42.0	40.2	03:55 AM - 04:00 AM	45.0	41.4

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Approved by

Sarayuth Jittrantont  
Assistant General Manager



## Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.  
 168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230  
 P/O : RJN-BW-012/65  
 Project Name : Chonburi Bowin  
 Project Location :

Lot ID: 22144022  
 Date Received : Dec 28, 2022  
 Date Reported : Jan 04, 2023  
 Report Number : 2534260-1

Page 3 of 3

Sample Number 22144022-14  
 Parameter Noise Level (Leq 5 min)  
 Location N2 : มัสยิดบุรีรัตนาลาม  
 Measurement Date Dec 25 - Dec 26, 2022  
 Measurement by Jaradrawee Sriuksa ทะเบียนเลขที่ ๖-323-๖-9483  
 Sound Level meter Serial No. 00709746

Dec 26, 2022 Time	Leq dB(A)	L90 dB(A)	Dec 26, 2022 Time	Leq dB(A)	L90 dB(A)	Dec 26, 2022 Time	Leq dB(A)	L90 dB(A)
04:00 AM - 04:05 AM	51.5	42.6	06:40 AM - 06:45 AM	53.4	47.4	09:20 AM - 09:25 AM	54.3	46.9
04:05 AM - 04:10 AM	45.3	42.2	06:45 AM - 06:50 AM	55.2	47.9	09:25 AM - 09:30 AM	54.8	48.1
04:10 AM - 04:15 AM	47.6	42.8	06:50 AM - 06:55 AM	58.6	48.5	09:30 AM - 09:35 AM	52.9	46.3
04:15 AM - 04:20 AM	52.4	42.7	06:55 AM - 07:00 AM	53.9	48.2	09:35 AM - 09:40 AM	51.8	45.3
04:20 AM - 04:25 AM	47.8	43.0	07:00 AM - 07:05 AM	52.6	47.7	09:40 AM - 09:45 AM	53.2	45.0
04:25 AM - 04:30 AM	46.9	43.4	07:05 AM - 07:10 AM	60.1	48.6	09:45 AM - 09:50 AM	60.5	46.0
04:30 AM - 04:35 AM	47.6	44.0	07:10 AM - 07:15 AM	52.7	46.8	09:50 AM - 09:55 AM	53.0	45.3
04:35 AM - 04:40 AM	50.9	43.8	07:15 AM - 07:20 AM	55.4	47.2	09:55 AM - 10:00 AM	51.5	46.0
04:40 AM - 04:45 AM	48.4	42.4	07:20 AM - 07:25 AM	55.4	49.2	10:00 AM - 10:05 AM	57.5	46.8
04:45 AM - 04:50 AM	60.0	44.3	07:25 AM - 07:30 AM	59.7	53.2	10:05 AM - 10:10 AM	53.9	47.0
04:50 AM - 04:55 AM	50.5	42.7	07:30 AM - 07:35 AM	55.7	51.2	10:10 AM - 10:15 AM	51.1	44.1
04:55 AM - 05:00 AM	51.1	44.0	07:35 AM - 07:40 AM	55.5	51.0	10:15 AM - 10:20 AM	53.1	43.2
05:00 AM - 05:05 AM	64.8	43.2	07:40 AM - 07:45 AM	56.5	51.3	10:20 AM - 10:25 AM	50.9	43.6
05:05 AM - 05:10 AM	58.8	43.4	07:45 AM - 07:50 AM	55.4	50.9	10:25 AM - 10:30 AM	52.5	45.3
05:10 AM - 05:15 AM	52.8	43.6	07:50 AM - 07:55 AM	58.3	51.2	10:30 AM - 10:35 AM	50.5	43.6
05:15 AM - 05:20 AM	47.0	42.5	07:55 AM - 08:00 AM	55.0	47.8	10:35 AM - 10:40 AM	53.1	44.8
05:20 AM - 05:25 AM	48.1	42.4	08:00 AM - 08:05 AM	57.3	46.9	10:40 AM - 10:45 AM	50.6	43.2
05:25 AM - 05:30 AM	61.4	48.2	08:05 AM - 08:10 AM	61.6	47.4	10:45 AM - 10:50 AM	52.3	45.3
05:30 AM - 05:35 AM	60.4	43.6	08:10 AM - 08:15 AM	56.9	46.3	10:50 AM - 10:55 AM	51.7	44.8
05:35 AM - 05:40 AM	49.4	42.7	08:15 AM - 08:20 AM	52.6	46.1	10:55 AM - 11:00 AM	51.3	42.6
05:40 AM - 05:45 AM	49.2	43.1	08:20 AM - 08:25 AM	56.8	48.0	11:00 AM - 11:05 AM	51.6	43.5
05:45 AM - 05:50 AM	48.1	43.1	08:25 AM - 08:30 AM	54.7	47.7	11:05 AM - 11:10 AM	51.2	44.8
05:50 AM - 05:55 AM	49.9	43.5	08:30 AM - 08:35 AM	55.5	46.0	11:10 AM - 11:15 AM	53.1	45.2
05:55 AM - 06:00 AM	51.1	44.2	08:35 AM - 08:40 AM	59.3	49.7	11:15 AM - 11:20 AM	50.4	45.3
06:00 AM - 06:05 AM	50.8	45.5	08:40 AM - 08:45 AM	55.8	48.5	11:20 AM - 11:25 AM	52.9	43.8
06:05 AM - 06:10 AM	50.7	45.5	08:45 AM - 08:50 AM	58.3	48.0	11:25 AM - 11:30 AM	61.3	43.7
06:10 AM - 06:15 AM	51.7	45.7	08:50 AM - 08:55 AM	61.1	48.8	11:30 AM - 11:35 AM	56.7	47.8
06:15 AM - 06:20 AM	53.5	47.0	08:55 AM - 09:00 AM	57.5	47.1	11:35 AM - 11:40 AM	64.8	62.9
06:20 AM - 06:25 AM	53.5	47.6	09:00 AM - 09:05 AM	54.5	47.6	11:40 AM - 11:45 AM	60.0	57.5
06:25 AM - 06:30 AM	52.9	47.1	09:05 AM - 09:10 AM	58.3	49.4	11:45 AM - 11:50 AM	58.2	46.8
06:30 AM - 06:35 AM	52.5	47.4	09:10 AM - 09:15 AM	55.5	47.3	11:50 AM - 11:55 AM	58.6	46.8
06:35 AM - 06:40 AM	54.4	48.0	09:15 AM - 09:20 AM	58.4	47.9	11:55 AM - 12:00 PM	58.8	49.5

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Approved by

Sarayuth Jittrantont  
 Assistant General Manager



## Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230  
P/O : RJN-BW-012/65  
Project Name : Chonburi Bowin  
Project Location :

Lot ID: 22144022  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report Number : 2534261-1

Page 1 of 3

Sample Number 22144022-15  
Parameter Noise Level (Leq 5 min)  
Location N3 : หมู่บ้านไข่มุก 5  
Measurement Date Dec 19 - Dec 20, 2022  
Measurement by Jaradrawee Sriuksa ทะเบียนเลขที่ ว-323-จ-9483  
Sound Level meter Serial No. 00472127

Dec 19, 2022 Time	Leq dB(A)	L90 dB(A)	Dec 19, 2022 Time	Leq dB(A)	L90 dB(A)	Dec 19, 2022 Time	Leq dB(A)	L90 dB(A)
12:00 PM - 12:05 PM	55.4	43.0	02:40 PM - 02:45 PM	51.3	40.2	05:20 PM - 05:25 PM	55.6	42.7
12:05 PM - 12:10 PM	44.7	40.1	02:45 PM - 02:50 PM	52.7	40.4	05:25 PM - 05:30 PM	53.7	41.3
12:10 PM - 12:15 PM	50.9	40.6	02:50 PM - 02:55 PM	54.2	42.1	05:30 PM - 05:35 PM	45.7	41.0
12:15 PM - 12:20 PM	45.9	42.2	02:55 PM - 03:00 PM	46.2	39.8	05:35 PM - 05:40 PM	60.3	42.3
12:20 PM - 12:25 PM	46.7	40.5	03:00 PM - 03:05 PM	49.3	41.0	05:40 PM - 05:45 PM	49.5	42.9
12:25 PM - 12:30 PM	45.5	39.3	03:05 PM - 03:10 PM	47.1	41.5	05:45 PM - 05:50 PM	52.3	43.1
12:30 PM - 12:35 PM	46.4	41.7	03:10 PM - 03:15 PM	44.6	39.6	05:50 PM - 05:55 PM	45.4	42.8
12:35 PM - 12:40 PM	48.7	42.6	03:15 PM - 03:20 PM	49.9	40.4	05:55 PM - 06:00 PM	49.7	45.5
12:40 PM - 12:45 PM	47.7	40.3	03:20 PM - 03:25 PM	46.7	40.1	06:00 PM - 06:05 PM	50.9	47.7
12:45 PM - 12:50 PM	48.1	40.9	03:25 PM - 03:30 PM	53.5	41.0	06:05 PM - 06:10 PM	51.8	47.8
12:50 PM - 12:55 PM	47.7	42.0	03:30 PM - 03:35 PM	48.0	41.2	06:10 PM - 06:15 PM	52.6	47.4
12:55 PM - 01:00 PM	46.4	42.2	03:35 PM - 03:40 PM	46.8	40.9	06:15 PM - 06:20 PM	55.1	48.2
01:00 PM - 01:05 PM	44.6	40.6	03:40 PM - 03:45 PM	47.8	40.8	06:20 PM - 06:25 PM	48.6	47.5
01:05 PM - 01:10 PM	44.7	40.2	03:45 PM - 03:50 PM	53.3	40.6	06:25 PM - 06:30 PM	50.1	47.5
01:10 PM - 01:15 PM	45.6	41.4	03:50 PM - 03:55 PM	52.0	40.3	06:30 PM - 06:35 PM	49.1	46.2
01:15 PM - 01:20 PM	45.8	41.0	03:55 PM - 04:00 PM	48.9	39.3	06:35 PM - 06:40 PM	49.6	46.0
01:20 PM - 01:25 PM	48.8	43.0	04:00 PM - 04:05 PM	52.0	40.9	06:40 PM - 06:45 PM	47.9	46.1
01:25 PM - 01:30 PM	45.1	39.3	04:05 PM - 04:10 PM	49.3	40.3	06:45 PM - 06:50 PM	49.4	45.8
01:30 PM - 01:35 PM	44.9	40.8	04:10 PM - 04:15 PM	52.7	39.4	06:50 PM - 06:55 PM	50.3	45.6
01:35 PM - 01:40 PM	42.8	39.8	04:15 PM - 04:20 PM	49.1	39.7	06:55 PM - 07:00 PM	48.3	45.7
01:40 PM - 01:45 PM	44.5	40.2	04:20 PM - 04:25 PM	46.5	39.8	07:00 PM - 07:05 PM	48.7	45.8
01:45 PM - 01:50 PM	44.6	39.9	04:25 PM - 04:30 PM	51.5	40.8	07:05 PM - 07:10 PM	53.5	48.5
01:50 PM - 01:55 PM	50.5	40.8	04:30 PM - 04:35 PM	54.3	40.8	07:10 PM - 07:15 PM	50.4	48.4
01:55 PM - 02:00 PM	47.2	42.4	04:35 PM - 04:40 PM	45.6	39.1	07:15 PM - 07:20 PM	49.4	48.1
02:00 PM - 02:05 PM	44.4	39.8	04:40 PM - 04:45 PM	46.5	40.0	07:20 PM - 07:25 PM	48.2	45.7
02:05 PM - 02:10 PM	45.5	41.9	04:45 PM - 04:50 PM	50.9	42.1	07:25 PM - 07:30 PM	47.3	45.7
02:10 PM - 02:15 PM	45.1	40.4	04:50 PM - 04:55 PM	58.3	41.6	07:30 PM - 07:35 PM	47.1	45.8
02:15 PM - 02:20 PM	50.7	41.2	04:55 PM - 05:00 PM	50.5	41.0	07:35 PM - 07:40 PM	47.3	45.2
02:20 PM - 02:25 PM	49.0	42.7	05:00 PM - 05:05 PM	45.6	41.0	07:40 PM - 07:45 PM	46.7	44.8
02:25 PM - 02:30 PM	51.1	39.5	05:05 PM - 05:10 PM	65.7	41.9	07:45 PM - 07:50 PM	50.5	45.6
02:30 PM - 02:35 PM	47.6	41.3	05:10 PM - 05:15 PM	60.8	42.4	07:50 PM - 07:55 PM	52.1	45.6
02:35 PM - 02:40 PM	48.9	38.7	05:15 PM - 05:20 PM	61.0	41.6	07:55 PM - 08:00 PM	49.3	44.9

Approved by

Sarayuth Jitranont  
Assistant General Manager

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## Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230  
P/O : RJN-BW-012/65  
Project Name : Chonburi Bowin  
Project Location :

Lot ID: 22144022  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report Number : 2534261-1

Page 2 of 3

Sample Number 22144022-15  
Parameter Noise Level (Leq 5 min)  
Location N3 : หมู่บ้านไข่มุก 5  
Measurement Date Dec 19 - Dec 20, 2022  
Measurement by Jaradrawee Sriuksa ทะเบียนเลขที่ ๖-323-๖-9483  
Sound Level meter Serial No. 00472127

Dec 19, 2022	Leq	L90	Dec 19 - Dec 20, 2022	Leq	L90	Dec 20, 2022	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
08:00 PM - 08:05 PM	47.5	44.7	10:40 PM - 10:45 PM	45.7	44.4	01:20 AM - 01:25 AM	44.6	43.1
08:05 PM - 08:10 PM	44.9	44.0	10:45 PM - 10:50 PM	45.4	43.9	01:25 AM - 01:30 AM	44.9	43.7
08:10 PM - 08:15 PM	46.3	44.3	10:50 PM - 10:55 PM	44.5	43.5	01:30 AM - 01:35 AM	45.5	43.5
08:15 PM - 08:20 PM	47.3	44.5	10:55 PM - 11:00 PM	44.2	43.2	01:35 AM - 01:40 AM	46.1	43.3
08:20 PM - 08:25 PM	45.0	43.9	11:00 PM - 11:05 PM	44.0	43.2	01:40 AM - 01:45 AM	45.8	43.7
08:25 PM - 08:30 PM	45.5	44.2	11:05 PM - 11:10 PM	45.1	43.5	01:45 AM - 01:50 AM	44.7	43.0
08:30 PM - 08:35 PM	46.1	44.4	11:10 PM - 11:15 PM	45.9	44.1	01:50 AM - 01:55 AM	45.3	43.1
08:35 PM - 08:40 PM	46.7	44.9	11:15 PM - 11:20 PM	45.5	43.5	01:55 AM - 02:00 AM	44.2	42.8
08:40 PM - 08:45 PM	45.5	44.5	11:20 PM - 11:25 PM	44.5	43.1	02:00 AM - 02:05 AM	44.9	43.1
08:45 PM - 08:50 PM	45.0	43.9	11:25 PM - 11:30 PM	44.8	43.2	02:05 AM - 02:10 AM	44.2	43.3
08:50 PM - 08:55 PM	45.1	44.2	11:30 PM - 11:35 PM	44.7	42.8	02:10 AM - 02:15 AM	44.3	42.8
08:55 PM - 09:00 PM	45.2	44.1	11:35 PM - 11:40 PM	43.7	42.9	02:15 AM - 02:20 AM	43.4	42.2
09:00 PM - 09:05 PM	44.6	44.0	11:40 PM - 11:45 PM	43.7	42.8	02:20 AM - 02:25 AM	44.2	42.4
09:05 PM - 09:10 PM	44.8	44.2	11:45 PM - 11:50 PM	43.2	42.7	02:25 AM - 02:30 AM	43.5	41.9
09:10 PM - 09:15 PM	45.1	44.3	11:50 PM - 11:55 PM	43.8	42.9	02:30 AM - 02:35 AM	44.6	42.2
09:15 PM - 09:20 PM	44.8	44.0	11:55 PM - 12:00 AM	43.3	42.5	02:35 AM - 02:40 AM	48.7	42.5
09:20 PM - 09:25 PM	44.8	43.9	12:00 AM - 12:05 AM	44.0	42.5	02:40 AM - 02:45 AM	51.9	42.4
09:25 PM - 09:30 PM	44.7	43.7	12:05 AM - 12:10 AM	43.4	42.7	02:45 AM - 02:50 AM	43.7	41.7
09:30 PM - 09:35 PM	44.8	43.8	12:10 AM - 12:15 AM	43.6	42.4	02:50 AM - 02:55 AM	44.6	42.5
09:35 PM - 09:40 PM	44.2	43.5	12:15 AM - 12:20 AM	43.7	42.7	02:55 AM - 03:00 AM	43.3	42.3
09:40 PM - 09:45 PM	44.4	43.6	12:20 AM - 12:25 AM	43.3	42.8	03:00 AM - 03:05 AM	43.4	42.0
09:45 PM - 09:50 PM	44.9	44.1	12:25 AM - 12:30 AM	43.4	42.5	03:05 AM - 03:10 AM	43.3	41.4
09:50 PM - 09:55 PM	44.9	43.8	12:30 AM - 12:35 AM	43.0	42.5	03:10 AM - 03:15 AM	42.1	40.9
09:55 PM - 10:00 PM	44.7	43.6	12:35 AM - 12:40 AM	42.8	42.2	03:15 AM - 03:20 AM	42.4	41.3
10:00 PM - 10:05 PM	45.7	44.1	12:40 AM - 12:45 AM	43.3	42.3	03:20 AM - 03:25 AM	43.2	41.7
10:05 PM - 10:10 PM	46.5	44.3	12:45 AM - 12:50 AM	43.7	42.6	03:25 AM - 03:30 AM	42.1	41.0
10:10 PM - 10:15 PM	45.6	44.2	12:50 AM - 12:55 AM	43.6	42.8	03:30 AM - 03:35 AM	42.2	41.1
10:15 PM - 10:20 PM	45.1	44.0	12:55 AM - 01:00 AM	44.0	43.2	03:35 AM - 03:40 AM	42.2	41.1
10:20 PM - 10:25 PM	45.3	44.2	01:00 AM - 01:05 AM	43.6	42.9	03:40 AM - 03:45 AM	42.0	41.1
10:25 PM - 10:30 PM	45.0	43.8	01:05 AM - 01:10 AM	44.0	42.7	03:45 AM - 03:50 AM	42.2	41.2
10:30 PM - 10:35 PM	45.3	44.1	01:10 AM - 01:15 AM	57.8	43.1	03:50 AM - 03:55 AM	42.8	41.6
10:35 PM - 10:40 PM	45.8	44.2	01:15 AM - 01:20 AM	69.5	43.7	03:55 AM - 04:00 AM	42.9	41.9

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Approved by

Sarayuth Jittrantont  
Assistant General Manager



## Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230  
P/O : RJN-BW-012/65  
Project Name : Chonburi Bowin  
Project Location :

Lot ID: 22144022  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report Number : 2534261-1

Page 3 of 3

Sample Number 22144022-15  
Parameter Noise Level (Leq 5 min)  
Location N3 : หมู่บ้านไข่มุก 5  
Measurement Date Dec 19 - Dec 20, 2022  
Measurement by Jaradrawee Sriuksa ทะเบียนเลขที่ ๖-323-๖-9483  
Sound Level meter Serial No. 00472127

Dec 20, 2022 Time	Leq dB(A)	L90 dB(A)	Dec 20, 2022 Time	Leq dB(A)	L90 dB(A)	Dec 20, 2022 Time	Leq dB(A)	L90 dB(A)
04:00 AM - 04:05 AM	43.3	42.2	06:40 AM - 06:45 AM	55.6	44.2	09:20 AM - 09:25 AM	47.0	43.2
04:05 AM - 04:10 AM	43.1	42.2	06:45 AM - 06:50 AM	48.3	43.7	09:25 AM - 09:30 AM	46.2	42.5
04:10 AM - 04:15 AM	54.7	42.3	06:50 AM - 06:55 AM	51.6	44.1	09:30 AM - 09:35 AM	50.0	44.2
04:15 AM - 04:20 AM	46.3	42.3	06:55 AM - 07:00 AM	47.2	43.3	09:35 AM - 09:40 AM	46.0	43.0
04:20 AM - 04:25 AM	43.0	41.8	07:00 AM - 07:05 AM	51.0	44.3	09:40 AM - 09:45 AM	46.0	42.1
04:25 AM - 04:30 AM	43.4	41.8	07:05 AM - 07:10 AM	56.1	44.0	09:45 AM - 09:50 AM	53.2	43.8
04:30 AM - 04:35 AM	43.1	41.7	07:10 AM - 07:15 AM	50.2	44.0	09:50 AM - 09:55 AM	50.1	43.4
04:35 AM - 04:40 AM	43.2	41.9	07:15 AM - 07:20 AM	53.1	45.7	09:55 AM - 10:00 AM	48.3	43.9
04:40 AM - 04:45 AM	44.0	42.5	07:20 AM - 07:25 AM	48.5	43.6	10:00 AM - 10:05 AM	48.6	43.1
04:45 AM - 04:50 AM	43.5	42.2	07:25 AM - 07:30 AM	52.2	44.4	10:05 AM - 10:10 AM	49.9	43.4
04:50 AM - 04:55 AM	44.0	42.4	07:30 AM - 07:35 AM	48.1	43.9	10:10 AM - 10:15 AM	47.1	41.3
04:55 AM - 05:00 AM	43.5	42.2	07:35 AM - 07:40 AM	47.6	43.6	10:15 AM - 10:20 AM	47.2	42.1
05:00 AM - 05:05 AM	44.0	42.4	07:40 AM - 07:45 AM	46.8	43.1	10:20 AM - 10:25 AM	48.5	42.9
05:05 AM - 05:10 AM	44.7	42.4	07:45 AM - 07:50 AM	54.2	43.2	10:25 AM - 10:30 AM	52.8	43.6
05:10 AM - 05:15 AM	44.2	42.3	07:50 AM - 07:55 AM	49.4	44.3	10:30 AM - 10:35 AM	54.8	43.8
05:15 AM - 05:20 AM	43.4	42.2	07:55 AM - 08:00 AM	46.2	42.6	10:35 AM - 10:40 AM	53.5	44.1
05:20 AM - 05:25 AM	51.9	42.4	08:00 AM - 08:05 AM	51.0	44.4	10:40 AM - 10:45 AM	55.6	43.3
05:25 AM - 05:30 AM	56.2	42.8	08:05 AM - 08:10 AM	47.7	43.9	10:45 AM - 10:50 AM	53.1	43.3
05:30 AM - 05:35 AM	52.5	42.6	08:10 AM - 08:15 AM	52.1	44.6	10:50 AM - 10:55 AM	49.2	43.8
05:35 AM - 05:40 AM	50.9	42.4	08:15 AM - 08:20 AM	50.1	43.3	10:55 AM - 11:00 AM	51.1	42.0
05:40 AM - 05:45 AM	49.1	42.7	08:20 AM - 08:25 AM	59.0	52.3	11:00 AM - 11:05 AM	48.6	41.4
05:45 AM - 05:50 AM	51.9	43.0	08:25 AM - 08:30 AM	57.8	45.4	11:05 AM - 11:10 AM	46.2	40.4
05:50 AM - 05:55 AM	53.4	43.8	08:30 AM - 08:35 AM	48.3	44.7	11:10 AM - 11:15 AM	52.4	42.4
05:55 AM - 06:00 AM	55.9	43.8	08:35 AM - 08:40 AM	50.2	43.9	11:15 AM - 11:20 AM	56.1	42.5
06:00 AM - 06:05 AM	62.7	43.4	08:40 AM - 08:45 AM	52.9	51.5	11:20 AM - 11:25 AM	50.1	43.1
06:05 AM - 06:10 AM	50.6	42.7	08:45 AM - 08:50 AM	58.7	45.8	11:25 AM - 11:30 AM	44.4	40.0
06:10 AM - 06:15 AM	50.4	43.5	08:50 AM - 08:55 AM	47.0	43.5	11:30 AM - 11:35 AM	47.4	41.3
06:15 AM - 06:20 AM	48.8	43.6	08:55 AM - 09:00 AM	48.3	43.3	11:35 AM - 11:40 AM	53.1	40.6
06:20 AM - 06:25 AM	46.6	43.3	09:00 AM - 09:05 AM	52.2	42.7	11:40 AM - 11:45 AM	56.1	43.2
06:25 AM - 06:30 AM	54.2	44.6	09:05 AM - 09:10 AM	54.2	45.7	11:45 AM - 11:50 AM	55.1	42.2
06:30 AM - 06:35 AM	60.9	44.0	09:10 AM - 09:15 AM	49.6	44.6	11:50 AM - 11:55 AM	44.2	40.5
06:35 AM - 06:40 AM	53.6	44.1	09:15 AM - 09:20 AM	47.6	43.4	11:55 AM - 12:00 PM	44.7	39.7

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Approved by

Sarayuth Jitranont  
Assistant General Manager



## Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230  
P/O : RJN-BW-012/65  
Project Name : Chonburi Bowin  
Project Location :

Lot ID: 22144022  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report Number : 2534262-1

Page 1 of 3

Sample Number 22144022-16  
Parameter Noise Level (Leq 5 min)  
Location N3 : หมู่บ้านไข่มุก 5  
Measurement Date Dec 20 - Dec 21, 2022  
Measurement by Jaradrawee Sriuksa ทะเบียนเลขที่ ว-323-จ-9483  
Sound Level meter Serial No. 00472127

Dec 20, 2022 Time	Leq dB(A)	L90 dB(A)	Dec 20, 2022 Time	Leq dB(A)	L90 dB(A)	Dec 20, 2022 Time	Leq dB(A)	L90 dB(A)
12:00 PM - 12:05 PM	47.2	43.0	02:40 PM - 02:45 PM	45.4	37.1	05:20 PM - 05:25 PM	58.3	42.8
12:05 PM - 12:10 PM	45.5	39.1	02:45 PM - 02:50 PM	43.0	36.9	05:25 PM - 05:30 PM	47.2	42.3
12:10 PM - 12:15 PM	49.8	42.4	02:50 PM - 02:55 PM	45.4	38.1	05:30 PM - 05:35 PM	48.4	43.9
12:15 PM - 12:20 PM	44.5	41.8	02:55 PM - 03:00 PM	45.9	36.8	05:35 PM - 05:40 PM	49.6	43.2
12:20 PM - 12:25 PM	47.0	41.8	03:00 PM - 03:05 PM	42.9	36.9	05:40 PM - 05:45 PM	54.7	45.5
12:25 PM - 12:30 PM	48.7	43.8	03:05 PM - 03:10 PM	41.9	37.3	05:45 PM - 05:50 PM	48.0	44.2
12:30 PM - 12:35 PM	46.3	42.1	03:10 PM - 03:15 PM	43.0	38.0	05:50 PM - 05:55 PM	48.1	44.6
12:35 PM - 12:40 PM	45.4	42.1	03:15 PM - 03:20 PM	58.0	37.6	05:55 PM - 06:00 PM	47.8	45.6
12:40 PM - 12:45 PM	47.1	42.6	03:20 PM - 03:25 PM	42.4	37.2	06:00 PM - 06:05 PM	50.5	47.3
12:45 PM - 12:50 PM	45.7	40.7	03:25 PM - 03:30 PM	42.7	38.3	06:05 PM - 06:10 PM	50.5	48.6
12:50 PM - 12:55 PM	49.1	40.9	03:30 PM - 03:35 PM	45.9	37.7	06:10 PM - 06:15 PM	51.8	48.6
12:55 PM - 01:00 PM	44.5	40.0	03:35 PM - 03:40 PM	41.9	38.0	06:15 PM - 06:20 PM	53.2	49.1
01:00 PM - 01:05 PM	45.5	40.1	03:40 PM - 03:45 PM	45.4	39.0	06:20 PM - 06:25 PM	53.3	49.1
01:05 PM - 01:10 PM	46.0	39.7	03:45 PM - 03:50 PM	45.8	38.4	06:25 PM - 06:30 PM	51.9	49.3
01:10 PM - 01:15 PM	50.1	38.4	03:50 PM - 03:55 PM	43.7	39.1	06:30 PM - 06:35 PM	52.6	49.1
01:15 PM - 01:20 PM	43.7	37.4	03:55 PM - 04:00 PM	42.6	38.0	06:35 PM - 06:40 PM	51.3	48.8
01:20 PM - 01:25 PM	42.7	37.4	04:00 PM - 04:05 PM	42.4	37.7	06:40 PM - 06:45 PM	51.2	49.2
01:25 PM - 01:30 PM	43.2	37.7	04:05 PM - 04:10 PM	53.4	41.6	06:45 PM - 06:50 PM	52.9	49.8
01:30 PM - 01:35 PM	43.9	37.6	04:10 PM - 04:15 PM	50.6	38.0	06:50 PM - 06:55 PM	52.8	49.4
01:35 PM - 01:40 PM	44.8	37.9	04:15 PM - 04:20 PM	51.1	38.7	06:55 PM - 07:00 PM	53.3	49.2
01:40 PM - 01:45 PM	45.2	37.5	04:20 PM - 04:25 PM	52.1	40.0	07:00 PM - 07:05 PM	53.0	48.5
01:45 PM - 01:50 PM	45.3	38.5	04:25 PM - 04:30 PM	55.1	42.3	07:05 PM - 07:10 PM	51.6	48.1
01:50 PM - 01:55 PM	44.8	37.6	04:30 PM - 04:35 PM	61.4	41.2	07:10 PM - 07:15 PM	53.1	48.7
01:55 PM - 02:00 PM	44.0	37.3	04:35 PM - 04:40 PM	55.4	42.2	07:15 PM - 07:20 PM	52.1	48.4
02:00 PM - 02:05 PM	45.0	37.3	04:40 PM - 04:45 PM	45.6	40.7	07:20 PM - 07:25 PM	51.1	47.9
02:05 PM - 02:10 PM	51.5	39.2	04:45 PM - 04:50 PM	48.4	42.1	07:25 PM - 07:30 PM	50.6	47.8
02:10 PM - 02:15 PM	45.5	39.2	04:50 PM - 04:55 PM	50.3	41.6	07:30 PM - 07:35 PM	50.9	47.7
02:15 PM - 02:20 PM	53.3	39.1	04:55 PM - 05:00 PM	50.7	41.5	07:35 PM - 07:40 PM	49.3	47.4
02:20 PM - 02:25 PM	64.8	39.1	05:00 PM - 05:05 PM	51.9	42.5	07:40 PM - 07:45 PM	48.9	48.1
02:25 PM - 02:30 PM	54.9	37.9	05:05 PM - 05:10 PM	51.0	41.3	07:45 PM - 07:50 PM	50.0	47.9
02:30 PM - 02:35 PM	44.5	38.6	05:10 PM - 05:15 PM	55.0	44.8	07:50 PM - 07:55 PM	56.0	47.7
02:35 PM - 02:40 PM	50.7	37.3	05:15 PM - 05:20 PM	53.7	43.1	07:55 PM - 08:00 PM	51.7	47.8

Approved by

Sarayuth Jitranont  
Assistant General Manager

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## Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230  
P/O : RJN-BW-012/65  
Project Name : Chonburi Bowin  
Project Location :

Lot ID: 22144022  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report Number : 2534262-1

Page 2 of 3

Sample Number 22144022-16  
Parameter Noise Level (Leq 5 min)  
Location N3 : หมู่บ้านไข่มุก 5  
Measurement Date Dec 20 - Dec 21, 2022  
Measurement by Jaradrawee Sriuksa ทะเบียนเลขที่ ๖-323-๖-9483  
Sound Level meter Serial No. 00472127

Dec 20, 2022	Leq	L90	Dec 20 - Dec 21, 2022	Leq	L90	Dec 21, 2022	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
08:00 PM - 08:05 PM	48.4	47.3	10:40 PM - 10:45 PM	45.4	44.7	01:20 AM - 01:25 AM	73.0	45.4
08:05 PM - 08:10 PM	47.8	46.9	10:45 PM - 10:50 PM	45.2	44.6	01:25 AM - 01:30 AM	72.5	44.3
08:10 PM - 08:15 PM	48.6	47.0	10:50 PM - 10:55 PM	48.2	44.5	01:30 AM - 01:35 AM	44.4	42.9
08:15 PM - 08:20 PM	52.1	47.2	10:55 PM - 11:00 PM	45.1	44.6	01:35 AM - 01:40 AM	43.9	42.7
08:20 PM - 08:25 PM	49.4	47.2	11:00 PM - 11:05 PM	45.3	44.7	01:40 AM - 01:45 AM	45.8	42.6
08:25 PM - 08:30 PM	48.9	47.0	11:05 PM - 11:10 PM	45.4	44.9	01:45 AM - 01:50 AM	43.7	42.2
08:30 PM - 08:35 PM	47.9	46.4	11:10 PM - 11:15 PM	45.7	44.9	01:50 AM - 01:55 AM	42.9	41.8
08:35 PM - 08:40 PM	50.4	46.8	11:15 PM - 11:20 PM	45.7	45.0	01:55 AM - 02:00 AM	43.4	42.0
08:40 PM - 08:45 PM	50.9	46.6	11:20 PM - 11:25 PM	46.2	45.1	02:00 AM - 02:05 AM	42.8	41.7
08:45 PM - 08:50 PM	51.9	46.7	11:25 PM - 11:30 PM	45.1	44.4	02:05 AM - 02:10 AM	44.9	42.7
08:50 PM - 08:55 PM	50.7	45.9	11:30 PM - 11:35 PM	45.6	44.7	02:10 AM - 02:15 AM	46.0	42.8
08:55 PM - 09:00 PM	47.8	45.9	11:35 PM - 11:40 PM	51.1	45.1	02:15 AM - 02:20 AM	56.6	43.5
09:00 PM - 09:05 PM	47.4	45.9	11:40 PM - 11:45 PM	45.4	44.7	02:20 AM - 02:25 AM	43.1	41.9
09:05 PM - 09:10 PM	47.6	45.9	11:45 PM - 11:50 PM	45.9	44.9	02:25 AM - 02:30 AM	45.2	42.9
09:10 PM - 09:15 PM	46.2	45.4	11:50 PM - 11:55 PM	45.5	44.5	02:30 AM - 02:35 AM	45.0	42.6
09:15 PM - 09:20 PM	47.2	45.7	11:55 PM - 12:00 AM	45.8	44.3	02:35 AM - 02:40 AM	45.3	43.0
09:20 PM - 09:25 PM	47.3	46.1	12:00 AM - 12:05 AM	50.2	44.1	02:40 AM - 02:45 AM	45.9	42.8
09:25 PM - 09:30 PM	48.4	46.4	12:05 AM - 12:10 AM	45.2	44.0	02:45 AM - 02:50 AM	45.0	43.2
09:30 PM - 09:35 PM	49.9	46.4	12:10 AM - 12:15 AM	44.3	43.6	02:50 AM - 02:55 AM	44.2	42.8
09:35 PM - 09:40 PM	47.9	46.0	12:15 AM - 12:20 AM	44.0	43.4	02:55 AM - 03:00 AM	44.2	42.5
09:40 PM - 09:45 PM	47.9	45.5	12:20 AM - 12:25 AM	44.1	43.6	03:00 AM - 03:05 AM	44.7	42.8
09:45 PM - 09:50 PM	47.3	45.6	12:25 AM - 12:30 AM	44.2	43.7	03:05 AM - 03:10 AM	52.0	42.4
09:50 PM - 09:55 PM	47.6	45.6	12:30 AM - 12:35 AM	44.1	43.1	03:10 AM - 03:15 AM	47.4	43.4
09:55 PM - 10:00 PM	46.1	45.2	12:35 AM - 12:40 AM	43.3	42.7	03:15 AM - 03:20 AM	46.1	42.7
10:00 PM - 10:05 PM	45.9	45.4	12:40 AM - 12:45 AM	43.6	43.0	03:20 AM - 03:25 AM	44.7	42.9
10:05 PM - 10:10 PM	45.9	45.1	12:45 AM - 12:50 AM	43.8	43.1	03:25 AM - 03:30 AM	43.8	42.5
10:10 PM - 10:15 PM	45.4	44.5	12:50 AM - 12:55 AM	44.4	43.2	03:30 AM - 03:35 AM	46.7	42.4
10:15 PM - 10:20 PM	45.8	44.7	12:55 AM - 01:00 AM	45.5	44.4	03:35 AM - 03:40 AM	43.4	42.3
10:20 PM - 10:25 PM	45.2	44.2	01:00 AM - 01:05 AM	44.7	43.3	03:40 AM - 03:45 AM	43.5	42.7
10:25 PM - 10:30 PM	45.2	44.3	01:05 AM - 01:10 AM	44.1	43.4	03:45 AM - 03:50 AM	53.6	43.6
10:30 PM - 10:35 PM	44.8	44.3	01:10 AM - 01:15 AM	44.3	43.6	03:50 AM - 03:55 AM	44.4	42.8
10:35 PM - 10:40 PM	45.1	44.4	01:15 AM - 01:20 AM	44.0	43.2	03:55 AM - 04:00 AM	43.7	42.6

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Approved by

Sarayuth Jittrantont  
Assistant General Manager





## Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230  
P/O : RJN-BW-012/65  
Project Name : Chonburi Bowin  
Project Location :

Lot ID: 22144022  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report Number : 2534262-1

Page 3 of 3

Sample Number 22144022-16  
Parameter Noise Level (Leq 5 min)  
Location N3 : หมู่บ้านไข่มุก 5  
Measurement Date Dec 20 - Dec 21, 2022  
Measurement by Jaradrawee Sriruksa ทะเบียนเลขที่ ๖-323-๖-9483  
Sound Level meter Serial No. 00472127

Dec 21, 2022 Time	Leq dB(A)	L90 dB(A)	Dec 21, 2022 Time	Leq dB(A)	L90 dB(A)	Dec 21, 2022 Time	Leq dB(A)	L90 dB(A)
04:00 AM - 04:05 AM	44.5	43.7	06:40 AM - 06:45 AM	48.8	45.0	09:20 AM - 09:25 AM	51.0	44.8
04:05 AM - 04:10 AM	44.6	43.9	06:45 AM - 06:50 AM	49.9	45.1	09:25 AM - 09:30 AM	48.1	42.6
04:10 AM - 04:15 AM	44.9	43.9	06:50 AM - 06:55 AM	54.0	45.5	09:30 AM - 09:35 AM	51.3	43.1
04:15 AM - 04:20 AM	48.7	44.0	06:55 AM - 07:00 AM	48.5	45.0	09:35 AM - 09:40 AM	47.3	42.1
04:20 AM - 04:25 AM	44.3	43.5	07:00 AM - 07:05 AM	48.0	45.6	09:40 AM - 09:45 AM	45.9	42.2
04:25 AM - 04:30 AM	44.5	43.6	07:05 AM - 07:10 AM	48.8	44.9	09:45 AM - 09:50 AM	48.9	42.0
04:30 AM - 04:35 AM	43.4	42.8	07:10 AM - 07:15 AM	50.6	45.3	09:50 AM - 09:55 AM	45.4	41.6
04:35 AM - 04:40 AM	43.6	42.7	07:15 AM - 07:20 AM	53.6	47.0	09:55 AM - 10:00 AM	64.9	42.7
04:40 AM - 04:45 AM	48.7	42.9	07:20 AM - 07:25 AM	52.9	46.1	10:00 AM - 10:05 AM	47.8	42.7
04:45 AM - 04:50 AM	57.1	43.2	07:25 AM - 07:30 AM	49.1	45.1	10:05 AM - 10:10 AM	47.9	40.7
04:50 AM - 04:55 AM	51.6	43.2	07:30 AM - 07:35 AM	49.5	44.2	10:10 AM - 10:15 AM	62.2	44.9
04:55 AM - 05:00 AM	44.8	43.6	07:35 AM - 07:40 AM	47.2	43.7	10:15 AM - 10:20 AM	47.2	42.0
05:00 AM - 05:05 AM	44.4	43.3	07:40 AM - 07:45 AM	48.7	45.5	10:20 AM - 10:25 AM	44.8	41.6
05:05 AM - 05:10 AM	43.9	43.1	07:45 AM - 07:50 AM	49.3	45.6	10:25 AM - 10:30 AM	46.9	41.0
05:10 AM - 05:15 AM	43.7	42.9	07:50 AM - 07:55 AM	51.9	45.5	10:30 AM - 10:35 AM	49.3	41.5
05:15 AM - 05:20 AM	44.2	43.0	07:55 AM - 08:00 AM	49.6	43.1	10:35 AM - 10:40 AM	47.1	41.9
05:20 AM - 05:25 AM	44.1	42.9	08:00 AM - 08:05 AM	49.3	43.2	10:40 AM - 10:45 AM	46.4	40.1
05:25 AM - 05:30 AM	50.8	43.5	08:05 AM - 08:10 AM	48.5	43.0	10:45 AM - 10:50 AM	49.3	41.1
05:30 AM - 05:35 AM	57.5	43.7	08:10 AM - 08:15 AM	49.3	42.8	10:50 AM - 10:55 AM	47.6	40.6
05:35 AM - 05:40 AM	57.6	43.7	08:15 AM - 08:20 AM	55.9	44.5	10:55 AM - 11:00 AM	44.7	41.1
05:40 AM - 05:45 AM	51.5	44.1	08:20 AM - 08:25 AM	50.0	44.4	11:00 AM - 11:05 AM	45.1	40.4
05:45 AM - 05:50 AM	51.0	44.2	08:25 AM - 08:30 AM	51.8	44.0	11:05 AM - 11:10 AM	45.3	39.8
05:50 AM - 05:55 AM	50.3	44.2	08:30 AM - 08:35 AM	52.5	43.9	11:10 AM - 11:15 AM	45.5	41.6
05:55 AM - 06:00 AM	52.8	44.8	08:35 AM - 08:40 AM	56.6	43.9	11:15 AM - 11:20 AM	51.7	40.5
06:00 AM - 06:05 AM	50.7	45.0	08:40 AM - 08:45 AM	51.0	45.1	11:20 AM - 11:25 AM	49.1	41.5
06:05 AM - 06:10 AM	47.0	44.4	08:45 AM - 08:50 AM	52.4	44.9	11:25 AM - 11:30 AM	48.5	39.7
06:10 AM - 06:15 AM	53.9	44.7	08:50 AM - 08:55 AM	47.4	42.8	11:30 AM - 11:35 AM	45.0	39.0
06:15 AM - 06:20 AM	47.3	44.2	08:55 AM - 09:00 AM	51.8	42.5	11:35 AM - 11:40 AM	45.7	40.0
06:20 AM - 06:25 AM	47.5	43.6	09:00 AM - 09:05 AM	53.6	43.7	11:40 AM - 11:45 AM	49.0	37.1
06:25 AM - 06:30 AM	49.6	43.8	09:05 AM - 09:10 AM	50.9	42.7	11:45 AM - 11:50 AM	45.8	39.1
06:30 AM - 06:35 AM	51.5	44.4	09:10 AM - 09:15 AM	51.5	45.4	11:50 AM - 11:55 AM	45.1	40.1
06:35 AM - 06:40 AM	49.5	45.2	09:15 AM - 09:20 AM	55.0	44.7	11:55 AM - 12:00 PM	43.0	38.7

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Approved by

Sarayuth Jittrantont  
Assistant General Manager



## Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230  
P/O : RJN-BW-012/65  
Project Name : Chonburi Bowin  
Project Location :

Lot ID: 22144022  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report Number : 2534263-1

Page 1 of 3

Sample Number 22144022-17  
Parameter Noise Level (Leq 5 min)  
Location N3 : หมู่บ้านไข่มุก 5  
Measurement Date Dec 21 - Dec 22, 2022  
Measurement by Jaradrawee Sriuksa ทะเบียนเลขที่ ว-323-จ-9483  
Sound Level meter Serial No. 00472127

Dec 21, 2022 Time	Leq dB(A)	L90 dB(A)	Dec 21, 2022 Time	Leq dB(A)	L90 dB(A)	Dec 21, 2022 Time	Leq dB(A)	L90 dB(A)
12:00 PM - 12:05 PM	44.1	40.7	02:40 PM - 02:45 PM	70.2	45.3	05:20 PM - 05:25 PM	61.6	43.3
12:05 PM - 12:10 PM	49.7	41.1	02:45 PM - 02:50 PM	66.1	39.5	05:25 PM - 05:30 PM	55.1	43.4
12:10 PM - 12:15 PM	49.3	39.8	02:50 PM - 02:55 PM	45.3	38.4	05:30 PM - 05:35 PM	50.9	43.3
12:15 PM - 12:20 PM	52.3	42.0	02:55 PM - 03:00 PM	45.4	36.5	05:35 PM - 05:40 PM	46.4	42.7
12:20 PM - 12:25 PM	42.7	39.8	03:00 PM - 03:05 PM	48.2	42.1	05:40 PM - 05:45 PM	49.6	43.3
12:25 PM - 12:30 PM	42.9	38.9	03:05 PM - 03:10 PM	45.2	40.1	05:45 PM - 05:50 PM	48.8	44.1
12:30 PM - 12:35 PM	52.7	39.6	03:10 PM - 03:15 PM	45.5	37.8	05:50 PM - 05:55 PM	48.7	44.0
12:35 PM - 12:40 PM	53.0	41.3	03:15 PM - 03:20 PM	46.2	39.3	05:55 PM - 06:00 PM	45.3	43.2
12:40 PM - 12:45 PM	43.3	39.7	03:20 PM - 03:25 PM	45.9	39.7	06:00 PM - 06:05 PM	48.7	44.6
12:45 PM - 12:50 PM	46.2	40.7	03:25 PM - 03:30 PM	47.3	40.0	06:05 PM - 06:10 PM	49.9	47.5
12:50 PM - 12:55 PM	44.8	40.5	03:30 PM - 03:35 PM	45.3	39.7	06:10 PM - 06:15 PM	53.4	50.2
12:55 PM - 01:00 PM	46.8	40.8	03:35 PM - 03:40 PM	51.0	37.8	06:15 PM - 06:20 PM	52.0	50.6
01:00 PM - 01:05 PM	44.8	40.4	03:40 PM - 03:45 PM	49.7	39.7	06:20 PM - 06:25 PM	52.1	50.8
01:05 PM - 01:10 PM	45.3	41.7	03:45 PM - 03:50 PM	41.8	38.0	06:25 PM - 06:30 PM	51.9	50.7
01:10 PM - 01:15 PM	45.6	40.5	03:50 PM - 03:55 PM	45.1	39.6	06:30 PM - 06:35 PM	52.3	50.8
01:15 PM - 01:20 PM	45.6	40.0	03:55 PM - 04:00 PM	46.8	40.4	06:35 PM - 06:40 PM	52.9	50.5
01:20 PM - 01:25 PM	47.2	41.1	04:00 PM - 04:05 PM	43.3	39.6	06:40 PM - 06:45 PM	52.4	50.5
01:25 PM - 01:30 PM	52.0	39.6	04:05 PM - 04:10 PM	44.2	39.2	06:45 PM - 06:50 PM	50.8	49.0
01:30 PM - 01:35 PM	45.6	40.4	04:10 PM - 04:15 PM	53.1	40.4	06:50 PM - 06:55 PM	51.2	49.1
01:35 PM - 01:40 PM	46.2	39.6	04:15 PM - 04:20 PM	52.1	40.0	06:55 PM - 07:00 PM	51.6	49.5
01:40 PM - 01:45 PM	45.0	40.4	04:20 PM - 04:25 PM	54.2	39.9	07:00 PM - 07:05 PM	53.1	49.3
01:45 PM - 01:50 PM	42.2	38.1	04:25 PM - 04:30 PM	48.7	40.2	07:05 PM - 07:10 PM	56.7	49.0
01:50 PM - 01:55 PM	47.5	40.2	04:30 PM - 04:35 PM	44.8	39.7	07:10 PM - 07:15 PM	51.7	49.1
01:55 PM - 02:00 PM	43.5	39.2	04:35 PM - 04:40 PM	47.7	38.7	07:15 PM - 07:20 PM	54.5	48.7
02:00 PM - 02:05 PM	43.3	39.6	04:40 PM - 04:45 PM	52.1	42.2	07:20 PM - 07:25 PM	50.9	48.2
02:05 PM - 02:10 PM	50.3	38.9	04:45 PM - 04:50 PM	50.4	42.5	07:25 PM - 07:30 PM	51.0	48.3
02:10 PM - 02:15 PM	46.8	38.6	04:50 PM - 04:55 PM	55.3	43.5	07:30 PM - 07:35 PM	49.6	48.8
02:15 PM - 02:20 PM	42.4	38.1	04:55 PM - 05:00 PM	52.4	41.0	07:35 PM - 07:40 PM	49.7	48.9
02:20 PM - 02:25 PM	46.2	38.7	05:00 PM - 05:05 PM	48.3	40.3	07:40 PM - 07:45 PM	51.0	48.8
02:25 PM - 02:30 PM	46.4	39.4	05:05 PM - 05:10 PM	48.7	42.0	07:45 PM - 07:50 PM	50.3	49.1
02:30 PM - 02:35 PM	49.4	43.3	05:10 PM - 05:15 PM	44.5	40.9	07:50 PM - 07:55 PM	51.3	49.1
02:35 PM - 02:40 PM	46.5	42.2	05:15 PM - 05:20 PM	67.2	43.1	07:55 PM - 08:00 PM	50.7	48.5

Approved by

Sarayuth Jittrantont  
Assistant General Manager

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## Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230  
P/O : RJN-BW-012/65  
Project Name : Chonburi Bowin  
Project Location :

Lot ID: 22144022  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report Number : 2534263-1

Page 2 of 3

Sample Number 22144022-17  
Parameter Noise Level (Leq 5 min)  
Location N3 : หมู่บ้านไข่มุก 5  
Measurement Date Dec 21 - Dec 22, 2022  
Measurement by Jaradrawee Sriuksa ทะเบียนเลขที่ ๖-323-๖-9483  
Sound Level meter Serial No. 00472127

Dec 21, 2022	Leq	L90	Dec 21 - Dec 22, 2022	Leq	L90	Dec 22, 2022	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
08:00 PM - 08:05 PM	51.0	48.7	10:40 PM - 10:45 PM	46.0	45.3	01:20 AM - 01:25 AM	46.0	45.1
08:05 PM - 08:10 PM	50.9	48.7	10:45 PM - 10:50 PM	45.9	45.3	01:25 AM - 01:30 AM	45.7	44.9
08:10 PM - 08:15 PM	49.9	48.0	10:50 PM - 10:55 PM	46.3	45.1	01:30 AM - 01:35 AM	45.9	45.1
08:15 PM - 08:20 PM	49.6	47.9	10:55 PM - 11:00 PM	46.3	45.4	01:35 AM - 01:40 AM	46.1	45.1
08:20 PM - 08:25 PM	48.8	48.0	11:00 PM - 11:05 PM	46.4	45.4	01:40 AM - 01:45 AM	45.5	44.7
08:25 PM - 08:30 PM	50.6	48.0	11:05 PM - 11:10 PM	45.8	45.3	01:45 AM - 01:50 AM	58.6	45.0
08:30 PM - 08:35 PM	52.6	47.9	11:10 PM - 11:15 PM	46.0	45.3	01:50 AM - 01:55 AM	72.4	59.7
08:35 PM - 08:40 PM	63.7	48.0	11:15 PM - 11:20 PM	45.9	45.4	01:55 AM - 02:00 AM	72.3	44.7
08:40 PM - 08:45 PM	59.5	47.8	11:20 PM - 11:25 PM	45.8	45.3	02:00 AM - 02:05 AM	44.9	44.4
08:45 PM - 08:50 PM	56.4	47.7	11:25 PM - 11:30 PM	46.2	45.2	02:05 AM - 02:10 AM	44.9	44.4
08:50 PM - 08:55 PM	54.6	46.9	11:30 PM - 11:35 PM	45.6	44.9	02:10 AM - 02:15 AM	44.9	44.4
08:55 PM - 09:00 PM	47.4	46.7	11:35 PM - 11:40 PM	48.4	44.8	02:15 AM - 02:20 AM	45.0	44.4
09:00 PM - 09:05 PM	46.9	46.1	11:40 PM - 11:45 PM	45.4	44.8	02:20 AM - 02:25 AM	46.0	44.4
09:05 PM - 09:10 PM	47.8	46.9	11:45 PM - 11:50 PM	46.0	44.8	02:25 AM - 02:30 AM	44.9	44.4
09:10 PM - 09:15 PM	47.6	47.1	11:50 PM - 11:55 PM	45.4	44.8	02:30 AM - 02:35 AM	45.8	44.6
09:15 PM - 09:20 PM	47.5	46.9	11:55 PM - 12:00 AM	45.9	44.7	02:35 AM - 02:40 AM	45.4	44.9
09:20 PM - 09:25 PM	47.8	47.1	12:00 AM - 12:05 AM	45.2	44.6	02:40 AM - 02:45 AM	45.4	44.8
09:25 PM - 09:30 PM	47.5	47.0	12:05 AM - 12:10 AM	45.3	44.3	02:45 AM - 02:50 AM	45.6	44.9
09:30 PM - 09:35 PM	48.2	47.2	12:10 AM - 12:15 AM	45.0	44.1	02:50 AM - 02:55 AM	46.3	45.7
09:35 PM - 09:40 PM	48.0	47.1	12:15 AM - 12:20 AM	44.1	43.5	02:55 AM - 03:00 AM	46.0	45.3
09:40 PM - 09:45 PM	47.9	47.2	12:20 AM - 12:25 AM	46.6	43.6	03:00 AM - 03:05 AM	46.2	45.3
09:45 PM - 09:50 PM	47.5	46.8	12:25 AM - 12:30 AM	46.6	43.5	03:05 AM - 03:10 AM	46.2	45.3
09:50 PM - 09:55 PM	51.7	46.7	12:30 AM - 12:35 AM	44.6	43.8	03:10 AM - 03:15 AM	46.3	45.7
09:55 PM - 10:00 PM	49.1	47.0	12:35 AM - 12:40 AM	45.2	43.9	03:15 AM - 03:20 AM	46.5	45.6
10:00 PM - 10:05 PM	47.5	46.8	12:40 AM - 12:45 AM	44.9	43.8	03:20 AM - 03:25 AM	46.2	45.6
10:05 PM - 10:10 PM	48.2	47.2	12:45 AM - 12:50 AM	44.9	43.7	03:25 AM - 03:30 AM	46.2	45.6
10:10 PM - 10:15 PM	46.9	45.5	12:50 AM - 12:55 AM	44.7	43.9	03:30 AM - 03:35 AM	46.2	45.4
10:15 PM - 10:20 PM	45.9	45.4	12:55 AM - 01:00 AM	45.0	43.9	03:35 AM - 03:40 AM	46.0	44.9
10:20 PM - 10:25 PM	45.8	45.1	01:00 AM - 01:05 AM	45.9	44.5	03:40 AM - 03:45 AM	46.5	46.0
10:25 PM - 10:30 PM	45.6	45.0	01:05 AM - 01:10 AM	45.4	44.8	03:45 AM - 03:50 AM	46.5	45.8
10:30 PM - 10:35 PM	46.2	45.1	01:10 AM - 01:15 AM	46.1	45.1	03:50 AM - 03:55 AM	46.4	45.8
10:35 PM - 10:40 PM	45.6	45.0	01:15 AM - 01:20 AM	46.2	45.2	03:55 AM - 04:00 AM	46.2	45.0

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Approved by

Sarayuth Jittrantont  
Assistant General Manager



## Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230  
P/O : RJN-BW-012/65  
Project Name : Chonburi Bowin  
Project Location :

Lot ID: 22144022  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report Number : 2534263-1

Page 3 of 3

Sample Number 22144022-17  
Parameter Noise Level (Leq 5 min)  
Location N3 : หมู่บ้านไข่มุก 5  
Measurement Date Dec 21 - Dec 22, 2022  
Measurement by Jaradrawee Sriuksa ทะเบียนเลขที่ ๖-323-๖-9483  
Sound Level meter Serial No. 00472127

Dec 22, 2022 Time	Leq dB(A)	L90 dB(A)	Dec 22, 2022 Time	Leq dB(A)	L90 dB(A)	Dec 22, 2022 Time	Leq dB(A)	L90 dB(A)
04:00 AM - 04:05 AM	46.7	46.0	06:40 AM - 06:45 AM	48.4	44.5	09:20 AM - 09:25 AM	50.2	45.1
04:05 AM - 04:10 AM	46.3	45.7	06:45 AM - 06:50 AM	48.6	44.5	09:25 AM - 09:30 AM	48.9	44.0
04:10 AM - 04:15 AM	51.9	45.7	06:50 AM - 06:55 AM	48.5	45.3	09:30 AM - 09:35 AM	49.6	44.7
04:15 AM - 04:20 AM	56.4	45.9	06:55 AM - 07:00 AM	50.1	44.7	09:35 AM - 09:40 AM	48.6	42.8
04:20 AM - 04:25 AM	44.9	44.0	07:00 AM - 07:05 AM	52.6	45.5	09:40 AM - 09:45 AM	47.8	44.2
04:25 AM - 04:30 AM	46.3	45.6	07:05 AM - 07:10 AM	52.8	45.6	09:45 AM - 09:50 AM	61.4	44.2
04:30 AM - 04:35 AM	47.0	45.7	07:10 AM - 07:15 AM	50.9	44.9	09:50 AM - 09:55 AM	60.8	43.9
04:35 AM - 04:40 AM	47.3	46.0	07:15 AM - 07:20 AM	53.9	45.7	09:55 AM - 10:00 AM	56.2	45.0
04:40 AM - 04:45 AM	47.0	46.1	07:20 AM - 07:25 AM	56.0	46.9	10:00 AM - 10:05 AM	46.7	42.6
04:45 AM - 04:50 AM	46.7	45.9	07:25 AM - 07:30 AM	51.8	44.8	10:05 AM - 10:10 AM	51.8	44.0
04:50 AM - 04:55 AM	47.1	46.1	07:30 AM - 07:35 AM	48.8	44.3	10:10 AM - 10:15 AM	52.7	44.8
04:55 AM - 05:00 AM	47.6	46.7	07:35 AM - 07:40 AM	50.9	44.5	10:15 AM - 10:20 AM	45.9	41.9
05:00 AM - 05:05 AM	46.9	45.6	07:40 AM - 07:45 AM	52.0	46.3	10:20 AM - 10:25 AM	51.2	43.2
05:05 AM - 05:10 AM	46.1	45.3	07:45 AM - 07:50 AM	51.3	44.3	10:25 AM - 10:30 AM	47.5	41.8
05:10 AM - 05:15 AM	46.7	45.6	07:50 AM - 07:55 AM	51.1	45.8	10:30 AM - 10:35 AM	45.7	41.3
05:15 AM - 05:20 AM	46.5	45.7	07:55 AM - 08:00 AM	52.3	43.8	10:35 AM - 10:40 AM	49.0	41.8
05:20 AM - 05:25 AM	47.8	45.9	08:00 AM - 08:05 AM	49.7	42.5	10:40 AM - 10:45 AM	48.5	42.9
05:25 AM - 05:30 AM	47.0	45.7	08:05 AM - 08:10 AM	46.2	42.4	10:45 AM - 10:50 AM	51.2	42.5
05:30 AM - 05:35 AM	51.9	46.4	08:10 AM - 08:15 AM	49.6	43.4	10:50 AM - 10:55 AM	49.7	42.0
05:35 AM - 05:40 AM	57.7	46.2	08:15 AM - 08:20 AM	46.0	43.1	10:55 AM - 11:00 AM	49.9	43.0
05:40 AM - 05:45 AM	55.4	46.5	08:20 AM - 08:25 AM	55.0	44.7	11:00 AM - 11:05 AM	54.1	42.6
05:45 AM - 05:50 AM	52.4	46.0	08:25 AM - 08:30 AM	49.4	43.9	11:05 AM - 11:10 AM	49.7	42.5
05:50 AM - 05:55 AM	51.3	47.4	08:30 AM - 08:35 AM	52.0	44.0	11:10 AM - 11:15 AM	50.2	42.0
05:55 AM - 06:00 AM	52.3	48.4	08:35 AM - 08:40 AM	54.2	43.8	11:15 AM - 11:20 AM	52.2	43.0
06:00 AM - 06:05 AM	50.8	46.3	08:40 AM - 08:45 AM	46.6	43.1	11:20 AM - 11:25 AM	49.4	40.7
06:05 AM - 06:10 AM	53.6	48.0	08:45 AM - 08:50 AM	51.1	45.0	11:25 AM - 11:30 AM	44.3	39.2
06:10 AM - 06:15 AM	53.2	47.6	08:50 AM - 08:55 AM	50.6	43.7	11:30 AM - 11:35 AM	47.7	40.5
06:15 AM - 06:20 AM	49.8	45.2	08:55 AM - 09:00 AM	46.5	44.0	11:35 AM - 11:40 AM	43.8	38.5
06:20 AM - 06:25 AM	54.8	45.4	09:00 AM - 09:05 AM	47.2	42.8	11:40 AM - 11:45 AM	62.5	41.8
06:25 AM - 06:30 AM	48.6	45.1	09:05 AM - 09:10 AM	50.2	44.6	11:45 AM - 11:50 AM	60.2	41.3
06:30 AM - 06:35 AM	46.4	44.6	09:10 AM - 09:15 AM	51.2	43.9	11:50 AM - 11:55 AM	49.1	42.2
06:35 AM - 06:40 AM	50.2	45.3	09:15 AM - 09:20 AM	46.8	43.9	11:55 AM - 12:00 PM	47.7	41.6

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Approved by

Sarayuth Jitranont  
Assistant General Manager



## Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230  
P/O : RJN-BW-012/65  
Project Name : Chonburi Bowin  
Project Location :

Lot ID: 22144022  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report Number : 2534264-1

Page 1 of 3

Sample Number 22144022-18  
Parameter Noise Level (Leq 5 min)  
Location N3 : หมู่บ้านไข่มุก 5  
Measurement Date Dec 22 - Dec 23, 2022  
Measurement by Jaradrawee Sriuksa ทะเบียนเลขที่ ว-323-จ-9483  
Sound Level meter Serial No. 00472127

Dec 22, 2022 Time	Leq dB(A)	L90 dB(A)	Dec 22, 2022 Time	Leq dB(A)	L90 dB(A)	Dec 22, 2022 Time	Leq dB(A)	L90 dB(A)
12:00 PM - 12:05 PM	49.6	44.2	02:40 PM - 02:45 PM	39.4	35.4	05:20 PM - 05:25 PM	51.7	43.1
12:05 PM - 12:10 PM	45.9	41.8	02:45 PM - 02:50 PM	39.7	36.4	05:25 PM - 05:30 PM	56.1	44.7
12:10 PM - 12:15 PM	47.8	40.6	02:50 PM - 02:55 PM	39.8	35.0	05:30 PM - 05:35 PM	54.0	43.8
12:15 PM - 12:20 PM	47.5	41.2	02:55 PM - 03:00 PM	42.2	35.3	05:35 PM - 05:40 PM	56.3	43.4
12:20 PM - 12:25 PM	53.0	41.4	03:00 PM - 03:05 PM	49.2	36.4	05:40 PM - 05:45 PM	48.4	43.2
12:25 PM - 12:30 PM	45.0	40.4	03:05 PM - 03:10 PM	39.8	35.9	05:45 PM - 05:50 PM	49.1	43.2
12:30 PM - 12:35 PM	53.7	40.4	03:10 PM - 03:15 PM	48.0	35.7	05:50 PM - 05:55 PM	55.3	44.2
12:35 PM - 12:40 PM	56.5	40.9	03:15 PM - 03:20 PM	44.5	35.8	05:55 PM - 06:00 PM	57.0	45.1
12:40 PM - 12:45 PM	52.8	41.7	03:20 PM - 03:25 PM	49.7	35.3	06:00 PM - 06:05 PM	51.1	47.5
12:45 PM - 12:50 PM	56.3	39.6	03:25 PM - 03:30 PM	46.4	36.3	06:05 PM - 06:10 PM	50.6	48.7
12:50 PM - 12:55 PM	48.7	39.0	03:30 PM - 03:35 PM	45.9	37.7	06:10 PM - 06:15 PM	50.7	50.0
12:55 PM - 01:00 PM	48.4	41.5	03:35 PM - 03:40 PM	38.2	36.4	06:15 PM - 06:20 PM	52.6	51.5
01:00 PM - 01:05 PM	45.7	39.8	03:40 PM - 03:45 PM	48.5	37.0	06:20 PM - 06:25 PM	53.6	51.5
01:05 PM - 01:10 PM	46.8	38.4	03:45 PM - 03:50 PM	45.1	37.4	06:25 PM - 06:30 PM	52.2	51.5
01:10 PM - 01:15 PM	46.9	39.3	03:50 PM - 03:55 PM	40.7	36.6	06:30 PM - 06:35 PM	54.9	51.1
01:15 PM - 01:20 PM	45.7	39.8	03:55 PM - 04:00 PM	44.1	37.0	06:35 PM - 06:40 PM	52.0	50.9
01:20 PM - 01:25 PM	55.8	42.2	04:00 PM - 04:05 PM	48.5	39.0	06:40 PM - 06:45 PM	51.6	51.0
01:25 PM - 01:30 PM	49.9	40.8	04:05 PM - 04:10 PM	40.5	38.3	06:45 PM - 06:50 PM	51.7	50.5
01:30 PM - 01:35 PM	45.0	40.4	04:10 PM - 04:15 PM	49.3	38.9	06:50 PM - 06:55 PM	51.9	50.3
01:35 PM - 01:40 PM	69.8	41.3	04:15 PM - 04:20 PM	45.1	38.5	06:55 PM - 07:00 PM	50.7	50.1
01:40 PM - 01:45 PM	56.5	38.9	04:20 PM - 04:25 PM	42.8	37.8	07:00 PM - 07:05 PM	52.5	50.3
01:45 PM - 01:50 PM	45.7	36.6	04:25 PM - 04:30 PM	45.3	37.9	07:05 PM - 07:10 PM	51.3	50.3
01:50 PM - 01:55 PM	45.7	37.6	04:30 PM - 04:35 PM	46.1	38.4	07:10 PM - 07:15 PM	55.1	50.6
01:55 PM - 02:00 PM	48.6	38.1	04:35 PM - 04:40 PM	48.6	39.8	07:15 PM - 07:20 PM	52.7	51.0
02:00 PM - 02:05 PM	45.8	36.3	04:40 PM - 04:45 PM	58.3	39.4	07:20 PM - 07:25 PM	52.0	50.6
02:05 PM - 02:10 PM	40.7	35.4	04:45 PM - 04:50 PM	45.7	39.0	07:25 PM - 07:30 PM	50.6	49.8
02:10 PM - 02:15 PM	58.8	35.4	04:50 PM - 04:55 PM	45.6	38.9	07:30 PM - 07:35 PM	52.1	49.8
02:15 PM - 02:20 PM	49.5	36.2	04:55 PM - 05:00 PM	51.7	42.1	07:35 PM - 07:40 PM	51.8	49.8
02:20 PM - 02:25 PM	52.0	35.3	05:00 PM - 05:05 PM	62.6	42.1	07:40 PM - 07:45 PM	51.3	49.7
02:25 PM - 02:30 PM	45.9	36.6	05:05 PM - 05:10 PM	45.8	40.1	07:45 PM - 07:50 PM	51.6	49.9
02:30 PM - 02:35 PM	49.3	37.5	05:10 PM - 05:15 PM	53.5	41.8	07:50 PM - 07:55 PM	52.0	49.3
02:35 PM - 02:40 PM	40.4	36.4	05:15 PM - 05:20 PM	54.2	43.5	07:55 PM - 08:00 PM	51.7	49.1

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Approved by

Sarayuth Jittrantont  
Assistant General Manager



## Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230  
P/O : RJN-BW-012/65  
Project Name : Chonburi Bowin  
Project Location :

Lot ID: 22144022  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report Number : 2534264-1

Page 2 of 3

Sample Number 22144022-18  
Parameter Noise Level (Leq 5 min)  
Location N3 : หมู่บ้านไข่มุก 5  
Measurement Date Dec 22 - Dec 23, 2022  
Measurement by Jaradrawee Sriuksa ทะเบียนเลขที่ ๖-323-๖-9483  
Sound Level meter Serial No. 00472127

Dec 22, 2022	Leq	L90	Dec 22 - Dec 23, 2022	Leq	L90	Dec 23, 2022	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
08:00 PM - 08:05 PM	50.0	49.4	10:40 PM - 10:45 PM	47.5	46.9	01:20 AM - 01:25 AM	45.7	44.6
08:05 PM - 08:10 PM	50.5	49.2	10:45 PM - 10:50 PM	47.2	46.6	01:25 AM - 01:30 AM	46.0	44.4
08:10 PM - 08:15 PM	51.8	49.2	10:50 PM - 10:55 PM	47.0	46.2	01:30 AM - 01:35 AM	47.4	46.6
08:15 PM - 08:20 PM	49.7	48.9	10:55 PM - 11:00 PM	46.6	45.9	01:35 AM - 01:40 AM	46.2	45.1
08:20 PM - 08:25 PM	51.7	49.0	11:00 PM - 11:05 PM	46.7	46.0	01:40 AM - 01:45 AM	45.5	44.9
08:25 PM - 08:30 PM	49.4	48.4	11:05 PM - 11:10 PM	46.8	46.1	01:45 AM - 01:50 AM	45.4	44.6
08:30 PM - 08:35 PM	60.3	48.9	11:10 PM - 11:15 PM	46.5	45.9	01:50 AM - 01:55 AM	45.8	44.8
08:35 PM - 08:40 PM	63.6	49.1	11:15 PM - 11:20 PM	46.4	45.5	01:55 AM - 02:00 AM	71.0	45.2
08:40 PM - 08:45 PM	49.7	48.8	11:20 PM - 11:25 PM	46.7	46.0	02:00 AM - 02:05 AM	64.3	60.3
08:45 PM - 08:50 PM	48.6	47.9	11:25 PM - 11:30 PM	51.7	46.1	02:05 AM - 02:10 AM	70.6	44.7
08:50 PM - 08:55 PM	51.8	48.0	11:30 PM - 11:35 PM	47.3	46.0	02:10 AM - 02:15 AM	45.4	44.6
08:55 PM - 09:00 PM	53.0	48.3	11:35 PM - 11:40 PM	46.3	45.8	02:15 AM - 02:20 AM	45.8	44.9
09:00 PM - 09:05 PM	49.5	48.0	11:40 PM - 11:45 PM	45.9	45.3	02:20 AM - 02:25 AM	45.8	44.7
09:05 PM - 09:10 PM	48.7	47.8	11:45 PM - 11:50 PM	45.8	45.2	02:25 AM - 02:30 AM	45.7	44.9
09:10 PM - 09:15 PM	48.4	48.0	11:50 PM - 11:55 PM	46.0	44.8	02:30 AM - 02:35 AM	45.4	44.7
09:15 PM - 09:20 PM	48.7	48.3	11:55 PM - 12:00 AM	46.4	45.9	02:35 AM - 02:40 AM	54.2	45.1
09:20 PM - 09:25 PM	49.1	48.1	12:00 AM - 12:05 AM	46.2	45.6	02:40 AM - 02:45 AM	55.0	44.5
09:25 PM - 09:30 PM	48.3	47.6	12:05 AM - 12:10 AM	46.4	45.7	02:45 AM - 02:50 AM	47.6	44.9
09:30 PM - 09:35 PM	48.2	47.5	12:10 AM - 12:15 AM	46.5	45.8	02:50 AM - 02:55 AM	46.9	46.1
09:35 PM - 09:40 PM	48.1	47.6	12:15 AM - 12:20 AM	46.7	45.7	02:55 AM - 03:00 AM	46.5	45.8
09:40 PM - 09:45 PM	48.6	47.6	12:20 AM - 12:25 AM	46.7	45.8	03:00 AM - 03:05 AM	46.2	45.5
09:45 PM - 09:50 PM	48.3	47.8	12:25 AM - 12:30 AM	46.5	45.4	03:05 AM - 03:10 AM	48.2	45.6
09:50 PM - 09:55 PM	48.4	47.7	12:30 AM - 12:35 AM	46.4	45.5	03:10 AM - 03:15 AM	47.5	45.8
09:55 PM - 10:00 PM	47.7	47.1	12:35 AM - 12:40 AM	46.1	45.6	03:15 AM - 03:20 AM	47.6	46.7
10:00 PM - 10:05 PM	47.1	46.6	12:40 AM - 12:45 AM	46.7	45.0	03:20 AM - 03:25 AM	48.8	46.9
10:05 PM - 10:10 PM	47.0	46.5	12:45 AM - 12:50 AM	48.8	47.9	03:25 AM - 03:30 AM	47.5	46.6
10:10 PM - 10:15 PM	48.6	46.6	12:50 AM - 12:55 AM	48.0	44.9	03:30 AM - 03:35 AM	47.2	46.5
10:15 PM - 10:20 PM	47.7	46.5	12:55 AM - 01:00 AM	45.9	44.9	03:35 AM - 03:40 AM	47.0	46.3
10:20 PM - 10:25 PM	47.1	46.6	01:00 AM - 01:05 AM	45.9	45.1	03:40 AM - 03:45 AM	46.7	45.3
10:25 PM - 10:30 PM	47.2	46.7	01:05 AM - 01:10 AM	46.0	45.0	03:45 AM - 03:50 AM	46.8	46.1
10:30 PM - 10:35 PM	47.4	46.8	01:10 AM - 01:15 AM	47.0	44.8	03:50 AM - 03:55 AM	46.5	45.8
10:35 PM - 10:40 PM	46.7	45.7	01:15 AM - 01:20 AM	45.8	44.7	03:55 AM - 04:00 AM	46.9	46.1

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Approved by

Sarayuth Jittrantont  
Assistant General Manager



## Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230  
P/O : RJN-BW-012/65  
Project Name : Chonburi Bowin  
Project Location :

Lot ID: 22144022  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report Number : 2534264-1

Page 3 of 3

Sample Number 22144022-18  
Parameter Noise Level (Leq 5 min)  
Location N3 : หมู่บ้านไข่มุก 5  
Measurement Date Dec 22 - Dec 23, 2022  
Measurement by Jaradrawee Sriuksa ทะเบียนเลขที่ ๖-323-๖-9483  
Sound Level meter Serial No. 00472127

Dec 23, 2022 Time	Leq dB(A)	L90 dB(A)	Dec 23, 2022 Time	Leq dB(A)	L90 dB(A)	Dec 23, 2022 Time	Leq dB(A)	L90 dB(A)
04:00 AM - 04:05 AM	51.0	46.8	06:40 AM - 06:45 AM	56.3	46.3	09:20 AM - 09:25 AM	45.4	40.9
04:05 AM - 04:10 AM	46.7	45.5	06:45 AM - 06:50 AM	54.1	45.1	09:25 AM - 09:30 AM	53.0	39.7
04:10 AM - 04:15 AM	46.2	45.5	06:50 AM - 06:55 AM	56.1	44.8	09:30 AM - 09:35 AM	48.3	39.9
04:15 AM - 04:20 AM	49.7	45.6	06:55 AM - 07:00 AM	51.0	45.7	09:35 AM - 09:40 AM	49.2	39.5
04:20 AM - 04:25 AM	47.9	45.6	07:00 AM - 07:05 AM	54.4	45.5	09:40 AM - 09:45 AM	46.9	39.7
04:25 AM - 04:30 AM	47.9	45.7	07:05 AM - 07:10 AM	49.9	44.9	09:45 AM - 09:50 AM	44.1	39.3
04:30 AM - 04:35 AM	48.7	45.7	07:10 AM - 07:15 AM	50.0	44.6	09:50 AM - 09:55 AM	41.3	38.1
04:35 AM - 04:40 AM	55.9	45.7	07:15 AM - 07:20 AM	51.1	44.8	09:55 AM - 10:00 AM	44.6	39.6
04:40 AM - 04:45 AM	54.1	45.3	07:20 AM - 07:25 AM	48.7	44.7	10:00 AM - 10:05 AM	42.8	38.9
04:45 AM - 04:50 AM	49.8	46.3	07:25 AM - 07:30 AM	49.7	43.4	10:05 AM - 10:10 AM	44.8	40.0
04:50 AM - 04:55 AM	46.5	45.6	07:30 AM - 07:35 AM	51.5	42.8	10:10 AM - 10:15 AM	45.8	39.9
04:55 AM - 05:00 AM	47.0	45.5	07:35 AM - 07:40 AM	49.3	42.2	10:15 AM - 10:20 AM	44.0	40.1
05:00 AM - 05:05 AM	46.5	45.5	07:40 AM - 07:45 AM	44.8	42.4	10:20 AM - 10:25 AM	47.4	39.7
05:05 AM - 05:10 AM	54.0	45.5	07:45 AM - 07:50 AM	45.7	42.5	10:25 AM - 10:30 AM	49.5	40.9
05:10 AM - 05:15 AM	51.8	45.1	07:50 AM - 07:55 AM	48.6	42.6	10:30 AM - 10:35 AM	52.4	40.5
05:15 AM - 05:20 AM	55.3	43.9	07:55 AM - 08:00 AM	55.2	41.3	10:35 AM - 10:40 AM	43.9	40.5
05:20 AM - 05:25 AM	54.0	45.3	08:00 AM - 08:05 AM	57.5	41.2	10:40 AM - 10:45 AM	51.6	40.1
05:25 AM - 05:30 AM	47.4	44.5	08:05 AM - 08:10 AM	49.5	41.4	10:45 AM - 10:50 AM	52.8	39.1
05:30 AM - 05:35 AM	46.8	44.5	08:10 AM - 08:15 AM	48.0	40.6	10:50 AM - 10:55 AM	47.3	38.8
05:35 AM - 05:40 AM	46.0	43.8	08:15 AM - 08:20 AM	44.9	39.6	10:55 AM - 11:00 AM	52.5	38.6
05:40 AM - 05:45 AM	45.3	43.7	08:20 AM - 08:25 AM	44.2	39.8	11:00 AM - 11:05 AM	46.2	39.4
05:45 AM - 05:50 AM	57.1	44.7	08:25 AM - 08:30 AM	47.0	41.5	11:05 AM - 11:10 AM	44.5	40.2
05:50 AM - 05:55 AM	52.0	44.8	08:30 AM - 08:35 AM	52.7	41.7	11:10 AM - 11:15 AM	42.1	38.6
05:55 AM - 06:00 AM	53.8	45.1	08:35 AM - 08:40 AM	48.1	40.5	11:15 AM - 11:20 AM	43.2	39.2
06:00 AM - 06:05 AM	52.4	45.0	08:40 AM - 08:45 AM	45.6	39.4	11:20 AM - 11:25 AM	39.5	38.3
06:05 AM - 06:10 AM	49.9	45.2	08:45 AM - 08:50 AM	46.6	39.7	11:25 AM - 11:30 AM	43.2	38.5
06:10 AM - 06:15 AM	56.5	47.4	08:50 AM - 08:55 AM	48.5	39.7	11:30 AM - 11:35 AM	43.6	39.2
06:15 AM - 06:20 AM	53.6	44.6	08:55 AM - 09:00 AM	50.4	40.3	11:35 AM - 11:40 AM	50.8	37.7
06:20 AM - 06:25 AM	51.4	44.5	09:00 AM - 09:05 AM	47.9	40.9	11:40 AM - 11:45 AM	39.7	36.1
06:25 AM - 06:30 AM	53.6	45.5	09:05 AM - 09:10 AM	47.8	40.1	11:45 AM - 11:50 AM	50.5	37.2
06:30 AM - 06:35 AM	52.6	45.9	09:10 AM - 09:15 AM	62.4	39.3	11:50 AM - 11:55 AM	43.1	35.5
06:35 AM - 06:40 AM	55.5	46.1	09:15 AM - 09:20 AM	59.2	40.1	11:55 AM - 12:00 PM	48.2	34.8

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Approved by

Sarayuth Jittrantont  
Assistant General Manager





## Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230  
P/O : RJN-BW-012/65  
Project Name : Chonburi Bowin  
Project Location :

Lot ID: 22144022  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report Number : 2534265-1

Page 1 of 3

Sample Number 22144022-19  
Parameter Noise Level (Leq 5 min)  
Location N3 : หมู่บ้านไข่มุก 5  
Measurement Date Dec 23 - Dec 24, 2022  
Measurement by Jaradrawee Sriuksa ทะเบียนเลขที่ ๖-323-๖-9483  
Sound Level meter Serial No. 00472127

Dec 23, 2022 Time	Leq dB(A)	L90 dB(A)	Dec 23, 2022 Time	Leq dB(A)	L90 dB(A)	Dec 23, 2022 Time	Leq dB(A)	L90 dB(A)
12:00 PM - 12:05 PM	55.6	36.5	02:40 PM - 02:45 PM	48.0	37.5	05:20 PM - 05:25 PM	51.4	42.0
12:05 PM - 12:10 PM	50.0	37.0	02:45 PM - 02:50 PM	67.1	40.8	05:25 PM - 05:30 PM	47.2	42.1
12:10 PM - 12:15 PM	50.6	37.0	02:50 PM - 02:55 PM	65.1	35.6	05:30 PM - 05:35 PM	45.8	41.9
12:15 PM - 12:20 PM	46.4	36.1	02:55 PM - 03:00 PM	41.9	36.1	05:35 PM - 05:40 PM	54.6	41.8
12:20 PM - 12:25 PM	50.5	37.5	03:00 PM - 03:05 PM	47.0	36.7	05:40 PM - 05:45 PM	47.5	43.0
12:25 PM - 12:30 PM	53.3	36.4	03:05 PM - 03:10 PM	50.1	37.2	05:45 PM - 05:50 PM	52.3	43.1
12:30 PM - 12:35 PM	57.9	37.4	03:10 PM - 03:15 PM	51.2	39.0	05:50 PM - 05:55 PM	46.1	42.6
12:35 PM - 12:40 PM	45.7	35.2	03:15 PM - 03:20 PM	42.8	36.9	05:55 PM - 06:00 PM	49.2	43.1
12:40 PM - 12:45 PM	48.7	38.3	03:20 PM - 03:25 PM	43.2	37.4	06:00 PM - 06:05 PM	50.1	44.2
12:45 PM - 12:50 PM	51.3	36.1	03:25 PM - 03:30 PM	46.5	36.5	06:05 PM - 06:10 PM	49.6	46.9
12:50 PM - 12:55 PM	45.7	37.6	03:30 PM - 03:35 PM	43.3	38.0	06:10 PM - 06:15 PM	52.1	50.4
12:55 PM - 01:00 PM	51.0	38.8	03:35 PM - 03:40 PM	41.9	36.4	06:15 PM - 06:20 PM	52.1	51.4
01:00 PM - 01:05 PM	51.7	36.0	03:40 PM - 03:45 PM	49.7	37.8	06:20 PM - 06:25 PM	51.9	51.4
01:05 PM - 01:10 PM	46.0	36.1	03:45 PM - 03:50 PM	46.4	37.8	06:25 PM - 06:30 PM	53.7	50.9
01:10 PM - 01:15 PM	43.9	36.4	03:50 PM - 03:55 PM	46.6	38.3	06:30 PM - 06:35 PM	51.9	51.3
01:15 PM - 01:20 PM	43.3	35.3	03:55 PM - 04:00 PM	47.8	38.7	06:35 PM - 06:40 PM	54.5	50.6
01:20 PM - 01:25 PM	44.2	35.9	04:00 PM - 04:05 PM	44.6	38.5	06:40 PM - 06:45 PM	54.0	50.7
01:25 PM - 01:30 PM	47.0	36.0	04:05 PM - 04:10 PM	48.8	40.1	06:45 PM - 06:50 PM	53.0	50.3
01:30 PM - 01:35 PM	44.5	38.3	04:10 PM - 04:15 PM	52.1	41.5	06:50 PM - 06:55 PM	51.4	50.3
01:35 PM - 01:40 PM	44.2	37.4	04:15 PM - 04:20 PM	51.5	39.0	06:55 PM - 07:00 PM	53.0	49.9
01:40 PM - 01:45 PM	44.9	37.1	04:20 PM - 04:25 PM	57.1	40.9	07:00 PM - 07:05 PM	51.4	49.3
01:45 PM - 01:50 PM	48.1	36.3	04:25 PM - 04:30 PM	48.8	41.5	07:05 PM - 07:10 PM	51.2	49.1
01:50 PM - 01:55 PM	48.5	36.7	04:30 PM - 04:35 PM	50.6	40.9	07:10 PM - 07:15 PM	52.0	49.2
01:55 PM - 02:00 PM	44.6	36.0	04:35 PM - 04:40 PM	49.0	41.6	07:15 PM - 07:20 PM	53.3	49.7
02:00 PM - 02:05 PM	44.2	37.6	04:40 PM - 04:45 PM	52.0	41.0	07:20 PM - 07:25 PM	50.6	49.3
02:05 PM - 02:10 PM	46.7	37.5	04:45 PM - 04:50 PM	50.3	42.8	07:25 PM - 07:30 PM	49.9	48.9
02:10 PM - 02:15 PM	49.4	37.8	04:50 PM - 04:55 PM	54.5	42.1	07:30 PM - 07:35 PM	51.4	48.8
02:15 PM - 02:20 PM	49.4	39.7	04:55 PM - 05:00 PM	52.2	43.7	07:35 PM - 07:40 PM	52.2	48.8
02:20 PM - 02:25 PM	44.9	38.3	05:00 PM - 05:05 PM	49.3	42.0	07:40 PM - 07:45 PM	51.0	48.3
02:25 PM - 02:30 PM	43.1	37.5	05:05 PM - 05:10 PM	54.8	42.2	07:45 PM - 07:50 PM	49.1	47.4
02:30 PM - 02:35 PM	46.6	36.2	05:10 PM - 05:15 PM	50.2	41.2	07:50 PM - 07:55 PM	48.1	47.2
02:35 PM - 02:40 PM	50.8	37.1	05:15 PM - 05:20 PM	50.9	42.4	07:55 PM - 08:00 PM	47.5	46.9

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Approved by

Sarayuth Jittrantont  
Assistant General Manager



## Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230  
P/O : RJN-BW-012/65  
Project Name : Chonburi Bowin  
Project Location :

Lot ID: 22144022  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report Number : 2534265-1

Page 2 of 3

Sample Number 22144022-19  
Parameter Noise Level (Leq 5 min)  
Location N3 : หมู่บ้านไข่มุก 5  
Measurement Date Dec 23 - Dec 24, 2022  
Measurement by Jaradrawee Sriruksa ทะเบียนเลขที่ ๖-323-๖-9483  
Sound Level meter Serial No. 00472127

Dec 23, 2022	Leq	L90	Dec 23 - Dec 24, 2022	Leq	L90	Dec 24, 2022	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
08:00 PM - 08:05 PM	48.2	47.2	10:40 PM - 10:45 PM	45.9	45.2	01:20 AM - 01:25 AM	46.1	45.2
08:05 PM - 08:10 PM	48.4	47.2	10:45 PM - 10:50 PM	45.9	45.3	01:25 AM - 01:30 AM	71.9	46.4
08:10 PM - 08:15 PM	48.0	47.2	10:50 PM - 10:55 PM	47.4	45.0	01:30 AM - 01:35 AM	62.5	46.3
08:15 PM - 08:20 PM	47.9	47.0	10:55 PM - 11:00 PM	45.3	44.8	01:35 AM - 01:40 AM	46.3	45.6
08:20 PM - 08:25 PM	47.9	47.3	11:00 PM - 11:05 PM	46.0	45.2	01:40 AM - 01:45 AM	45.4	44.6
08:25 PM - 08:30 PM	48.4	47.1	11:05 PM - 11:10 PM	46.1	45.3	01:45 AM - 01:50 AM	45.4	44.6
08:30 PM - 08:35 PM	47.8	47.1	11:10 PM - 11:15 PM	45.8	45.1	01:50 AM - 01:55 AM	45.2	44.3
08:35 PM - 08:40 PM	48.2	47.3	11:15 PM - 11:20 PM	46.3	45.3	01:55 AM - 02:00 AM	46.3	44.8
08:40 PM - 08:45 PM	48.6	47.2	11:20 PM - 11:25 PM	47.2	45.3	02:00 AM - 02:05 AM	46.1	45.2
08:45 PM - 08:50 PM	49.1	46.9	11:25 PM - 11:30 PM	45.9	45.3	02:05 AM - 02:10 AM	45.7	45.0
08:50 PM - 08:55 PM	49.7	48.0	11:30 PM - 11:35 PM	46.4	45.8	02:10 AM - 02:15 AM	45.7	45.0
08:55 PM - 09:00 PM	48.1	47.4	11:35 PM - 11:40 PM	47.4	45.6	02:15 AM - 02:20 AM	45.9	45.1
09:00 PM - 09:05 PM	48.0	47.1	11:40 PM - 11:45 PM	47.4	45.1	02:20 AM - 02:25 AM	46.3	45.5
09:05 PM - 09:10 PM	49.7	47.4	11:45 PM - 11:50 PM	46.5	45.2	02:25 AM - 02:30 AM	46.0	45.2
09:10 PM - 09:15 PM	50.3	48.2	11:50 PM - 11:55 PM	45.9	45.2	02:30 AM - 02:35 AM	46.2	45.3
09:15 PM - 09:20 PM	48.4	47.0	11:55 PM - 12:00 AM	46.5	45.3	02:35 AM - 02:40 AM	46.2	45.4
09:20 PM - 09:25 PM	47.6	46.1	12:00 AM - 12:05 AM	45.6	44.9	02:40 AM - 02:45 AM	46.3	45.1
09:25 PM - 09:30 PM	68.0	47.6	12:05 AM - 12:10 AM	45.8	45.2	02:45 AM - 02:50 AM	46.1	45.3
09:30 PM - 09:35 PM	67.4	47.7	12:10 AM - 12:15 AM	45.9	45.3	02:50 AM - 02:55 AM	46.4	45.3
09:35 PM - 09:40 PM	53.0	47.4	12:15 AM - 12:20 AM	45.7	45.3	02:55 AM - 03:00 AM	46.0	45.2
09:40 PM - 09:45 PM	48.0	47.1	12:20 AM - 12:25 AM	53.7	45.1	03:00 AM - 03:05 AM	45.9	43.9
09:45 PM - 09:50 PM	47.7	46.8	12:25 AM - 12:30 AM	45.4	44.9	03:05 AM - 03:10 AM	46.2	45.5
09:50 PM - 09:55 PM	48.3	47.2	12:30 AM - 12:35 AM	45.2	44.8	03:10 AM - 03:15 AM	46.2	45.5
09:55 PM - 10:00 PM	48.0	46.9	12:35 AM - 12:40 AM	46.3	45.3	03:15 AM - 03:20 AM	46.1	45.4
10:00 PM - 10:05 PM	47.5	46.4	12:40 AM - 12:45 AM	46.2	45.5	03:20 AM - 03:25 AM	46.1	45.4
10:05 PM - 10:10 PM	47.5	46.5	12:45 AM - 12:50 AM	46.1	45.2	03:25 AM - 03:30 AM	46.3	45.6
10:10 PM - 10:15 PM	47.1	46.5	12:50 AM - 12:55 AM	46.3	45.6	03:30 AM - 03:35 AM	46.4	45.7
10:15 PM - 10:20 PM	46.9	45.8	12:55 AM - 01:00 AM	45.9	45.3	03:35 AM - 03:40 AM	46.4	45.7
10:20 PM - 10:25 PM	55.6	45.8	01:00 AM - 01:05 AM	46.3	45.6	03:40 AM - 03:45 AM	46.5	44.1
10:25 PM - 10:30 PM	62.5	46.1	01:05 AM - 01:10 AM	48.0	45.7	03:45 AM - 03:50 AM	45.6	43.9
10:30 PM - 10:35 PM	46.2	45.5	01:10 AM - 01:15 AM	46.1	45.4	03:50 AM - 03:55 AM	45.1	44.0
10:35 PM - 10:40 PM	46.3	45.2	01:15 AM - 01:20 AM	46.5	45.7	03:55 AM - 04:00 AM	45.4	44.4

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Approved by

Sarayuth Jittrantont  
Assistant General Manager



## Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230  
P/O : RJN-BW-012/65  
Project Name : Chonburi Bowin  
Project Location :

Lot ID: 22144022  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report Number : 2534265-1

Page 3 of 3

Sample Number 22144022-19  
Parameter Noise Level (Leq 5 min)  
Location N3 : หมู่บ้านไข่มุก 5  
Measurement Date Dec 23 - Dec 24, 2022  
Measurement by Jaradrawee Sriuksa ทะเบียนเลขที่ ๖-323-๖-9483  
Sound Level meter Serial No. 00472127

Dec 24, 2022 Time	Leq dB(A)	L90 dB(A)	Dec 24, 2022 Time	Leq dB(A)	L90 dB(A)	Dec 24, 2022 Time	Leq dB(A)	L90 dB(A)
04:00 AM - 04:05 AM	45.9	44.8	06:40 AM - 06:45 AM	54.8	43.1	09:20 AM - 09:25 AM	53.6	44.7
04:05 AM - 04:10 AM	50.2	43.7	06:45 AM - 06:50 AM	54.4	42.6	09:25 AM - 09:30 AM	48.6	41.4
04:10 AM - 04:15 AM	50.6	44.0	06:50 AM - 06:55 AM	59.0	44.0	09:30 AM - 09:35 AM	46.1	40.2
04:15 AM - 04:20 AM	45.0	44.4	06:55 AM - 07:00 AM	53.9	51.0	09:35 AM - 09:40 AM	49.8	43.6
04:20 AM - 04:25 AM	44.9	44.2	07:00 AM - 07:05 AM	47.9	43.0	09:40 AM - 09:45 AM	49.8	42.2
04:25 AM - 04:30 AM	45.0	44.3	07:05 AM - 07:10 AM	50.2	44.2	09:45 AM - 09:50 AM	50.3	42.3
04:30 AM - 04:35 AM	45.2	44.5	07:10 AM - 07:15 AM	48.0	44.5	09:50 AM - 09:55 AM	49.3	43.6
04:35 AM - 04:40 AM	45.2	44.4	07:15 AM - 07:20 AM	52.8	45.8	09:55 AM - 10:00 AM	47.1	43.2
04:40 AM - 04:45 AM	45.5	44.7	07:20 AM - 07:25 AM	46.6	43.0	10:00 AM - 10:05 AM	46.9	41.5
04:45 AM - 04:50 AM	46.0	44.8	07:25 AM - 07:30 AM	50.9	43.7	10:05 AM - 10:10 AM	50.5	45.2
04:50 AM - 04:55 AM	45.3	44.5	07:30 AM - 07:35 AM	52.6	42.8	10:10 AM - 10:15 AM	49.6	43.0
04:55 AM - 05:00 AM	45.8	44.8	07:35 AM - 07:40 AM	52.2	42.6	10:15 AM - 10:20 AM	54.1	44.0
05:00 AM - 05:05 AM	45.7	44.2	07:40 AM - 07:45 AM	53.2	42.3	10:20 AM - 10:25 AM	50.2	42.8
05:05 AM - 05:10 AM	46.3	45.5	07:45 AM - 07:50 AM	56.8	43.6	10:25 AM - 10:30 AM	49.7	43.6
05:10 AM - 05:15 AM	46.3	45.4	07:50 AM - 07:55 AM	54.3	44.6	10:30 AM - 10:35 AM	47.4	43.7
05:15 AM - 05:20 AM	46.3	45.1	07:55 AM - 08:00 AM	49.4	43.7	10:35 AM - 10:40 AM	48.2	43.7
05:20 AM - 05:25 AM	46.0	45.1	08:00 AM - 08:05 AM	52.9	44.6	10:40 AM - 10:45 AM	47.9	42.8
05:25 AM - 05:30 AM	45.4	43.8	08:05 AM - 08:10 AM	50.5	43.0	10:45 AM - 10:50 AM	45.4	42.0
05:30 AM - 05:35 AM	44.4	43.5	08:10 AM - 08:15 AM	46.6	43.1	10:50 AM - 10:55 AM	52.3	43.2
05:35 AM - 05:40 AM	51.7	43.6	08:15 AM - 08:20 AM	47.3	43.3	10:55 AM - 11:00 AM	48.9	42.0
05:40 AM - 05:45 AM	59.1	44.3	08:20 AM - 08:25 AM	50.4	42.7	11:00 AM - 11:05 AM	51.3	42.7
05:45 AM - 05:50 AM	58.2	43.8	08:25 AM - 08:30 AM	46.7	42.8	11:05 AM - 11:10 AM	46.6	43.3
05:50 AM - 05:55 AM	53.0	43.4	08:30 AM - 08:35 AM	47.6	42.9	11:10 AM - 11:15 AM	46.1	41.7
05:55 AM - 06:00 AM	53.4	44.0	08:35 AM - 08:40 AM	47.1	42.3	11:15 AM - 11:20 AM	50.4	42.7
06:00 AM - 06:05 AM	51.6	43.4	08:40 AM - 08:45 AM	49.4	41.3	11:20 AM - 11:25 AM	52.2	44.1
06:05 AM - 06:10 AM	55.7	43.4	08:45 AM - 08:50 AM	54.2	42.4	11:25 AM - 11:30 AM	47.5	43.5
06:10 AM - 06:15 AM	68.2	43.4	08:50 AM - 08:55 AM	49.6	40.4	11:30 AM - 11:35 AM	52.6	42.3
06:15 AM - 06:20 AM	60.2	42.8	08:55 AM - 09:00 AM	51.8	41.0	11:35 AM - 11:40 AM	52.5	42.9
06:20 AM - 06:25 AM	61.4	42.7	09:00 AM - 09:05 AM	49.6	41.2	11:40 AM - 11:45 AM	53.6	41.4
06:25 AM - 06:30 AM	51.1	42.3	09:05 AM - 09:10 AM	52.5	43.0	11:45 AM - 11:50 AM	51.3	40.0
06:30 AM - 06:35 AM	55.0	43.4	09:10 AM - 09:15 AM	61.1	44.7	11:50 AM - 11:55 AM	49.9	45.9
06:35 AM - 06:40 AM	49.8	42.2	09:15 AM - 09:20 AM	54.6	45.2	11:55 AM - 12:00 PM	51.9	45.0

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Approved by

Sarayuth Jittrantont  
Assistant General Manager



## Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230  
P/O : RJN-BW-012/65  
Project Name : Chonburi Bowin  
Project Location :

Lot ID: 22144022  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report Number : 2534266-1

Page 1 of 3

Sample Number 22144022-20  
Parameter Noise Level (Leq 5 min)  
Location N3 : หมู่บ้านไข่มุก 5  
Measurement Date Dec 24 - Dec 25, 2022  
Measurement by Jaradrawee Sriuksa ทะเบียนเลขที่ ว-323-จ-9483  
Sound Level meter Serial No. 00472127

Dec 24, 2022 Time	Leq dB(A)	L90 dB(A)	Dec 24, 2022 Time	Leq dB(A)	L90 dB(A)	Dec 24, 2022 Time	Leq dB(A)	L90 dB(A)
12:00 PM - 12:05 PM	48.5	41.7	02:40 PM - 02:45 PM	43.6	39.6	05:20 PM - 05:25 PM	50.9	39.7
12:05 PM - 12:10 PM	46.9	42.6	02:45 PM - 02:50 PM	48.3	39.5	05:25 PM - 05:30 PM	61.7	40.8
12:10 PM - 12:15 PM	43.6	40.6	02:50 PM - 02:55 PM	42.9	37.5	05:30 PM - 05:35 PM	59.0	40.3
12:15 PM - 12:20 PM	45.9	42.4	02:55 PM - 03:00 PM	45.5	40.0	05:35 PM - 05:40 PM	50.1	41.7
12:20 PM - 12:25 PM	46.6	43.5	03:00 PM - 03:05 PM	45.6	42.2	05:40 PM - 05:45 PM	54.8	41.8
12:25 PM - 12:30 PM	44.7	41.5	03:05 PM - 03:10 PM	44.8	38.3	05:45 PM - 05:50 PM	55.4	41.9
12:30 PM - 12:35 PM	44.5	39.3	03:10 PM - 03:15 PM	52.0	39.2	05:50 PM - 05:55 PM	49.7	43.7
12:35 PM - 12:40 PM	44.6	41.4	03:15 PM - 03:20 PM	44.0	38.9	05:55 PM - 06:00 PM	53.9	43.6
12:40 PM - 12:45 PM	48.1	40.7	03:20 PM - 03:25 PM	56.0	42.2	06:00 PM - 06:05 PM	51.0	42.0
12:45 PM - 12:50 PM	45.8	41.0	03:25 PM - 03:30 PM	50.7	41.0	06:05 PM - 06:10 PM	49.4	42.6
12:50 PM - 12:55 PM	43.9	40.2	03:30 PM - 03:35 PM	48.6	39.0	06:10 PM - 06:15 PM	50.3	44.4
12:55 PM - 01:00 PM	45.8	40.0	03:35 PM - 03:40 PM	48.8	41.1	06:15 PM - 06:20 PM	51.2	45.8
01:00 PM - 01:05 PM	46.2	41.0	03:40 PM - 03:45 PM	58.2	40.5	06:20 PM - 06:25 PM	49.5	47.8
01:05 PM - 01:10 PM	49.3	41.8	03:45 PM - 03:50 PM	49.7	42.7	06:25 PM - 06:30 PM	52.1	49.3
01:10 PM - 01:15 PM	49.1	40.5	03:50 PM - 03:55 PM	48.3	39.9	06:30 PM - 06:35 PM	51.9	49.3
01:15 PM - 01:20 PM	54.6	41.0	03:55 PM - 04:00 PM	47.0	41.7	06:35 PM - 06:40 PM	51.9	49.6
01:20 PM - 01:25 PM	47.8	42.2	04:00 PM - 04:05 PM	46.6	40.7	06:40 PM - 06:45 PM	51.5	49.1
01:25 PM - 01:30 PM	51.8	38.9	04:05 PM - 04:10 PM	45.2	39.7	06:45 PM - 06:50 PM	49.0	48.5
01:30 PM - 01:35 PM	49.9	37.6	04:10 PM - 04:15 PM	46.9	39.1	06:50 PM - 06:55 PM	49.5	48.3
01:35 PM - 01:40 PM	49.2	39.7	04:15 PM - 04:20 PM	51.6	40.7	06:55 PM - 07:00 PM	51.0	48.6
01:40 PM - 01:45 PM	44.7	38.3	04:20 PM - 04:25 PM	51.8	43.3	07:00 PM - 07:05 PM	48.8	47.7
01:45 PM - 01:50 PM	49.8	38.9	04:25 PM - 04:30 PM	48.4	42.0	07:05 PM - 07:10 PM	49.2	47.8
01:50 PM - 01:55 PM	46.8	38.5	04:30 PM - 04:35 PM	48.0	41.2	07:10 PM - 07:15 PM	51.3	47.5
01:55 PM - 02:00 PM	50.5	38.1	04:35 PM - 04:40 PM	49.4	42.3	07:15 PM - 07:20 PM	51.7	47.0
02:00 PM - 02:05 PM	46.5	40.4	04:40 PM - 04:45 PM	51.7	41.9	07:20 PM - 07:25 PM	49.4	47.1
02:05 PM - 02:10 PM	50.4	40.2	04:45 PM - 04:50 PM	47.4	41.7	07:25 PM - 07:30 PM	47.4	46.4
02:10 PM - 02:15 PM	52.2	38.7	04:50 PM - 04:55 PM	49.1	41.7	07:30 PM - 07:35 PM	47.6	46.3
02:15 PM - 02:20 PM	47.2	39.0	04:55 PM - 05:00 PM	49.5	41.8	07:35 PM - 07:40 PM	47.2	46.5
02:20 PM - 02:25 PM	49.2	38.3	05:00 PM - 05:05 PM	52.6	41.4	07:40 PM - 07:45 PM	47.9	46.3
02:25 PM - 02:30 PM	44.1	38.8	05:05 PM - 05:10 PM	48.3	40.0	07:45 PM - 07:50 PM	47.7	45.9
02:30 PM - 02:35 PM	49.0	39.3	05:10 PM - 05:15 PM	46.5	41.6	07:50 PM - 07:55 PM	48.9	46.3
02:35 PM - 02:40 PM	44.7	40.3	05:15 PM - 05:20 PM	57.4	41.6	07:55 PM - 08:00 PM	48.3	46.9

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Approved by

Sarayuth Jittrantont  
Assistant General Manager



## Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.

168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

P/O : RJN-BW-012/65

Project Name : Chonburi Bowin

Project Location :

Lot ID: 22144022

Date Received : Dec 28, 2022

Date Reported : Jan 04, 2023

Report Number : 2534266-1

Page 2 of 3

Sample Number 22144022-20  
Parameter Noise Level (Leq 5 min)  
Location N3 : หมู่บ้านไข่มุก 5  
Measurement Date Dec 24 - Dec 25, 2022  
Measurement by Jaradrawee Sriuksa ทะเบียนเลขที่ ๖-323-๖-9483  
Sound Level meter Serial No. 00472127

Dec 24, 2022	Leq	L90	Dec 24 - Dec 25, 2022	Leq	L90	Dec 25, 2022	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
08:00 PM - 08:05 PM	49.5	46.7	10:40 PM - 10:45 PM	46.0	45.1	01:20 AM - 01:25 AM	44.4	42.4
08:05 PM - 08:10 PM	48.0	46.0	10:45 PM - 10:50 PM	46.3	45.3	01:25 AM - 01:30 AM	44.9	43.9
08:10 PM - 08:15 PM	46.7	45.9	10:50 PM - 10:55 PM	45.8	43.8	01:30 AM - 01:35 AM	44.3	42.7
08:15 PM - 08:20 PM	47.3	46.1	10:55 PM - 11:00 PM	46.1	45.1	01:35 AM - 01:40 AM	60.9	44.0
08:20 PM - 08:25 PM	46.9	45.9	11:00 PM - 11:05 PM	45.5	44.7	01:40 AM - 01:45 AM	44.9	44.0
08:25 PM - 08:30 PM	47.4	46.1	11:05 PM - 11:10 PM	46.9	43.8	01:45 AM - 01:50 AM	45.9	44.0
08:30 PM - 08:35 PM	47.5	46.7	11:10 PM - 11:15 PM	45.4	44.0	01:50 AM - 01:55 AM	45.2	44.1
08:35 PM - 08:40 PM	47.5	46.7	11:15 PM - 11:20 PM	45.7	44.9	01:55 AM - 02:00 AM	72.0	44.3
08:40 PM - 08:45 PM	46.9	46.3	11:20 PM - 11:25 PM	45.7	45.0	02:00 AM - 02:05 AM	66.1	60.4
08:45 PM - 08:50 PM	47.4	46.3	11:25 PM - 11:30 PM	45.7	45.1	02:05 AM - 02:10 AM	71.3	59.6
08:50 PM - 08:55 PM	67.5	46.5	11:30 PM - 11:35 PM	45.9	45.1	02:10 AM - 02:15 AM	44.9	44.1
08:55 PM - 09:00 PM	65.2	46.1	11:35 PM - 11:40 PM	46.2	44.9	02:15 AM - 02:20 AM	44.8	44.0
09:00 PM - 09:05 PM	65.8	46.4	11:40 PM - 11:45 PM	45.8	44.8	02:20 AM - 02:25 AM	45.1	44.2
09:05 PM - 09:10 PM	46.8	45.9	11:45 PM - 11:50 PM	46.0	44.6	02:25 AM - 02:30 AM	45.2	44.4
09:10 PM - 09:15 PM	47.7	46.0	11:50 PM - 11:55 PM	45.6	44.7	02:30 AM - 02:35 AM	45.4	44.3
09:15 PM - 09:20 PM	47.0	46.1	11:55 PM - 12:00 AM	46.2	45.2	02:35 AM - 02:40 AM	45.5	44.7
09:20 PM - 09:25 PM	50.0	46.4	12:00 AM - 12:05 AM	46.9	45.0	02:40 AM - 02:45 AM	45.5	44.7
09:25 PM - 09:30 PM	52.4	46.5	12:05 AM - 12:10 AM	45.7	44.9	02:45 AM - 02:50 AM	45.9	43.1
09:30 PM - 09:35 PM	54.0	46.7	12:10 AM - 12:15 AM	46.8	45.2	02:50 AM - 02:55 AM	46.5	45.2
09:35 PM - 09:40 PM	47.0	45.8	12:15 AM - 12:20 AM	50.4	45.3	02:55 AM - 03:00 AM	52.4	45.2
09:40 PM - 09:45 PM	47.2	45.9	12:20 AM - 12:25 AM	49.2	43.2	03:00 AM - 03:05 AM	52.1	45.2
09:45 PM - 09:50 PM	46.6	45.8	12:25 AM - 12:30 AM	47.4	45.1	03:05 AM - 03:10 AM	45.6	44.8
09:50 PM - 09:55 PM	45.7	44.7	12:30 AM - 12:35 AM	45.8	44.7	03:10 AM - 03:15 AM	45.5	44.6
09:55 PM - 10:00 PM	46.1	45.3	12:35 AM - 12:40 AM	45.6	44.4	03:15 AM - 03:20 AM	46.1	44.7
10:00 PM - 10:05 PM	46.5	45.5	12:40 AM - 12:45 AM	45.7	44.5	03:20 AM - 03:25 AM	46.3	44.7
10:05 PM - 10:10 PM	46.5	45.4	12:45 AM - 12:50 AM	48.5	44.3	03:25 AM - 03:30 AM	45.8	45.1
10:10 PM - 10:15 PM	46.2	45.5	12:50 AM - 12:55 AM	54.9	44.9	03:30 AM - 03:35 AM	45.7	45.0
10:15 PM - 10:20 PM	47.0	45.4	12:55 AM - 01:00 AM	46.0	44.7	03:35 AM - 03:40 AM	45.7	44.8
10:20 PM - 10:25 PM	57.1	45.0	01:00 AM - 01:05 AM	45.2	44.4	03:40 AM - 03:45 AM	45.5	44.6
10:25 PM - 10:30 PM	46.1	45.1	01:05 AM - 01:10 AM	45.3	44.4	03:45 AM - 03:50 AM	46.0	45.0
10:30 PM - 10:35 PM	45.8	45.2	01:10 AM - 01:15 AM	45.1	44.2	03:50 AM - 03:55 AM	45.9	45.2
10:35 PM - 10:40 PM	45.6	44.9	01:15 AM - 01:20 AM	44.7	42.5	03:55 AM - 04:00 AM	45.8	45.0

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Approved by

Sarayuth Jitranont  
Assistant General Manager



## Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230  
P/O : RJN-BW-012/65  
Project Name : Chonburi Bowin  
Project Location :

Lot ID: 22144022  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report Number : 2534266-1

Page 3 of 3

Sample Number 22144022-20  
Parameter Noise Level (Leq 5 min)  
Location N3 : หมู่บ้านไข่มุก 5  
Measurement Date Dec 24 - Dec 25, 2022  
Measurement by Jaradrawee Sriuksa ทะเบียนเลขที่ ๖-323-๖-9483  
Sound Level meter Serial No. 00472127

Dec 25, 2022 Time	Leq dB(A)	L90 dB(A)	Dec 25, 2022 Time	Leq dB(A)	L90 dB(A)	Dec 25, 2022 Time	Leq dB(A)	L90 dB(A)
04:00 AM - 04:05 AM	45.8	44.8	06:40 AM - 06:45 AM	49.2	42.0	09:20 AM - 09:25 AM	50.2	45.4
04:05 AM - 04:10 AM	45.4	43.8	06:45 AM - 06:50 AM	46.3	42.6	09:25 AM - 09:30 AM	51.3	43.4
04:10 AM - 04:15 AM	44.4	42.8	06:50 AM - 06:55 AM	46.6	42.0	09:30 AM - 09:35 AM	47.4	43.9
04:15 AM - 04:20 AM	45.1	42.9	06:55 AM - 07:00 AM	48.0	42.3	09:35 AM - 09:40 AM	50.0	43.3
04:20 AM - 04:25 AM	51.5	44.5	07:00 AM - 07:05 AM	51.3	43.1	09:40 AM - 09:45 AM	47.7	42.3
04:25 AM - 04:30 AM	45.7	44.6	07:05 AM - 07:10 AM	51.4	43.3	09:45 AM - 09:50 AM	46.8	42.3
04:30 AM - 04:35 AM	46.0	44.9	07:10 AM - 07:15 AM	50.5	43.1	09:50 AM - 09:55 AM	46.2	41.3
04:35 AM - 04:40 AM	45.5	44.5	07:15 AM - 07:20 AM	47.8	43.2	09:55 AM - 10:00 AM	54.6	43.5
04:40 AM - 04:45 AM	54.3	44.8	07:20 AM - 07:25 AM	48.6	42.6	10:00 AM - 10:05 AM	50.5	40.9
04:45 AM - 04:50 AM	52.8	44.8	07:25 AM - 07:30 AM	54.9	42.8	10:05 AM - 10:10 AM	46.6	41.1
04:50 AM - 04:55 AM	45.3	44.5	07:30 AM - 07:35 AM	51.0	41.9	10:10 AM - 10:15 AM	46.3	41.3
04:55 AM - 05:00 AM	45.7	44.4	07:35 AM - 07:40 AM	53.7	42.2	10:15 AM - 10:20 AM	50.8	41.2
05:00 AM - 05:05 AM	46.1	44.7	07:40 AM - 07:45 AM	51.9	43.1	10:20 AM - 10:25 AM	48.8	42.7
05:05 AM - 05:10 AM	46.1	44.8	07:45 AM - 07:50 AM	53.9	43.4	10:25 AM - 10:30 AM	50.1	41.9
05:10 AM - 05:15 AM	46.0	44.7	07:50 AM - 07:55 AM	47.3	42.2	10:30 AM - 10:35 AM	46.6	41.4
05:15 AM - 05:20 AM	54.7	44.5	07:55 AM - 08:00 AM	47.5	43.2	10:35 AM - 10:40 AM	48.2	41.1
05:20 AM - 05:25 AM	51.4	45.1	08:00 AM - 08:05 AM	63.3	43.4	10:40 AM - 10:45 AM	45.7	40.1
05:25 AM - 05:30 AM	46.3	44.6	08:05 AM - 08:10 AM	49.0	42.7	10:45 AM - 10:50 AM	47.2	40.1
05:30 AM - 05:35 AM	45.9	45.1	08:10 AM - 08:15 AM	52.5	47.2	10:50 AM - 10:55 AM	50.2	40.6
05:35 AM - 05:40 AM	52.5	44.0	08:15 AM - 08:20 AM	57.3	47.9	10:55 AM - 11:00 AM	52.2	40.9
05:40 AM - 05:45 AM	51.0	43.9	08:20 AM - 08:25 AM	53.0	42.8	11:00 AM - 11:05 AM	50.2	41.4
05:45 AM - 05:50 AM	55.3	44.1	08:25 AM - 08:30 AM	49.3	42.7	11:05 AM - 11:10 AM	47.4	40.7
05:50 AM - 05:55 AM	53.4	42.9	08:30 AM - 08:35 AM	49.4	43.3	11:10 AM - 11:15 AM	49.7	41.8
05:55 AM - 06:00 AM	54.8	42.7	08:35 AM - 08:40 AM	49.8	43.7	11:15 AM - 11:20 AM	48.1	39.4
06:00 AM - 06:05 AM	55.9	42.4	08:40 AM - 08:45 AM	49.0	44.5	11:20 AM - 11:25 AM	47.4	41.6
06:05 AM - 06:10 AM	55.5	42.1	08:45 AM - 08:50 AM	55.0	45.2	11:25 AM - 11:30 AM	45.7	40.7
06:10 AM - 06:15 AM	55.0	43.5	08:50 AM - 08:55 AM	51.7	43.7	11:30 AM - 11:35 AM	47.8	40.7
06:15 AM - 06:20 AM	50.9	42.6	08:55 AM - 09:00 AM	49.9	42.5	11:35 AM - 11:40 AM	45.0	40.8
06:20 AM - 06:25 AM	56.6	42.6	09:00 AM - 09:05 AM	51.1	43.1	11:40 AM - 11:45 AM	42.9	40.1
06:25 AM - 06:30 AM	61.4	42.3	09:05 AM - 09:10 AM	49.4	42.7	11:45 AM - 11:50 AM	53.2	40.1
06:30 AM - 06:35 AM	49.2	42.2	09:10 AM - 09:15 AM	50.8	44.0	11:50 AM - 11:55 AM	52.3	41.4
06:35 AM - 06:40 AM	56.6	42.9	09:15 AM - 09:20 AM	50.4	44.2	11:55 AM - 12:00 PM	43.9	38.6

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Approved by

Sarayuth Jitranont  
Assistant General Manager



## Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230  
P/O : RJN-BW-012/65  
Project Name : Chonburi Bowin  
Project Location :

Lot ID: 22144022  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report Number : 2534267-1

Page 1 of 3

Sample Number 22144022-21  
Parameter Noise Level (Leq 5 min)  
Location N3 : หมู่บ้านไข่มุก 5  
Measurement Date Dec 25 - Dec 26, 2022  
Measurement by Jaradrawee Sriuksa ทะเบียนเลขที่ ว-323-จ-9483  
Sound Level meter Serial No. 00472127

Dec 25, 2022 Time	Leq dB(A)	L90 dB(A)	Dec 25, 2022 Time	Leq dB(A)	L90 dB(A)	Dec 25, 2022 Time	Leq dB(A)	L90 dB(A)
12:00 PM - 12:05 PM	46.0	38.3	02:40 PM - 02:45 PM	48.1	39.8	05:20 PM - 05:25 PM	52.7	41.7
12:05 PM - 12:10 PM	52.3	44.3	02:45 PM - 02:50 PM	52.1	41.9	05:25 PM - 05:30 PM	53.5	42.3
12:10 PM - 12:15 PM	51.4	39.7	02:50 PM - 02:55 PM	50.7	40.6	05:30 PM - 05:35 PM	49.8	42.2
12:15 PM - 12:20 PM	46.9	39.2	02:55 PM - 03:00 PM	44.1	36.7	05:35 PM - 05:40 PM	50.3	42.8
12:20 PM - 12:25 PM	44.2	38.8	03:00 PM - 03:05 PM	42.9	36.4	05:40 PM - 05:45 PM	52.0	42.3
12:25 PM - 12:30 PM	44.3	37.7	03:05 PM - 03:10 PM	47.1	39.7	05:45 PM - 05:50 PM	52.4	43.5
12:30 PM - 12:35 PM	44.1	39.1	03:10 PM - 03:15 PM	46.5	41.0	05:50 PM - 05:55 PM	54.5	45.1
12:35 PM - 12:40 PM	41.3	38.6	03:15 PM - 03:20 PM	45.7	38.8	05:55 PM - 06:00 PM	52.4	44.5
12:40 PM - 12:45 PM	43.5	39.8	03:20 PM - 03:25 PM	43.9	37.1	06:00 PM - 06:05 PM	55.5	44.7
12:45 PM - 12:50 PM	46.8	39.7	03:25 PM - 03:30 PM	44.1	38.0	06:05 PM - 06:10 PM	50.3	45.3
12:50 PM - 12:55 PM	43.5	38.3	03:30 PM - 03:35 PM	45.3	39.4	06:10 PM - 06:15 PM	49.0	46.5
12:55 PM - 01:00 PM	47.9	37.3	03:35 PM - 03:40 PM	46.4	39.9	06:15 PM - 06:20 PM	49.4	47.9
01:00 PM - 01:05 PM	41.0	37.3	03:40 PM - 03:45 PM	59.4	40.2	06:20 PM - 06:25 PM	50.8	49.7
01:05 PM - 01:10 PM	42.6	37.5	03:45 PM - 03:50 PM	48.7	42.0	06:25 PM - 06:30 PM	50.6	49.7
01:10 PM - 01:15 PM	41.3	37.3	03:50 PM - 03:55 PM	47.5	38.8	06:30 PM - 06:35 PM	50.5	49.7
01:15 PM - 01:20 PM	40.6	35.1	03:55 PM - 04:00 PM	48.1	39.6	06:35 PM - 06:40 PM	50.5	49.6
01:20 PM - 01:25 PM	41.4	35.3	04:00 PM - 04:05 PM	56.9	41.5	06:40 PM - 06:45 PM	50.4	49.6
01:25 PM - 01:30 PM	39.9	35.7	04:05 PM - 04:10 PM	52.1	41.6	06:45 PM - 06:50 PM	50.3	49.2
01:30 PM - 01:35 PM	51.2	36.1	04:10 PM - 04:15 PM	52.9	40.2	06:50 PM - 06:55 PM	55.6	48.8
01:35 PM - 01:40 PM	64.4	36.9	04:15 PM - 04:20 PM	46.1	40.4	06:55 PM - 07:00 PM	61.1	49.0
01:40 PM - 01:45 PM	45.8	36.6	04:20 PM - 04:25 PM	62.0	41.5	07:00 PM - 07:05 PM	49.9	48.8
01:45 PM - 01:50 PM	51.3	38.1	04:25 PM - 04:30 PM	63.1	40.2	07:05 PM - 07:10 PM	51.2	48.7
01:50 PM - 01:55 PM	48.4	37.4	04:30 PM - 04:35 PM	48.1	41.8	07:10 PM - 07:15 PM	52.3	47.6
01:55 PM - 02:00 PM	48.9	38.7	04:35 PM - 04:40 PM	53.6	41.6	07:15 PM - 07:20 PM	50.9	47.5
02:00 PM - 02:05 PM	49.7	36.1	04:40 PM - 04:45 PM	55.2	42.1	07:20 PM - 07:25 PM	49.1	48.1
02:05 PM - 02:10 PM	48.4	39.6	04:45 PM - 04:50 PM	51.5	39.7	07:25 PM - 07:30 PM	50.4	48.4
02:10 PM - 02:15 PM	54.4	38.9	04:50 PM - 04:55 PM	45.4	39.0	07:30 PM - 07:35 PM	50.2	48.4
02:15 PM - 02:20 PM	50.0	38.7	04:55 PM - 05:00 PM	51.2	43.2	07:35 PM - 07:40 PM	49.3	48.1
02:20 PM - 02:25 PM	47.2	38.5	05:00 PM - 05:05 PM	46.8	41.3	07:40 PM - 07:45 PM	48.3	47.3
02:25 PM - 02:30 PM	47.1	38.0	05:05 PM - 05:10 PM	48.0	42.2	07:45 PM - 07:50 PM	49.7	47.8
02:30 PM - 02:35 PM	42.0	35.8	05:10 PM - 05:15 PM	53.5	43.2	07:50 PM - 07:55 PM	49.1	47.6
02:35 PM - 02:40 PM	59.5	37.0	05:15 PM - 05:20 PM	56.0	42.5	07:55 PM - 08:00 PM	48.1	46.7

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Approved by

Sarayuth Jitranont  
Assistant General Manager





## Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230  
P/O : RJN-BW-012/65  
Project Name : Chonburi Bowin  
Project Location :

Lot ID: 22144022  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report Number : 2534267-1

Page 2 of 3

Sample Number 22144022-21  
Parameter Noise Level (Leq 5 min)  
Location N3 : หมู่บ้านไข่มุก 5  
Measurement Date Dec 25 - Dec 26, 2022  
Measurement by Jaradrawee Sriuksa ทะเบียนเลขที่ ๖-323-๖-9483  
Sound Level meter Serial No. 00472127

Dec 25, 2022	Leq	L90	Dec 25 - Dec 26, 2022	Leq	L90	Dec 26, 2022	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
08:00 PM - 08:05 PM	53.0	46.9	10:40 PM - 10:45 PM	46.2	45.0	01:20 AM - 01:25 AM	45.2	42.8
08:05 PM - 08:10 PM	57.6	46.9	10:45 PM - 10:50 PM	46.0	45.0	01:25 AM - 01:30 AM	43.9	43.1
08:10 PM - 08:15 PM	53.5	50.9	10:50 PM - 10:55 PM	47.0	45.0	01:30 AM - 01:35 AM	44.4	43.5
08:15 PM - 08:20 PM	60.0	47.2	10:55 PM - 11:00 PM	46.2	45.2	01:35 AM - 01:40 AM	46.4	43.6
08:20 PM - 08:25 PM	47.7	47.1	11:00 PM - 11:05 PM	45.7	44.9	01:40 AM - 01:45 AM	72.8	60.6
08:25 PM - 08:30 PM	47.4	46.8	11:05 PM - 11:10 PM	45.9	45.2	01:45 AM - 01:50 AM	72.8	60.6
08:30 PM - 08:35 PM	51.1	47.3	11:10 PM - 11:15 PM	45.0	43.8	01:50 AM - 01:55 AM	46.1	43.2
08:35 PM - 08:40 PM	50.6	47.0	11:15 PM - 11:20 PM	45.6	44.9	01:55 AM - 02:00 AM	43.8	43.1
08:40 PM - 08:45 PM	51.4	46.8	11:20 PM - 11:25 PM	45.7	44.9	02:00 AM - 02:05 AM	44.7	43.5
08:45 PM - 08:50 PM	48.1	46.3	11:25 PM - 11:30 PM	46.2	44.6	02:05 AM - 02:10 AM	44.8	43.5
08:50 PM - 08:55 PM	46.6	45.4	11:30 PM - 11:35 PM	45.6	44.6	02:10 AM - 02:15 AM	44.7	43.8
08:55 PM - 09:00 PM	46.7	45.3	11:35 PM - 11:40 PM	45.0	44.3	02:15 AM - 02:20 AM	44.6	43.9
09:00 PM - 09:05 PM	46.6	45.7	11:40 PM - 11:45 PM	45.0	44.1	02:20 AM - 02:25 AM	44.7	43.9
09:05 PM - 09:10 PM	46.3	45.4	11:45 PM - 11:50 PM	44.8	44.0	02:25 AM - 02:30 AM	44.6	43.9
09:10 PM - 09:15 PM	45.8	45.1	11:50 PM - 11:55 PM	49.3	41.8	02:30 AM - 02:35 AM	45.2	43.8
09:15 PM - 09:20 PM	46.7	45.1	11:55 PM - 12:00 AM	44.6	43.4	02:35 AM - 02:40 AM	44.5	43.6
09:20 PM - 09:25 PM	46.5	45.6	12:00 AM - 12:05 AM	44.0	42.4	02:40 AM - 02:45 AM	44.0	43.2
09:25 PM - 09:30 PM	47.6	45.3	12:05 AM - 12:10 AM	45.3	44.0	02:45 AM - 02:50 AM	44.6	43.8
09:30 PM - 09:35 PM	45.8	44.9	12:10 AM - 12:15 AM	44.6	43.9	02:50 AM - 02:55 AM	45.4	44.0
09:35 PM - 09:40 PM	46.4	45.0	12:15 AM - 12:20 AM	53.8	44.2	02:55 AM - 03:00 AM	44.8	44.0
09:40 PM - 09:45 PM	53.4	44.8	12:20 AM - 12:25 AM	48.3	44.2	03:00 AM - 03:05 AM	45.3	44.2
09:45 PM - 09:50 PM	47.6	45.3	12:25 AM - 12:30 AM	51.9	43.7	03:05 AM - 03:10 AM	44.6	43.8
09:50 PM - 09:55 PM	45.4	44.7	12:30 AM - 12:35 AM	45.8	43.1	03:10 AM - 03:15 AM	44.3	43.6
09:55 PM - 10:00 PM	45.3	44.7	12:35 AM - 12:40 AM	43.4	43.0	03:15 AM - 03:20 AM	44.0	43.3
10:00 PM - 10:05 PM	46.1	45.0	12:40 AM - 12:45 AM	44.2	43.5	03:20 AM - 03:25 AM	44.2	43.4
10:05 PM - 10:10 PM	45.6	44.7	12:45 AM - 12:50 AM	43.6	43.0	03:25 AM - 03:30 AM	44.2	43.4
10:10 PM - 10:15 PM	45.2	44.2	12:50 AM - 12:55 AM	43.0	42.5	03:30 AM - 03:35 AM	44.5	43.7
10:15 PM - 10:20 PM	45.3	44.7	12:55 AM - 01:00 AM	43.1	42.4	03:35 AM - 03:40 AM	44.4	43.0
10:20 PM - 10:25 PM	45.5	44.4	01:00 AM - 01:05 AM	42.6	42.1	03:40 AM - 03:45 AM	44.0	42.8
10:25 PM - 10:30 PM	44.8	43.6	01:05 AM - 01:10 AM	43.0	42.5	03:45 AM - 03:50 AM	43.6	42.8
10:30 PM - 10:35 PM	45.3	43.3	01:10 AM - 01:15 AM	45.0	42.8	03:50 AM - 03:55 AM	44.4	43.0
10:35 PM - 10:40 PM	46.0	45.0	01:15 AM - 01:20 AM	43.7	42.7	03:55 AM - 04:00 AM	49.9	44.1

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Approved by

Sarayuth Jittrantont  
Assistant General Manager



## Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230  
P/O : RJN-BW-012/65  
Project Name : Chonburi Bowin  
Project Location :

Lot ID: 22144022  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report Number : 2534267-1

Page 3 of 3

Sample Number 22144022-21  
Parameter Noise Level (Leq 5 min)  
Location N3 : หมู่บ้านไข่มุก 5  
Measurement Date Dec 25 - Dec 26, 2022  
Measurement by Jaradrawee Sriuksa ทะเบียนเลขที่ ๖-323-๖-9483  
Sound Level meter Serial No. 00472127

Dec 26, 2022 Time	Leq dB(A)	L90 dB(A)	Dec 26, 2022 Time	Leq dB(A)	L90 dB(A)	Dec 26, 2022 Time	Leq dB(A)	L90 dB(A)
04:00 AM - 04:05 AM	52.4	43.6	06:40 AM - 06:45 AM	46.8	44.0	09:20 AM - 09:25 AM	51.2	43.1
04:05 AM - 04:10 AM	44.8	44.1	06:45 AM - 06:50 AM	51.0	43.3	09:25 AM - 09:30 AM	55.3	43.5
04:10 AM - 04:15 AM	44.9	44.0	06:50 AM - 06:55 AM	48.4	43.7	09:30 AM - 09:35 AM	50.4	42.4
04:15 AM - 04:20 AM	47.5	43.6	06:55 AM - 07:00 AM	49.3	42.9	09:35 AM - 09:40 AM	46.3	43.3
04:20 AM - 04:25 AM	44.7	43.7	07:00 AM - 07:05 AM	47.0	42.9	09:40 AM - 09:45 AM	48.6	43.7
04:25 AM - 04:30 AM	45.1	44.3	07:05 AM - 07:10 AM	51.4	43.9	09:45 AM - 09:50 AM	69.4	49.9
04:30 AM - 04:35 AM	44.8	43.8	07:10 AM - 07:15 AM	46.3	43.4	09:50 AM - 09:55 AM	72.5	65.4
04:35 AM - 04:40 AM	49.0	43.9	07:15 AM - 07:20 AM	47.3	42.8	09:55 AM - 10:00 AM	67.1	61.3
04:40 AM - 04:45 AM	44.5	43.1	07:20 AM - 07:25 AM	49.0	43.3	10:00 AM - 10:05 AM	67.4	63.5
04:45 AM - 04:50 AM	57.1	43.8	07:25 AM - 07:30 AM	50.2	43.1	10:05 AM - 10:10 AM	71.5	46.1
04:50 AM - 04:55 AM	53.7	44.1	07:30 AM - 07:35 AM	48.4	43.4	10:10 AM - 10:15 AM	68.3	53.4
04:55 AM - 05:00 AM	52.2	44.3	07:35 AM - 07:40 AM	52.1	43.5	10:15 AM - 10:20 AM	63.8	57.9
05:00 AM - 05:05 AM	45.1	44.2	07:40 AM - 07:45 AM	54.8	42.2	10:20 AM - 10:25 AM	63.7	44.5
05:05 AM - 05:10 AM	45.2	44.4	07:45 AM - 07:50 AM	57.8	43.8	10:25 AM - 10:30 AM	62.4	44.0
05:10 AM - 05:15 AM	45.3	44.4	07:50 AM - 07:55 AM	48.1	43.4	10:30 AM - 10:35 AM	68.7	57.5
05:15 AM - 05:20 AM	45.2	44.4	07:55 AM - 08:00 AM	45.8	42.7	10:35 AM - 10:40 AM	61.4	57.6
05:20 AM - 05:25 AM	45.4	44.6	08:00 AM - 08:05 AM	56.0	42.8	10:40 AM - 10:45 AM	64.3	58.6
05:25 AM - 05:30 AM	54.2	44.2	08:05 AM - 08:10 AM	47.7	41.7	10:45 AM - 10:50 AM	65.6	57.7
05:30 AM - 05:35 AM	55.3	43.4	08:10 AM - 08:15 AM	47.3	42.1	10:50 AM - 10:55 AM	65.9	57.3
05:35 AM - 05:40 AM	44.3	43.3	08:15 AM - 08:20 AM	49.4	44.3	10:55 AM - 11:00 AM	63.6	59.8
05:40 AM - 05:45 AM	44.9	43.5	08:20 AM - 08:25 AM	51.0	43.0	11:00 AM - 11:05 AM	50.4	41.6
05:45 AM - 05:50 AM	54.9	43.8	08:25 AM - 08:30 AM	52.6	43.6	11:05 AM - 11:10 AM	48.6	41.9
05:50 AM - 05:55 AM	57.1	43.7	08:30 AM - 08:35 AM	53.8	43.5	11:10 AM - 11:15 AM	50.0	42.1
05:55 AM - 06:00 AM	55.6	44.4	08:35 AM - 08:40 AM	56.5	43.0	11:15 AM - 11:20 AM	48.3	39.6
06:00 AM - 06:05 AM	53.8	44.6	08:40 AM - 08:45 AM	50.5	42.4	11:20 AM - 11:25 AM	48.4	42.6
06:05 AM - 06:10 AM	51.9	44.2	08:45 AM - 08:50 AM	47.2	43.0	11:25 AM - 11:30 AM	45.9	40.9
06:10 AM - 06:15 AM	51.6	44.6	08:50 AM - 08:55 AM	48.7	43.4	11:30 AM - 11:35 AM	50.0	42.9
06:15 AM - 06:20 AM	51.9	44.8	08:55 AM - 09:00 AM	55.3	44.7	11:35 AM - 11:40 AM	46.7	42.5
06:20 AM - 06:25 AM	65.3	44.0	09:00 AM - 09:05 AM	46.0	41.1	11:40 AM - 11:45 AM	45.9	43.1
06:25 AM - 06:30 AM	47.0	43.6	09:05 AM - 09:10 AM	60.0	46.1	11:45 AM - 11:50 AM	53.9	40.8
06:30 AM - 06:35 AM	47.8	43.3	09:10 AM - 09:15 AM	48.3	43.2	11:50 AM - 11:55 AM	52.6	41.7
06:35 AM - 06:40 AM	55.2	43.5	09:15 AM - 09:20 AM	50.9	44.3	11:55 AM - 12:00 PM	46.7	41.4

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Approved by

Sarayuth Jitranont  
Assistant General Manager



## Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230  
P/O : RJN-BW-012/65  
Project Name : Chonburi Bowin  
Project Location :

Lot ID: 22144022  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report Number : 2534268-1

Page 1 of 3

Sample Number : 22144022-22  
Parameter : Noise Level (Leq 5 min)  
Location : N4 : ที่พักอาศัยบริเวณหมู่ 5 บ้านสุรศักดิ์  
Measurement Date : Dec 19 - Dec 20, 2022  
Measurement by : Jaradrawee Sriuksa ทะเบียนเลขที่ ว-323-จ-9483  
Sound Level meter : Serial No. 597168

Dec 19, 2022	Leq	L90	Dec 19, 2022	Leq	L90	Dec 19, 2022	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
12:00 PM - 12:05 PM	61.9	50.9	02:40 PM - 02:45 PM	57.2	51.2	05:20 PM - 05:25 PM	61.8	47.5
12:05 PM - 12:10 PM	57.8	48.6	02:45 PM - 02:50 PM	60.2	47.4	05:25 PM - 05:30 PM	56.5	48.3
12:10 PM - 12:15 PM	59.5	53.2	02:50 PM - 02:55 PM	55.5	46.4	05:30 PM - 05:35 PM	57.5	47.3
12:15 PM - 12:20 PM	57.2	50.7	02:55 PM - 03:00 PM	58.6	48.0	05:35 PM - 05:40 PM	59.4	47.1
12:20 PM - 12:25 PM	60.3	54.0	03:00 PM - 03:05 PM	59.1	50.3	05:40 PM - 05:45 PM	70.9	48.4
12:25 PM - 12:30 PM	57.9	49.6	03:05 PM - 03:10 PM	58.6	49.4	05:45 PM - 05:50 PM	59.8	48.1
12:30 PM - 12:35 PM	60.7	53.1	03:10 PM - 03:15 PM	60.4	51.4	05:50 PM - 05:55 PM	55.1	47.8
12:35 PM - 12:40 PM	57.8	49.8	03:15 PM - 03:20 PM	59.0	51.0	05:55 PM - 06:00 PM	69.9	50.0
12:40 PM - 12:45 PM	59.3	48.8	03:20 PM - 03:25 PM	57.5	50.4	06:00 PM - 06:05 PM	55.0	46.6
12:45 PM - 12:50 PM	60.1	48.1	03:25 PM - 03:30 PM	56.2	47.2	06:05 PM - 06:10 PM	55.4	47.6
12:50 PM - 12:55 PM	59.2	51.1	03:30 PM - 03:35 PM	58.6	49.6	06:10 PM - 06:15 PM	58.1	46.8
12:55 PM - 01:00 PM	57.5	47.3	03:35 PM - 03:40 PM	59.2	49.0	06:15 PM - 06:20 PM	57.3	48.3
01:00 PM - 01:05 PM	58.7	47.9	03:40 PM - 03:45 PM	56.4	48.4	06:20 PM - 06:25 PM	57.5	46.4
01:05 PM - 01:10 PM	60.2	51.3	03:45 PM - 03:50 PM	57.2	46.2	06:25 PM - 06:30 PM	55.1	47.8
01:10 PM - 01:15 PM	59.3	52.5	03:50 PM - 03:55 PM	58.7	46.6	06:30 PM - 06:35 PM	56.6	47.1
01:15 PM - 01:20 PM	58.5	48.7	03:55 PM - 04:00 PM	57.2	49.7	06:35 PM - 06:40 PM	54.1	45.6
01:20 PM - 01:25 PM	61.9	51.8	04:00 PM - 04:05 PM	56.1	46.5	06:40 PM - 06:45 PM	56.7	48.9
01:25 PM - 01:30 PM	60.8	50.3	04:05 PM - 04:10 PM	57.1	47.7	06:45 PM - 06:50 PM	62.1	47.2
01:30 PM - 01:35 PM	61.9	53.4	04:10 PM - 04:15 PM	57.4	48.8	06:50 PM - 06:55 PM	60.1	48.5
01:35 PM - 01:40 PM	58.3	50.6	04:15 PM - 04:20 PM	62.0	49.2	06:55 PM - 07:00 PM	57.8	47.6
01:40 PM - 01:45 PM	60.3	52.2	04:20 PM - 04:25 PM	57.2	49.6	07:00 PM - 07:05 PM	53.4	44.7
01:45 PM - 01:50 PM	60.6	49.5	04:25 PM - 04:30 PM	58.4	48.8	07:05 PM - 07:10 PM	55.9	45.3
01:50 PM - 01:55 PM	58.3	48.8	04:30 PM - 04:35 PM	58.9	49.9	07:10 PM - 07:15 PM	57.5	46.7
01:55 PM - 02:00 PM	61.1	51.8	04:35 PM - 04:40 PM	60.3	50.7	07:15 PM - 07:20 PM	54.0	46.5
02:00 PM - 02:05 PM	57.6	47.8	04:40 PM - 04:45 PM	59.0	48.1	07:20 PM - 07:25 PM	55.6	46.3
02:05 PM - 02:10 PM	59.6	48.8	04:45 PM - 04:50 PM	57.7	48.7	07:25 PM - 07:30 PM	54.6	45.4
02:10 PM - 02:15 PM	60.4	47.8	04:50 PM - 04:55 PM	55.2	48.9	07:30 PM - 07:35 PM	53.1	45.5
02:15 PM - 02:20 PM	55.1	48.6	04:55 PM - 05:00 PM	55.3	47.9	07:35 PM - 07:40 PM	58.1	46.8
02:20 PM - 02:25 PM	65.1	50.0	05:00 PM - 05:05 PM	58.3	47.9	07:40 PM - 07:45 PM	55.1	46.9
02:25 PM - 02:30 PM	59.1	50.5	05:05 PM - 05:10 PM	62.9	48.0	07:45 PM - 07:50 PM	52.0	44.8
02:30 PM - 02:35 PM	57.9	51.2	05:10 PM - 05:15 PM	56.0	48.5	07:50 PM - 07:55 PM	61.0	45.7
02:35 PM - 02:40 PM	58.2	50.3	05:15 PM - 05:20 PM	59.3	47.8	07:55 PM - 08:00 PM	53.9	45.2

Approved by

Sarayuth Jitranont  
Assistant General Manager

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## Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230  
P/O : RJN-BW-012/65  
Project Name : Chonburi Bowin  
Project Location :

Lot ID: 22144022  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report Number : 2534268-1

Page 2 of 3

Sample Number 22144022-22  
Parameter Noise Level (Leq 5 min)  
Location N4 : ที่พักอาศัยบริเวณหมู่ 5 บ้านสุรศักดิ์  
Measurement Date Dec 19 - Dec 20, 2022  
Measurement by Jaradrawee Sriuksa ทะเบียนเลขที่ ๖-323-๖-9483  
Sound Level meter Serial No. 597168

Dec 19, 2022	Leq	L90	Dec 19 - Dec 20, 2022	Leq	L90	Dec 20, 2022	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
08:00 PM - 08:05 PM	53.7	45.7	10:40 PM - 10:45 PM	56.1	49.3	01:20 AM - 01:25 AM	55.5	47.0
08:05 PM - 08:10 PM	67.9	44.2	10:45 PM - 10:50 PM	56.0	48.9	01:25 AM - 01:30 AM	56.0	47.7
08:10 PM - 08:15 PM	54.3	44.0	10:50 PM - 10:55 PM	55.8	50.3	01:30 AM - 01:35 AM	52.9	48.3
08:15 PM - 08:20 PM	60.6	45.8	10:55 PM - 11:00 PM	57.3	49.4	01:35 AM - 01:40 AM	52.1	47.6
08:20 PM - 08:25 PM	60.4	44.5	11:00 PM - 11:05 PM	62.1	48.8	01:40 AM - 01:45 AM	52.9	47.7
08:25 PM - 08:30 PM	55.0	44.1	11:05 PM - 11:10 PM	50.9	44.9	01:45 AM - 01:50 AM	54.6	47.4
08:30 PM - 08:35 PM	56.5	44.3	11:10 PM - 11:15 PM	54.9	45.8	01:50 AM - 01:55 AM	53.2	46.7
08:35 PM - 08:40 PM	53.6	43.4	11:15 PM - 11:20 PM	51.2	43.3	01:55 AM - 02:00 AM	53.2	45.3
08:40 PM - 08:45 PM	54.6	45.2	11:20 PM - 11:25 PM	51.2	43.2	02:00 AM - 02:05 AM	53.7	46.8
08:45 PM - 08:50 PM	53.9	44.2	11:25 PM - 11:30 PM	57.3	43.0	02:05 AM - 02:10 AM	53.6	46.8
08:50 PM - 08:55 PM	55.1	44.6	11:30 PM - 11:35 PM	51.7	43.0	02:10 AM - 02:15 AM	54.4	48.0
08:55 PM - 09:00 PM	55.2	46.0	11:35 PM - 11:40 PM	56.7	43.4	02:15 AM - 02:20 AM	52.2	47.3
09:00 PM - 09:05 PM	53.3	44.6	11:40 PM - 11:45 PM	52.9	42.8	02:20 AM - 02:25 AM	51.9	46.4
09:05 PM - 09:10 PM	54.3	45.6	11:45 PM - 11:50 PM	50.0	42.4	02:25 AM - 02:30 AM	54.5	47.1
09:10 PM - 09:15 PM	52.6	44.9	11:50 PM - 11:55 PM	51.1	42.3	02:30 AM - 02:35 AM	50.7	46.2
09:15 PM - 09:20 PM	59.4	44.5	11:55 PM - 12:00 AM	53.2	41.6	02:35 AM - 02:40 AM	51.9	46.2
09:20 PM - 09:25 PM	56.4	44.0	12:00 AM - 12:05 AM	48.9	41.8	02:40 AM - 02:45 AM	53.9	47.1
09:25 PM - 09:30 PM	53.3	44.8	12:05 AM - 12:10 AM	56.8	43.7	02:45 AM - 02:50 AM	51.0	46.4
09:30 PM - 09:35 PM	53.7	45.7	12:10 AM - 12:15 AM	52.2	43.5	02:50 AM - 02:55 AM	53.4	44.9
09:35 PM - 09:40 PM	52.2	46.1	12:15 AM - 12:20 AM	53.2	43.5	02:55 AM - 03:00 AM	54.4	45.1
09:40 PM - 09:45 PM	52.4	46.5	12:20 AM - 12:25 AM	49.0	43.1	03:00 AM - 03:05 AM	53.0	45.4
09:45 PM - 09:50 PM	54.4	46.2	12:25 AM - 12:30 AM	50.0	43.4	03:05 AM - 03:10 AM	53.0	45.8
09:50 PM - 09:55 PM	52.7	45.8	12:30 AM - 12:35 AM	51.0	43.4	03:10 AM - 03:15 AM	54.6	43.7
09:55 PM - 10:00 PM	54.1	46.7	12:35 AM - 12:40 AM	52.5	46.0	03:15 AM - 03:20 AM	51.8	44.4
10:00 PM - 10:05 PM	55.0	47.7	12:40 AM - 12:45 AM	57.1	46.2	03:20 AM - 03:25 AM	51.7	44.7
10:05 PM - 10:10 PM	53.9	45.8	12:45 AM - 12:50 AM	54.8	44.9	03:25 AM - 03:30 AM	51.8	44.2
10:10 PM - 10:15 PM	50.7	47.1	12:50 AM - 12:55 AM	53.1	46.8	03:30 AM - 03:35 AM	52.5	44.3
10:15 PM - 10:20 PM	51.9	46.7	12:55 AM - 01:00 AM	55.0	47.0	03:35 AM - 03:40 AM	54.0	43.8
10:20 PM - 10:25 PM	54.1	48.1	01:00 AM - 01:05 AM	54.1	47.8	03:40 AM - 03:45 AM	55.0	45.2
10:25 PM - 10:30 PM	57.6	48.9	01:05 AM - 01:10 AM	53.4	47.8	03:45 AM - 03:50 AM	57.2	44.4
10:30 PM - 10:35 PM	54.9	48.3	01:10 AM - 01:15 AM	54.6	46.7	03:50 AM - 03:55 AM	57.9	44.1
10:35 PM - 10:40 PM	55.0	48.7	01:15 AM - 01:20 AM	52.7	47.2	03:55 AM - 04:00 AM	52.5	44.7

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Approved by

Sarayuth Jitranont  
Assistant General Manager



## Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230  
P/O : RJN-BW-012/65  
Project Name : Chonburi Bowin  
Project Location :

Lot ID: 22144022  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report Number : 2534268-1

Page 3 of 3

Sample Number 22144022-22  
Parameter Noise Level (Leq 5 min)  
Location N4 : ที่พักอาศัยบริเวณหมู่ 5 บ้านสุรศักดิ์  
Measurement Date Dec 19 - Dec 20, 2022  
Measurement by Jaradrawee Sriuksa ทะเบียนเลขที่ ว-323-จ-9483  
Sound Level meter Serial No. 597168

Dec 20, 2022 Time	Leq dB(A)	L90 dB(A)	Dec 20, 2022 Time	Leq dB(A)	L90 dB(A)	Dec 20, 2022 Time	Leq dB(A)	L90 dB(A)
04:00 AM - 04:05 AM	58.6	45.9	06:40 AM - 06:45 AM	59.2	51.2	09:20 AM - 09:25 AM	60.6	50.6
04:05 AM - 04:10 AM	54.3	43.6	06:45 AM - 06:50 AM	59.6	53.2	09:25 AM - 09:30 AM	58.2	50.1
04:10 AM - 04:15 AM	53.5	44.1	06:50 AM - 06:55 AM	61.6	56.0	09:30 AM - 09:35 AM	61.1	48.2
04:15 AM - 04:20 AM	52.6	43.9	06:55 AM - 07:00 AM	61.9	54.8	09:35 AM - 09:40 AM	62.7	52.6
04:20 AM - 04:25 AM	54.4	44.7	07:00 AM - 07:05 AM	58.2	50.7	09:40 AM - 09:45 AM	60.4	50.9
04:25 AM - 04:30 AM	56.1	44.6	07:05 AM - 07:10 AM	58.2	52.1	09:45 AM - 09:50 AM	62.0	53.6
04:30 AM - 04:35 AM	53.3	44.8	07:10 AM - 07:15 AM	60.4	51.6	09:50 AM - 09:55 AM	57.0	49.0
04:35 AM - 04:40 AM	54.4	45.0	07:15 AM - 07:20 AM	57.9	50.4	09:55 AM - 10:00 AM	62.1	47.7
04:40 AM - 04:45 AM	55.7	46.2	07:20 AM - 07:25 AM	58.3	51.3	10:00 AM - 10:05 AM	59.7	50.5
04:45 AM - 04:50 AM	60.5	46.2	07:25 AM - 07:30 AM	59.1	52.1	10:05 AM - 10:10 AM	59.6	49.7
04:50 AM - 04:55 AM	53.5	44.5	07:30 AM - 07:35 AM	59.2	50.5	10:10 AM - 10:15 AM	59.6	51.9
04:55 AM - 05:00 AM	55.6	45.5	07:35 AM - 07:40 AM	59.0	51.3	10:15 AM - 10:20 AM	60.2	46.1
05:00 AM - 05:05 AM	55.8	47.0	07:40 AM - 07:45 AM	60.0	50.5	10:20 AM - 10:25 AM	59.8	53.1
05:05 AM - 05:10 AM	55.8	45.9	07:45 AM - 07:50 AM	57.1	51.2	10:25 AM - 10:30 AM	59.5	46.9
05:10 AM - 05:15 AM	55.6	46.6	07:50 AM - 07:55 AM	57.7	48.7	10:30 AM - 10:35 AM	61.1	50.4
05:15 AM - 05:20 AM	57.8	46.5	07:55 AM - 08:00 AM	60.9	50.8	10:35 AM - 10:40 AM	59.7	51.1
05:20 AM - 05:25 AM	56.0	47.9	08:00 AM - 08:05 AM	60.1	49.8	10:40 AM - 10:45 AM	58.7	46.9
05:25 AM - 05:30 AM	56.2	47.4	08:05 AM - 08:10 AM	57.7	51.2	10:45 AM - 10:50 AM	58.6	49.6
05:30 AM - 05:35 AM	56.8	48.2	08:10 AM - 08:15 AM	60.6	49.7	10:50 AM - 10:55 AM	57.9	50.0
05:35 AM - 05:40 AM	58.0	49.5	08:15 AM - 08:20 AM	59.2	51.7	10:55 AM - 11:00 AM	58.3	49.8
05:40 AM - 05:45 AM	58.0	50.5	08:20 AM - 08:25 AM	59.1	51.5	11:00 AM - 11:05 AM	59.8	49.2
05:45 AM - 05:50 AM	59.2	50.4	08:25 AM - 08:30 AM	59.2	51.4	11:05 AM - 11:10 AM	60.2	50.7
05:50 AM - 05:55 AM	56.2	50.8	08:30 AM - 08:35 AM	58.7	52.1	11:10 AM - 11:15 AM	59.6	48.1
05:55 AM - 06:00 AM	58.6	51.5	08:35 AM - 08:40 AM	59.5	51.3	11:15 AM - 11:20 AM	59.0	48.2
06:00 AM - 06:05 AM	59.6	50.9	08:40 AM - 08:45 AM	59.7	52.4	11:20 AM - 11:25 AM	58.0	47.9
06:05 AM - 06:10 AM	58.4	51.6	08:45 AM - 08:50 AM	60.7	51.0	11:25 AM - 11:30 AM	60.8	50.1
06:10 AM - 06:15 AM	58.8	51.2	08:50 AM - 08:55 AM	59.3	50.8	11:30 AM - 11:35 AM	59.6	51.7
06:15 AM - 06:20 AM	60.6	52.0	08:55 AM - 09:00 AM	60.3	51.9	11:35 AM - 11:40 AM	57.9	49.0
06:20 AM - 06:25 AM	59.3	51.2	09:00 AM - 09:05 AM	59.3	50.6	11:40 AM - 11:45 AM	59.5	49.8
06:25 AM - 06:30 AM	58.5	52.2	09:05 AM - 09:10 AM	59.9	52.3	11:45 AM - 11:50 AM	61.6	49.0
06:30 AM - 06:35 AM	59.5	51.8	09:10 AM - 09:15 AM	61.4	50.3	11:50 AM - 11:55 AM	59.0	50.4
06:35 AM - 06:40 AM	58.9	50.6	09:15 AM - 09:20 AM	59.1	50.8	11:55 AM - 12:00 PM	58.3	48.8

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Approved by

Sarayuth Jittrantont  
Assistant General Manager



## Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230  
P/O : RJN-BW-012/65  
Project Name : Chonburi Bowin  
Project Location :

Lot ID: 22144022  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report Number : 2534269-1

Page 1 of 3

Sample Number 22144022-23  
Parameter Noise Level (Leq 5 min)  
Location N4 : ที่พักอาศัยบริเวณหมู่ 5 บ้านสุรศักดิ์  
Measurement Date Dec 20 - Dec 21, 2022  
Measurement by Jaradrawee Sriuksa ทะเบียนเลขที่ ว-323-จ-9483  
Sound Level meter Serial No. 597168

Dec 20, 2022 Time	Leq dB(A)	L90 dB(A)	Dec 20, 2022 Time	Leq dB(A)	L90 dB(A)	Dec 20, 2022 Time	Leq dB(A)	L90 dB(A)
12:00 PM - 12:05 PM	57.3	47.3	02:40 PM - 02:45 PM	59.9	47.0	05:20 PM - 05:25 PM	57.1	48.2
12:05 PM - 12:10 PM	60.0	50.4	02:45 PM - 02:50 PM	59.6	44.0	05:25 PM - 05:30 PM	55.7	48.3
12:10 PM - 12:15 PM	56.6	49.3	02:50 PM - 02:55 PM	56.3	45.2	05:30 PM - 05:35 PM	56.1	48.4
12:15 PM - 12:20 PM	56.2	49.2	02:55 PM - 03:00 PM	58.5	45.8	05:35 PM - 05:40 PM	56.7	47.9
12:20 PM - 12:25 PM	60.6	52.0	03:00 PM - 03:05 PM	59.8	47.6	05:40 PM - 05:45 PM	57.6	48.8
12:25 PM - 12:30 PM	59.7	46.0	03:05 PM - 03:10 PM	57.7	46.0	05:45 PM - 05:50 PM	57.6	48.2
12:30 PM - 12:35 PM	58.9	47.8	03:10 PM - 03:15 PM	58.7	47.4	05:50 PM - 05:55 PM	55.5	48.2
12:35 PM - 12:40 PM	56.8	46.7	03:15 PM - 03:20 PM	59.6	48.2	05:55 PM - 06:00 PM	54.1	48.1
12:40 PM - 12:45 PM	56.0	47.6	03:20 PM - 03:25 PM	59.2	48.1	06:00 PM - 06:05 PM	57.5	48.7
12:45 PM - 12:50 PM	59.7	48.4	03:25 PM - 03:30 PM	61.2	48.9	06:05 PM - 06:10 PM	56.7	47.6
12:50 PM - 12:55 PM	56.6	45.2	03:30 PM - 03:35 PM	57.3	46.9	06:10 PM - 06:15 PM	60.0	49.2
12:55 PM - 01:00 PM	58.8	49.1	03:35 PM - 03:40 PM	59.6	47.7	06:15 PM - 06:20 PM	58.3	48.4
01:00 PM - 01:05 PM	60.2	47.2	03:40 PM - 03:45 PM	57.9	47.7	06:20 PM - 06:25 PM	57.5	47.6
01:05 PM - 01:10 PM	61.7	46.7	03:45 PM - 03:50 PM	56.3	47.4	06:25 PM - 06:30 PM	57.4	48.6
01:10 PM - 01:15 PM	65.2	47.1	03:50 PM - 03:55 PM	59.5	47.7	06:30 PM - 06:35 PM	58.0	49.7
01:15 PM - 01:20 PM	57.9	48.3	03:55 PM - 04:00 PM	59.2	47.3	06:35 PM - 06:40 PM	57.1	49.4
01:20 PM - 01:25 PM	59.0	46.7	04:00 PM - 04:05 PM	62.8	47.5	06:40 PM - 06:45 PM	57.4	49.0
01:25 PM - 01:30 PM	56.3	46.7	04:05 PM - 04:10 PM	61.9	47.9	06:45 PM - 06:50 PM	59.5	49.8
01:30 PM - 01:35 PM	60.9	46.9	04:10 PM - 04:15 PM	55.5	45.5	06:50 PM - 06:55 PM	54.4	49.1
01:35 PM - 01:40 PM	58.0	46.8	04:15 PM - 04:20 PM	55.8	46.5	06:55 PM - 07:00 PM	57.3	48.4
01:40 PM - 01:45 PM	59.7	46.0	04:20 PM - 04:25 PM	57.3	46.3	07:00 PM - 07:05 PM	55.9	47.7
01:45 PM - 01:50 PM	60.7	47.5	04:25 PM - 04:30 PM	56.6	48.8	07:05 PM - 07:10 PM	55.8	47.1
01:50 PM - 01:55 PM	60.0	48.4	04:30 PM - 04:35 PM	60.2	51.0	07:10 PM - 07:15 PM	54.5	47.6
01:55 PM - 02:00 PM	61.2	47.1	04:35 PM - 04:40 PM	57.2	48.1	07:15 PM - 07:20 PM	54.9	47.5
02:00 PM - 02:05 PM	61.3	46.1	04:40 PM - 04:45 PM	56.2	46.3	07:20 PM - 07:25 PM	55.5	47.9
02:05 PM - 02:10 PM	60.2	46.0	04:45 PM - 04:50 PM	64.9	47.8	07:25 PM - 07:30 PM	57.8	48.8
02:10 PM - 02:15 PM	57.8	44.5	04:50 PM - 04:55 PM	58.0	47.9	07:30 PM - 07:35 PM	55.6	48.8
02:15 PM - 02:20 PM	57.6	43.4	04:55 PM - 05:00 PM	55.1	47.0	07:35 PM - 07:40 PM	57.4	49.7
02:20 PM - 02:25 PM	60.4	48.6	05:00 PM - 05:05 PM	57.1	48.6	07:40 PM - 07:45 PM	56.0	49.3
02:25 PM - 02:30 PM	61.0	47.8	05:05 PM - 05:10 PM	56.9	45.9	07:45 PM - 07:50 PM	58.8	49.1
02:30 PM - 02:35 PM	59.6	45.1	05:10 PM - 05:15 PM	57.3	47.8	07:50 PM - 07:55 PM	56.9	48.0
02:35 PM - 02:40 PM	56.4	44.7	05:15 PM - 05:20 PM	57.5	47.8	07:55 PM - 08:00 PM	56.0	48.2

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Approved by

Sarayuth Jittrantont  
Assistant General Manager



## Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.  
 168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230  
 P/O : RJN-BW-012/65  
 Project Name : Chonburi Bowin  
 Project Location :

Lot ID: 22144022  
 Date Received : Dec 28, 2022  
 Date Reported : Jan 04, 2023  
 Report Number : 2534269-1

Page 2 of 3

Sample Number 22144022-23  
 Parameter Noise Level (Leq 5 min)  
 Location N4 : ที่พักอาศัยบริเวณหมู่ 5 บ้านสุรศักดิ์  
 Measurement Date Dec 20 - Dec 21, 2022  
 Measurement by Jaradrawee Sriuksa ทะเบียนเลขที่ ๖-323-๖-9483  
 Sound Level meter Serial No. 597168

Dec 20, 2022	Leq	L90	Dec 20 - Dec 21, 2022	Leq	L90	Dec 21, 2022	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
08:00 PM - 08:05 PM	55.4	47.7	10:40 PM - 10:45 PM	52.4	45.4	01:20 AM - 01:25 AM	51.7	44.8
08:05 PM - 08:10 PM	56.5	47.5	10:45 PM - 10:50 PM	60.7	44.6	01:25 AM - 01:30 AM	49.0	44.2
08:10 PM - 08:15 PM	54.9	47.6	10:50 PM - 10:55 PM	55.7	46.3	01:30 AM - 01:35 AM	55.1	44.9
08:15 PM - 08:20 PM	56.9	46.9	10:55 PM - 11:00 PM	55.3	45.9	01:35 AM - 01:40 AM	51.4	44.8
08:20 PM - 08:25 PM	54.3	45.9	11:00 PM - 11:05 PM	56.7	45.3	01:40 AM - 01:45 AM	52.4	44.5
08:25 PM - 08:30 PM	53.6	45.8	11:05 PM - 11:10 PM	54.2	44.6	01:45 AM - 01:50 AM	53.7	45.1
08:30 PM - 08:35 PM	54.4	46.3	11:10 PM - 11:15 PM	49.6	43.7	01:50 AM - 01:55 AM	50.9	44.2
08:35 PM - 08:40 PM	58.8	47.2	11:15 PM - 11:20 PM	53.0	43.1	01:55 AM - 02:00 AM	54.1	45.3
08:40 PM - 08:45 PM	55.4	47.0	11:20 PM - 11:25 PM	54.2	43.8	02:00 AM - 02:05 AM	49.3	44.9
08:45 PM - 08:50 PM	58.1	46.5	11:25 PM - 11:30 PM	51.3	43.8	02:05 AM - 02:10 AM	48.5	44.1
08:50 PM - 08:55 PM	56.0	46.6	11:30 PM - 11:35 PM	57.0	45.0	02:10 AM - 02:15 AM	51.9	44.9
08:55 PM - 09:00 PM	56.2	47.1	11:35 PM - 11:40 PM	55.2	45.2	02:15 AM - 02:20 AM	49.0	43.2
09:00 PM - 09:05 PM	63.8	45.6	11:40 PM - 11:45 PM	54.2	45.9	02:20 AM - 02:25 AM	51.1	44.2
09:05 PM - 09:10 PM	55.2	47.0	11:45 PM - 11:50 PM	54.7	45.4	02:25 AM - 02:30 AM	52.4	44.8
09:10 PM - 09:15 PM	54.9	46.0	11:50 PM - 11:55 PM	57.6	44.9	02:30 AM - 02:35 AM	53.5	44.6
09:15 PM - 09:20 PM	56.7	47.7	11:55 PM - 12:00 AM	52.0	44.9	02:35 AM - 02:40 AM	48.4	43.9
09:20 PM - 09:25 PM	56.8	46.3	12:00 AM - 12:05 AM	48.7	45.0	02:40 AM - 02:45 AM	52.4	44.7
09:25 PM - 09:30 PM	52.8	46.3	12:05 AM - 12:10 AM	53.1	45.2	02:45 AM - 02:50 AM	56.4	46.0
09:30 PM - 09:35 PM	52.7	46.3	12:10 AM - 12:15 AM	51.1	45.0	02:50 AM - 02:55 AM	54.2	45.8
09:35 PM - 09:40 PM	57.7	45.8	12:15 AM - 12:20 AM	52.1	44.9	02:55 AM - 03:00 AM	52.4	45.4
09:40 PM - 09:45 PM	57.1	47.4	12:20 AM - 12:25 AM	50.1	44.3	03:00 AM - 03:05 AM	47.0	44.4
09:45 PM - 09:50 PM	54.3	46.5	12:25 AM - 12:30 AM	48.3	44.6	03:05 AM - 03:10 AM	53.6	45.3
09:50 PM - 09:55 PM	55.6	45.6	12:30 AM - 12:35 AM	52.1	45.1	03:10 AM - 03:15 AM	55.7	45.6
09:55 PM - 10:00 PM	51.8	45.3	12:35 AM - 12:40 AM	51.0	44.4	03:15 AM - 03:20 AM	50.7	43.7
10:00 PM - 10:05 PM	54.1	45.9	12:40 AM - 12:45 AM	53.8	45.2	03:20 AM - 03:25 AM	58.6	45.3
10:05 PM - 10:10 PM	53.6	45.1	12:45 AM - 12:50 AM	50.5	44.7	03:25 AM - 03:30 AM	53.3	44.3
10:10 PM - 10:15 PM	52.0	46.1	12:50 AM - 12:55 AM	53.4	44.8	03:30 AM - 03:35 AM	54.9	45.6
10:15 PM - 10:20 PM	55.7	45.9	12:55 AM - 01:00 AM	52.6	45.8	03:35 AM - 03:40 AM	55.8	46.2
10:20 PM - 10:25 PM	52.3	45.6	01:00 AM - 01:05 AM	52.7	45.0	03:40 AM - 03:45 AM	54.3	45.2
10:25 PM - 10:30 PM	53.2	46.9	01:05 AM - 01:10 AM	53.5	44.8	03:45 AM - 03:50 AM	57.6	44.8
10:30 PM - 10:35 PM	52.5	46.1	01:10 AM - 01:15 AM	52.5	45.7	03:50 AM - 03:55 AM	55.1	45.5
10:35 PM - 10:40 PM	52.7	44.9	01:15 AM - 01:20 AM	52.9	45.5	03:55 AM - 04:00 AM	55.5	44.3

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Approved by

Sarayuth Jittrantont  
 Assistant General Manager





## Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230  
P/O : RJN-BW-012/65  
Project Name : Chonburi Bowin  
Project Location :

Lot ID: 22144022  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report Number : 2534269-1

Page 3 of 3

Sample Number 22144022-23  
Parameter Noise Level (Leq 5 min)  
Location N4 : ที่พักอาศัยบริเวณหมู่ 5 บ้านสุรศักดิ์  
Measurement Date Dec 20 - Dec 21, 2022  
Measurement by Jaradrawee Sriuksa ทะเบียนเลขที่ ว-323-จ-9483  
Sound Level meter Serial No. 597168

Dec 21, 2022 Time	Leq dB(A)	L90 dB(A)	Dec 21, 2022 Time	Leq dB(A)	L90 dB(A)	Dec 21, 2022 Time	Leq dB(A)	L90 dB(A)
04:00 AM - 04:05 AM	54.5	45.8	06:40 AM - 06:45 AM	57.8	52.3	09:20 AM - 09:25 AM	61.8	51.1
04:05 AM - 04:10 AM	54.5	44.9	06:45 AM - 06:50 AM	60.7	52.6	09:25 AM - 09:30 AM	60.7	52.2
04:10 AM - 04:15 AM	57.1	46.1	06:50 AM - 06:55 AM	58.0	51.7	09:30 AM - 09:35 AM	58.8	49.7
04:15 AM - 04:20 AM	54.3	45.2	06:55 AM - 07:00 AM	58.7	50.5	09:35 AM - 09:40 AM	58.6	47.9
04:20 AM - 04:25 AM	56.2	44.9	07:00 AM - 07:05 AM	58.4	51.5	09:40 AM - 09:45 AM	60.0	50.1
04:25 AM - 04:30 AM	55.5	45.3	07:05 AM - 07:10 AM	58.5	50.5	09:45 AM - 09:50 AM	59.7	49.3
04:30 AM - 04:35 AM	56.5	46.8	07:10 AM - 07:15 AM	58.6	52.1	09:50 AM - 09:55 AM	67.6	46.8
04:35 AM - 04:40 AM	57.2	47.5	07:15 AM - 07:20 AM	58.6	51.8	09:55 AM - 10:00 AM	58.1	46.4
04:40 AM - 04:45 AM	55.4	46.7	07:20 AM - 07:25 AM	59.5	53.7	10:00 AM - 10:05 AM	59.7	47.0
04:45 AM - 04:50 AM	57.8	46.6	07:25 AM - 07:30 AM	61.9	52.7	10:05 AM - 10:10 AM	61.4	49.7
04:50 AM - 04:55 AM	56.2	47.7	07:30 AM - 07:35 AM	59.7	53.7	10:10 AM - 10:15 AM	58.2	46.3
04:55 AM - 05:00 AM	54.5	46.3	07:35 AM - 07:40 AM	60.4	53.6	10:15 AM - 10:20 AM	58.9	51.5
05:00 AM - 05:05 AM	55.2	46.2	07:40 AM - 07:45 AM	60.0	52.5	10:20 AM - 10:25 AM	59.5	49.6
05:05 AM - 05:10 AM	55.5	47.4	07:45 AM - 07:50 AM	60.2	52.3	10:25 AM - 10:30 AM	58.6	49.3
05:10 AM - 05:15 AM	57.1	47.3	07:50 AM - 07:55 AM	58.7	50.2	10:30 AM - 10:35 AM	58.4	50.7
05:15 AM - 05:20 AM	56.2	47.7	07:55 AM - 08:00 AM	58.8	51.4	10:35 AM - 10:40 AM	60.9	51.5
05:20 AM - 05:25 AM	59.5	48.7	08:00 AM - 08:05 AM	58.9	51.9	10:40 AM - 10:45 AM	59.0	50.8
05:25 AM - 05:30 AM	59.6	50.9	08:05 AM - 08:10 AM	59.4	51.8	10:45 AM - 10:50 AM	59.3	50.8
05:30 AM - 05:35 AM	58.2	49.4	08:10 AM - 08:15 AM	60.9	53.2	10:50 AM - 10:55 AM	60.7	48.5
05:35 AM - 05:40 AM	57.4	51.5	08:15 AM - 08:20 AM	59.6	50.8	10:55 AM - 11:00 AM	58.8	48.8
05:40 AM - 05:45 AM	57.4	51.7	08:20 AM - 08:25 AM	64.2	50.9	11:00 AM - 11:05 AM	60.1	50.9
05:45 AM - 05:50 AM	60.3	51.3	08:25 AM - 08:30 AM	66.9	51.0	11:05 AM - 11:10 AM	59.8	49.7
05:50 AM - 05:55 AM	59.1	52.5	08:30 AM - 08:35 AM	61.2	51.2	11:10 AM - 11:15 AM	56.8	49.2
05:55 AM - 06:00 AM	58.8	52.8	08:35 AM - 08:40 AM	60.5	50.1	11:15 AM - 11:20 AM	60.4	48.8
06:00 AM - 06:05 AM	60.1	52.3	08:40 AM - 08:45 AM	60.5	49.9	11:20 AM - 11:25 AM	59.1	49.8
06:05 AM - 06:10 AM	58.6	53.6	08:45 AM - 08:50 AM	59.3	48.7	11:25 AM - 11:30 AM	58.0	52.3
06:10 AM - 06:15 AM	61.4	53.1	08:50 AM - 08:55 AM	59.8	47.8	11:30 AM - 11:35 AM	63.2	47.9
06:15 AM - 06:20 AM	61.0	54.0	08:55 AM - 09:00 AM	61.5	52.5	11:35 AM - 11:40 AM	60.2	48.4
06:20 AM - 06:25 AM	59.5	53.2	09:00 AM - 09:05 AM	62.2	50.3	11:40 AM - 11:45 AM	59.7	51.7
06:25 AM - 06:30 AM	59.1	52.2	09:05 AM - 09:10 AM	57.3	49.3	11:45 AM - 11:50 AM	60.3	50.0
06:30 AM - 06:35 AM	62.0	54.2	09:10 AM - 09:15 AM	59.6	51.4	11:50 AM - 11:55 AM	59.5	49.2
06:35 AM - 06:40 AM	60.0	52.1	09:15 AM - 09:20 AM	61.8	50.7	11:55 AM - 12:00 PM	58.1	44.9

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Approved by

Sarayuth Jitranont  
Assistant General Manager



## Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230  
P/O : RJN-BW-012/65  
Project Name : Chonburi Bowin  
Project Location :

Lot ID: 22144022  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report Number : 2534270-1

Page 1 of 3

Sample Number 22144022-24  
Parameter Noise Level (Leq 5 min)  
Location N4 : ที่พักอาศัยบริเวณหมู่ 5 บ้านสุรศักดิ์  
Measurement Date Dec 21 - Dec 22, 2022  
Measurement by Jaradrawee Sriuksa ทะเบียนเลขที่ ว-323-จ-9483  
Sound Level meter Serial No. 597168

Dec 21, 2022 Time	Leq dB(A)	L90 dB(A)	Dec 21, 2022 Time	Leq dB(A)	L90 dB(A)	Dec 21, 2022 Time	Leq dB(A)	L90 dB(A)
12:00 PM - 12:05 PM	57.3	47.9	02:40 PM - 02:45 PM	59.5	50.2	05:20 PM - 05:25 PM	57.8	47.8
12:05 PM - 12:10 PM	57.2	49.1	02:45 PM - 02:50 PM	59.9	48.3	05:25 PM - 05:30 PM	55.7	47.2
12:10 PM - 12:15 PM	60.1	50.1	02:50 PM - 02:55 PM	58.6	48.7	05:30 PM - 05:35 PM	58.4	48.4
12:15 PM - 12:20 PM	59.0	51.5	02:55 PM - 03:00 PM	60.2	47.3	05:35 PM - 05:40 PM	57.9	47.7
12:20 PM - 12:25 PM	58.9	49.4	03:00 PM - 03:05 PM	58.4	48.0	05:40 PM - 05:45 PM	60.2	50.2
12:25 PM - 12:30 PM	58.0	48.4	03:05 PM - 03:10 PM	58.1	47.7	05:45 PM - 05:50 PM	59.4	50.1
12:30 PM - 12:35 PM	57.7	48.3	03:10 PM - 03:15 PM	60.0	48.6	05:50 PM - 05:55 PM	58.5	48.2
12:35 PM - 12:40 PM	56.2	48.6	03:15 PM - 03:20 PM	60.6	49.2	05:55 PM - 06:00 PM	56.1	47.9
12:40 PM - 12:45 PM	58.7	47.8	03:20 PM - 03:25 PM	61.7	49.1	06:00 PM - 06:05 PM	58.3	48.6
12:45 PM - 12:50 PM	60.1	50.0	03:25 PM - 03:30 PM	58.6	47.1	06:05 PM - 06:10 PM	55.9	48.2
12:50 PM - 12:55 PM	58.3	49.0	03:30 PM - 03:35 PM	60.3	48.1	06:10 PM - 06:15 PM	56.8	48.9
12:55 PM - 01:00 PM	60.5	44.3	03:35 PM - 03:40 PM	60.7	48.4	06:15 PM - 06:20 PM	57.7	50.6
01:00 PM - 01:05 PM	56.2	46.5	03:40 PM - 03:45 PM	57.8	47.0	06:20 PM - 06:25 PM	57.1	49.4
01:05 PM - 01:10 PM	60.5	50.2	03:45 PM - 03:50 PM	56.2	47.3	06:25 PM - 06:30 PM	57.7	50.5
01:10 PM - 01:15 PM	58.2	48.8	03:50 PM - 03:55 PM	62.6	48.4	06:30 PM - 06:35 PM	61.6	51.7
01:15 PM - 01:20 PM	59.0	45.6	03:55 PM - 04:00 PM	61.3	47.9	06:35 PM - 06:40 PM	56.5	51.2
01:20 PM - 01:25 PM	58.7	48.7	04:00 PM - 04:05 PM	55.3	45.9	06:40 PM - 06:45 PM	56.3	51.0
01:25 PM - 01:30 PM	58.1	47.4	04:05 PM - 04:10 PM	57.9	46.8	06:45 PM - 06:50 PM	55.9	51.7
01:30 PM - 01:35 PM	59.6	47.8	04:10 PM - 04:15 PM	58.3	46.0	06:50 PM - 06:55 PM	55.3	51.4
01:35 PM - 01:40 PM	62.2	49.1	04:15 PM - 04:20 PM	57.0	46.4	06:55 PM - 07:00 PM	57.4	50.9
01:40 PM - 01:45 PM	59.0	49.2	04:20 PM - 04:25 PM	63.1	46.8	07:00 PM - 07:05 PM	57.0	51.1
01:45 PM - 01:50 PM	59.3	46.7	04:25 PM - 04:30 PM	58.6	46.8	07:05 PM - 07:10 PM	60.9	51.1
01:50 PM - 01:55 PM	59.2	47.3	04:30 PM - 04:35 PM	58.6	48.2	07:10 PM - 07:15 PM	57.3	50.9
01:55 PM - 02:00 PM	59.7	47.5	04:35 PM - 04:40 PM	61.0	50.0	07:15 PM - 07:20 PM	56.7	51.1
02:00 PM - 02:05 PM	60.7	49.7	04:40 PM - 04:45 PM	57.8	49.0	07:20 PM - 07:25 PM	57.7	50.4
02:05 PM - 02:10 PM	61.5	50.4	04:45 PM - 04:50 PM	60.9	46.8	07:25 PM - 07:30 PM	54.6	48.5
02:10 PM - 02:15 PM	62.2	45.1	04:50 PM - 04:55 PM	59.3	48.2	07:30 PM - 07:35 PM	59.5	49.9
02:15 PM - 02:20 PM	58.4	46.5	04:55 PM - 05:00 PM	56.6	46.6	07:35 PM - 07:40 PM	56.8	49.2
02:20 PM - 02:25 PM	65.3	49.2	05:00 PM - 05:05 PM	58.5	48.8	07:40 PM - 07:45 PM	56.3	49.2
02:25 PM - 02:30 PM	60.6	49.0	05:05 PM - 05:10 PM	58.2	48.6	07:45 PM - 07:50 PM	59.6	48.7
02:30 PM - 02:35 PM	62.7	46.6	05:10 PM - 05:15 PM	57.3	48.0	07:50 PM - 07:55 PM	57.9	48.9
02:35 PM - 02:40 PM	56.3	47.0	05:15 PM - 05:20 PM	56.2	48.5	07:55 PM - 08:00 PM	55.1	48.3

Approved by

Sarayuth Jittrantont  
Assistant General Manager

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## Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230  
P/O : RJN-BW-012/65  
Project Name : Chonburi Bowin  
Project Location :

Lot ID: 22144022  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report Number : 2534270-1

Page 2 of 3

Sample Number 22144022-24  
Parameter Noise Level (Leq 5 min)  
Location N4 : ที่พักอาศัยบริเวณหมู่ 5 บ้านสุรศักดิ์  
Measurement Date Dec 21 - Dec 22, 2022  
Measurement by Jaradrawee Sriuksa ทะเบียนเลขที่ ๖-323-๖-9483  
Sound Level meter Serial No. 597168

Dec 21, 2022	Leq	L90	Dec 21 - Dec 22, 2022	Leq	L90	Dec 22, 2022	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
08:00 PM - 08:05 PM	55.1	48.7	10:40 PM - 10:45 PM	51.4	44.6	01:20 AM - 01:25 AM	57.6	46.6
08:05 PM - 08:10 PM	54.3	47.8	10:45 PM - 10:50 PM	54.5	45.1	01:25 AM - 01:30 AM	51.5	45.8
08:10 PM - 08:15 PM	58.3	49.2	10:50 PM - 10:55 PM	52.1	45.6	01:30 AM - 01:35 AM	53.4	45.7
08:15 PM - 08:20 PM	52.9	47.0	10:55 PM - 11:00 PM	53.1	44.7	01:35 AM - 01:40 AM	51.5	45.8
08:20 PM - 08:25 PM	55.4	47.9	11:00 PM - 11:05 PM	51.3	45.5	01:40 AM - 01:45 AM	52.6	45.4
08:25 PM - 08:30 PM	53.7	47.7	11:05 PM - 11:10 PM	52.7	44.8	01:45 AM - 01:50 AM	49.6	44.5
08:30 PM - 08:35 PM	52.3	46.8	11:10 PM - 11:15 PM	53.4	45.1	01:50 AM - 01:55 AM	48.1	44.2
08:35 PM - 08:40 PM	69.2	46.8	11:15 PM - 11:20 PM	51.9	45.2	01:55 AM - 02:00 AM	50.5	44.5
08:40 PM - 08:45 PM	54.3	45.9	11:20 PM - 11:25 PM	52.0	45.7	02:00 AM - 02:05 AM	50.2	43.9
08:45 PM - 08:50 PM	54.0	47.5	11:25 PM - 11:30 PM	55.4	46.5	02:05 AM - 02:10 AM	52.6	44.2
08:50 PM - 08:55 PM	55.2	46.5	11:30 PM - 11:35 PM	53.0	44.5	02:10 AM - 02:15 AM	49.8	43.3
08:55 PM - 09:00 PM	55.3	47.4	11:35 PM - 11:40 PM	48.5	44.1	02:15 AM - 02:20 AM	54.0	44.0
09:00 PM - 09:05 PM	56.9	47.4	11:40 PM - 11:45 PM	54.4	44.5	02:20 AM - 02:25 AM	46.9	44.1
09:05 PM - 09:10 PM	56.4	47.9	11:45 PM - 11:50 PM	51.7	44.8	02:25 AM - 02:30 AM	50.1	44.6
09:10 PM - 09:15 PM	55.8	47.7	11:50 PM - 11:55 PM	49.5	44.0	02:30 AM - 02:35 AM	51.0	44.5
09:15 PM - 09:20 PM	55.4	46.8	11:55 PM - 12:00 AM	48.7	44.1	02:35 AM - 02:40 AM	47.5	44.0
09:20 PM - 09:25 PM	54.5	47.9	12:00 AM - 12:05 AM	51.7	44.2	02:40 AM - 02:45 AM	50.9	44.3
09:25 PM - 09:30 PM	53.5	47.7	12:05 AM - 12:10 AM	52.6	44.5	02:45 AM - 02:50 AM	53.1	45.3
09:30 PM - 09:35 PM	52.8	46.5	12:10 AM - 12:15 AM	47.2	43.5	02:50 AM - 02:55 AM	52.6	44.9
09:35 PM - 09:40 PM	55.2	47.8	12:15 AM - 12:20 AM	51.6	43.7	02:55 AM - 03:00 AM	54.7	44.8
09:40 PM - 09:45 PM	55.7	48.0	12:20 AM - 12:25 AM	52.7	44.4	03:00 AM - 03:05 AM	51.1	44.3
09:45 PM - 09:50 PM	56.3	48.1	12:25 AM - 12:30 AM	50.8	44.4	03:05 AM - 03:10 AM	52.7	44.8
09:50 PM - 09:55 PM	59.0	46.8	12:30 AM - 12:35 AM	51.1	44.3	03:10 AM - 03:15 AM	50.7	45.4
09:55 PM - 10:00 PM	54.7	45.7	12:35 AM - 12:40 AM	52.5	45.0	03:15 AM - 03:20 AM	51.5	44.9
10:00 PM - 10:05 PM	54.2	46.2	12:40 AM - 12:45 AM	49.4	45.0	03:20 AM - 03:25 AM	55.1	45.8
10:05 PM - 10:10 PM	53.2	46.7	12:45 AM - 12:50 AM	51.6	45.0	03:25 AM - 03:30 AM	52.1	44.8
10:10 PM - 10:15 PM	50.0	45.4	12:50 AM - 12:55 AM	49.3	45.1	03:30 AM - 03:35 AM	51.6	44.9
10:15 PM - 10:20 PM	52.9	46.1	12:55 AM - 01:00 AM	52.1	45.9	03:35 AM - 03:40 AM	55.6	46.5
10:20 PM - 10:25 PM	53.4	45.4	01:00 AM - 01:05 AM	56.1	46.6	03:40 AM - 03:45 AM	52.6	45.8
10:25 PM - 10:30 PM	50.5	45.3	01:05 AM - 01:10 AM	53.8	46.8	03:45 AM - 03:50 AM	51.5	45.9
10:30 PM - 10:35 PM	50.7	45.0	01:10 AM - 01:15 AM	48.4	46.1	03:50 AM - 03:55 AM	53.7	46.2
10:35 PM - 10:40 PM	52.2	45.7	01:15 AM - 01:20 AM	51.0	46.4	03:55 AM - 04:00 AM	54.6	46.6

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Approved by

Sarayuth Jittrantont  
Assistant General Manager



## Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230  
P/O : RJN-BW-012/65  
Project Name : Chonburi Bowin  
Project Location :

Lot ID: 22144022  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report Number : 2534270-1

Page 3 of 3

Sample Number 22144022-24  
Parameter Noise Level (Leq 5 min)  
Location N4 : ที่พักอาศัยบริเวณหมู่ 5 บ้านสุรศักดิ์  
Measurement Date Dec 21 - Dec 22, 2022  
Measurement by Jaradrawee Sriuksa ทะเบียนเลขที่ ว-323-จ-9483  
Sound Level meter Serial No. 597168

Dec 22, 2022	Leq	L90	Dec 22, 2022	Leq	L90	Dec 22, 2022	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
04:00 AM - 04:05 AM	54.6	46.1	06:40 AM - 06:45 AM	58.6	52.8	09:20 AM - 09:25 AM	59.9	51.7
04:05 AM - 04:10 AM	51.7	46.1	06:45 AM - 06:50 AM	60.1	53.3	09:25 AM - 09:30 AM	59.1	50.9
04:10 AM - 04:15 AM	53.9	46.4	06:50 AM - 06:55 AM	60.3	52.8	09:30 AM - 09:35 AM	60.1	51.9
04:15 AM - 04:20 AM	55.4	46.8	06:55 AM - 07:00 AM	58.4	53.7	09:35 AM - 09:40 AM	61.0	49.9
04:20 AM - 04:25 AM	53.5	45.8	07:00 AM - 07:05 AM	60.6	54.2	09:40 AM - 09:45 AM	59.8	51.5
04:25 AM - 04:30 AM	56.5	45.5	07:05 AM - 07:10 AM	62.2	54.0	09:45 AM - 09:50 AM	59.2	51.0
04:30 AM - 04:35 AM	54.9	46.2	07:10 AM - 07:15 AM	60.2	53.8	09:50 AM - 09:55 AM	56.9	48.3
04:35 AM - 04:40 AM	53.3	46.7	07:15 AM - 07:20 AM	61.9	54.2	09:55 AM - 10:00 AM	59.8	53.3
04:40 AM - 04:45 AM	53.2	46.7	07:20 AM - 07:25 AM	60.3	53.0	10:00 AM - 10:05 AM	60.3	52.5
04:45 AM - 04:50 AM	56.3	47.1	07:25 AM - 07:30 AM	58.8	51.5	10:05 AM - 10:10 AM	59.8	50.8
04:50 AM - 04:55 AM	56.3	47.0	07:30 AM - 07:35 AM	57.8	50.9	10:10 AM - 10:15 AM	60.4	50.5
04:55 AM - 05:00 AM	57.5	46.5	07:35 AM - 07:40 AM	60.7	51.8	10:15 AM - 10:20 AM	57.5	50.7
05:00 AM - 05:05 AM	56.8	46.9	07:40 AM - 07:45 AM	59.9	52.6	10:20 AM - 10:25 AM	59.1	50.9
05:05 AM - 05:10 AM	56.7	47.9	07:45 AM - 07:50 AM	58.7	52.4	10:25 AM - 10:30 AM	61.9	49.6
05:10 AM - 05:15 AM	56.8	48.1	07:50 AM - 07:55 AM	62.6	49.9	10:30 AM - 10:35 AM	60.7	52.0
05:15 AM - 05:20 AM	55.8	47.5	07:55 AM - 08:00 AM	64.8	52.4	10:35 AM - 10:40 AM	60.1	52.5
05:20 AM - 05:25 AM	57.0	48.4	08:00 AM - 08:05 AM	60.7	52.6	10:40 AM - 10:45 AM	59.5	49.6
05:25 AM - 05:30 AM	58.7	48.6	08:05 AM - 08:10 AM	59.9	51.5	10:45 AM - 10:50 AM	59.9	50.3
05:30 AM - 05:35 AM	58.0	50.3	08:10 AM - 08:15 AM	58.7	49.0	10:50 AM - 10:55 AM	61.4	50.2
05:35 AM - 05:40 AM	63.1	51.0	08:15 AM - 08:20 AM	59.6	50.6	10:55 AM - 11:00 AM	59.8	50.0
05:40 AM - 05:45 AM	56.6	49.3	08:20 AM - 08:25 AM	60.1	51.3	11:00 AM - 11:05 AM	61.5	49.5
05:45 AM - 05:50 AM	59.7	50.5	08:25 AM - 08:30 AM	59.5	50.7	11:05 AM - 11:10 AM	57.7	46.7
05:50 AM - 05:55 AM	59.1	50.2	08:30 AM - 08:35 AM	61.1	51.6	11:10 AM - 11:15 AM	57.8	46.8
05:55 AM - 06:00 AM	59.9	52.1	08:35 AM - 08:40 AM	60.2	53.3	11:15 AM - 11:20 AM	58.3	48.1
06:00 AM - 06:05 AM	59.8	52.9	08:40 AM - 08:45 AM	59.3	50.7	11:20 AM - 11:25 AM	58.4	48.1
06:05 AM - 06:10 AM	59.7	51.3	08:45 AM - 08:50 AM	61.7	52.3	11:25 AM - 11:30 AM	61.0	50.2
06:10 AM - 06:15 AM	59.5	52.3	08:50 AM - 08:55 AM	59.0	51.7	11:30 AM - 11:35 AM	61.3	51.1
06:15 AM - 06:20 AM	60.8	52.2	08:55 AM - 09:00 AM	61.0	50.2	11:35 AM - 11:40 AM	58.7	47.5
06:20 AM - 06:25 AM	59.4	53.6	09:00 AM - 09:05 AM	60.0	50.6	11:40 AM - 11:45 AM	58.5	47.0
06:25 AM - 06:30 AM	61.7	54.5	09:05 AM - 09:10 AM	59.0	52.0	11:45 AM - 11:50 AM	59.0	48.2
06:30 AM - 06:35 AM	59.0	52.9	09:10 AM - 09:15 AM	62.2	52.4	11:50 AM - 11:55 AM	60.6	48.7
06:35 AM - 06:40 AM	60.0	53.2	09:15 AM - 09:20 AM	59.8	52.3	11:55 AM - 12:00 PM	57.5	47.9

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Approved by

Sarayuth Jitranont  
Assistant General Manager



## Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230  
P/O : RJN-BW-012/65  
Project Name : Chonburi Bowin  
Project Location :

Lot ID: 22144022  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report Number : 2534271-1

Page 1 of 3

Sample Number 22144022-25  
Parameter Noise Level (Leq 5 min)  
Location N4 : ที่พักอาศัยบริเวณหมู่ 5 บ้านสุรศักดิ์  
Measurement Date Dec 22 - Dec 23, 2022  
Measurement by Jaradrawee Sriuksa ทะเบียนเลขที่ ว-323-จ-9483  
Sound Level meter Serial No. 597168

Dec 22, 2022 Time	Leq dB(A)	L90 dB(A)	Dec 22, 2022 Time	Leq dB(A)	L90 dB(A)	Dec 22, 2022 Time	Leq dB(A)	L90 dB(A)
12:00 PM - 12:05 PM	59.9	46.9	02:40 PM - 02:45 PM	55.2	45.6	05:20 PM - 05:25 PM	56.9	48.6
12:05 PM - 12:10 PM	62.6	46.3	02:45 PM - 02:50 PM	58.3	45.0	05:25 PM - 05:30 PM	60.4	48.3
12:10 PM - 12:15 PM	58.4	46.6	02:50 PM - 02:55 PM	56.4	44.0	05:30 PM - 05:35 PM	55.9	47.9
12:15 PM - 12:20 PM	58.8	42.7	02:55 PM - 03:00 PM	58.3	43.8	05:35 PM - 05:40 PM	56.9	48.1
12:20 PM - 12:25 PM	55.6	44.9	03:00 PM - 03:05 PM	58.1	44.8	05:40 PM - 05:45 PM	56.7	48.6
12:25 PM - 12:30 PM	58.6	48.1	03:05 PM - 03:10 PM	56.3	44.8	05:45 PM - 05:50 PM	58.2	50.0
12:30 PM - 12:35 PM	58.5	46.9	03:10 PM - 03:15 PM	57.8	44.0	05:50 PM - 05:55 PM	59.0	49.3
12:35 PM - 12:40 PM	56.0	45.9	03:15 PM - 03:20 PM	57.2	45.6	05:55 PM - 06:00 PM	55.2	48.2
12:40 PM - 12:45 PM	59.5	48.2	03:20 PM - 03:25 PM	57.5	46.1	06:00 PM - 06:05 PM	57.9	49.0
12:45 PM - 12:50 PM	57.9	45.9	03:25 PM - 03:30 PM	61.7	46.7	06:05 PM - 06:10 PM	55.6	48.8
12:50 PM - 12:55 PM	57.0	47.2	03:30 PM - 03:35 PM	63.7	44.5	06:10 PM - 06:15 PM	56.1	50.0
12:55 PM - 01:00 PM	60.4	49.5	03:35 PM - 03:40 PM	57.4	45.3	06:15 PM - 06:20 PM	59.4	50.8
01:00 PM - 01:05 PM	58.6	46.3	03:40 PM - 03:45 PM	57.4	47.1	06:20 PM - 06:25 PM	54.8	49.5
01:05 PM - 01:10 PM	60.2	48.6	03:45 PM - 03:50 PM	58.1	45.5	06:25 PM - 06:30 PM	56.6	50.6
01:10 PM - 01:15 PM	58.7	48.1	03:50 PM - 03:55 PM	65.1	45.8	06:30 PM - 06:35 PM	61.4	50.0
01:15 PM - 01:20 PM	59.3	47.9	03:55 PM - 04:00 PM	63.9	45.8	06:35 PM - 06:40 PM	58.1	48.8
01:20 PM - 01:25 PM	59.1	50.8	04:00 PM - 04:05 PM	59.1	48.4	06:40 PM - 06:45 PM	58.5	50.5
01:25 PM - 01:30 PM	58.8	44.5	04:05 PM - 04:10 PM	58.9	45.4	06:45 PM - 06:50 PM	55.6	49.9
01:30 PM - 01:35 PM	58.6	45.2	04:10 PM - 04:15 PM	57.5	47.2	06:50 PM - 06:55 PM	56.1	50.1
01:35 PM - 01:40 PM	60.6	50.0	04:15 PM - 04:20 PM	56.5	45.9	06:55 PM - 07:00 PM	57.1	49.3
01:40 PM - 01:45 PM	58.2	47.4	04:20 PM - 04:25 PM	55.6	47.1	07:00 PM - 07:05 PM	59.0	47.8
01:45 PM - 01:50 PM	59.3	46.5	04:25 PM - 04:30 PM	57.8	47.0	07:05 PM - 07:10 PM	57.4	50.1
01:50 PM - 01:55 PM	55.4	45.6	04:30 PM - 04:35 PM	57.3	46.4	07:10 PM - 07:15 PM	55.1	48.2
01:55 PM - 02:00 PM	58.0	45.9	04:35 PM - 04:40 PM	59.2	47.8	07:15 PM - 07:20 PM	56.7	48.8
02:00 PM - 02:05 PM	61.8	43.8	04:40 PM - 04:45 PM	59.6	48.8	07:20 PM - 07:25 PM	55.5	48.2
02:05 PM - 02:10 PM	57.1	43.5	04:45 PM - 04:50 PM	60.2	47.9	07:25 PM - 07:30 PM	56.8	48.4
02:10 PM - 02:15 PM	59.1	45.5	04:50 PM - 04:55 PM	57.7	47.5	07:30 PM - 07:35 PM	60.3	48.8
02:15 PM - 02:20 PM	57.9	46.7	04:55 PM - 05:00 PM	57.8	48.3	07:35 PM - 07:40 PM	54.0	48.3
02:20 PM - 02:25 PM	59.1	48.0	05:00 PM - 05:05 PM	56.8	47.8	07:40 PM - 07:45 PM	58.9	49.9
02:25 PM - 02:30 PM	57.4	46.4	05:05 PM - 05:10 PM	56.0	47.4	07:45 PM - 07:50 PM	56.9	49.7
02:30 PM - 02:35 PM	60.3	49.1	05:10 PM - 05:15 PM	59.5	48.0	07:50 PM - 07:55 PM	55.8	49.4
02:35 PM - 02:40 PM	58.3	45.6	05:15 PM - 05:20 PM	56.1	48.9	07:55 PM - 08:00 PM	55.5	49.4

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Approved by

Sarayuth Jittrantont  
Assistant General Manager



## Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230  
P/O : RJN-BW-012/65  
Project Name : Chonburi Bowin  
Project Location :

Lot ID: 22144022  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report Number : 2534271-1

Page 2 of 3

Sample Number 22144022-25  
Parameter Noise Level (Leq 5 min)  
Location N4 : ที่พักอาศัยบริเวณหมู่ 5 บ้านสุรศักดิ์  
Measurement Date Dec 22 - Dec 23, 2022  
Measurement by Jaradrawee Sriuksa ทะเบียนเลขที่ ว-323-จ-9483  
Sound Level meter Serial No. 597168

Dec 22, 2022	Leq	L90	Dec 22 - Dec 23, 2022	Leq	L90	Dec 23, 2022	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
08:00 PM - 08:05 PM	58.2	49.5	10:40 PM - 10:45 PM	53.9	45.6	01:20 AM - 01:25 AM	52.2	45.3
08:05 PM - 08:10 PM	58.8	48.8	10:45 PM - 10:50 PM	55.9	45.3	01:25 AM - 01:30 AM	51.3	44.3
08:10 PM - 08:15 PM	57.9	48.6	10:50 PM - 10:55 PM	50.9	45.3	01:30 AM - 01:35 AM	55.2	44.2
08:15 PM - 08:20 PM	55.9	48.3	10:55 PM - 11:00 PM	54.7	45.0	01:35 AM - 01:40 AM	53.7	44.0
08:20 PM - 08:25 PM	54.8	47.0	11:00 PM - 11:05 PM	57.5	45.1	01:40 AM - 01:45 AM	53.5	44.7
08:25 PM - 08:30 PM	53.3	46.6	11:05 PM - 11:10 PM	56.4	45.3	01:45 AM - 01:50 AM	51.9	44.7
08:30 PM - 08:35 PM	51.9	46.0	11:10 PM - 11:15 PM	53.5	45.0	01:50 AM - 01:55 AM	49.4	43.9
08:35 PM - 08:40 PM	54.9	46.5	11:15 PM - 11:20 PM	52.7	44.4	01:55 AM - 02:00 AM	57.0	43.6
08:40 PM - 08:45 PM	55.1	46.9	11:20 PM - 11:25 PM	51.6	44.2	02:00 AM - 02:05 AM	50.4	43.8
08:45 PM - 08:50 PM	57.0	47.8	11:25 PM - 11:30 PM	53.9	45.1	02:05 AM - 02:10 AM	56.6	44.5
08:50 PM - 08:55 PM	55.7	46.4	11:30 PM - 11:35 PM	49.6	43.8	02:10 AM - 02:15 AM	50.9	44.6
08:55 PM - 09:00 PM	53.4	45.3	11:35 PM - 11:40 PM	53.3	44.3	02:15 AM - 02:20 AM	57.9	45.2
09:00 PM - 09:05 PM	56.4	46.4	11:40 PM - 11:45 PM	48.9	44.2	02:20 AM - 02:25 AM	53.4	45.1
09:05 PM - 09:10 PM	55.7	46.8	11:45 PM - 11:50 PM	51.9	44.4	02:25 AM - 02:30 AM	52.8	43.7
09:10 PM - 09:15 PM	53.7	46.0	11:50 PM - 11:55 PM	54.5	45.3	02:30 AM - 02:35 AM	48.9	43.3
09:15 PM - 09:20 PM	55.1	45.8	11:55 PM - 12:00 AM	47.2	44.9	02:35 AM - 02:40 AM	52.4	44.1
09:20 PM - 09:25 PM	53.4	45.7	12:00 AM - 12:05 AM	48.4	44.5	02:40 AM - 02:45 AM	50.6	44.0
09:25 PM - 09:30 PM	55.3	46.3	12:05 AM - 12:10 AM	52.1	45.3	02:45 AM - 02:50 AM	52.5	44.6
09:30 PM - 09:35 PM	53.5	45.7	12:10 AM - 12:15 AM	51.7	45.1	02:50 AM - 02:55 AM	51.0	43.1
09:35 PM - 09:40 PM	54.7	46.5	12:15 AM - 12:20 AM	47.0	44.6	02:55 AM - 03:00 AM	51.9	44.7
09:40 PM - 09:45 PM	55.3	45.7	12:20 AM - 12:25 AM	51.9	44.9	03:00 AM - 03:05 AM	55.3	44.2
09:45 PM - 09:50 PM	54.2	46.0	12:25 AM - 12:30 AM	53.4	45.4	03:05 AM - 03:10 AM	54.4	44.2
09:50 PM - 09:55 PM	54.5	46.8	12:30 AM - 12:35 AM	47.7	44.3	03:10 AM - 03:15 AM	54.2	44.1
09:55 PM - 10:00 PM	54.4	45.6	12:35 AM - 12:40 AM	53.1	45.0	03:15 AM - 03:20 AM	53.8	45.3
10:00 PM - 10:05 PM	53.6	46.4	12:40 AM - 12:45 AM	57.7	45.0	03:20 AM - 03:25 AM	52.5	44.6
10:05 PM - 10:10 PM	51.9	45.1	12:45 AM - 12:50 AM	49.1	44.9	03:25 AM - 03:30 AM	54.8	44.5
10:10 PM - 10:15 PM	54.3	45.5	12:50 AM - 12:55 AM	55.7	44.3	03:30 AM - 03:35 AM	52.2	43.8
10:15 PM - 10:20 PM	51.4	44.8	12:55 AM - 01:00 AM	48.9	44.5	03:35 AM - 03:40 AM	54.0	44.0
10:20 PM - 10:25 PM	51.9	44.8	01:00 AM - 01:05 AM	54.9	45.5	03:40 AM - 03:45 AM	52.9	45.3
10:25 PM - 10:30 PM	54.2	44.7	01:05 AM - 01:10 AM	52.8	45.8	03:45 AM - 03:50 AM	55.6	45.3
10:30 PM - 10:35 PM	50.3	44.8	01:10 AM - 01:15 AM	50.2	44.7	03:50 AM - 03:55 AM	56.6	46.1
10:35 PM - 10:40 PM	53.1	45.1	01:15 AM - 01:20 AM	53.1	44.9	03:55 AM - 04:00 AM	55.1	45.4

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Approved by

Sarayuth Jittrantont  
Assistant General Manager



## Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.  
 168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230  
 P/O : RJN-BW-012/65  
 Project Name : Chonburi Bowin  
 Project Location :

Lot ID: 22144022  
 Date Received : Dec 28, 2022  
 Date Reported : Jan 04, 2023  
 Report Number : 2534271-1

Page 3 of 3

Sample Number 22144022-25  
 Parameter Noise Level (Leq 5 min)  
 Location N4 : ที่พักอาศัยบริเวณหมู่ 5 บ้านสุรศักดิ์  
 Measurement Date Dec 22 - Dec 23, 2022  
 Measurement by Jaradrawee Sriuksa ทะเบียนเลขที่ ว-323-จ-9483  
 Sound Level meter Serial No. 597168

Dec 23, 2022 Time	Leq dB(A)	L90 dB(A)	Dec 23, 2022 Time	Leq dB(A)	L90 dB(A)	Dec 23, 2022 Time	Leq dB(A)	L90 dB(A)
04:00 AM - 04:05 AM	52.2	46.1	06:40 AM - 06:45 AM	59.9	53.2	09:20 AM - 09:25 AM	59.9	49.2
04:05 AM - 04:10 AM	54.2	46.8	06:45 AM - 06:50 AM	59.7	51.9	09:25 AM - 09:30 AM	55.9	45.5
04:10 AM - 04:15 AM	55.2	46.9	06:50 AM - 06:55 AM	60.7	51.0	09:30 AM - 09:35 AM	55.9	44.0
04:15 AM - 04:20 AM	57.8	46.6	06:55 AM - 07:00 AM	59.1	52.3	09:35 AM - 09:40 AM	62.2	49.8
04:20 AM - 04:25 AM	55.4	46.8	07:00 AM - 07:05 AM	60.1	52.1	09:40 AM - 09:45 AM	58.4	48.7
04:25 AM - 04:30 AM	53.1	45.9	07:05 AM - 07:10 AM	59.7	51.1	09:45 AM - 09:50 AM	60.8	48.4
04:30 AM - 04:35 AM	57.5	46.9	07:10 AM - 07:15 AM	58.6	50.2	09:50 AM - 09:55 AM	58.3	45.4
04:35 AM - 04:40 AM	58.1	47.4	07:15 AM - 07:20 AM	59.3	52.1	09:55 AM - 10:00 AM	60.6	51.8
04:40 AM - 04:45 AM	56.4	47.0	07:20 AM - 07:25 AM	59.7	51.0	10:00 AM - 10:05 AM	60.8	48.3
04:45 AM - 04:50 AM	56.0	48.6	07:25 AM - 07:30 AM	64.1	51.1	10:05 AM - 10:10 AM	58.7	47.9
04:50 AM - 04:55 AM	55.4	46.5	07:30 AM - 07:35 AM	60.7	50.2	10:10 AM - 10:15 AM	59.9	44.2
04:55 AM - 05:00 AM	58.3	47.4	07:35 AM - 07:40 AM	60.2	49.3	10:15 AM - 10:20 AM	62.4	46.7
05:00 AM - 05:05 AM	55.6	45.1	07:40 AM - 07:45 AM	60.7	51.9	10:20 AM - 10:25 AM	59.3	48.8
05:05 AM - 05:10 AM	56.7	46.0	07:45 AM - 07:50 AM	57.2	49.2	10:25 AM - 10:30 AM	59.8	48.2
05:10 AM - 05:15 AM	57.1	47.7	07:50 AM - 07:55 AM	57.0	46.8	10:30 AM - 10:35 AM	58.9	46.9
05:15 AM - 05:20 AM	59.5	47.0	07:55 AM - 08:00 AM	59.5	50.1	10:35 AM - 10:40 AM	61.0	45.9
05:20 AM - 05:25 AM	60.5	47.3	08:00 AM - 08:05 AM	59.2	49.4	10:40 AM - 10:45 AM	58.0	47.3
05:25 AM - 05:30 AM	57.0	48.7	08:05 AM - 08:10 AM	60.9	49.0	10:45 AM - 10:50 AM	60.1	46.4
05:30 AM - 05:35 AM	59.8	47.7	08:10 AM - 08:15 AM	62.3	50.4	10:50 AM - 10:55 AM	60.0	49.2
05:35 AM - 05:40 AM	57.3	48.5	08:15 AM - 08:20 AM	60.2	51.5	10:55 AM - 11:00 AM	56.5	46.1
05:40 AM - 05:45 AM	56.7	48.9	08:20 AM - 08:25 AM	59.3	49.8	11:00 AM - 11:05 AM	61.1	46.4
05:45 AM - 05:50 AM	58.3	50.0	08:25 AM - 08:30 AM	57.7	47.3	11:05 AM - 11:10 AM	59.5	46.3
05:50 AM - 05:55 AM	58.9	51.2	08:30 AM - 08:35 AM	61.3	47.8	11:10 AM - 11:15 AM	63.0	45.1
05:55 AM - 06:00 AM	59.9	51.0	08:35 AM - 08:40 AM	57.7	47.9	11:15 AM - 11:20 AM	58.6	45.3
06:00 AM - 06:05 AM	59.3	51.1	08:40 AM - 08:45 AM	60.2	48.2	11:20 AM - 11:25 AM	57.0	47.4
06:05 AM - 06:10 AM	59.7	51.7	08:45 AM - 08:50 AM	59.9	48.9	11:25 AM - 11:30 AM	60.4	48.8
06:10 AM - 06:15 AM	59.5	53.6	08:50 AM - 08:55 AM	59.5	49.1	11:30 AM - 11:35 AM	60.8	50.3
06:15 AM - 06:20 AM	59.6	52.9	08:55 AM - 09:00 AM	58.7	49.9	11:35 AM - 11:40 AM	59.5	50.4
06:20 AM - 06:25 AM	61.1	52.3	09:00 AM - 09:05 AM	61.0	51.0	11:40 AM - 11:45 AM	57.4	47.6
06:25 AM - 06:30 AM	60.0	52.6	09:05 AM - 09:10 AM	62.4	48.9	11:45 AM - 11:50 AM	56.9	46.7
06:30 AM - 06:35 AM	60.6	53.4	09:10 AM - 09:15 AM	63.0	49.5	11:50 AM - 11:55 AM	56.4	44.0
06:35 AM - 06:40 AM	60.3	51.3	09:15 AM - 09:20 AM	59.0	46.2	11:55 AM - 12:00 PM	59.9	45.6

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Approved by

Sarayuth Jittrantont  
 Assistant General Manager





## Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230  
P/O : RJN-BW-012/65  
Project Name : Chonburi Bowin  
Project Location :

Lot ID: 22144022  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report Number : 2534272-1

Page 1 of 3

Sample Number 22144022-26  
Parameter Noise Level (Leq 5 min)  
Location N4 : ที่พักอาศัยบริเวณหมู่ 5 บ้านสุรศักดิ์  
Measurement Date Dec 23 - Dec 24, 2022  
Measurement by Jaradrawee Sriuksa ทะเบียนเลขที่ ว-323-จ-9483  
Sound Level meter Serial No. 597168

Dec 23, 2022 Time	Leq dB(A)	L90 dB(A)	Dec 23, 2022 Time	Leq dB(A)	L90 dB(A)	Dec 23, 2022 Time	Leq dB(A)	L90 dB(A)
12:00 PM - 12:05 PM	60.2	48.7	02:40 PM - 02:45 PM	58.7	48.6	05:20 PM - 05:25 PM	57.6	50.7
12:05 PM - 12:10 PM	60.4	46.4	02:45 PM - 02:50 PM	59.5	46.7	05:25 PM - 05:30 PM	56.3	48.7
12:10 PM - 12:15 PM	62.8	46.4	02:50 PM - 02:55 PM	58.4	49.9	05:30 PM - 05:35 PM	56.3	49.2
12:15 PM - 12:20 PM	57.4	46.9	02:55 PM - 03:00 PM	59.5	46.5	05:35 PM - 05:40 PM	58.7	48.6
12:20 PM - 12:25 PM	61.8	45.8	03:00 PM - 03:05 PM	58.0	47.7	05:40 PM - 05:45 PM	57.2	49.6
12:25 PM - 12:30 PM	56.3	41.8	03:05 PM - 03:10 PM	61.7	50.9	05:45 PM - 05:50 PM	59.0	49.3
12:30 PM - 12:35 PM	53.7	41.3	03:10 PM - 03:15 PM	60.3	48.5	05:50 PM - 05:55 PM	57.2	49.7
12:35 PM - 12:40 PM	62.9	46.7	03:15 PM - 03:20 PM	58.3	47.2	05:55 PM - 06:00 PM	63.2	49.1
12:40 PM - 12:45 PM	59.4	44.5	03:20 PM - 03:25 PM	59.8	46.4	06:00 PM - 06:05 PM	56.7	50.8
12:45 PM - 12:50 PM	63.5	46.0	03:25 PM - 03:30 PM	55.1	45.6	06:05 PM - 06:10 PM	58.4	49.6
12:50 PM - 12:55 PM	57.6	45.2	03:30 PM - 03:35 PM	59.5	47.1	06:10 PM - 06:15 PM	56.7	49.2
12:55 PM - 01:00 PM	59.2	48.3	03:35 PM - 03:40 PM	55.8	46.0	06:15 PM - 06:20 PM	53.5	49.2
01:00 PM - 01:05 PM	57.0	44.0	03:40 PM - 03:45 PM	57.0	48.3	06:20 PM - 06:25 PM	57.7	50.3
01:05 PM - 01:10 PM	59.1	46.7	03:45 PM - 03:50 PM	60.7	48.2	06:25 PM - 06:30 PM	56.3	49.8
01:10 PM - 01:15 PM	57.1	47.7	03:50 PM - 03:55 PM	60.8	48.6	06:30 PM - 06:35 PM	57.5	50.5
01:15 PM - 01:20 PM	59.5	44.9	03:55 PM - 04:00 PM	61.2	46.9	06:35 PM - 06:40 PM	54.7	49.5
01:20 PM - 01:25 PM	59.0	47.5	04:00 PM - 04:05 PM	58.7	48.9	06:40 PM - 06:45 PM	58.7	50.3
01:25 PM - 01:30 PM	56.8	45.9	04:05 PM - 04:10 PM	60.6	48.5	06:45 PM - 06:50 PM	56.4	49.5
01:30 PM - 01:35 PM	57.3	45.7	04:10 PM - 04:15 PM	57.5	46.9	06:50 PM - 06:55 PM	56.1	48.9
01:35 PM - 01:40 PM	58.5	48.3	04:15 PM - 04:20 PM	58.5	48.8	06:55 PM - 07:00 PM	56.3	49.7
01:40 PM - 01:45 PM	56.4	46.9	04:20 PM - 04:25 PM	59.3	48.1	07:00 PM - 07:05 PM	54.6	49.1
01:45 PM - 01:50 PM	58.1	47.8	04:25 PM - 04:30 PM	57.8	48.9	07:05 PM - 07:10 PM	55.2	48.6
01:50 PM - 01:55 PM	57.4	45.8	04:30 PM - 04:35 PM	61.7	50.5	07:10 PM - 07:15 PM	55.8	49.0
01:55 PM - 02:00 PM	57.9	48.2	04:35 PM - 04:40 PM	56.9	49.4	07:15 PM - 07:20 PM	56.4	48.6
02:00 PM - 02:05 PM	57.7	47.6	04:40 PM - 04:45 PM	56.9	49.4	07:20 PM - 07:25 PM	60.2	48.8
02:05 PM - 02:10 PM	59.7	48.0	04:45 PM - 04:50 PM	59.5	51.2	07:25 PM - 07:30 PM	57.1	48.9
02:10 PM - 02:15 PM	58.9	47.4	04:50 PM - 04:55 PM	57.5	50.6	07:30 PM - 07:35 PM	56.5	48.9
02:15 PM - 02:20 PM	57.1	46.8	04:55 PM - 05:00 PM	58.1	50.2	07:35 PM - 07:40 PM	56.2	48.6
02:20 PM - 02:25 PM	59.4	49.1	05:00 PM - 05:05 PM	58.7	49.0	07:40 PM - 07:45 PM	54.6	48.5
02:25 PM - 02:30 PM	57.5	46.8	05:05 PM - 05:10 PM	56.1	48.8	07:45 PM - 07:50 PM	62.2	49.5
02:30 PM - 02:35 PM	57.9	47.9	05:10 PM - 05:15 PM	56.4	50.5	07:50 PM - 07:55 PM	63.0	48.2
02:35 PM - 02:40 PM	60.5	51.5	05:15 PM - 05:20 PM	56.9	49.1	07:55 PM - 08:00 PM	54.5	48.7

Approved by

Sarayuth Jittrantont  
Assistant General Manager

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## Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230  
P/O : RJN-BW-012/65  
Project Name : Chonburi Bowin  
Project Location :

Lot ID: 22144022  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report Number : 2534272-1

Page 2 of 3

Sample Number 22144022-26  
Parameter Noise Level (Leq 5 min)  
Location N4 : ที่พักอาศัยบริเวณหมู่ 5 บ้านสุรศักดิ์  
Measurement Date Dec 23 - Dec 24, 2022  
Measurement by Jaradrawee Sriuksa ทะเบียนเลขที่ ว-323-จ-9483  
Sound Level meter Serial No. 597168

Dec 23, 2022	Leq	L90	Dec 23 - Dec 24, 2022	Leq	L90	Dec 24, 2022	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
08:00 PM - 08:05 PM	54.2	47.1	10:40 PM - 10:45 PM	55.4	46.4	01:20 AM - 01:25 AM	52.6	44.9
08:05 PM - 08:10 PM	55.7	47.7	10:45 PM - 10:50 PM	52.9	46.3	01:25 AM - 01:30 AM	50.7	44.9
08:10 PM - 08:15 PM	58.0	48.0	10:50 PM - 10:55 PM	54.4	46.7	01:30 AM - 01:35 AM	53.6	44.7
08:15 PM - 08:20 PM	54.9	47.8	10:55 PM - 11:00 PM	50.9	44.9	01:35 AM - 01:40 AM	52.0	44.6
08:20 PM - 08:25 PM	55.9	47.2	11:00 PM - 11:05 PM	53.6	45.6	01:40 AM - 01:45 AM	53.5	44.6
08:25 PM - 08:30 PM	55.4	47.2	11:05 PM - 11:10 PM	53.8	45.4	01:45 AM - 01:50 AM	52.1	44.3
08:30 PM - 08:35 PM	55.4	47.4	11:10 PM - 11:15 PM	54.6	45.2	01:50 AM - 01:55 AM	53.7	44.4
08:35 PM - 08:40 PM	56.6	46.6	11:15 PM - 11:20 PM	55.3	45.6	01:55 AM - 02:00 AM	47.7	44.2
08:40 PM - 08:45 PM	53.6	45.7	11:20 PM - 11:25 PM	53.5	45.1	02:00 AM - 02:05 AM	50.0	44.1
08:45 PM - 08:50 PM	55.4	46.2	11:25 PM - 11:30 PM	57.9	44.6	02:05 AM - 02:10 AM	48.8	44.2
08:50 PM - 08:55 PM	54.2	48.3	11:30 PM - 11:35 PM	55.9	45.6	02:10 AM - 02:15 AM	52.8	44.4
08:55 PM - 09:00 PM	57.2	48.9	11:35 PM - 11:40 PM	52.3	44.3	02:15 AM - 02:20 AM	52.2	43.9
09:00 PM - 09:05 PM	56.7	47.8	11:40 PM - 11:45 PM	55.6	44.4	02:20 AM - 02:25 AM	51.7	43.9
09:05 PM - 09:10 PM	54.0	46.8	11:45 PM - 11:50 PM	51.3	44.0	02:25 AM - 02:30 AM	51.5	44.9
09:10 PM - 09:15 PM	53.1	45.9	11:50 PM - 11:55 PM	57.4	45.5	02:30 AM - 02:35 AM	53.2	44.6
09:15 PM - 09:20 PM	56.1	48.7	11:55 PM - 12:00 AM	55.3	45.0	02:35 AM - 02:40 AM	54.1	44.6
09:20 PM - 09:25 PM	56.3	46.1	12:00 AM - 12:05 AM	51.1	44.4	02:40 AM - 02:45 AM	51.2	43.6
09:25 PM - 09:30 PM	53.5	45.3	12:05 AM - 12:10 AM	50.7	44.3	02:45 AM - 02:50 AM	51.4	43.7
09:30 PM - 09:35 PM	53.4	45.4	12:10 AM - 12:15 AM	50.8	45.1	02:50 AM - 02:55 AM	54.6	45.7
09:35 PM - 09:40 PM	55.5	46.1	12:15 AM - 12:20 AM	53.9	44.2	02:55 AM - 03:00 AM	49.8	43.9
09:40 PM - 09:45 PM	54.4	46.4	12:20 AM - 12:25 AM	55.6	45.2	03:00 AM - 03:05 AM	50.4	44.1
09:45 PM - 09:50 PM	55.7	47.6	12:25 AM - 12:30 AM	51.6	44.3	03:05 AM - 03:10 AM	45.2	43.5
09:50 PM - 09:55 PM	62.2	47.2	12:30 AM - 12:35 AM	50.3	44.6	03:10 AM - 03:15 AM	49.9	44.3
09:55 PM - 10:00 PM	52.3	47.0	12:35 AM - 12:40 AM	49.0	43.9	03:15 AM - 03:20 AM	52.2	44.5
10:00 PM - 10:05 PM	56.9	48.9	12:40 AM - 12:45 AM	52.4	44.7	03:20 AM - 03:25 AM	55.0	44.2
10:05 PM - 10:10 PM	51.9	46.5	12:45 AM - 12:50 AM	52.0	45.8	03:25 AM - 03:30 AM	50.4	44.0
10:10 PM - 10:15 PM	57.2	46.8	12:50 AM - 12:55 AM	55.9	44.6	03:30 AM - 03:35 AM	52.7	45.3
10:15 PM - 10:20 PM	53.9	47.5	12:55 AM - 01:00 AM	50.7	46.0	03:35 AM - 03:40 AM	52.1	44.3
10:20 PM - 10:25 PM	58.9	48.0	01:00 AM - 01:05 AM	56.1	46.1	03:40 AM - 03:45 AM	54.6	45.1
10:25 PM - 10:30 PM	52.4	47.8	01:05 AM - 01:10 AM	49.8	45.3	03:45 AM - 03:50 AM	56.5	45.3
10:30 PM - 10:35 PM	55.5	47.5	01:10 AM - 01:15 AM	47.2	45.0	03:50 AM - 03:55 AM	53.3	45.4
10:35 PM - 10:40 PM	54.3	46.8	01:15 AM - 01:20 AM	53.9	45.5	03:55 AM - 04:00 AM	51.9	44.3

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Approved by

Sarayuth Jittrantont  
Assistant General Manager



## Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230  
P/O : RJN-BW-012/65  
Project Name : Chonburi Bowin  
Project Location :

Lot ID: 22144022  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report Number : 2534272-1

Page 3 of 3

Sample Number 22144022-26  
Parameter Noise Level (Leq 5 min)  
Location N4 : ที่พักอาศัยบริเวณหมู่ 5 บ้านสุรศักดิ์  
Measurement Date Dec 23 - Dec 24, 2022  
Measurement by Jaradrawee Sriuksa ทะเบียนเลขที่ ว-323-จ-9483  
Sound Level meter Serial No. 597168

Dec 24, 2022	Leq	L90	Dec 24, 2022	Leq	L90	Dec 24, 2022	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
04:00 AM - 04:05 AM	58.6	44.9	06:40 AM - 06:45 AM	60.0	50.6	09:20 AM - 09:25 AM	59.4	51.0
04:05 AM - 04:10 AM	50.7	44.6	06:45 AM - 06:50 AM	58.4	51.2	09:25 AM - 09:30 AM	61.4	51.6
04:10 AM - 04:15 AM	52.0	44.2	06:50 AM - 06:55 AM	61.8	53.1	09:30 AM - 09:35 AM	60.8	52.6
04:15 AM - 04:20 AM	57.1	44.6	06:55 AM - 07:00 AM	57.8	51.1	09:35 AM - 09:40 AM	59.4	52.8
04:20 AM - 04:25 AM	60.0	45.7	07:00 AM - 07:05 AM	60.5	52.5	09:40 AM - 09:45 AM	58.9	51.3
04:25 AM - 04:30 AM	52.5	45.3	07:05 AM - 07:10 AM	61.5	49.0	09:45 AM - 09:50 AM	60.3	49.7
04:30 AM - 04:35 AM	52.2	44.3	07:10 AM - 07:15 AM	60.8	50.6	09:50 AM - 09:55 AM	56.1	49.5
04:35 AM - 04:40 AM	52.1	44.9	07:15 AM - 07:20 AM	58.5	49.3	09:55 AM - 10:00 AM	58.4	50.9
04:40 AM - 04:45 AM	51.4	45.9	07:20 AM - 07:25 AM	58.1	47.9	10:00 AM - 10:05 AM	58.6	50.3
04:45 AM - 04:50 AM	54.8	47.0	07:25 AM - 07:30 AM	58.3	48.4	10:05 AM - 10:10 AM	57.6	49.7
04:50 AM - 04:55 AM	56.2	47.6	07:30 AM - 07:35 AM	57.3	48.0	10:10 AM - 10:15 AM	58.5	49.6
04:55 AM - 05:00 AM	53.9	46.0	07:35 AM - 07:40 AM	56.5	49.0	10:15 AM - 10:20 AM	56.2	48.4
05:00 AM - 05:05 AM	53.6	46.1	07:40 AM - 07:45 AM	60.4	50.1	10:20 AM - 10:25 AM	60.7	50.1
05:05 AM - 05:10 AM	53.4	45.9	07:45 AM - 07:50 AM	55.5	49.0	10:25 AM - 10:30 AM	60.1	51.9
05:10 AM - 05:15 AM	56.7	47.1	07:50 AM - 07:55 AM	56.9	49.1	10:30 AM - 10:35 AM	57.2	48.2
05:15 AM - 05:20 AM	55.1	47.7	07:55 AM - 08:00 AM	60.4	47.8	10:35 AM - 10:40 AM	56.6	50.4
05:20 AM - 05:25 AM	54.6	47.2	08:00 AM - 08:05 AM	60.2	49.6	10:40 AM - 10:45 AM	60.1	49.1
05:25 AM - 05:30 AM	55.4	48.0	08:05 AM - 08:10 AM	56.7	47.1	10:45 AM - 10:50 AM	56.3	48.3
05:30 AM - 05:35 AM	58.5	47.5	08:10 AM - 08:15 AM	54.7	45.6	10:50 AM - 10:55 AM	57.5	49.2
05:35 AM - 05:40 AM	57.5	48.2	08:15 AM - 08:20 AM	57.6	48.1	10:55 AM - 11:00 AM	60.3	50.9
05:40 AM - 05:45 AM	57.5	50.0	08:20 AM - 08:25 AM	57.4	48.0	11:00 AM - 11:05 AM	58.5	49.2
05:45 AM - 05:50 AM	56.2	47.8	08:25 AM - 08:30 AM	59.3	49.0	11:05 AM - 11:10 AM	58.9	51.6
05:50 AM - 05:55 AM	56.4	48.0	08:30 AM - 08:35 AM	60.3	48.7	11:10 AM - 11:15 AM	58.9	50.9
05:55 AM - 06:00 AM	56.1	50.4	08:35 AM - 08:40 AM	61.2	47.3	11:15 AM - 11:20 AM	58.5	47.6
06:00 AM - 06:05 AM	59.2	51.5	08:40 AM - 08:45 AM	60.0	48.1	11:20 AM - 11:25 AM	58.6	47.2
06:05 AM - 06:10 AM	57.8	50.2	08:45 AM - 08:50 AM	59.2	49.9	11:25 AM - 11:30 AM	58.0	50.6
06:10 AM - 06:15 AM	60.4	51.5	08:50 AM - 08:55 AM	59.1	48.1	11:30 AM - 11:35 AM	58.7	49.7
06:15 AM - 06:20 AM	57.8	51.2	08:55 AM - 09:00 AM	57.9	49.1	11:35 AM - 11:40 AM	57.3	47.8
06:20 AM - 06:25 AM	58.8	51.3	09:00 AM - 09:05 AM	58.6	51.5	11:40 AM - 11:45 AM	57.0	48.8
06:25 AM - 06:30 AM	60.2	52.7	09:05 AM - 09:10 AM	58.7	51.0	11:45 AM - 11:50 AM	58.4	48.4
06:30 AM - 06:35 AM	58.5	51.8	09:10 AM - 09:15 AM	58.7	48.9	11:50 AM - 11:55 AM	65.0	47.9
06:35 AM - 06:40 AM	58.6	51.4	09:15 AM - 09:20 AM	57.8	49.6	11:55 AM - 12:00 PM	59.2	48.5

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Approved by

Sarayuth Jittrantont  
Assistant General Manager



## Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230  
P/O : RJN-BW-012/65  
Project Name : Chonburi Bowin  
Project Location :

Lot ID: 22144022  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report Number : 2534273-1

Page 1 of 3

Sample Number 22144022-27  
Parameter Noise Level (Leq 5 min)  
Location N4 : ที่พักอาศัยบริเวณหมู่ 5 บ้านสุรศักดิ์  
Measurement Date Dec 24 - Dec 25, 2022  
Measurement by Jaradrawee Sriuksa ทะเบียนเลขที่ ว-323-จ-9483  
Sound Level meter Serial No. 597168

Dec 24, 2022	Leq	L90	Dec 24, 2022	Leq	L90	Dec 24, 2022	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
12:00 PM - 12:05 PM	57.4	46.6	02:40 PM - 02:45 PM	57.6	47.1	05:20 PM - 05:25 PM	55.0	46.7
12:05 PM - 12:10 PM	57.4	49.2	02:45 PM - 02:50 PM	56.7	46.7	05:25 PM - 05:30 PM	58.2	48.0
12:10 PM - 12:15 PM	60.8	46.2	02:50 PM - 02:55 PM	56.7	47.4	05:30 PM - 05:35 PM	56.9	46.9
12:15 PM - 12:20 PM	57.9	50.1	02:55 PM - 03:00 PM	58.3	47.2	05:35 PM - 05:40 PM	55.9	48.0
12:20 PM - 12:25 PM	56.3	50.0	03:00 PM - 03:05 PM	55.5	47.7	05:40 PM - 05:45 PM	56.0	46.8
12:25 PM - 12:30 PM	56.4	48.8	03:05 PM - 03:10 PM	59.5	47.2	05:45 PM - 05:50 PM	55.2	46.1
12:30 PM - 12:35 PM	55.9	45.4	03:10 PM - 03:15 PM	56.6	45.8	05:50 PM - 05:55 PM	57.3	47.3
12:35 PM - 12:40 PM	56.4	45.9	03:15 PM - 03:20 PM	58.0	50.1	05:55 PM - 06:00 PM	57.9	47.7
12:40 PM - 12:45 PM	59.4	51.2	03:20 PM - 03:25 PM	56.5	46.2	06:00 PM - 06:05 PM	57.0	47.4
12:45 PM - 12:50 PM	58.1	51.5	03:25 PM - 03:30 PM	58.1	47.0	06:05 PM - 06:10 PM	54.3	47.0
12:50 PM - 12:55 PM	56.5	47.7	03:30 PM - 03:35 PM	55.2	44.2	06:10 PM - 06:15 PM	54.9	47.9
12:55 PM - 01:00 PM	56.4	43.7	03:35 PM - 03:40 PM	56.6	50.0	06:15 PM - 06:20 PM	53.5	46.6
01:00 PM - 01:05 PM	57.5	50.1	03:40 PM - 03:45 PM	56.4	46.5	06:20 PM - 06:25 PM	57.0	48.2
01:05 PM - 01:10 PM	56.2	45.4	03:45 PM - 03:50 PM	57.3	50.8	06:25 PM - 06:30 PM	57.4	49.8
01:10 PM - 01:15 PM	57.5	48.3	03:50 PM - 03:55 PM	56.4	48.2	06:30 PM - 06:35 PM	58.5	49.4
01:15 PM - 01:20 PM	58.2	48.9	03:55 PM - 04:00 PM	55.1	46.1	06:35 PM - 06:40 PM	54.6	48.8
01:20 PM - 01:25 PM	58.8	48.5	04:00 PM - 04:05 PM	58.6	44.9	06:40 PM - 06:45 PM	55.7	51.3
01:25 PM - 01:30 PM	56.6	46.6	04:05 PM - 04:10 PM	59.3	48.9	06:45 PM - 06:50 PM	56.2	48.7
01:30 PM - 01:35 PM	58.2	47.0	04:10 PM - 04:15 PM	58.1	47.2	06:50 PM - 06:55 PM	57.5	50.1
01:35 PM - 01:40 PM	56.1	47.0	04:15 PM - 04:20 PM	55.7	47.0	06:55 PM - 07:00 PM	56.7	49.1
01:40 PM - 01:45 PM	59.3	47.6	04:20 PM - 04:25 PM	61.8	48.3	07:00 PM - 07:05 PM	54.7	48.3
01:45 PM - 01:50 PM	57.1	48.8	04:25 PM - 04:30 PM	57.2	48.3	07:05 PM - 07:10 PM	54.2	48.5
01:50 PM - 01:55 PM	56.5	48.4	04:30 PM - 04:35 PM	57.2	49.0	07:10 PM - 07:15 PM	55.8	48.8
01:55 PM - 02:00 PM	55.8	45.9	04:35 PM - 04:40 PM	56.5	48.2	07:15 PM - 07:20 PM	55.4	47.6
02:00 PM - 02:05 PM	57.8	48.4	04:40 PM - 04:45 PM	55.5	47.4	07:20 PM - 07:25 PM	55.8	47.3
02:05 PM - 02:10 PM	55.7	46.2	04:45 PM - 04:50 PM	60.3	48.2	07:25 PM - 07:30 PM	52.7	46.8
02:10 PM - 02:15 PM	57.4	48.1	04:50 PM - 04:55 PM	59.2	50.1	07:30 PM - 07:35 PM	55.8	46.5
02:15 PM - 02:20 PM	55.7	48.2	04:55 PM - 05:00 PM	58.2	51.7	07:35 PM - 07:40 PM	55.9	46.4
02:20 PM - 02:25 PM	57.2	46.1	05:00 PM - 05:05 PM	56.0	49.1	07:40 PM - 07:45 PM	53.7	46.3
02:25 PM - 02:30 PM	56.0	48.9	05:05 PM - 05:10 PM	59.4	47.7	07:45 PM - 07:50 PM	54.0	48.1
02:30 PM - 02:35 PM	55.8	45.1	05:10 PM - 05:15 PM	59.2	49.3	07:50 PM - 07:55 PM	54.8	48.1
02:35 PM - 02:40 PM	55.2	46.1	05:15 PM - 05:20 PM	56.0	47.2	07:55 PM - 08:00 PM	54.4	47.6

Approved by

Sarayuth Jitranont  
Assistant General Manager

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## Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230  
P/O : RJN-BW-012/65  
Project Name : Chonburi Bowin  
Project Location :

Lot ID: 22144022  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report Number : 2534273-1

Page 2 of 3

Sample Number 22144022-27  
Parameter Noise Level (Leq 5 min)  
Location N4 : ที่พักอาศัยบริเวณหมู่ 5 บ้านสุรศักดิ์  
Measurement Date Dec 24 - Dec 25, 2022  
Measurement by Jaradrawee Sriuksa ทะเบียนเลขที่ ๖-323-๖-9483  
Sound Level meter Serial No. 597168

Dec 24, 2022	Leq	L90	Dec 24 - Dec 25, 2022	Leq	L90	Dec 25, 2022	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
08:00 PM - 08:05 PM	56.0	48.9	10:40 PM - 10:45 PM	51.7	45.9	01:20 AM - 01:25 AM	50.2	45.6
08:05 PM - 08:10 PM	54.6	48.3	10:45 PM - 10:50 PM	52.5	46.0	01:25 AM - 01:30 AM	51.6	45.9
08:10 PM - 08:15 PM	55.1	48.0	10:50 PM - 10:55 PM	52.2	46.3	01:30 AM - 01:35 AM	49.3	44.9
08:15 PM - 08:20 PM	53.1	46.8	10:55 PM - 11:00 PM	49.2	44.5	01:35 AM - 01:40 AM	54.2	44.5
08:20 PM - 08:25 PM	51.5	46.0	11:00 PM - 11:05 PM	51.9	45.7	01:40 AM - 01:45 AM	55.3	45.4
08:25 PM - 08:30 PM	52.2	46.9	11:05 PM - 11:10 PM	50.4	46.7	01:45 AM - 01:50 AM	49.0	44.4
08:30 PM - 08:35 PM	52.5	45.6	11:10 PM - 11:15 PM	53.0	46.5	01:50 AM - 01:55 AM	50.3	44.0
08:35 PM - 08:40 PM	55.7	46.5	11:15 PM - 11:20 PM	51.4	46.2	01:55 AM - 02:00 AM	49.3	44.5
08:40 PM - 08:45 PM	56.6	47.4	11:20 PM - 11:25 PM	49.6	46.0	02:00 AM - 02:05 AM	50.4	44.4
08:45 PM - 08:50 PM	53.1	46.2	11:25 PM - 11:30 PM	50.4	46.9	02:05 AM - 02:10 AM	50.7	44.3
08:50 PM - 08:55 PM	56.0	46.7	11:30 PM - 11:35 PM	52.8	46.9	02:10 AM - 02:15 AM	50.2	44.9
08:55 PM - 09:00 PM	60.2	46.7	11:35 PM - 11:40 PM	51.7	45.9	02:15 AM - 02:20 AM	51.1	44.7
09:00 PM - 09:05 PM	52.0	46.4	11:40 PM - 11:45 PM	54.6	46.6	02:20 AM - 02:25 AM	49.3	44.0
09:05 PM - 09:10 PM	51.6	46.0	11:45 PM - 11:50 PM	53.1	45.5	02:25 AM - 02:30 AM	47.6	43.5
09:10 PM - 09:15 PM	49.6	45.6	11:50 PM - 11:55 PM	49.0	45.8	02:30 AM - 02:35 AM	48.7	44.0
09:15 PM - 09:20 PM	53.3	46.1	11:55 PM - 12:00 AM	56.0	47.1	02:35 AM - 02:40 AM	57.5	44.5
09:20 PM - 09:25 PM	50.2	45.2	12:00 AM - 12:05 AM	50.5	45.7	02:40 AM - 02:45 AM	59.7	43.6
09:25 PM - 09:30 PM	53.3	45.2	12:05 AM - 12:10 AM	54.1	46.9	02:45 AM - 02:50 AM	52.3	43.4
09:30 PM - 09:35 PM	53.8	45.7	12:10 AM - 12:15 AM	64.4	47.6	02:50 AM - 02:55 AM	55.1	43.8
09:35 PM - 09:40 PM	53.5	46.2	12:15 AM - 12:20 AM	52.4	45.8	02:55 AM - 03:00 AM	49.3	43.0
09:40 PM - 09:45 PM	55.5	46.5	12:20 AM - 12:25 AM	56.8	46.0	03:00 AM - 03:05 AM	45.3	42.7
09:45 PM - 09:50 PM	54.5	45.9	12:25 AM - 12:30 AM	49.8	45.5	03:05 AM - 03:10 AM	47.5	43.4
09:50 PM - 09:55 PM	55.0	46.5	12:30 AM - 12:35 AM	52.3	49.1	03:10 AM - 03:15 AM	49.1	43.4
09:55 PM - 10:00 PM	54.2	46.0	12:35 AM - 12:40 AM	50.6	47.2	03:15 AM - 03:20 AM	50.2	43.5
10:00 PM - 10:05 PM	52.8	46.3	12:40 AM - 12:45 AM	51.1	47.4	03:20 AM - 03:25 AM	53.5	44.1
10:05 PM - 10:10 PM	55.7	46.2	12:45 AM - 12:50 AM	54.1	48.3	03:25 AM - 03:30 AM	48.5	42.8
10:10 PM - 10:15 PM	52.0	45.9	12:50 AM - 12:55 AM	54.2	48.0	03:30 AM - 03:35 AM	51.8	43.2
10:15 PM - 10:20 PM	51.8	45.7	12:55 AM - 01:00 AM	52.1	47.8	03:35 AM - 03:40 AM	50.8	42.2
10:20 PM - 10:25 PM	53.6	46.1	01:00 AM - 01:05 AM	51.4	47.6	03:40 AM - 03:45 AM	53.0	44.3
10:25 PM - 10:30 PM	50.7	45.7	01:05 AM - 01:10 AM	52.6	45.7	03:45 AM - 03:50 AM	53.6	44.0
10:30 PM - 10:35 PM	53.1	46.5	01:10 AM - 01:15 AM	49.9	46.0	03:50 AM - 03:55 AM	47.6	42.1
10:35 PM - 10:40 PM	56.7	46.0	01:15 AM - 01:20 AM	54.1	45.8	03:55 AM - 04:00 AM	51.6	43.1

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Approved by

Sarayuth Jitranont  
Assistant General Manager



## Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230  
P/O : RJN-BW-012/65  
Project Name : Chonburi Bowin  
Project Location :

Lot ID: 22144022  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report Number : 2534273-1

Page 3 of 3

Sample Number 22144022-27  
Parameter Noise Level (Leq 5 min)  
Location N4 : ที่พักอาศัยบริเวณหมู่ 5 บ้านสุรศักดิ์  
Measurement Date Dec 24 - Dec 25, 2022  
Measurement by Jaradrawee Sriuksa ทะเบียนเลขที่ ว-323-จ-9483  
Sound Level meter Serial No. 597168

Dec 25, 2022 Time	Leq dB(A)	L90 dB(A)	Dec 25, 2022 Time	Leq dB(A)	L90 dB(A)	Dec 25, 2022 Time	Leq dB(A)	L90 dB(A)
04:00 AM - 04:05 AM	53.4	43.5	06:40 AM - 06:45 AM	59.0	47.8	09:20 AM - 09:25 AM	56.1	50.2
04:05 AM - 04:10 AM	51.8	43.8	06:45 AM - 06:50 AM	58.0	48.4	09:25 AM - 09:30 AM	56.5	50.4
04:10 AM - 04:15 AM	54.1	44.2	06:50 AM - 06:55 AM	56.4	48.4	09:30 AM - 09:35 AM	56.9	48.3
04:15 AM - 04:20 AM	50.4	43.2	06:55 AM - 07:00 AM	56.6	49.1	09:35 AM - 09:40 AM	66.8	49.8
04:20 AM - 04:25 AM	54.0	43.2	07:00 AM - 07:05 AM	57.4	48.6	09:40 AM - 09:45 AM	56.4	49.3
04:25 AM - 04:30 AM	53.5	43.4	07:05 AM - 07:10 AM	56.7	49.0	09:45 AM - 09:50 AM	56.5	47.7
04:30 AM - 04:35 AM	49.3	42.7	07:10 AM - 07:15 AM	57.8	48.6	09:50 AM - 09:55 AM	55.5	48.0
04:35 AM - 04:40 AM	52.6	43.3	07:15 AM - 07:20 AM	56.7	46.9	09:55 AM - 10:00 AM	54.7	48.1
04:40 AM - 04:45 AM	51.3	43.5	07:20 AM - 07:25 AM	55.3	47.1	10:00 AM - 10:05 AM	56.7	49.9
04:45 AM - 04:50 AM	60.9	44.9	07:25 AM - 07:30 AM	56.2	47.2	10:05 AM - 10:10 AM	56.6	47.8
04:50 AM - 04:55 AM	52.5	45.2	07:30 AM - 07:35 AM	56.3	47.9	10:10 AM - 10:15 AM	55.2	47.7
04:55 AM - 05:00 AM	55.3	45.1	07:35 AM - 07:40 AM	58.4	46.2	10:15 AM - 10:20 AM	54.0	46.3
05:00 AM - 05:05 AM	53.5	45.6	07:40 AM - 07:45 AM	56.2	46.9	10:20 AM - 10:25 AM	54.2	46.4
05:05 AM - 05:10 AM	53.8	45.6	07:45 AM - 07:50 AM	56.1	46.1	10:25 AM - 10:30 AM	58.3	48.0
05:10 AM - 05:15 AM	53.0	44.6	07:50 AM - 07:55 AM	59.0	48.6	10:30 AM - 10:35 AM	56.8	47.6
05:15 AM - 05:20 AM	53.6	45.4	07:55 AM - 08:00 AM	53.8	46.7	10:35 AM - 10:40 AM	56.5	49.1
05:20 AM - 05:25 AM	54.4	44.9	08:00 AM - 08:05 AM	56.0	48.4	10:40 AM - 10:45 AM	55.7	49.9
05:25 AM - 05:30 AM	55.9	46.1	08:05 AM - 08:10 AM	55.1	47.0	10:45 AM - 10:50 AM	55.2	48.2
05:30 AM - 05:35 AM	54.4	45.6	08:10 AM - 08:15 AM	56.9	48.4	10:50 AM - 10:55 AM	56.5	48.9
05:35 AM - 05:40 AM	54.9	44.5	08:15 AM - 08:20 AM	56.7	48.4	10:55 AM - 11:00 AM	63.9	48.3
05:40 AM - 05:45 AM	54.8	45.1	08:20 AM - 08:25 AM	55.3	48.3	11:00 AM - 11:05 AM	57.8	49.6
05:45 AM - 05:50 AM	57.0	45.7	08:25 AM - 08:30 AM	56.0	48.6	11:05 AM - 11:10 AM	56.7	51.1
05:50 AM - 05:55 AM	56.6	45.8	08:30 AM - 08:35 AM	56.3	49.4	11:10 AM - 11:15 AM	59.7	50.6
05:55 AM - 06:00 AM	55.7	46.2	08:35 AM - 08:40 AM	55.2	49.3	11:15 AM - 11:20 AM	57.9	49.6
06:00 AM - 06:05 AM	56.7	46.3	08:40 AM - 08:45 AM	56.4	51.1	11:20 AM - 11:25 AM	60.4	51.1
06:05 AM - 06:10 AM	54.0	46.8	08:45 AM - 08:50 AM	55.1	48.3	11:25 AM - 11:30 AM	60.3	50.6
06:10 AM - 06:15 AM	55.5	47.0	08:50 AM - 08:55 AM	57.5	50.2	11:30 AM - 11:35 AM	54.7	47.1
06:15 AM - 06:20 AM	59.2	47.5	08:55 AM - 09:00 AM	58.3	50.9	11:35 AM - 11:40 AM	55.8	45.6
06:20 AM - 06:25 AM	59.3	48.5	09:00 AM - 09:05 AM	56.9	52.2	11:40 AM - 11:45 AM	54.4	43.6
06:25 AM - 06:30 AM	57.1	48.1	09:05 AM - 09:10 AM	56.6	51.6	11:45 AM - 11:50 AM	55.8	46.4
06:30 AM - 06:35 AM	56.3	48.2	09:10 AM - 09:15 AM	58.2	51.6	11:50 AM - 11:55 AM	55.1	45.8
06:35 AM - 06:40 AM	56.7	48.6	09:15 AM - 09:20 AM	55.7	49.9	11:55 AM - 12:00 PM	53.5	46.4

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Approved by

Sarayuth Jittrantont  
Assistant General Manager



## Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230  
P/O : RJN-BW-012/65  
Project Name : Chonburi Bowin  
Project Location :

Lot ID: 22144022  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report Number : 2534274-1

Page 1 of 3

Sample Number 22144022-28  
Parameter Noise Level (Leq 5 min)  
Location N4 : ที่พักอาศัยบริเวณหมู่ 5 บ้านสุรศักดิ์  
Measurement Date Dec 25 - Dec 26, 2022  
Measurement by Jaradrawee Sriuksa ทะเบียนเลขที่ ว-323-จ-9483  
Sound Level meter Serial No. 597168

Dec 25, 2022 Time	Leq dB(A)	L90 dB(A)	Dec 25, 2022 Time	Leq dB(A)	L90 dB(A)	Dec 25, 2022 Time	Leq dB(A)	L90 dB(A)
12:00 PM - 12:05 PM	56.2	45.2	02:40 PM - 02:45 PM	55.2	42.6	05:20 PM - 05:25 PM	54.2	47.2
12:05 PM - 12:10 PM	55.0	44.0	02:45 PM - 02:50 PM	56.9	44.3	05:25 PM - 05:30 PM	58.2	47.3
12:10 PM - 12:15 PM	55.3	47.6	02:50 PM - 02:55 PM	53.6	46.4	05:30 PM - 05:35 PM	53.7	46.2
12:15 PM - 12:20 PM	55.3	46.1	02:55 PM - 03:00 PM	52.5	45.9	05:35 PM - 05:40 PM	57.5	46.4
12:20 PM - 12:25 PM	54.4	46.4	03:00 PM - 03:05 PM	53.3	45.4	05:40 PM - 05:45 PM	54.1	46.6
12:25 PM - 12:30 PM	54.8	46.7	03:05 PM - 03:10 PM	56.0	44.8	05:45 PM - 05:50 PM	52.7	46.0
12:30 PM - 12:35 PM	58.2	48.1	03:10 PM - 03:15 PM	55.4	44.4	05:50 PM - 05:55 PM	52.4	46.5
12:35 PM - 12:40 PM	56.2	48.3	03:15 PM - 03:20 PM	54.7	44.2	05:55 PM - 06:00 PM	53.8	46.6
12:40 PM - 12:45 PM	53.4	44.9	03:20 PM - 03:25 PM	52.2	44.9	06:00 PM - 06:05 PM	51.1	46.5
12:45 PM - 12:50 PM	56.0	45.7	03:25 PM - 03:30 PM	56.9	49.0	06:05 PM - 06:10 PM	54.0	47.7
12:50 PM - 12:55 PM	55.8	46.4	03:30 PM - 03:35 PM	55.9	45.9	06:10 PM - 06:15 PM	53.4	48.2
12:55 PM - 01:00 PM	55.4	43.6	03:35 PM - 03:40 PM	53.2	42.9	06:15 PM - 06:20 PM	53.6	48.3
01:00 PM - 01:05 PM	54.7	42.3	03:40 PM - 03:45 PM	52.8	42.9	06:20 PM - 06:25 PM	51.4	47.3
01:05 PM - 01:10 PM	53.1	43.7	03:45 PM - 03:50 PM	53.4	45.2	06:25 PM - 06:30 PM	55.1	48.9
01:10 PM - 01:15 PM	55.3	43.3	03:50 PM - 03:55 PM	56.3	46.6	06:30 PM - 06:35 PM	56.5	48.4
01:15 PM - 01:20 PM	53.5	45.1	03:55 PM - 04:00 PM	53.3	46.9	06:35 PM - 06:40 PM	55.1	48.1
01:20 PM - 01:25 PM	54.8	44.3	04:00 PM - 04:05 PM	54.5	44.8	06:40 PM - 06:45 PM	54.2	48.4
01:25 PM - 01:30 PM	52.3	43.1	04:05 PM - 04:10 PM	56.5	47.1	06:45 PM - 06:50 PM	56.7	48.6
01:30 PM - 01:35 PM	52.5	44.0	04:10 PM - 04:15 PM	53.4	46.3	06:50 PM - 06:55 PM	55.5	48.7
01:35 PM - 01:40 PM	52.5	44.2	04:15 PM - 04:20 PM	56.7	47.0	06:55 PM - 07:00 PM	56.1	49.0
01:40 PM - 01:45 PM	53.0	43.4	04:20 PM - 04:25 PM	55.7	47.6	07:00 PM - 07:05 PM	53.0	48.1
01:45 PM - 01:50 PM	54.0	45.2	04:25 PM - 04:30 PM	55.2	45.5	07:05 PM - 07:10 PM	54.7	48.0
01:50 PM - 01:55 PM	52.6	43.6	04:30 PM - 04:35 PM	59.4	43.7	07:10 PM - 07:15 PM	56.6	48.6
01:55 PM - 02:00 PM	55.4	41.5	04:35 PM - 04:40 PM	54.6	46.8	07:15 PM - 07:20 PM	52.2	47.2
02:00 PM - 02:05 PM	55.6	44.0	04:40 PM - 04:45 PM	56.2	45.5	07:20 PM - 07:25 PM	56.2	47.7
02:05 PM - 02:10 PM	53.0	44.9	04:45 PM - 04:50 PM	56.1	46.1	07:25 PM - 07:30 PM	53.7	47.0
02:10 PM - 02:15 PM	53.5	43.8	04:50 PM - 04:55 PM	56.6	46.1	07:30 PM - 07:35 PM	54.2	47.1
02:15 PM - 02:20 PM	54.6	45.9	04:55 PM - 05:00 PM	61.5	46.4	07:35 PM - 07:40 PM	57.1	47.1
02:20 PM - 02:25 PM	54.8	43.9	05:00 PM - 05:05 PM	53.1	46.9	07:40 PM - 07:45 PM	57.1	47.3
02:25 PM - 02:30 PM	58.7	44.2	05:05 PM - 05:10 PM	55.8	46.5	07:45 PM - 07:50 PM	53.0	47.6
02:30 PM - 02:35 PM	53.6	45.7	05:10 PM - 05:15 PM	53.5	46.5	07:50 PM - 07:55 PM	60.8	48.7
02:35 PM - 02:40 PM	55.0	44.1	05:15 PM - 05:20 PM	54.5	46.2	07:55 PM - 08:00 PM	54.0	47.2

Approved by

Sarayuth Jitranont  
Assistant General Manager

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## Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230  
P/O : RJN-BW-012/65  
Project Name : Chonburi Bowin  
Project Location :

Lot ID: 22144022  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report Number : 2534274-1

Page 2 of 3

Sample Number 22144022-28  
Parameter Noise Level (Leq 5 min)  
Location N4 : ที่พักอาศัยบริเวณหมู่ 5 บ้านสุรศักดิ์  
Measurement Date Dec 25 - Dec 26, 2022  
Measurement by Jaradrawee Sriuksa ทะเบียนเลขที่ ๖-323-๖-9483  
Sound Level meter Serial No. 597168

Dec 25, 2022	Leq	L90	Dec 25 - Dec 26, 2022	Leq	L90	Dec 26, 2022	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
08:00 PM - 08:05 PM	53.5	46.8	10:40 PM - 10:45 PM	50.7	45.1	01:20 AM - 01:25 AM	52.0	43.4
08:05 PM - 08:10 PM	52.7	46.4	10:45 PM - 10:50 PM	54.3	45.1	01:25 AM - 01:30 AM	47.0	43.7
08:10 PM - 08:15 PM	51.1	45.9	10:50 PM - 10:55 PM	49.6	45.1	01:30 AM - 01:35 AM	51.8	43.2
08:15 PM - 08:20 PM	55.3	47.9	10:55 PM - 11:00 PM	49.6	44.9	01:35 AM - 01:40 AM	48.2	43.6
08:20 PM - 08:25 PM	54.1	46.9	11:00 PM - 11:05 PM	51.3	45.1	01:40 AM - 01:45 AM	47.6	43.5
08:25 PM - 08:30 PM	54.0	46.3	11:05 PM - 11:10 PM	50.4	46.3	01:45 AM - 01:50 AM	44.0	43.0
08:30 PM - 08:35 PM	55.3	45.9	11:10 PM - 11:15 PM	54.8	45.8	01:50 AM - 01:55 AM	53.4	44.1
08:35 PM - 08:40 PM	53.1	46.3	11:15 PM - 11:20 PM	51.7	44.7	01:55 AM - 02:00 AM	46.8	43.4
08:40 PM - 08:45 PM	50.4	45.6	11:20 PM - 11:25 PM	50.8	44.6	02:00 AM - 02:05 AM	49.6	43.2
08:45 PM - 08:50 PM	53.3	47.4	11:25 PM - 11:30 PM	47.7	44.4	02:05 AM - 02:10 AM	44.5	43.1
08:50 PM - 08:55 PM	51.4	46.4	11:30 PM - 11:35 PM	49.5	43.7	02:10 AM - 02:15 AM	49.4	43.7
08:55 PM - 09:00 PM	50.5	45.9	11:35 PM - 11:40 PM	45.2	43.3	02:15 AM - 02:20 AM	48.3	43.8
09:00 PM - 09:05 PM	53.1	47.2	11:40 PM - 11:45 PM	52.5	43.9	02:20 AM - 02:25 AM	54.1	44.2
09:05 PM - 09:10 PM	56.7	46.1	11:45 PM - 11:50 PM	46.9	44.2	02:25 AM - 02:30 AM	47.3	43.7
09:10 PM - 09:15 PM	52.8	46.5	11:50 PM - 11:55 PM	46.1	44.0	02:30 AM - 02:35 AM	55.1	44.0
09:15 PM - 09:20 PM	50.9	45.9	11:55 PM - 12:00 AM	47.3	43.9	02:35 AM - 02:40 AM	45.8	43.5
09:20 PM - 09:25 PM	52.2	46.2	12:00 AM - 12:05 AM	46.2	43.8	02:40 AM - 02:45 AM	51.5	43.3
09:25 PM - 09:30 PM	50.4	45.1	12:05 AM - 12:10 AM	46.6	43.7	02:45 AM - 02:50 AM	49.9	43.3
09:30 PM - 09:35 PM	51.5	46.1	12:10 AM - 12:15 AM	50.4	43.6	02:50 AM - 02:55 AM	50.1	44.1
09:35 PM - 09:40 PM	50.7	45.6	12:15 AM - 12:20 AM	49.6	44.1	02:55 AM - 03:00 AM	49.3	43.5
09:40 PM - 09:45 PM	50.9	45.5	12:20 AM - 12:25 AM	45.4	43.6	03:00 AM - 03:05 AM	51.5	43.1
09:45 PM - 09:50 PM	51.0	46.0	12:25 AM - 12:30 AM	52.4	44.2	03:05 AM - 03:10 AM	52.2	43.6
09:50 PM - 09:55 PM	50.7	46.5	12:30 AM - 12:35 AM	49.7	45.0	03:10 AM - 03:15 AM	49.8	43.5
09:55 PM - 10:00 PM	52.9	46.2	12:35 AM - 12:40 AM	49.4	44.7	03:15 AM - 03:20 AM	49.8	43.3
10:00 PM - 10:05 PM	48.7	46.0	12:40 AM - 12:45 AM	48.2	44.6	03:20 AM - 03:25 AM	48.7	43.4
10:05 PM - 10:10 PM	51.9	45.8	12:45 AM - 12:50 AM	50.6	44.4	03:25 AM - 03:30 AM	48.9	43.6
10:10 PM - 10:15 PM	55.4	45.1	12:50 AM - 12:55 AM	50.2	44.3	03:30 AM - 03:35 AM	50.2	43.4
10:15 PM - 10:20 PM	49.7	45.8	12:55 AM - 01:00 AM	49.0	44.1	03:35 AM - 03:40 AM	49.7	43.7
10:20 PM - 10:25 PM	50.9	45.8	01:00 AM - 01:05 AM	50.8	43.8	03:40 AM - 03:45 AM	50.3	44.7
10:25 PM - 10:30 PM	49.0	45.5	01:05 AM - 01:10 AM	48.1	43.1	03:45 AM - 03:50 AM	50.8	43.4
10:30 PM - 10:35 PM	53.4	46.9	01:10 AM - 01:15 AM	46.0	43.0	03:50 AM - 03:55 AM	53.4	43.8
10:35 PM - 10:40 PM	49.5	45.7	01:15 AM - 01:20 AM	49.1	43.4	03:55 AM - 04:00 AM	52.1	44.0

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Approved by

Sarayuth Jittrantont  
Assistant General Manager



## Analysis / Test Report

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230  
P/O : RJN-BW-012/65  
Project Name : Chonburi Bowin  
Project Location :

Lot ID: 22144022  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report Number : 2534274-1

Page 3 of 3

Sample Number 22144022-28  
Parameter Noise Level (Leq 5 min)  
Location N4 : ที่พักอาศัยบริเวณหมู่ 5 บ้านสุรศักดิ์  
Measurement Date Dec 25 - Dec 26, 2022  
Measurement by Jaradrawee Sriuksa ทะเบียนเลขที่ ว-323-จ-9483  
Sound Level meter Serial No. 597168

Dec 26, 2022	Leq	L90	Dec 26, 2022	Leq	L90	Dec 26, 2022	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
04:00 AM - 04:05 AM	54.5	45.2	06:40 AM - 06:45 AM	61.3	52.0	09:20 AM - 09:25 AM	60.7	52.0
04:05 AM - 04:10 AM	51.7	44.2	06:45 AM - 06:50 AM	59.3	51.3	09:25 AM - 09:30 AM	59.6	50.6
04:10 AM - 04:15 AM	51.9	44.5	06:50 AM - 06:55 AM	57.9	52.1	09:30 AM - 09:35 AM	61.1	52.1
04:15 AM - 04:20 AM	50.8	44.7	06:55 AM - 07:00 AM	58.8	51.4	09:35 AM - 09:40 AM	60.9	50.4
04:20 AM - 04:25 AM	50.6	44.6	07:00 AM - 07:05 AM	58.8	52.4	09:40 AM - 09:45 AM	59.4	51.9
04:25 AM - 04:30 AM	55.1	45.6	07:05 AM - 07:10 AM	56.6	51.7	09:45 AM - 09:50 AM	60.0	51.4
04:30 AM - 04:35 AM	53.8	45.3	07:10 AM - 07:15 AM	57.5	51.0	09:50 AM - 09:55 AM	60.9	51.6
04:35 AM - 04:40 AM	53.4	44.7	07:15 AM - 07:20 AM	58.7	51.7	09:55 AM - 10:00 AM	59.9	49.9
04:40 AM - 04:45 AM	51.1	44.8	07:20 AM - 07:25 AM	59.3	52.2	10:00 AM - 10:05 AM	58.5	48.7
04:45 AM - 04:50 AM	54.4	46.2	07:25 AM - 07:30 AM	59.0	52.6	10:05 AM - 10:10 AM	59.0	47.6
04:50 AM - 04:55 AM	55.1	46.4	07:30 AM - 07:35 AM	58.5	51.0	10:10 AM - 10:15 AM	62.5	53.3
04:55 AM - 05:00 AM	52.3	46.2	07:35 AM - 07:40 AM	60.0	51.0	10:15 AM - 10:20 AM	60.2	50.7
05:00 AM - 05:05 AM	56.0	45.8	07:40 AM - 07:45 AM	57.5	51.0	10:20 AM - 10:25 AM	60.5	51.5
05:05 AM - 05:10 AM	54.0	45.9	07:45 AM - 07:50 AM	59.6	51.7	10:25 AM - 10:30 AM	61.3	51.9
05:10 AM - 05:15 AM	53.7	46.4	07:50 AM - 07:55 AM	58.8	52.1	10:30 AM - 10:35 AM	59.7	51.7
05:15 AM - 05:20 AM	57.1	45.7	07:55 AM - 08:00 AM	58.8	51.4	10:35 AM - 10:40 AM	61.6	52.1
05:20 AM - 05:25 AM	56.1	46.4	08:00 AM - 08:05 AM	58.8	51.3	10:40 AM - 10:45 AM	61.2	51.2
05:25 AM - 05:30 AM	56.4	46.8	08:05 AM - 08:10 AM	63.6	53.1	10:45 AM - 10:50 AM	60.5	50.6
05:30 AM - 05:35 AM	58.1	47.6	08:10 AM - 08:15 AM	58.4	50.9	10:50 AM - 10:55 AM	60.2	50.4
05:35 AM - 05:40 AM	56.9	46.8	08:15 AM - 08:20 AM	59.2	52.1	10:55 AM - 11:00 AM	60.1	52.1
05:40 AM - 05:45 AM	56.6	47.0	08:20 AM - 08:25 AM	59.7	52.3	11:00 AM - 11:05 AM	58.3	49.0
05:45 AM - 05:50 AM	56.8	47.7	08:25 AM - 08:30 AM	56.9	50.0	11:05 AM - 11:10 AM	58.8	51.5
05:50 AM - 05:55 AM	58.0	49.1	08:30 AM - 08:35 AM	59.2	51.1	11:10 AM - 11:15 AM	58.7	50.7
05:55 AM - 06:00 AM	57.3	49.1	08:35 AM - 08:40 AM	57.4	49.8	11:15 AM - 11:20 AM	58.2	47.3
06:00 AM - 06:05 AM	62.9	49.3	08:40 AM - 08:45 AM	59.2	52.6	11:20 AM - 11:25 AM	58.5	47.1
06:05 AM - 06:10 AM	56.8	49.4	08:45 AM - 08:50 AM	57.1	50.2	11:25 AM - 11:30 AM	57.8	50.4
06:10 AM - 06:15 AM	60.1	50.7	08:50 AM - 08:55 AM	58.3	50.9	11:30 AM - 11:35 AM	58.3	49.3
06:15 AM - 06:20 AM	61.2	51.5	08:55 AM - 09:00 AM	58.9	49.6	11:35 AM - 11:40 AM	57.2	47.7
06:20 AM - 06:25 AM	58.1	50.6	09:00 AM - 09:05 AM	60.7	50.7	11:40 AM - 11:45 AM	57.9	47.9
06:25 AM - 06:30 AM	57.1	52.3	09:05 AM - 09:10 AM	59.6	51.2	11:45 AM - 11:50 AM	58.1	48.1
06:30 AM - 06:35 AM	60.4	52.9	09:10 AM - 09:15 AM	59.3	49.7	11:50 AM - 11:55 AM	62.0	44.9
06:35 AM - 06:40 AM	58.2	51.5	09:15 AM - 09:20 AM	61.9	51.7	11:55 AM - 12:00 PM	59.1	48.4

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Approved by

Sarayuth Jittrantont  
Assistant General Manager



# Analysis / Test Report

**TESTING**  
**No.0042**

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

Lot ID: 22144026  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report Number : 2535148-1

P/O : RJN-BW-012/65  
Project Name : Chonburi Bowin  
Project Location :

Page 1 of 3

Sample No. 22144026-1  
Parameter เสียงรบกวน  
Location N1 : หมู่บ้านบุรพา  
Measurement Date Dec 19 - 20, 2022  
Measurement by Jaradrawee Sriuksa  
Sound Level Meter 00734225

## ระดับเสียง (dB(A))

เวลา	เสียงจาก แหล่งกำเนิด (A)	เสียงขณะ ไม่มีการรบกวน (B)	ผลต่าง ระดับเสียง (A-B)	ตัวปรับค่า (C)	ปรับค่าเสียงจากแหล่งกำเนิด (D)		เสียงพื้นฐาน (E)	ค่าระดับ การรบกวน (D-E)
					กลางวัน (A-C)	กลางคืน (A-C)+3		
12:00 PM - 01:00 PM	56.5	56.1	0.4	7.0	49.5	-	51.9	-2.4
01:00 PM - 02:00 PM	58.1	56.3	1.8	4.5	53.6	-	53.5	0.1
02:00 PM - 03:00 PM	57.0	55.8	1.2	7.0	50.0	-	53.3	-3.3
03:00 PM - 04:00 PM	56.5	55.7	0.8	7.0	49.5	-	53.0	-3.5
04:00 PM - 05:00 PM	63.4	56.3	7.1	1.0	62.4	-	52.5	9.9
05:00 PM - 06:00 PM	66.8	57.9	8.9	0.5	66.3	-	51.6	14.7
06:00 PM - 07:00 PM	54.1	52.9	1.2	7.0	47.1	-	50.4	-3.3
07:00 PM - 08:00 PM	53.5	52.6	0.9	7.0	46.5	-	50.6	-4.1
08:00 PM - 09:00 PM	53.5	52.9	0.6	7.0	46.5	-	50.7	-4.2
09:00 PM - 10:00 PM	51.3	50.9	0.4	7.0	44.3	-	49.2	-4.9
10:00 PM - 10:05 PM	52.1	51.6	0.5	7.0	-	48.1	49.8	-1.7
10:05 PM - 10:10 PM	51.9	51.4	0.5	7.0	-	47.9	50.0	-2.1
10:10 PM - 10:15 PM	51.3	50.9	0.4	7.0	-	47.3	49.2	-1.9
10:15 PM - 10:20 PM	52.4	52.1	0.3	7.0	-	48.4	50.2	-1.8
10:20 PM - 10:25 PM	52.2	51.8	0.4	7.0	-	48.2	50.3	-2.1
10:25 PM - 10:30 PM	52.1	51.8	0.3	7.0	-	48.1	49.9	-1.8
10:30 PM - 10:35 PM	52.0	51.5	0.5	7.0	-	48.0	49.5	-1.5
10:35 PM - 10:40 PM	51.6	51.5	0.1	7.0	-	47.6	49.9	-2.3
10:40 PM - 10:45 PM	51.4	50.9	0.5	7.0	-	47.4	49.6	-2.2
10:45 PM - 10:50 PM	50.5	50.1	0.4	7.0	-	46.5	48.9	-2.4
10:50 PM - 10:55 PM	51.0	50.5	0.5	7.0	-	47.0	49.1	-2.1
10:55 PM - 11:00 PM	51.2	50.6	0.6	7.0	-	47.2	49.4	-2.2
11:00 PM - 11:05 PM	49.9	49.4	0.5	7.0	-	45.9	48.3	-2.4
11:05 PM - 11:10 PM	50.6	50.1	0.5	7.0	-	46.6	48.8	-2.2
11:10 PM - 11:15 PM	50.0	49.8	0.2	7.0	-	46.0	48.8	-2.8
11:15 PM - 11:20 PM	50.0	49.5	0.5	7.0	-	46.0	48.2	-2.2
11:20 PM - 11:25 PM	49.9	49.6	0.3	7.0	-	45.9	48.2	-2.3
11:25 PM - 11:30 PM	48.8	48.5	0.3	7.0	-	44.8	47.8	-3.0
11:30 PM - 11:35 PM	48.9	48.7	0.2	7.0	-	44.9	47.8	-2.9
11:35 PM - 11:40 PM	48.6	52.3	-3.7	7.0	-	44.6	47.2	-2.6
11:40 PM - 11:45 PM	48.9	48.1	0.8	7.0	-	44.9	47.0	-2.1
11:45 PM - 11:50 PM	48.2	48.1	0.1	7.0	-	44.2	47.2	-3.0
11:50 PM - 11:55 PM	47.8	47.6	0.2	7.0	-	43.8	46.6	-2.8
11:55 PM - 12:00 AM	48.4	48.2	0.2	7.0	-	44.4	47.1	-2.7
12:00 AM - 12:05 AM	49.6	49.5	0.1	7.0	-	45.6	47.9	-2.3
12:05 AM - 12:10 AM	48.4	48.2	0.2	7.0	-	44.4	47.4	-3.0
12:10 AM - 12:15 AM	48.7	48.6	0.1	7.0	-	44.7	47.3	-2.6
12:15 AM - 12:20 AM	49.1	48.9	0.2	7.0	-	45.1	47.5	-2.4
12:20 AM - 12:25 AM	48.5	48.3	0.2	7.0	-	44.5	47.5	-3.0
12:25 AM - 12:30 AM	48.9	48.4	0.5	7.0	-	44.9	47.6	-2.7

The above results are valid only for the analyzed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

Approved by

*Wilawan Borirak*

Wilawan Borirak  
Assistant Manager



## Analysis / Test Report

TESTING  
No.0042

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

Lot ID: 22144026  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report Number : 2535148-1

P/O : RJN-BW-012/65  
Project Name : Chonburi Bowin  
Project Location :

Page 2 of 3

Sample No. 22144026-1  
Parameter เสียงรบกวน  
Location N1 : หมู่บ้านบุรพา  
Measurement Date Dec 19 - 20, 2022  
Measurement by Jaradrawee Sriuksa  
Sound Level Meter 00734225

### ระดับเสียง (dB(A))

เวลา	เสียงจาก แหล่งกำเนิด <sup>(A)</sup>	เสียงขณะ ไม่มีการรบกวน <sup>(B)</sup>	ผลต่าง ระดับเสียง <sup>(A-B)</sup>	ตัวปรับค่า <sup>(C)</sup>	ปรับค่าเสียงจากแหล่งกำเนิด <sup>(D)</sup>		เสียงพื้นฐาน <sup>(E)</sup>	ค่าระดับ การรบกวน <sup>(D-E)</sup>
					กลางวัน <sup>(A-C)</sup>	กลางคืน <sup>(A-C)+3</sup>		
12:30 AM - 12:35 AM	49.3	48.9	0.4	7.0	-	45.3	47.9	-2.6
12:35 AM - 12:40 AM	49.7	49.5	0.2	7.0	-	45.7	48.2	-2.5
12:40 AM - 12:45 AM	49.8	50.2	-0.4	7.0	-	45.8	48.1	-2.3
12:45 AM - 12:50 AM	48.9	48.6	0.3	7.0	-	44.9	47.6	-2.7
12:50 AM - 12:55 AM	48.2	48.0	0.2	7.0	-	44.2	47.3	-3.1
12:55 AM - 01:00 AM	48.7	48.4	0.3	7.0	-	44.7	47.2	-2.5
01:00 AM - 01:05 AM	48.6	48.5	0.1	7.0	-	44.6	47.3	-2.7
01:05 AM - 01:10 AM	48.8	48.7	0.1	7.0	-	44.8	47.6	-2.8
01:10 AM - 01:15 AM	49.4	49.0	0.4	7.0	-	45.4	47.8	-2.4
01:15 AM - 01:20 AM	48.6	48.3	0.3	7.0	-	44.6	47.5	-2.9
01:20 AM - 01:25 AM	49.6	49.2	0.4	7.0	-	45.6	48.0	-2.4
01:25 AM - 01:30 AM	50.4	50.1	0.3	7.0	-	46.4	48.6	-2.2
01:30 AM - 01:35 AM	51.3	51.2	0.1	7.0	-	47.3	49.3	-2.0
01:35 AM - 01:40 AM	50.8	50.8	0.0	7.0	-	46.8	48.9	-2.1
01:40 AM - 01:45 AM	50.4	50.2	0.2	7.0	-	46.4	48.6	-2.2
01:45 AM - 01:50 AM	50.4	49.9	0.5	7.0	-	46.4	48.4	-2.0
01:50 AM - 01:55 AM	50.5	50.4	0.1	7.0	-	46.5	48.8	-2.3
01:55 AM - 02:00 AM	50.3	49.8	0.5	7.0	-	46.3	48.7	-2.4
02:00 AM - 02:05 AM	50.0	49.6	0.4	7.0	-	46.0	48.5	-2.5
02:05 AM - 02:10 AM	50.2	50.2	0.0	7.0	-	46.2	48.8	-2.6
02:10 AM - 02:15 AM	49.7	49.3	0.4	7.0	-	45.7	48.3	-2.6
02:15 AM - 02:20 AM	50.7	50.5	0.2	7.0	-	46.7	48.8	-2.1
02:20 AM - 02:25 AM	50.5	50.0	0.5	7.0	-	46.5	48.7	-2.2
02:25 AM - 02:30 AM	50.7	54.6	-3.9	7.0	-	46.7	48.9	-2.2
02:30 AM - 02:35 AM	50.2	49.7	0.5	7.0	-	46.2	48.9	-2.7
02:35 AM - 02:40 AM	49.9	49.5	0.4	7.0	-	45.9	48.5	-2.6
02:40 AM - 02:45 AM	52.8	52.0	0.8	7.0	-	48.8	48.7	0.1
02:45 AM - 02:50 AM	50.3	49.8	0.5	7.0	-	46.3	48.7	-2.4
02:50 AM - 02:55 AM	50.1	49.6	0.5	7.0	-	46.1	48.4	-2.3
02:55 AM - 03:00 AM	49.7	49.3	0.4	7.0	-	45.7	48.5	-2.8
03:00 AM - 03:05 AM	50.3	49.9	0.4	7.0	-	46.3	48.5	-2.2
03:05 AM - 03:10 AM	50.1	49.7	0.4	7.0	-	46.1	48.2	-2.1
03:10 AM - 03:15 AM	49.6	49.3	0.3	7.0	-	45.6	48.4	-2.8
03:15 AM - 03:20 AM	50.6	50.0	0.6	7.0	-	46.6	48.6	-2.0
03:20 AM - 03:25 AM	50.4	50.1	0.3	7.0	-	46.4	48.6	-2.2
03:25 AM - 03:30 AM	50.9	50.3	0.6	7.0	-	46.9	48.4	-1.5
03:30 AM - 03:35 AM	49.4	49.3	0.1	7.0	-	45.4	48.1	-2.7
03:35 AM - 03:40 AM	49.4	49.5	-0.1	7.0	-	45.4	47.9	-2.5
03:40 AM - 03:45 AM	49.4	49.0	0.4	7.0	-	45.4	48.2	-2.8
03:45 AM - 03:50 AM	49.0	48.7	0.3	7.0	-	45.0	47.8	-2.8

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Approved by

Wilawan Borirak  
Assistant Manager



## Analysis / Test Report

TESTING  
No.0042

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

Lot ID: 22144026  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report Number : 2535148-1

P/O : RJN-BW-012/65

Project Name : Chonburi Bowin

Project Location :

Page 3 of 3

Sample No. 22144026-1  
Parameter เสียงรบกวน  
Location N1 : หมู่บ้านบุรพา  
Measurement Date Dec 19 - 20, 2022  
Measurement by Jaradrawee Sriruksa  
Sound Level Meter 00734225

### ระดับเสียง (dB(A))

เวลา	เสียงจากแหล่งกำเนิด (A)	เสียงขณะไม่มีการรบกวน (B)	ผลต่างระดับเสียง (A-B)	ตัวปรับค่า (C)	ปรับค่าเสียงจากแหล่งกำเนิด (D)		เสียงพื้นฐาน (E)	ค่าระดับการรบกวน (D-E)
					กลางวัน (A-C)	กลางคืน (A-C)+3		
03:50 AM - 03:55 AM	49.2	48.9	0.3	7.0	-	45.2	47.9	-2.7
03:55 AM - 04:00 AM	50.0	49.7	0.3	7.0	-	46.0	48.3	-2.3
04:00 AM - 04:05 AM	49.5	49.2	0.3	7.0	-	45.5	48.2	-2.7
04:05 AM - 04:10 AM	51.8	50.6	1.2	7.0	-	47.8	48.3	-0.5
04:10 AM - 04:15 AM	49.1	48.7	0.4	7.0	-	45.1	47.9	-2.8
04:15 AM - 04:20 AM	49.8	49.3	0.5	7.0	-	45.8	48.0	-2.2
04:20 AM - 04:25 AM	51.4	51.0	0.4	7.0	-	47.4	48.8	-1.4
04:25 AM - 04:30 AM	49.7	49.1	0.6	7.0	-	45.7	48.0	-2.3
04:30 AM - 04:35 AM	52.7	51.7	1.0	7.0	-	48.7	48.4	0.3
04:35 AM - 04:40 AM	60.2	57.2	3.0	3.0	-	60.2	48.8	11.4
04:40 AM - 04:45 AM	57.3	55.6	1.7	4.5	-	55.8	48.4	7.4
04:45 AM - 04:50 AM	53.9	51.7	2.2	4.5	-	52.4	48.3	4.1
04:50 AM - 04:55 AM	49.5	49.1	0.4	7.0	-	45.5	48.3	-2.8
04:55 AM - 05:00 AM	50.1	49.7	0.4	7.0	-	46.1	48.5	-2.4
05:00 AM - 05:05 AM	50.5	49.8	0.7	7.0	-	46.5	48.6	-2.1
05:05 AM - 05:10 AM	65.4	61.0	4.4	2.0	-	66.4	48.9	17.5
05:10 AM - 05:15 AM	62.5	57.8	4.7	1.5	-	64.0	49.1	14.9
05:15 AM - 05:20 AM	63.4	59.1	4.3	2.0	-	64.4	49.4	15.0
05:20 AM - 05:25 AM	61.1	58.2	2.9	3.0	-	61.1	49.5	11.6
05:25 AM - 05:30 AM	61.6	57.8	3.8	2.0	-	62.6	49.7	12.9
05:30 AM - 05:35 AM	63.3	58.7	4.6	1.5	-	64.8	49.4	15.4
05:35 AM - 05:40 AM	58.0	55.1	2.9	3.0	-	58.0	49.3	8.7
05:40 AM - 05:45 AM	56.8	53.4	3.4	3.0	-	56.8	49.5	7.3
05:45 AM - 05:50 AM	51.3	50.6	0.7	7.0	-	47.3	49.5	-2.2
05:50 AM - 05:55 AM	52.0	51.2	0.8	7.0	-	48.0	49.8	-1.8
05:55 AM - 06:00 AM	51.6	50.9	0.7	7.0	-	47.6	49.5	-1.9
06:00 AM - 07:00 AM	58.4	56.4	2.0	4.5	53.9	-	51.2	2.7
07:00 AM - 08:00 AM	66.2	58.0	8.2	0.5	65.7	-	53.2	12.5
08:00 AM - 09:00 AM	58.1	56.8	1.3	7.0	51.1	-	53.9	-2.8
09:00 AM - 10:00 AM	61.7	58.5	3.2	3.0	58.7	-	54.4	4.3
10:00 AM - 11:00 AM	61.5	59.2	2.3	4.5	57.0	-	55.7	1.3
11:00 AM - 12:00 PM	59.2	57.4	1.8	4.5	54.7	-	53.8	0.9

ค่ามาตรฐาน

≤ 10

Reference Method : ISO 1996-1

### มาตรฐาน

- ประกาศกระทรวงอุตสาหกรรม เรื่อง กำหนดค่าระดับเสียงการรบกวนและระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548
  - ประกาศกรมโรงงานอุตสาหกรรม เรื่อง วิธีการตรวจวัดระดับเสียงรบกวน ระดับเสียงเฉลี่ย 24 ชั่วโมง และระดับเสียงสูงสุดที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2553
  - ประกาศกระทรวงสาธารณสุข เรื่อง กำหนดค่ามาตรฐานมลพิษทางเสียงอันเกิดจากการประกอบกิจการที่เป็นอันตรายต่อสุขภาพ พ.ศ. 2561
- ระดับเสียงจากแหล่งกำเนิด ทำการตรวจวัด วันที่ 19-20 ธันวาคม 2565  
ระดับเสียงพื้นฐานและระดับเสียงขณะไม่มีการรบกวน (Sample No.22144028-1 วันที่ตรวจวัด 19-20 ธันวาคม 2565)

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Approved by

Wilawan Borirak  
Assistant Manager



## Analysis / Test Report

TESTING  
No.0042

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

Lot ID: 22144026  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report Number : 2535149-1

P/O : RJN-BW-012/65  
Project Name : Chonburi Bowin  
Project Location :

Page 1 of 3

Sample No. 22144026-2  
Parameter เสียงรบกวน  
Location N1 : หมู่บ้านบุรพา  
Measurement Date Dec 20 - 21, 2022  
Measurement by Jaradrawee Sriuksa  
Sound Level Meter 00734225

### ระดับเสียง (dB(A))

เวลา	เสียงจาก แหล่งกำเนิด (A)	เสียงขณะ ไม่มีการรบกวน (B)	ผลต่าง ระดับเสียง (A-B)	ตัวปรับค่า (C)	ปรับค่าเสียงจากแหล่งกำเนิด (B)		เสียงพื้นฐาน (E)	ค่าระดับ การรบกวน (D-E)
	กลางวัน (A-C)	กลางคืน (A-C)+3			กลางวัน (A-C)	กลางคืน (A-C)+3		
12:00 PM - 01:00 PM	57.9	55.1	2.8	3.0	54.9	-	51.4	3.5
01:00 PM - 02:00 PM	58.2	56.3	1.9	4.5	53.7	-	53.1	0.6
02:00 PM - 03:00 PM	56.3	54.7	1.6	4.5	51.8	-	50.7	1.1
03:00 PM - 04:00 PM	54.6	54.0	0.6	7.0	47.6	-	50.8	-3.2
04:00 PM - 05:00 PM	56.6	54.9	1.7	4.5	52.1	-	51.5	0.6
05:00 PM - 06:00 PM	55.9	53.8	2.1	4.5	51.4	-	51.6	-0.2
06:00 PM - 07:00 PM	53.0	52.0	1.0	7.0	46.0	-	50.7	-4.7
07:00 PM - 08:00 PM	54.0	53.0	1.0	7.0	47.0	-	51.5	-4.5
08:00 PM - 09:00 PM	53.8	52.9	0.9	7.0	46.8	-	51.3	-4.5
09:00 PM - 10:00 PM	51.9	51.2	0.7	7.0	44.9	-	49.3	-4.4
10:00 PM - 10:05 PM	53.5	52.9	0.6	7.0	-	49.5	50.0	-0.5
10:05 PM - 10:10 PM	51.5	50.7	0.8	7.0	-	47.5	49.5	-2.0
10:10 PM - 10:15 PM	51.2	50.5	0.7	7.0	-	47.2	49.4	-2.2
10:15 PM - 10:20 PM	52.8	52.5	0.3	7.0	-	48.8	49.9	-1.1
10:20 PM - 10:25 PM	52.2	51.4	0.8	7.0	-	48.2	50.1	-1.9
10:25 PM - 10:30 PM	51.6	50.8	0.8	7.0	-	47.6	49.6	-2.0
10:30 PM - 10:35 PM	52.3	51.3	1.0	7.0	-	48.3	49.9	-1.6
10:35 PM - 10:40 PM	52.0	51.7	0.3	7.0	-	48.0	49.7	-1.7
10:40 PM - 10:45 PM	51.9	55.0	-3.1	7.0	-	47.9	49.4	-1.5
10:45 PM - 10:50 PM	53.9	53.1	0.8	7.0	-	49.9	49.9	0.0
10:50 PM - 10:55 PM	50.7	50.0	0.7	7.0	-	46.7	48.0	-1.3
10:55 PM - 11:00 PM	51.0	50.8	0.2	7.0	-	47.0	48.8	-1.8
11:00 PM - 11:05 PM	50.5	50.3	0.2	7.0	-	46.5	47.7	-1.2
11:05 PM - 11:10 PM	52.8	52.1	0.7	7.0	-	48.8	48.9	-0.1
11:10 PM - 11:15 PM	50.0	49.3	0.7	7.0	-	46.0	48.0	-2.0
11:15 PM - 11:20 PM	49.3	48.7	0.6	7.0	-	45.3	47.3	-2.0
11:20 PM - 11:25 PM	48.4	48.0	0.4	7.0	-	44.4	47.4	-3.0
11:25 PM - 11:30 PM	49.0	48.6	0.4	7.0	-	45.0	47.9	-2.9
11:30 PM - 11:35 PM	49.8	49.1	0.7	7.0	-	45.8	48.2	-2.4
11:35 PM - 11:40 PM	49.6	49.2	0.4	7.0	-	45.6	48.4	-2.8
11:40 PM - 11:45 PM	50.7	49.9	0.8	7.0	-	46.7	49.1	-2.4
11:45 PM - 11:50 PM	50.1	49.6	0.5	7.0	-	46.1	48.5	-2.4
11:50 PM - 11:55 PM	49.3	48.7	0.6	7.0	-	45.3	47.8	-2.5
11:55 PM - 12:00 AM	48.9	48.4	0.5	7.0	-	44.9	47.2	-2.3
12:00 AM - 12:05 AM	49.7	49.1	0.6	7.0	-	45.7	48.1	-2.4
12:05 AM - 12:10 AM	49.8	49.3	0.5	7.0	-	45.8	48.0	-2.2
12:10 AM - 12:15 AM	51.7	50.7	1.0	7.0	-	47.7	47.5	0.2
12:15 AM - 12:20 AM	50.3	50.0	0.3	7.0	-	46.3	48.0	-1.7
12:20 AM - 12:25 AM	49.7	49.7	0.0	7.0	-	45.7	47.9	-2.2
12:25 AM - 12:30 AM	50.0	49.3	0.7	7.0	-	46.0	48.2	-2.2

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Approved by

Wilawan Borirak  
Assistant Manager





## Analysis / Test Report

TESTING  
No.0042

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

Lot ID: 22144026  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report Number : 2535149-1

P/O : RJN-BW-012/65

Project Name : Chonburi Bowin

Project Location :

Page 2 of 3

Sample No. 22144026-2  
Parameter เสียงรบกวน  
Location N1 : หมู่บ้านบุรพา  
Measurement Date Dec 20 - 21, 2022  
Measurement by Jaradrawee Sriuksa  
Sound Level Meter 00734225

### ระดับเสียง (dB(A))

เวลา	เสียงจาก แหล่งกำเนิด (A)	เสียงขณะ ไม่มีการรบกวน (B)	ผลต่าง ระดับเสียง (A-B)	ตัวปรับค่า (C)	ปรับค่าเสียงจากแหล่งกำเนิด (D)		เสียงพื้นฐาน (E)	ค่าระดับ การรบกวน (D-E)
					กลางวัน (A-C)	กลางคืน (A-C)+3		
12:30 AM - 12:35 AM	50.9	50.1	0.8	7.0	-	46.9	48.1	-1.2
12:35 AM - 12:40 AM	48.9	48.3	0.6	7.0	-	44.9	47.0	-2.1
12:40 AM - 12:45 AM	49.9	49.1	0.8	7.0	-	45.9	47.8	-1.9
12:45 AM - 12:50 AM	49.2	49.0	0.2	7.0	-	45.2	47.2	-2.0
12:50 AM - 12:55 AM	50.2	49.5	0.7	7.0	-	46.2	47.7	-1.5
12:55 AM - 01:00 AM	49.6	49.4	0.2	7.0	-	45.6	47.7	-2.1
01:00 AM - 01:05 AM	50.5	50.2	0.3	7.0	-	46.5	47.2	-0.7
01:05 AM - 01:10 AM	48.2	47.9	0.3	7.0	-	44.2	46.9	-2.7
01:10 AM - 01:15 AM	49.2	49.0	0.2	7.0	-	45.2	47.5	-2.3
01:15 AM - 01:20 AM	49.0	48.3	0.7	7.0	-	45.0	47.2	-2.2
01:20 AM - 01:25 AM	49.5	48.6	0.9	7.0	-	45.5	47.8	-2.3
01:25 AM - 01:30 AM	49.5	49.1	0.4	7.0	-	45.5	47.9	-2.4
01:30 AM - 01:35 AM	48.7	47.7	1.0	7.0	-	44.7	46.9	-2.2
01:35 AM - 01:40 AM	50.6	49.9	0.7	7.0	-	46.6	47.1	-0.5
01:40 AM - 01:45 AM	49.1	48.7	0.4	7.0	-	45.1	47.1	-2.0
01:45 AM - 01:50 AM	49.3	48.7	0.6	7.0	-	45.3	47.2	-1.9
01:50 AM - 01:55 AM	49.6	48.6	1.0	7.0	-	45.6	47.0	-1.4
01:55 AM - 02:00 AM	49.8	49.0	0.8	7.0	-	45.8	47.8	-2.0
02:00 AM - 02:05 AM	50.5	49.0	1.5	4.5	-	49.0	47.6	1.4
02:05 AM - 02:10 AM	49.4	48.6	0.8	7.0	-	45.4	47.7	-2.3
02:10 AM - 02:15 AM	48.8	48.7	0.1	7.0	-	44.8	47.6	-2.8
02:15 AM - 02:20 AM	49.4	49.0	0.4	7.0	-	45.4	47.8	-2.4
02:20 AM - 02:25 AM	48.4	48.2	0.2	7.0	-	44.4	47.0	-2.6
02:25 AM - 02:30 AM	48.6	48.6	0.0	7.0	-	44.6	47.3	-2.7
02:30 AM - 02:35 AM	48.8	48.5	0.3	7.0	-	44.8	47.6	-2.8
02:35 AM - 02:40 AM	48.6	48.6	0.0	7.0	-	44.6	47.3	-2.7
02:40 AM - 02:45 AM	47.8	47.6	0.2	7.0	-	43.8	46.6	-2.8
02:45 AM - 02:50 AM	48.1	48.2	-0.1	7.0	-	44.1	46.8	-2.7
02:50 AM - 02:55 AM	48.0	47.9	0.1	7.0	-	44.0	46.9	-2.9
02:55 AM - 03:00 AM	48.8	48.7	0.1	7.0	-	44.8	47.4	-2.6
03:00 AM - 03:05 AM	49.6	51.2	-1.6	7.0	-	45.6	47.4	-1.8
03:05 AM - 03:10 AM	48.6	48.7	-0.1	7.0	-	44.6	47.1	-2.5
03:10 AM - 03:15 AM	49.9	49.6	0.3	7.0	-	45.9	48.1	-2.2
03:15 AM - 03:20 AM	49.2	48.9	0.3	7.0	-	45.2	48.0	-2.8
03:20 AM - 03:25 AM	53.2	52.4	0.8	7.0	-	49.2	48.2	1.0
03:25 AM - 03:30 AM	52.6	51.9	0.7	7.0	-	48.6	47.6	1.0
03:30 AM - 03:35 AM	50.5	50.4	0.1	7.0	-	46.5	48.9	-2.4
03:35 AM - 03:40 AM	50.9	50.4	0.5	7.0	-	46.9	49.2	-2.3
03:40 AM - 03:45 AM	50.9	50.6	0.3	7.0	-	46.9	49.4	-2.5
03:45 AM - 03:50 AM	50.9	50.4	0.5	7.0	-	46.9	49.0	-2.1

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Approved by

Wilawan Borirak  
Assistant Manager





## Analysis / Test Report

TESTING  
No.0042

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

Lot ID: 22144026  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report Number : 2535149-1

P/O : RJN-BW-012/65

Project Name : Chonburi Bowin

Project Location :

Page 3 of 3

Sample No. 22144026-2  
Parameter เสียงรบกวน  
Location N1 : หมู่บ้านบุรพา  
Measurement Date Dec 20 - 21, 2022  
Measurement by Jaradrawee Sriruksa  
Sound Level Meter 00734225

### ระดับเสียง (dB(A))

เวลา	เสียงจากแหล่งกำเนิด (A)	เสียงขณะไม่มีการรบกวน (B)	ผลต่างระดับเสียง (A-B)	ตัวปรับค่า (C)	ปรับค่าเสียงจากแหล่งกำเนิด (D)		เสียงพื้นฐาน (E)	ค่าระดับการรบกวน (D-E)
					กลางวัน (A-C)	กลางคืน (A-C)+3		
03:50 AM - 03:55 AM	50.6	50.3	0.3	7.0	-	46.6	48.7	-2.1
03:55 AM - 04:00 AM	59.8	57.4	2.4	4.5	-	58.3	49.5	8.8
04:00 AM - 04:05 AM	58.7	56.1	2.6	3.0	-	58.7	49.2	9.5
04:05 AM - 04:10 AM	56.9	54.6	2.3	4.5	-	55.4	49.0	6.4
04:10 AM - 04:15 AM	56.1	53.2	2.9	3.0	-	56.1	48.4	7.7
04:15 AM - 04:20 AM	54.3	52.8	1.5	4.5	-	52.8	49.0	3.8
04:20 AM - 04:25 AM	53.6	51.8	1.8	4.5	-	52.1	48.7	3.4
04:25 AM - 04:30 AM	52.7	51.4	1.3	7.0	-	48.7	48.4	0.3
04:30 AM - 04:35 AM	54.3	52.3	2.0	4.5	-	52.8	48.6	4.2
04:35 AM - 04:40 AM	51.0	50.3	0.7	7.0	-	47.0	48.9	-1.9
04:40 AM - 04:45 AM	57.6	55.3	2.3	4.5	-	56.1	49.2	6.9
04:45 AM - 04:50 AM	57.6	54.4	3.2	3.0	-	57.6	49.4	8.2
04:50 AM - 04:55 AM	55.8	53.1	2.7	3.0	-	55.8	49.3	6.5
04:55 AM - 05:00 AM	54.1	53.6	0.5	7.0	-	50.1	49.7	0.4
05:00 AM - 05:05 AM	54.3	52.7	1.6	4.5	-	52.8	49.1	3.7
05:05 AM - 05:10 AM	58.1	55.4	2.7	3.0	-	58.1	49.3	8.8
05:10 AM - 05:15 AM	56.8	54.0	2.8	3.0	-	56.8	50.3	6.5
05:15 AM - 05:20 AM	54.1	54.3	-0.2	7.0	-	50.1	50.6	-0.5
05:20 AM - 05:25 AM	54.3	52.7	1.6	4.5	-	52.8	50.5	2.3
05:25 AM - 05:30 AM	52.6	51.9	0.7	7.0	-	48.6	49.8	-1.2
05:30 AM - 05:35 AM	52.4	51.5	0.9	7.0	-	48.4	49.9	-1.5
05:35 AM - 05:40 AM	52.6	51.9	0.7	7.0	-	48.6	50.1	-1.5
05:40 AM - 05:45 AM	52.7	51.8	0.9	7.0	-	48.7	50.8	-2.1
05:45 AM - 05:50 AM	52.4	51.0	1.4	7.0	-	48.4	49.7	-1.3
05:50 AM - 05:55 AM	51.7	51.0	0.7	7.0	-	47.7	49.8	-2.1
05:55 AM - 06:00 AM	61.0	64.0	-3.0	7.0	-	57.0	50.1	6.9
06:00 AM - 07:00 AM	64.6	60.9	3.7	2.0	62.6	-	52.6	10.0
07:00 AM - 08:00 AM	58.4	61.1	-2.7	7.0	51.4	-	52.5	-1.1
08:00 AM - 09:00 AM	58.6	57.2	1.4	7.0	51.6	-	54.4	-2.8
09:00 AM - 10:00 AM	62.5	59.3	3.2	3.0	59.5	-	54.6	4.9
10:00 AM - 11:00 AM	61.7	58.2	3.5	2.0	59.7	-	53.4	6.3
11:00 AM - 12:00 PM	61.1	63.4	-2.3	7.0	54.1	-	54.3	-0.2

ค่ามาตรฐาน

≤ 10

Reference Method : ISO 1996-1

### มาตรฐาน

- ประกาศกระทรวงอุตสาหกรรม เรื่อง กำหนดค่าระดับเสียงการรบกวนและระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548
  - ประกาศกรมโรงงานอุตสาหกรรม เรื่อง วิธีการตรวจวัดระดับเสียงรบกวน ระดับเสียงเฉลี่ย 24 ชั่วโมง และระดับเสียงสูงสุดที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2553
  - ประกาศกระทรวงสาธารณสุข เรื่อง กำหนดค่ามาตรฐานมลพิษทางเสียงอันเกิดจากการประกอบกิจการที่เป็นอันตรายต่อสุขภาพ พ.ศ. 2561
- ระดับเสียงจากแหล่งกำเนิด ทำการตรวจวัด วันที่ 20-21 ธันวาคม 2565  
ระดับเสียงพื้นฐานและระดับเสียงขณะไม่มีการรบกวน (Sample No.22144028-2 วันที่ตรวจวัด 20-21 ธันวาคม 2565)

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Approved by

Wilawan Borirak  
Assistant Manager



## Analysis / Test Report

TESTING  
No.0042

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

Lot ID: 22144026  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report Number : 2535150-1

P/O : RJN-BW-012/65  
Project Name : Chonburi Bowin  
Project Location :

Page 1 of 3

Sample No. 22144026-3  
Parameter เสียงรบกวน  
Location N1 : หมู่บ้านบุรพา  
Measurement Date Dec 21 - 22, 2022  
Measurement by Jaradrawee Sriuksa  
Sound Level Meter 00734225

### ระดับเสียง (dB(A))

เวลา	เสียงจาก แหล่งกำเนิด (A)	เสียงขณะ ไม่มีการรบกวน (B)	ผลต่าง ระดับเสียง (A-B)	ตัวปรับค่า (C)	ปรับค่าเสียงจากแหล่งกำเนิด (B)		เสียงพื้นฐาน (E)	ค่าระดับ การรบกวน (D-E)
					กลางวัน (A-C)	กลางคืน (A-C)+3		
12:00 PM - 01:00 PM	55.1	53.9	1.2	7.0	48.1	-	51.2	-3.1
01:00 PM - 02:00 PM	58.2	57.1	1.1	7.0	51.2	-	52.9	-1.7
02:00 PM - 03:00 PM	57.8	57.0	0.8	7.0	50.8	-	52.2	-1.4
03:00 PM - 04:00 PM	61.0	60.7	0.3	7.0	54.0	-	52.9	1.1
04:00 PM - 05:00 PM	55.3	54.0	1.3	7.0	48.3	-	51.3	-3.0
05:00 PM - 06:00 PM	53.4	51.9	1.5	4.5	48.9	-	50.2	-1.3
06:00 PM - 07:00 PM	54.9	51.9	3.0	3.0	51.9	-	50.1	1.8
07:00 PM - 08:00 PM	55.4	54.6	0.8	7.0	48.4	-	50.9	-2.5
08:00 PM - 09:00 PM	57.8	57.5	0.3	7.0	50.8	-	54.6	-3.8
09:00 PM - 10:00 PM	57.8	56.7	1.1	7.0	50.8	-	54.1	-3.3
10:00 PM - 10:05 PM	55.4	56.7	-1.3	7.0	-	51.4	53.6	-2.2
10:05 PM - 10:10 PM	56.6	57.0	-0.4	7.0	-	52.6	54.3	-1.7
10:10 PM - 10:15 PM	56.9	56.5	0.4	7.0	-	52.9	53.5	-0.6
10:15 PM - 10:20 PM	56.5	56.3	0.2	7.0	-	52.5	53.5	-1.0
10:20 PM - 10:25 PM	56.0	55.9	0.1	7.0	-	52.0	52.4	-0.4
10:25 PM - 10:30 PM	55.8	57.1	-1.3	7.0	-	51.8	53.7	-1.9
10:30 PM - 10:35 PM	56.6	56.8	-0.2	7.0	-	52.6	53.6	-1.0
10:35 PM - 10:40 PM	57.0	56.8	0.2	7.0	-	53.0	53.3	-0.3
10:40 PM - 10:45 PM	56.1	55.8	0.3	7.0	-	52.1	52.8	-0.7
10:45 PM - 10:50 PM	56.1	56.1	0.0	7.0	-	52.1	53.3	-1.2
10:50 PM - 10:55 PM	55.4	55.8	-0.4	7.0	-	51.4	53.1	-1.7
10:55 PM - 11:00 PM	55.6	56.0	-0.4	7.0	-	51.6	52.9	-1.3
11:00 PM - 11:05 PM	55.6	55.2	0.4	7.0	-	51.6	52.5	-0.9
11:05 PM - 11:10 PM	55.7	54.5	1.2	7.0	-	51.7	51.8	-0.1
11:10 PM - 11:15 PM	55.2	55.8	-0.6	7.0	-	51.2	52.6	-1.4
11:15 PM - 11:20 PM	54.8	53.3	1.5	4.5	-	53.3	51.3	2.0
11:20 PM - 11:25 PM	55.3	54.8	0.5	7.0	-	51.3	51.1	0.2
11:25 PM - 11:30 PM	55.1	54.9	0.2	7.0	-	51.1	51.9	-0.8
11:30 PM - 11:35 PM	54.5	54.9	-0.4	7.0	-	50.5	51.6	-1.1
11:35 PM - 11:40 PM	54.8	54.6	0.2	7.0	-	50.8	50.8	0.0
11:40 PM - 11:45 PM	54.8	53.5	1.3	7.0	-	50.8	50.3	0.5
11:45 PM - 11:50 PM	53.3	54.5	-1.2	7.0	-	49.3	51.2	-1.9
11:50 PM - 11:55 PM	53.4	53.4	0.0	7.0	-	49.4	50.4	-1.0
11:55 PM - 12:00 AM	54.4	53.2	1.2	7.0	-	50.4	50.4	0.0
12:00 AM - 12:05 AM	52.8	52.3	0.5	7.0	-	48.8	49.8	-1.0
12:05 AM - 12:10 AM	52.4	51.9	0.5	7.0	-	48.4	50.3	-1.9
12:10 AM - 12:15 AM	52.6	51.8	0.8	7.0	-	48.6	49.6	-1.0
12:15 AM - 12:20 AM	52.8	51.7	1.1	7.0	-	48.8	49.4	-0.6
12:20 AM - 12:25 AM	50.0	52.0	-2.0	7.0	-	46.0	49.8	-3.8
12:25 AM - 12:30 AM	52.0	52.6	-0.6	7.0	-	48.0	49.1	-1.1

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Approved by

*Wilawan Borirak*

Wilawan Borirak  
Assistant Manager



## Analysis / Test Report

TESTING  
No.0042

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

Lot ID: 22144026  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report Number : 2535150-1

P/O : RJN-BW-012/65  
Project Name : Chonburi Bowin  
Project Location :

Page 2 of 3

Sample No. 22144026-3  
Parameter เสียงรบกวน  
Location N1 : หมู่บ้านบุรพา  
Measurement Date Dec 21 - 22, 2022  
Measurement by Jaradrawee Sriuksa  
Sound Level Meter 00734225

### ระดับเสียง (dB(A))

เวลา	เสียงจาก แหล่งกำเนิด (A)	เสียงขณะ ไม่มีการรบกวน (B)	ผลต่าง ระดับเสียง (A-B)	ตัวปรับค่า (C)	ปรับค่าเสียงจากแหล่งกำเนิด (D)		เสียงพื้นฐาน (E)	ค่าระดับ การรบกวน (D-E)
					กลางวัน (A-C)	กลางคืน (A-C)+3		
12:30 AM - 12:35 AM	51.5	50.2	1.3	7.0	-	47.5	48.7	-1.2
12:35 AM - 12:40 AM	51.4	52.1	-0.7	7.0	-	47.4	49.4	-2.0
12:40 AM - 12:45 AM	50.6	51.3	-0.7	7.0	-	46.6	49.2	-2.6
12:45 AM - 12:50 AM	51.5	51.5	0.0	7.0	-	47.5	49.6	-2.1
12:50 AM - 12:55 AM	50.2	51.5	-1.3	7.0	-	46.2	49.3	-3.1
12:55 AM - 01:00 AM	51.9	50.4	1.5	4.5	-	50.4	48.9	1.5
01:00 AM - 01:05 AM	50.7	50.9	-0.2	7.0	-	46.7	49.0	-2.3
01:05 AM - 01:10 AM	50.0	49.6	0.4	7.0	-	46.0	48.8	-2.8
01:10 AM - 01:15 AM	49.9	50.2	-0.3	7.0	-	45.9	49.2	-3.3
01:15 AM - 01:20 AM	49.3	50.1	-0.8	7.0	-	45.3	49.1	-3.8
01:20 AM - 01:25 AM	50.2	50.8	-0.6	7.0	-	46.2	49.3	-3.1
01:25 AM - 01:30 AM	50.2	52.2	-2.0	7.0	-	46.2	49.8	-3.6
01:30 AM - 01:35 AM	51.5	49.8	1.7	4.5	-	50.0	49.1	0.9
01:35 AM - 01:40 AM	51.3	50.2	1.1	7.0	-	47.3	49.1	-1.8
01:40 AM - 01:45 AM	50.0	49.8	0.2	7.0	-	46.0	48.9	-2.9
01:45 AM - 01:50 AM	50.1	50.2	-0.1	7.0	-	46.1	49.3	-3.2
01:50 AM - 01:55 AM	50.6	51.0	-0.4	7.0	-	46.6	49.6	-3.0
01:55 AM - 02:00 AM	50.8	50.2	0.6	7.0	-	46.8	49.2	-2.4
02:00 AM - 02:05 AM	50.6	50.4	0.2	7.0	-	46.6	49.4	-2.8
02:05 AM - 02:10 AM	50.1	50.1	0.0	7.0	-	46.1	49.3	-3.2
02:10 AM - 02:15 AM	50.7	50.1	0.6	7.0	-	46.7	49.1	-2.4
02:15 AM - 02:20 AM	50.6	49.6	1.0	7.0	-	46.6	48.6	-2.0
02:20 AM - 02:25 AM	49.9	49.9	0.0	7.0	-	45.9	48.8	-2.9
02:25 AM - 02:30 AM	49.8	50.0	-0.2	7.0	-	45.8	49.1	-3.3
02:30 AM - 02:35 AM	49.8	49.5	0.3	7.0	-	45.8	48.6	-2.8
02:35 AM - 02:40 AM	50.0	50.0	0.0	7.0	-	46.0	49.0	-3.0
02:40 AM - 02:45 AM	49.8	50.5	-0.7	7.0	-	45.8	49.3	-3.5
02:45 AM - 02:50 AM	49.4	49.6	-0.2	7.0	-	45.4	48.8	-3.4
02:50 AM - 02:55 AM	49.9	49.8	0.1	7.0	-	45.9	49.1	-3.2
02:55 AM - 03:00 AM	49.2	50.4	-1.2	7.0	-	45.2	48.8	-3.6
03:00 AM - 03:05 AM	49.6	49.6	0.0	7.0	-	45.6	48.9	-3.3
03:05 AM - 03:10 AM	49.1	49.4	-0.3	7.0	-	45.1	48.8	-3.7
03:10 AM - 03:15 AM	49.4	49.4	0.0	7.0	-	45.4	48.6	-3.2
03:15 AM - 03:20 AM	48.8	49.8	-1.0	7.0	-	44.8	49.0	-4.2
03:20 AM - 03:25 AM	49.6	49.3	0.3	7.0	-	45.6	48.7	-3.1
03:25 AM - 03:30 AM	49.1	49.7	-0.6	7.0	-	45.1	49.0	-3.9
03:30 AM - 03:35 AM	49.3	49.3	0.0	7.0	-	45.3	48.8	-3.5
03:35 AM - 03:40 AM	49.1	49.4	-0.3	7.0	-	45.1	48.9	-3.8
03:40 AM - 03:45 AM	49.1	49.4	-0.3	7.0	-	45.1	48.7	-3.6
03:45 AM - 03:50 AM	49.4	50.0	-0.6	7.0	-	45.4	49.2	-3.8

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Approved by

Wilawan Borirak  
Assistant Manager



## Analysis / Test Report

TESTING  
No.0042

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

Lot ID: 22144026  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report Number : 2535150-1

P/O : RJN-BW-012/65

Project Name : Chonburi Bowin

Project Location :

Page 3 of 3

Sample No. 22144026-3  
Parameter เสียงรบกวน  
Location N1 : หมู่บ้านบุรพา  
Measurement Date Dec 21 - 22, 2022  
Measurement by Jaradrawee Sriruksa  
Sound Level Meter 00734225

### ระดับเสียง (dB(A))

เวลา	เสียงจากแหล่งกำเนิด (A)	เสียงขณะไม่มีการรบกวน (B)	ผลต่างระดับเสียง (A-B)	ตัวปรับค่า (C)	ปรับค่าเสียงจากแหล่งกำเนิด (D)		เสียงพื้นฐาน (E)	ค่าระดับการรบกวน (D-E)
					กลางวัน (A-C)	กลางคืน (A-C)+3		
03:50 AM - 03:55 AM	49.5	50.9	-1.4	7.0	-	45.5	49.1	-3.6
03:55 AM - 04:00 AM	50.2	53.5	-3.3	7.0	-	46.2	49.0	-2.8
04:00 AM - 04:05 AM	53.4	53.0	0.4	7.0	-	49.4	48.6	0.8
04:05 AM - 04:10 AM	54.9	52.3	2.6	3.0	-	54.9	49.2	5.7
04:10 AM - 04:15 AM	54.7	51.0	3.7	2.0	-	55.7	49.0	6.7
04:15 AM - 04:20 AM	53.1	50.4	2.7	3.0	-	53.1	49.2	3.9
04:20 AM - 04:25 AM	52.0	49.5	2.5	3.0	-	52.0	48.9	3.1
04:25 AM - 04:30 AM	50.7	49.8	0.9	7.0	-	46.7	48.5	-1.8
04:30 AM - 04:35 AM	49.6	52.9	-3.3	7.0	-	45.6	48.3	-2.7
04:35 AM - 04:40 AM	53.0	51.3	1.7	4.5	-	51.5	48.6	2.9
04:40 AM - 04:45 AM	53.3	51.6	1.7	4.5	-	51.8	48.7	3.1
04:45 AM - 04:50 AM	51.4	50.2	1.2	7.0	-	47.4	48.4	-1.0
04:50 AM - 04:55 AM	52.3	51.8	0.5	7.0	-	48.3	48.7	-0.4
04:55 AM - 05:00 AM	51.9	52.5	-0.6	7.0	-	47.9	49.0	-1.1
05:00 AM - 05:05 AM	53.4	52.5	0.9	7.0	-	49.4	49.1	0.3
05:05 AM - 05:10 AM	54.2	52.6	1.6	4.5	-	52.7	49.5	3.2
05:10 AM - 05:15 AM	54.5	54.3	0.2	7.0	-	50.5	49.8	0.7
05:15 AM - 05:20 AM	53.5	52.6	0.9	7.0	-	49.5	49.8	-0.3
05:20 AM - 05:25 AM	55.0	52.7	2.3	4.5	-	53.5	49.6	3.9
05:25 AM - 05:30 AM	53.0	50.7	2.3	4.5	-	51.5	49.7	1.8
05:30 AM - 05:35 AM	55.1	51.0	4.1	2.0	-	56.1	50.1	6.0
05:35 AM - 05:40 AM	50.7	52.0	-1.3	7.0	-	46.7	50.4	-3.7
05:40 AM - 05:45 AM	51.3	51.9	-0.6	7.0	-	47.3	50.2	-2.9
05:45 AM - 05:50 AM	53.1	54.1	-1.0	7.0	-	49.1	50.1	-1.0
05:50 AM - 05:55 AM	53.3	53.3	0.0	7.0	-	49.3	50.3	-1.0
05:55 AM - 06:00 AM	54.6	52.6	2.0	4.5	-	53.1	50.5	2.6
06:00 AM - 07:00 AM	56.6	54.8	1.8	4.5	52.1	-	52.1	0.0
07:00 AM - 08:00 AM	57.2	56.8	0.4	7.0	50.2	-	53.1	-2.9
08:00 AM - 09:00 AM	57.5	57.5	0.0	7.0	50.5	-	53.5	-3.0
09:00 AM - 10:00 AM	58.9	57.1	1.8	4.5	54.4	-	53.8	0.6
10:00 AM - 11:00 AM	57.4	56.3	1.1	7.0	50.4	-	53.6	-3.2
11:00 AM - 12:00 PM	58.9	55.2	3.7	2.0	56.9	-	51.4	5.5

ค่ามาตรฐาน

≤ 10

Reference Method : ISO 1996-1

### มาตรฐาน

- ประกาศกระทรวงอุตสาหกรรม เรื่อง กำหนดค่าระดับเสียงการรบกวนและระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548
  - ประกาศกรมโรงงานอุตสาหกรรม เรื่อง วิธีการตรวจวัดระดับเสียงรบกวน ระดับเสียงเฉลี่ย 24 ชั่วโมง และระดับเสียงสูงสุดที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2553
  - ประกาศกระทรวงสาธารณสุข เรื่อง กำหนดค่ามาตรฐานมลพิษทางเสียงอันเกิดจากการประกอบกิจการที่เป็นอันตรายต่อสุขภาพ พ.ศ. 2561
- ระดับเสียงจากแหล่งกำเนิด ทำการตรวจวัด วันที่ 21-22 ธันวาคม 2565  
ระดับเสียงพื้นฐานและระดับเสียงขณะไม่มีการรบกวน (Sample No.22144028-3 วันที่ตรวจวัด 21-22 ธันวาคม 2565)

The above results are valid only for the analyzed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

Approved by

Wilawan Borirak  
Assistant Manager



## Analysis / Test Report

TESTING  
No.0042

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

Lot ID: 22144026  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report Number : 2535151-1

P/O : RJN-BW-012/65  
Project Name : Chonburi Bowin  
Project Location :

Page 1 of 3

Sample No. 22144026-4  
Parameter เสียงรบกวน  
Location N1 : หมู่บ้านบุรพา  
Measurement Date Dec 22 - 23, 2022  
Measurement by Jaradrawee Sriuksa  
Sound Level Meter 00734225

### ระดับเสียง (dB(A))

เวลา	เสียงจาก แหล่งกำเนิด <sup>(A)</sup>	เสียงขณะ ไม่มีการรบกวน <sup>(B)</sup>	ผลต่าง ระดับเสียง <sup>(A-B)</sup>	ตัวปรับค่า <sup>(C)</sup>	ปรับค่าเสียงจากแหล่งกำเนิด <sup>(B)</sup>		เสียงพื้นฐาน <sup>(E)</sup>	ค่าระดับ การรบกวน <sup>(D-E)</sup>
					กลางวัน <sup>(A-C)</sup>	กลางคืน <sup>(A-C)+3</sup>		
12:00 PM - 01:00 PM	53.3	54.0	-0.7	7.0	46.3	-	49.3	-3.0
01:00 PM - 02:00 PM	55.5	54.1	1.4	7.0	48.5	-	50.6	-2.1
02:00 PM - 03:00 PM	52.3	51.5	0.8	7.0	45.3	-	49.2	-3.9
03:00 PM - 04:00 PM	57.7	56.8	0.9	7.0	50.7	-	51.2	-0.5
04:00 PM - 05:00 PM	54.3	52.1	2.2	4.5	49.8	-	50.1	-0.3
05:00 PM - 06:00 PM	58.4	53.7	4.7	1.5	56.9	-	51.3	5.6
06:00 PM - 07:00 PM	59.0	52.7	6.3	1.5	57.5	-	51.2	6.3
07:00 PM - 08:00 PM	60.8	56.6	4.2	2.0	58.8	-	51.5	7.3
08:00 PM - 09:00 PM	60.2	55.5	4.7	1.5	58.7	-	51.9	6.8
09:00 PM - 10:00 PM	60.5	55.7	4.8	1.5	59.0	-	52.0	7.0
10:00 PM - 10:05 PM	60.4	54.8	5.6	1.5	-	61.9	51.0	10.9
10:05 PM - 10:10 PM	60.3	54.7	5.6	1.5	-	61.8	51.7	10.1
10:10 PM - 10:15 PM	60.6	54.4	6.2	1.5	-	62.1	51.4	10.7
10:15 PM - 10:20 PM	60.7	54.3	6.4	1.5	-	62.2	51.8	10.4
10:20 PM - 10:25 PM	60.7	53.6	7.1	1.0	-	62.7	51.0	11.7
10:25 PM - 10:30 PM	60.7	53.0	7.7	0.5	-	63.2	50.3	12.9
10:30 PM - 10:35 PM	60.5	53.1	7.4	1.0	-	62.5	49.9	12.6
10:35 PM - 10:40 PM	60.6	52.5	8.1	0.5	-	63.1	50.1	13.0
10:40 PM - 10:45 PM	60.3	52.5	7.8	0.5	-	62.8	50.2	12.6
10:45 PM - 10:50 PM	59.9	53.0	6.9	1.0	-	61.9	50.5	11.4
10:50 PM - 10:55 PM	59.1	53.4	5.7	1.5	-	60.6	50.7	9.9
10:55 PM - 11:00 PM	59.4	52.6	6.8	1.0	-	61.4	50.3	11.1
11:00 PM - 11:05 PM	58.9	52.0	6.9	1.0	-	60.9	49.9	11.0
11:05 PM - 11:10 PM	59.0	51.3	7.7	0.5	-	61.5	49.8	11.7
11:10 PM - 11:15 PM	59.1	53.2	5.9	1.5	-	60.6	50.6	10.0
11:15 PM - 11:20 PM	59.3	51.9	7.4	1.0	-	61.3	50.4	10.9
11:20 PM - 11:25 PM	59.3	52.1	7.2	1.0	-	61.3	50.2	11.1
11:25 PM - 11:30 PM	59.7	51.4	8.3	0.5	-	62.2	49.8	12.4
11:30 PM - 11:35 PM	59.4	51.7	7.7	0.5	-	61.9	49.6	12.3
11:35 PM - 11:40 PM	59.5	50.6	8.9	0.5	-	62.0	49.7	12.3
11:40 PM - 11:45 PM	59.2	51.2	8.0	0.5	-	61.7	49.8	11.9
11:45 PM - 11:50 PM	59.2	51.2	8.0	0.5	-	61.7	49.8	11.9
11:50 PM - 11:55 PM	59.0	50.5	8.5	0.5	-	61.5	49.5	12.0
11:55 PM - 12:00 AM	59.0	49.6	9.4	0.5	-	61.5	48.9	12.6
12:00 AM - 12:05 AM	57.3	50.7	6.6	1.0	-	59.3	49.3	10.0
12:05 AM - 12:10 AM	54.4	50.9	3.5	2.0	-	55.4	49.7	5.7
12:10 AM - 12:15 AM	54.4	50.8	3.6	2.0	-	55.4	49.4	6.0
12:15 AM - 12:20 AM	54.9	50.2	4.7	1.5	-	56.4	49.3	7.1
12:20 AM - 12:25 AM	54.8	50.1	4.7	1.5	-	56.3	48.8	7.5
12:25 AM - 12:30 AM	49.7	50.8	-1.1	7.0	-	45.7	49.3	-3.6

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Approved by

Wilawan Borirak  
Assistant Manager



## Analysis / Test Report

TESTING  
No.0042

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

Lot ID: 22144026  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report Number : 2535151-1

P/O : RJN-BW-012/65  
Project Name : Chonburi Bowin  
Project Location :

Page 2 of 3

Sample No. 22144026-4  
Parameter เสียงรบกวน  
Location N1 : หมู่บ้านบุรพา  
Measurement Date Dec 22 - 23, 2022  
Measurement by Jaradrawee Sriuksa  
Sound Level Meter 00734225

### ระดับเสียง (dB(A))

เวลา	เสียงจาก แหล่งกำเนิด (A)	เสียงขณะ ไม่มีการรบกวน (B)	ผลต่าง ระดับเสียง (A-B)	ตัวปรับค่า (C)	ปรับค่าเสียงจากแหล่งกำเนิด (D)		เสียงพื้นฐาน (E)	ค่าระดับ การรบกวน (D-E)
					กลางวัน (A-C)	กลางคืน (A-C)+3		
12:30 AM - 12:35 AM	51.2	51.1	0.1	7.0	-	47.2	49.3	-2.1
12:35 AM - 12:40 AM	51.0	51.2	-0.2	7.0	-	47.0	49.3	-2.3
12:40 AM - 12:45 AM	51.1	51.2	-0.1	7.0	-	47.1	49.9	-2.8
12:45 AM - 12:50 AM	51.6	50.5	1.1	7.0	-	47.6	49.3	-1.7
12:50 AM - 12:55 AM	50.8	50.8	0.0	7.0	-	46.8	49.0	-2.2
12:55 AM - 01:00 AM	51.4	49.9	1.5	4.5	-	49.9	48.6	1.3
01:00 AM - 01:05 AM	50.1	50.3	-0.2	7.0	-	46.1	48.5	-2.4
01:05 AM - 01:10 AM	50.3	51.1	-0.8	7.0	-	46.3	49.1	-2.8
01:10 AM - 01:15 AM	50.1	49.8	0.3	7.0	-	46.1	48.6	-2.5
01:15 AM - 01:20 AM	50.6	51.5	-0.9	7.0	-	46.6	48.4	-1.8
01:20 AM - 01:25 AM	50.1	52.1	-2.0	7.0	-	46.1	48.6	-2.5
01:25 AM - 01:30 AM	53.2	49.6	3.6	2.0	-	54.2	48.5	5.7
01:30 AM - 01:35 AM	51.7	49.9	1.8	4.5	-	50.2	48.2	2.0
01:35 AM - 01:40 AM	50.5	48.8	1.7	4.5	-	49.0	48.0	1.0
01:40 AM - 01:45 AM	50.5	49.0	1.5	4.5	-	49.0	48.4	0.6
01:45 AM - 01:50 AM	48.8	49.2	-0.4	7.0	-	44.8	48.5	-3.7
01:50 AM - 01:55 AM	49.7	49.2	0.5	7.0	-	45.7	48.8	-3.1
01:55 AM - 02:00 AM	49.2	49.7	-0.5	7.0	-	45.2	49.1	-3.9
02:00 AM - 02:05 AM	49.0	50.1	-1.1	7.0	-	45.0	49.5	-4.5
02:05 AM - 02:10 AM	49.5	49.9	-0.4	7.0	-	45.5	48.9	-3.4
02:10 AM - 02:15 AM	50.2	49.2	1.0	7.0	-	46.2	48.4	-2.2
02:15 AM - 02:20 AM	49.3	49.0	0.3	7.0	-	45.3	48.4	-3.1
02:20 AM - 02:25 AM	48.8	49.8	-1.0	7.0	-	44.8	48.3	-3.5
02:25 AM - 02:30 AM	49.2	48.7	0.5	7.0	-	45.2	48.1	-2.9
02:30 AM - 02:35 AM	49.1	49.6	-0.5	7.0	-	45.1	48.6	-3.5
02:35 AM - 02:40 AM	48.6	49.3	-0.7	7.0	-	44.6	48.5	-3.9
02:40 AM - 02:45 AM	49.5	48.9	0.6	7.0	-	45.5	48.3	-2.8
02:45 AM - 02:50 AM	48.9	49.6	-0.7	7.0	-	44.9	48.9	-4.0
02:50 AM - 02:55 AM	49.2	49.2	0.0	7.0	-	45.2	48.7	-3.5
02:55 AM - 03:00 AM	49.2	49.5	-0.3	7.0	-	45.2	48.9	-3.7
03:00 AM - 03:05 AM	48.8	49.5	-0.7	7.0	-	44.8	48.8	-4.0
03:05 AM - 03:10 AM	49.3	49.6	-0.3	7.0	-	45.3	48.7	-3.4
03:10 AM - 03:15 AM	49.9	50.0	-0.1	7.0	-	45.9	48.8	-2.9
03:15 AM - 03:20 AM	50.1	50.0	0.1	7.0	-	46.1	48.9	-2.8
03:20 AM - 03:25 AM	49.7	51.1	-1.4	7.0	-	45.7	48.7	-3.0
03:25 AM - 03:30 AM	52.6	51.1	1.5	4.5	-	51.1	49.0	2.1
03:30 AM - 03:35 AM	51.5	50.8	0.7	7.0	-	47.5	48.8	-1.3
03:35 AM - 03:40 AM	51.7	50.2	1.5	4.5	-	50.2	48.9	1.3
03:40 AM - 03:45 AM	50.3	50.8	-0.5	7.0	-	46.3	49.4	-3.1
03:45 AM - 03:50 AM	51.8	50.9	0.9	7.0	-	47.8	49.2	-1.4

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Approved by

Wilawan Borirak  
Assistant Manager





## Analysis / Test Report

TESTING  
No.0042

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

Lot ID: 22144026  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report Number : 2535151-1

P/O : RJN-BW-012/65

Project Name : Chonburi Bowin

Project Location :

Page 3 of 3

Sample No. 22144026-4  
Parameter เสียงรบกวน  
Location N1 : หมู่บ้านบุรพา  
Measurement Date Dec 22 - 23, 2022  
Measurement by Jaradrawee Sriruksa  
Sound Level Meter 00734225

### ระดับเสียง (dB(A))

เวลา	เสียงจากแหล่งกำเนิด (A)	เสียงขณะไม่มีการรบกวน (B)	ผลต่างระดับเสียง (A-B)	ตัวปรับค่า (C)	ปรับค่าเสียงจากแหล่งกำเนิด (D)		เสียงพื้นฐาน (E)	ค่าระดับการรบกวน (D-E)
					กลางวัน (A-C)	กลางคืน (A-C)+3		
03:50 AM - 03:55 AM	52.4	49.7	2.7	3.0	-	52.4	48.7	3.7
03:55 AM - 04:00 AM	51.3	50.0	1.3	7.0	-	47.3	49.0	-1.7
04:00 AM - 04:05 AM	50.0	56.0	-6.0	7.0	-	46.0	48.9	-2.9
04:05 AM - 04:10 AM	54.8	55.8	-1.0	7.0	-	50.8	49.0	1.8
04:10 AM - 04:15 AM	57.3	55.5	1.8	4.5	-	55.8	49.3	6.5
04:15 AM - 04:20 AM	57.5	53.4	4.1	2.0	-	58.5	49.3	9.2
04:20 AM - 04:25 AM	56.7	51.3	5.4	1.5	-	58.2	49.7	8.5
04:25 AM - 04:30 AM	53.3	51.2	2.1	4.5	-	51.8	50.1	1.7
04:30 AM - 04:35 AM	51.2	51.4	-0.2	7.0	-	47.2	50.2	-3.0
04:35 AM - 04:40 AM	51.7	51.7	0.0	7.0	-	47.7	50.4	-2.7
04:40 AM - 04:45 AM	51.8	54.0	-2.2	7.0	-	47.8	50.3	-2.5
04:45 AM - 04:50 AM	54.5	55.2	-0.7	7.0	-	50.5	50.2	0.3
04:50 AM - 04:55 AM	56.1	55.0	1.1	7.0	-	52.1	50.1	2.0
04:55 AM - 05:00 AM	56.8	53.1	3.7	2.0	-	57.8	50.3	7.5
05:00 AM - 05:05 AM	56.0	55.3	0.7	7.0	-	52.0	50.8	1.2
05:05 AM - 05:10 AM	55.1	55.2	-0.1	7.0	-	51.1	50.7	0.4
05:10 AM - 05:15 AM	56.5	55.5	1.0	7.0	-	52.5	51.1	1.4
05:15 AM - 05:20 AM	57.5	55.2	2.3	4.5	-	56.0	51.0	5.0
05:20 AM - 05:25 AM	57.4	55.3	2.1	4.5	-	55.9	51.6	4.3
05:25 AM - 05:30 AM	57.3	55.3	2.0	4.5	-	55.8	50.9	4.9
05:30 AM - 05:35 AM	57.1	55.0	2.1	4.5	-	55.6	50.8	4.8
05:35 AM - 05:40 AM	57.0	53.8	3.2	3.0	-	57.0	51.1	5.9
05:40 AM - 05:45 AM	56.4	51.7	4.7	1.5	-	57.9	50.9	7.0
05:45 AM - 05:50 AM	54.0	53.0	1.0	7.0	-	50.0	50.5	-0.5
05:50 AM - 05:55 AM	53.5	53.8	-0.3	7.0	-	49.5	50.5	-1.0
05:55 AM - 06:00 AM	55.1	55.1	0.0	7.0	-	51.1	51.6	-0.5
06:00 AM - 07:00 AM	57.3	55.8	1.5	4.5	52.8	-	51.7	1.1
07:00 AM - 08:00 AM	62.3	57.8	4.5	1.5	60.8	-	51.1	9.7
08:00 AM - 09:00 AM	54.7	53.2	1.5	4.5	50.2	-	48.2	2.0
09:00 AM - 10:00 AM	68.8	61.4	7.4	1.0	67.8	-	49.5	18.3
10:00 AM - 11:00 AM	53.0	52.1	0.9	7.0	46.0	-	49.2	-3.2
11:00 AM - 12:00 PM	54.3	57.2	-2.9	7.0	47.3	-	49.9	-2.6

ค่ามาตรฐาน

≤ 10

Reference Method : ISO 1996-1

### มาตรฐาน

- ประกาศกระทรวงอุตสาหกรรม เรื่อง กำหนดค่าระดับเสียงการรบกวนและระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548
  - ประกาศกรมโรงงานอุตสาหกรรม เรื่อง วิธีการตรวจวัดระดับเสียงรบกวน ระดับเสียงเฉลี่ย 24 ชั่วโมง และระดับเสียงสูงสุดที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2553
  - ประกาศกระทรวงสาธารณสุข เรื่อง กำหนดค่ามาตรฐานมลพิษทางเสียงอันเกิดจากการประกอบกิจการที่เป็นอันตรายต่อสุขภาพ พ.ศ. 2561
- ระดับเสียงจากแหล่งกำเนิด ทำการตรวจวัด วันที่ 22-23 ธันวาคม 2565  
ระดับเสียงพื้นฐานและระดับเสียงขณะไม่มีการรบกวน (Sample No.22144028-4 วันที่ตรวจวัด 22-23 ธันวาคม 2565)

The above results are valid only for the analyzed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

Approved by

Wilawan Borirak  
Assistant Manager





## Analysis / Test Report

TESTING  
No.0042

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

Lot ID: 22144026  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report Number : 2535152-1

P/O : RJN-BW-012/65  
Project Name : Chonburi Bowin  
Project Location :

Page 1 of 3

Sample No. 22144026-5  
Parameter เสียงรบกวน  
Location N1 : หมู่บ้านบุรพา  
Measurement Date Dec 23 - 24, 2022  
Measurement by Jaradrawee Sriuksa  
Sound Level Meter 00734225

### ระดับเสียง (dB(A))

เวลา	เสียงจาก แหล่งกำเนิด (A)	เสียงขณะ ไม่มีการรบกวน (B)	ผลต่าง ระดับเสียง (A-B)	ตัวปรับค่า (C)	ปรับค่าเสียงจากแหล่งกำเนิด (D)		เสียงพื้นฐาน (E)	ค่าระดับ การรบกวน (D-E)
					กลางวัน (A-C)	กลางคืน (A-C)+3		
12:00 PM - 01:00 PM	49.3	49.2	0.1	7.0	42.3	-	47.4	-5.1
01:00 PM - 02:00 PM	54.4	52.7	1.7	4.5	49.9	-	48.7	1.2
02:00 PM - 03:00 PM	54.4	52.8	1.6	4.5	49.9	-	49.5	0.4
03:00 PM - 04:00 PM	54.8	52.4	2.4	4.5	50.3	-	49.7	0.6
04:00 PM - 05:00 PM	54.2	53.2	1.0	7.0	47.2	-	51.3	-4.1
05:00 PM - 06:00 PM	55.0	53.9	1.1	7.0	48.0	-	52.2	-4.2
06:00 PM - 07:00 PM	55.5	53.0	2.5	3.0	52.5	-	51.7	0.8
07:00 PM - 08:00 PM	55.4	52.2	3.2	3.0	52.4	-	51.2	1.2
08:00 PM - 09:00 PM	54.1	52.1	2.0	4.5	49.6	-	51.0	-1.4
09:00 PM - 10:00 PM	53.3	52.1	1.2	7.0	46.3	-	50.9	-4.6
10:00 PM - 10:05 PM	52.6	51.8	0.8	7.0	-	48.6	50.8	-2.2
10:05 PM - 10:10 PM	52.0	51.6	0.4	7.0	-	48.0	50.7	-2.7
10:10 PM - 10:15 PM	52.5	52.0	0.5	7.0	-	48.5	51.0	-2.5
10:15 PM - 10:20 PM	52.4	51.9	0.5	7.0	-	48.4	50.9	-2.5
10:20 PM - 10:25 PM	52.7	52.1	0.6	7.0	-	48.7	50.9	-2.2
10:25 PM - 10:30 PM	52.0	51.3	0.7	7.0	-	48.0	50.4	-2.4
10:30 PM - 10:35 PM	52.0	51.6	0.4	7.0	-	48.0	50.4	-2.4
10:35 PM - 10:40 PM	51.4	51.4	0.0	7.0	-	47.4	50.4	-3.0
10:40 PM - 10:45 PM	51.8	52.0	-0.2	7.0	-	47.8	50.2	-2.4
10:45 PM - 10:50 PM	51.1	52.1	-1.0	7.0	-	47.1	50.6	-3.5
10:50 PM - 10:55 PM	52.4	51.8	0.6	7.0	-	48.4	50.4	-2.0
10:55 PM - 11:00 PM	51.8	53.0	-1.2	7.0	-	47.8	50.6	-2.8
11:00 PM - 11:05 PM	52.3	52.0	0.3	7.0	-	48.3	50.8	-2.5
11:05 PM - 11:10 PM	53.2	52.0	1.2	7.0	-	49.2	50.8	-1.6
11:10 PM - 11:15 PM	52.5	52.3	0.2	7.0	-	48.5	50.9	-2.4
11:15 PM - 11:20 PM	52.3	50.6	1.7	4.5	-	50.8	49.5	1.3
11:20 PM - 11:25 PM	51.8	50.7	1.1	7.0	-	47.8	50.0	-2.2
11:25 PM - 11:30 PM	51.7	50.6	1.1	7.0	-	47.7	49.9	-2.2
11:30 PM - 11:35 PM	51.0	51.2	-0.2	7.0	-	47.0	49.8	-2.8
11:35 PM - 11:40 PM	51.7	50.5	1.2	7.0	-	47.7	49.8	-2.1
11:40 PM - 11:45 PM	51.7	50.3	1.4	7.0	-	47.7	49.7	-2.0
11:45 PM - 11:50 PM	51.0	50.9	0.1	7.0	-	47.0	50.0	-3.0
11:50 PM - 11:55 PM	50.9	50.8	0.1	7.0	-	46.9	49.7	-2.8
11:55 PM - 12:00 AM	51.2	51.0	0.2	7.0	-	47.2	49.8	-2.6
12:00 AM - 12:05 AM	52.9	51.7	1.2	7.0	-	48.9	49.7	-0.8
12:05 AM - 12:10 AM	53.0	50.6	2.4	4.5	-	51.5	49.9	1.6
12:10 AM - 12:15 AM	53.1	50.6	2.5	3.0	-	53.1	49.6	3.5
12:15 AM - 12:20 AM	51.5	50.5	1.0	7.0	-	47.5	49.7	-2.2
12:20 AM - 12:25 AM	51.9	51.8	0.1	7.0	-	47.9	50.3	-2.4
12:25 AM - 12:30 AM	52.3	51.9	0.4	7.0	-	48.3	50.1	-1.8

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Approved by

*Wilawan Borirak*

Wilawan Borirak  
Assistant Manager



## Analysis / Test Report

TESTING  
No.0042

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

Lot ID: 22144026  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report Number : 2535152-1

P/O : RJN-BW-012/65

Project Name : Chonburi Bowin

Project Location :

Sample No. 22144026-5  
Parameter เสียงรบกวน  
Location N1 : หมู่บ้านบุรพา  
Measurement Date Dec 23 - 24, 2022  
Measurement by Jaradrawee Sriruksa  
Sound Level Meter 00734225

### ระดับเสียง (dB(A))

เวลา	เสียงจากแหล่งกำเนิด (A)	เสียงขณะไม่มีการรบกวน (B)	ผลต่างระดับเสียง (A-B)	ตัวปรับค่า (C)	ปรับค่าเสียงจากแหล่งกำเนิด (D)		เสียงพื้นฐาน (E)	ค่าระดับการรบกวน (D-E)
					กลางวัน (A-C)	กลางคืน (A-C)+3		
12:30 AM - 12:35 AM	52.2	50.6	1.6	4.5	-	50.7	49.7	1.0
12:35 AM - 12:40 AM	50.8	55.2	-4.4	7.0	-	46.8	49.6	-2.8
12:40 AM - 12:45 AM	50.9	51.1	-0.2	7.0	-	46.9	49.9	-3.0
12:45 AM - 12:50 AM	51.5	51.7	-0.2	7.0	-	47.5	50.1	-2.6
12:50 AM - 12:55 AM	51.6	50.5	1.1	7.0	-	47.6	49.7	-2.1
12:55 AM - 01:00 AM	51.0	51.0	0.0	7.0	-	47.0	50.4	-3.4
01:00 AM - 01:05 AM	51.0	50.7	0.3	7.0	-	47.0	49.8	-2.8
01:05 AM - 01:10 AM	51.4	52.5	-1.1	7.0	-	47.4	49.6	-2.2
01:10 AM - 01:15 AM	50.5	50.8	-0.3	7.0	-	46.5	49.9	-3.4
01:15 AM - 01:20 AM	52.0	51.2	0.8	7.0	-	48.0	49.9	-1.9
01:20 AM - 01:25 AM	50.8	50.7	0.1	7.0	-	46.8	49.7	-2.9
01:25 AM - 01:30 AM	51.3	50.4	0.9	7.0	-	47.3	49.3	-2.0
01:30 AM - 01:35 AM	50.5	50.6	-0.1	7.0	-	46.5	49.6	-3.1
01:35 AM - 01:40 AM	50.2	51.2	-1.0	7.0	-	46.2	49.9	-3.7
01:40 AM - 01:45 AM	50.7	51.4	-0.7	7.0	-	46.7	49.9	-3.2
01:45 AM - 01:50 AM	51.8	50.8	1.0	7.0	-	47.8	49.5	-1.7
01:50 AM - 01:55 AM	51.4	50.4	1.0	7.0	-	47.4	49.0	-1.6
01:55 AM - 02:00 AM	50.7	50.9	-0.2	7.0	-	46.7	49.9	-3.2
02:00 AM - 02:05 AM	50.9	50.2	0.7	7.0	-	46.9	49.3	-2.4
02:05 AM - 02:10 AM	50.9	50.4	0.5	7.0	-	46.9	49.1	-2.2
02:10 AM - 02:15 AM	50.8	50.3	0.5	7.0	-	46.8	49.3	-2.5
02:15 AM - 02:20 AM	50.3	50.1	0.2	7.0	-	46.3	49.2	-2.9
02:20 AM - 02:25 AM	50.5	50.0	0.5	7.0	-	46.5	49.3	-2.8
02:25 AM - 02:30 AM	50.2	50.5	-0.3	7.0	-	46.2	49.2	-3.0
02:30 AM - 02:35 AM	50.2	50.4	-0.2	7.0	-	46.2	49.4	-3.2
02:35 AM - 02:40 AM	50.8	50.8	0.0	7.0	-	46.8	49.8	-3.0
02:40 AM - 02:45 AM	50.6	52.0	-1.4	7.0	-	46.6	49.4	-2.8
02:45 AM - 02:50 AM	50.7	53.0	-2.3	7.0	-	46.7	49.1	-2.4
02:50 AM - 02:55 AM	53.6	51.4	2.2	4.5	-	52.1	49.1	3.0
02:55 AM - 03:00 AM	53.3	49.8	3.5	2.0	-	54.3	48.9	5.4
03:00 AM - 03:05 AM	49.7	50.3	-0.6	7.0	-	45.7	49.2	-3.5
03:05 AM - 03:10 AM	49.8	50.1	-0.3	7.0	-	45.8	49.2	-3.4
03:10 AM - 03:15 AM	50.1	50.4	-0.3	7.0	-	46.1	49.4	-3.3
03:15 AM - 03:20 AM	49.9	50.9	-1.0	7.0	-	45.9	50.1	-4.2
03:20 AM - 03:25 AM	50.7	50.0	0.7	7.0	-	46.7	49.1	-2.4
03:25 AM - 03:30 AM	50.8	51.4	-0.6	7.0	-	46.8	49.4	-2.6
03:30 AM - 03:35 AM	50.8	51.9	-1.1	7.0	-	46.8	49.0	-2.2
03:35 AM - 03:40 AM	50.5	53.9	-3.4	7.0	-	46.5	49.6	-3.1
03:40 AM - 03:45 AM	55.1	54.5	0.6	7.0	-	51.1	49.4	1.7
03:45 AM - 03:50 AM	54.7	51.9	2.8	3.0	-	54.7	48.9	5.8

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Approved by

*Wilawan Borirak*

Wilawan Borirak  
Assistant Manager



## Analysis / Test Report

TESTING  
No.0042

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

Lot ID: 22144026  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report Number : 2535152-1

P/O : RJN-BW-012/65

Project Name : Chonburi Bowin

Project Location :

Page 3 of 3

Sample No. 22144026-5  
Parameter เสียงรบกวน  
Location N1 : หมู่บ้านบุรพา  
Measurement Date Dec 23 - 24, 2022  
Measurement by Jaradrawee Sriruksa  
Sound Level Meter 00734225

### ระดับเสียง (dB(A))

เวลา	เสียงจากแหล่งกำเนิด (A)	เสียงขณะไม่มีการรบกวน (B)	ผลต่างระดับเสียง (A-B)	ตัวปรับค่า (C)	ปรับค่าเสียงจากแหล่งกำเนิด (D)		เสียงพื้นฐาน (E)	ค่าระดับการรบกวน (D-E)
					กลางวัน (A-C)	กลางคืน (A-C)+3		
03:50 AM - 03:55 AM	55.0	50.8	4.2	2.0	-	56.0	49.2	6.8
03:55 AM - 04:00 AM	52.6	51.9	0.7	7.0	-	48.6	49.5	-0.9
04:00 AM - 04:05 AM	52.6	51.5	1.1	7.0	-	48.6	50.2	-1.6
04:05 AM - 04:10 AM	50.9	53.0	-2.1	7.0	-	46.9	49.3	-2.4
04:10 AM - 04:15 AM	53.0	50.7	2.3	4.5	-	51.5	49.7	1.8
04:15 AM - 04:20 AM	52.1	51.3	0.8	7.0	-	48.1	50.2	-2.1
04:20 AM - 04:25 AM	51.1	50.8	0.3	7.0	-	47.1	49.7	-2.6
04:25 AM - 04:30 AM	50.9	51.7	-0.8	7.0	-	46.9	50.2	-3.3
04:30 AM - 04:35 AM	51.0	51.2	-0.2	7.0	-	47.0	50.1	-3.1
04:35 AM - 04:40 AM	52.0	50.8	1.2	7.0	-	48.0	49.7	-1.7
04:40 AM - 04:45 AM	51.8	55.2	-3.4	7.0	-	47.8	49.9	-2.1
04:45 AM - 04:50 AM	53.9	54.3	-0.4	7.0	-	49.9	50.2	-0.3
04:50 AM - 04:55 AM	56.3	54.1	2.2	4.5	-	54.8	49.8	5.0
04:55 AM - 05:00 AM	55.8	53.0	2.8	3.0	-	55.8	50.2	5.6
05:00 AM - 05:05 AM	54.4	52.3	2.1	4.5	-	52.9	49.8	3.1
05:05 AM - 05:10 AM	52.9	53.1	-0.2	7.0	-	48.9	50.3	-1.4
05:10 AM - 05:15 AM	53.6	53.5	0.1	7.0	-	49.6	50.8	-1.2
05:15 AM - 05:20 AM	54.9	53.5	1.4	7.0	-	50.9	50.7	0.2
05:20 AM - 05:25 AM	54.6	52.0	2.6	3.0	-	54.6	50.2	4.4
05:25 AM - 05:30 AM	54.0	51.3	2.7	3.0	-	54.0	50.2	3.8
05:30 AM - 05:35 AM	52.1	52.7	-0.6	7.0	-	48.1	50.3	-2.2
05:35 AM - 05:40 AM	52.2	52.5	-0.3	7.0	-	48.2	50.7	-2.5
05:40 AM - 05:45 AM	53.7	52.9	0.8	7.0	-	49.7	51.5	-1.8
05:45 AM - 05:50 AM	52.8	52.2	0.6	7.0	-	48.8	50.9	-2.1
05:50 AM - 05:55 AM	53.1	51.8	1.3	7.0	-	49.1	50.8	-1.7
05:55 AM - 06:00 AM	52.1	54.7	-2.6	7.0	-	48.1	51.3	-3.2
06:00 AM - 07:00 AM	56.9	55.0	1.9	4.5	52.4	-	51.8	0.6
07:00 AM - 08:00 AM	62.5	59.3	3.2	3.0	59.5	-	52.1	7.4
08:00 AM - 09:00 AM	63.2	60.0	3.2	3.0	60.2	-	52.0	8.2
09:00 AM - 10:00 AM	57.5	56.1	1.4	7.0	50.5	-	52.5	-2.0
10:00 AM - 11:00 AM	56.3	55.7	0.6	7.0	49.3	-	53.0	-3.7
11:00 AM - 12:00 PM	56.6	55.1	1.5	4.5	52.1	-	52.6	-0.5
ค่ามาตรฐาน								≤ 10

Reference Method : ISO 1996-1

### มาตรฐาน

- ประกาศกระทรวงอุตสาหกรรม เรื่อง กำหนดค่าระดับเสียงการรบกวนและระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548
  - ประกาศกรมโรงงานอุตสาหกรรม เรื่อง วิธีการตรวจวัดระดับเสียงรบกวน ระดับเสียงเฉลี่ย 24 ชั่วโมง และระดับเสียงสูงสุดที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2553
  - ประกาศกระทรวงสาธารณสุข เรื่อง กำหนดค่ามาตรฐานมลพิษทางเสียงอันเกิดจากการประกอบกิจการที่เป็นอันตรายต่อสุขภาพ พ.ศ. 2561
- ระดับเสียงจากแหล่งกำเนิด ทำการตรวจวัด วันที่ 23-24 ธันวาคม 2565  
ระดับเสียงพื้นฐานและระดับเสียงขณะไม่มีการรบกวน (Sample No.22144028-5 วันที่ตรวจวัด 23-24 ธันวาคม 2565)

The above results are valid only for the analyzed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

Approved by

*Wilawan Borirak*

Wilawan Borirak  
Assistant Manager



## Analysis / Test Report

TESTING  
No.0042

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

Lot ID: 22144026  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report Number : 2535153-1

P/O : RJN-BW-012/65  
Project Name : Chonburi Bowin  
Project Location :

Page 1 of 3

Sample No. 22144026-6  
Parameter เสียงรบกวน  
Location N1 : หมู่บ้านบุรพา  
Measurement Date Dec 24 - 25, 2022  
Measurement by Jaradrawee Sriuksa  
Sound Level Meter 00734225

### ระดับเสียง (dB(A))

เวลา	เสียงจากแหล่งกำเนิด		ผลต่างระดับเสียง	ตัวปรับค่า	ปรับค่าเสียงจากแหล่งกำเนิด		เสียงพื้นฐาน	ค่าระดับการรบกวน
	(A)	(B)			(A-C)	(A-C)+3		
12:00 PM - 01:00 PM	54.3	55.9	-1.6	7.0	47.3	-	50.2	-2.9
01:00 PM - 02:00 PM	57.0	52.5	4.5	1.5	55.5	-	49.8	5.7
02:00 PM - 03:00 PM	56.7	55.3	1.4	7.0	49.7	-	51.5	-1.8
03:00 PM - 04:00 PM	57.2	54.2	3.0	3.0	54.2	-	50.9	3.3
04:00 PM - 05:00 PM	54.8	53.3	1.5	4.5	50.3	-	50.6	-0.3
05:00 PM - 06:00 PM	57.1	61.2	-4.1	7.0	50.1	-	50.2	-0.1
06:00 PM - 07:00 PM	57.5	51.1	6.4	1.5	56.0	-	49.4	6.6
07:00 PM - 08:00 PM	56.9	51.3	5.6	1.5	55.4	-	50.1	5.3
08:00 PM - 09:00 PM	53.3	52.0	1.3	7.0	46.3	-	50.3	-4.0
09:00 PM - 10:00 PM	51.7	51.0	0.7	7.0	44.7	-	49.4	-4.7
10:00 PM - 10:05 PM	50.9	51.6	-0.7	7.0	-	46.9	49.0	-2.1
10:05 PM - 10:10 PM	51.7	51.2	0.5	7.0	-	47.7	49.6	-1.9
10:10 PM - 10:15 PM	52.9	50.9	2.0	4.5	-	51.4	49.1	2.3
10:15 PM - 10:20 PM	51.0	51.1	-0.1	7.0	-	47.0	49.0	-2.0
10:20 PM - 10:25 PM	51.5	51.0	0.5	7.0	-	47.5	49.6	-2.1
10:25 PM - 10:30 PM	50.1	50.7	-0.6	7.0	-	46.1	49.0	-2.9
10:30 PM - 10:35 PM	51.1	50.2	0.9	7.0	-	47.1	49.2	-2.1
10:35 PM - 10:40 PM	51.8	50.1	1.7	4.5	-	50.3	49.3	1.0
10:40 PM - 10:45 PM	49.8	50.9	-1.1	7.0	-	45.8	49.4	-3.6
10:45 PM - 10:50 PM	50.5	51.7	-1.2	7.0	-	46.5	50.1	-3.6
10:50 PM - 10:55 PM	50.9	51.7	-0.8	7.0	-	46.9	50.1	-3.2
10:55 PM - 11:00 PM	51.8	51.8	0.0	7.0	-	47.8	50.1	-2.3
11:00 PM - 11:05 PM	51.6	52.5	-0.9	7.0	-	47.6	50.7	-3.1
11:05 PM - 11:10 PM	51.9	52.5	-0.6	7.0	-	47.9	50.9	-3.0
11:10 PM - 11:15 PM	52.4	55.3	-2.9	7.0	-	48.4	50.5	-2.1
11:15 PM - 11:20 PM	52.8	52.9	-0.1	7.0	-	48.8	50.4	-1.6
11:20 PM - 11:25 PM	54.2	52.6	1.6	4.5	-	52.7	50.8	1.9
11:25 PM - 11:30 PM	52.8	51.5	1.3	7.0	-	48.8	49.5	-0.7
11:30 PM - 11:35 PM	52.7	51.0	1.7	4.5	-	51.2	49.7	1.5
11:35 PM - 11:40 PM	52.9	51.3	1.6	4.5	-	51.4	50.2	1.2
11:40 PM - 11:45 PM	50.8	51.7	-0.9	7.0	-	46.8	50.4	-3.6
11:45 PM - 11:50 PM	51.4	51.6	-0.2	7.0	-	47.4	50.1	-2.7
11:50 PM - 11:55 PM	52.2	51.6	0.6	7.0	-	48.2	50.4	-2.2
11:55 PM - 12:00 AM	51.4	51.6	-0.2	7.0	-	47.4	50.1	-2.7
12:00 AM - 12:05 AM	51.9	51.4	0.5	7.0	-	47.9	50.0	-2.1
12:05 AM - 12:10 AM	52.2	54.2	-2.0	7.0	-	48.2	50.5	-2.3
12:10 AM - 12:15 AM	51.8	51.3	0.5	7.0	-	47.8	50.2	-2.4
12:15 AM - 12:20 AM	54.6	55.0	-0.4	7.0	-	50.6	50.3	0.3
12:20 AM - 12:25 AM	52.7	53.2	-0.5	7.0	-	48.7	50.3	-1.6
12:25 AM - 12:30 AM	55.0	52.5	2.5	3.0	-	55.0	50.3	4.7

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Approved by

*Wilawan Borirak*

Wilawan Borirak  
Assistant Manager



# Analysis / Test Report

TESTING  
No.0042

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

Lot ID: 22144026  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report Number : 2535153-1

P/O : RJN-BW-012/65

Project Name : Chonburi Bowin

Project Location :

Sample No. 22144026-6  
Parameter เสียงรบกวน  
Location N1 : หมู่บ้านบุรพา  
Measurement Date Dec 24 - 25, 2022  
Measurement by Jaradrawee Sriruksa  
Sound Level Meter 00734225

## ระดับเสียง (dB(A))

เวลา	(A) เสียงจากแหล่งกำเนิด	(B) เสียงขณะไม่มีการรบกวน	(A-B) ผลต่างระดับเสียง	(C) ตัวปรับค่า	(D) ปรับค่าเสียงจากแหล่งกำเนิด		(E) เสียงพื้นฐาน	(D-E) ค่าระดับการรบกวน
					(A-C) กลางวัน	(A-C)+3 กลางคืน		
12:30 AM - 12:35 AM	52.5	51.8	0.7	7.0	-	48.5	50.4	-1.9
12:35 AM - 12:40 AM	53.8	52.1	1.7	4.5	-	52.3	49.6	2.7
12:40 AM - 12:45 AM	52.1	50.7	1.4	7.0	-	48.1	49.5	-1.4
12:45 AM - 12:50 AM	52.1	51.0	1.1	7.0	-	48.1	50.2	-2.1
12:50 AM - 12:55 AM	52.3	51.3	1.0	7.0	-	48.3	49.8	-1.5
12:55 AM - 01:00 AM	51.0	51.1	-0.1	7.0	-	47.0	49.9	-2.9
01:00 AM - 01:05 AM	51.5	50.8	0.7	7.0	-	47.5	49.9	-2.4
01:05 AM - 01:10 AM	51.4	51.2	0.2	7.0	-	47.4	49.6	-2.2
01:10 AM - 01:15 AM	51.4	51.2	0.2	7.0	-	47.4	49.8	-2.4
01:15 AM - 01:20 AM	51.5	51.0	0.5	7.0	-	47.5	49.5	-2.0
01:20 AM - 01:25 AM	51.4	51.3	0.1	7.0	-	47.4	49.3	-1.9
01:25 AM - 01:30 AM	51.1	51.0	0.1	7.0	-	47.1	49.5	-2.4
01:30 AM - 01:35 AM	51.8	50.3	1.5	4.5	-	50.3	49.1	1.2
01:35 AM - 01:40 AM	51.2	50.0	1.2	7.0	-	47.2	49.2	-2.0
01:40 AM - 01:45 AM	51.7	50.9	0.8	7.0	-	47.7	49.6	-1.9
01:45 AM - 01:50 AM	50.5	50.7	-0.2	7.0	-	46.5	49.1	-2.6
01:50 AM - 01:55 AM	51.3	51.2	0.1	7.0	-	47.3	49.6	-2.3
01:55 AM - 02:00 AM	50.8	51.9	-1.1	7.0	-	46.8	49.8	-3.0
02:00 AM - 02:05 AM	51.8	50.0	1.8	4.5	-	50.3	48.8	1.5
02:05 AM - 02:10 AM	51.7	50.3	1.4	7.0	-	47.7	49.2	-1.5
02:10 AM - 02:15 AM	51.8	50.6	1.2	7.0	-	47.8	49.2	-1.4
02:15 AM - 02:20 AM	50.7	50.5	0.2	7.0	-	46.7	49.1	-2.4
02:20 AM - 02:25 AM	50.7	50.0	0.7	7.0	-	46.7	49.0	-2.3
02:25 AM - 02:30 AM	51.2	50.5	0.7	7.0	-	47.2	48.9	-1.7
02:30 AM - 02:35 AM	50.9	48.8	2.1	4.5	-	49.4	48.1	1.3
02:35 AM - 02:40 AM	50.2	49.0	1.2	7.0	-	46.2	48.1	-1.9
02:40 AM - 02:45 AM	50.7	50.1	0.6	7.0	-	46.7	48.6	-1.9
02:45 AM - 02:50 AM	49.5	49.5	0.0	7.0	-	45.5	48.3	-2.8
02:50 AM - 02:55 AM	49.9	49.3	0.6	7.0	-	45.9	48.3	-2.4
02:55 AM - 03:00 AM	49.8	49.4	0.4	7.0	-	45.8	48.3	-2.5
03:00 AM - 03:05 AM	49.6	49.0	0.6	7.0	-	45.6	48.1	-2.5
03:05 AM - 03:10 AM	49.5	49.7	-0.2	7.0	-	45.5	48.5	-3.0
03:10 AM - 03:15 AM	49.4	48.8	0.6	7.0	-	45.4	48.0	-2.6
03:15 AM - 03:20 AM	49.7	54.3	-4.6	7.0	-	45.7	48.1	-2.4
03:20 AM - 03:25 AM	49.5	58.3	-8.8	7.0	-	45.5	48.0	-2.5
03:25 AM - 03:30 AM	49.3	56.2	-6.9	7.0	-	45.3	47.9	-2.6
03:30 AM - 03:35 AM	59.3	48.9	10.4	0.5	-	61.8	48.2	13.6
03:35 AM - 03:40 AM	58.9	48.3	10.6	0.5	-	61.4	47.6	13.8
03:40 AM - 03:45 AM	52.1	48.6	3.5	2.0	-	53.1	48.1	5.0
03:45 AM - 03:50 AM	49.5	49.0	0.5	7.0	-	45.5	48.3	-2.8

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Approved by

*Wilawan Borirak*

Wilawan Borirak  
Assistant Manager



## Analysis / Test Report

TESTING  
No.0042

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

Lot ID: 22144026  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report Number : 2535153-1

P/O : RJN-BW-012/65

Project Name : Chonburi Bowin

Project Location :

Page 3 of 3

Sample No. 22144026-6  
Parameter เสียงรบกวน  
Location N1 : หมู่บ้านบุรพา  
Measurement Date Dec 24 - 25, 2022  
Measurement by Jaradrawee Sriruksa  
Sound Level Meter 00734225

### ระดับเสียง (dB(A))

เวลา	เสียงจากแหล่งกำเนิด (A)	เสียงขณะไม่มีการรบกวน (B)	ผลต่างระดับเสียง (A-B)	ตัวปรับค่า (C)	ปรับค่าเสียงจากแหล่งกำเนิด (D)		เสียงพื้นฐาน (E)	ค่าระดับการรบกวน (D-E)
					กลางวัน (A-C)	กลางคืน (A-C)+3		
03:50 AM - 03:55 AM	49.2	48.7	0.5	7.0	-	45.2	48.1	-2.9
03:55 AM - 04:00 AM	49.5	49.5	0.0	7.0	-	45.5	48.4	-2.9
04:00 AM - 04:05 AM	49.5	49.8	-0.3	7.0	-	45.5	48.4	-2.9
04:05 AM - 04:10 AM	49.6	50.7	-1.1	7.0	-	45.6	48.1	-2.5
04:10 AM - 04:15 AM	50.3	60.4	-10.1	7.0	-	46.3	48.3	-2.0
04:15 AM - 04:20 AM	50.0	60.2	-10.2	7.0	-	46.0	48.6	-2.6
04:20 AM - 04:25 AM	56.7	56.6	0.1	7.0	-	52.7	49.1	3.6
04:25 AM - 04:30 AM	65.0	52.0	13.0	0.0	-	68.0	49.8	18.2
04:30 AM - 04:35 AM	63.2	50.4	12.8	0.0	-	66.2	49.2	17.0
04:35 AM - 04:40 AM	54.2	58.5	-4.3	7.0	-	50.2	49.0	1.2
04:40 AM - 04:45 AM	51.6	59.6	-8.0	7.0	-	47.6	49.4	-1.8
04:45 AM - 04:50 AM	52.1	57.0	-4.9	7.0	-	48.1	48.9	-0.8
04:50 AM - 04:55 AM	63.3	57.2	6.1	1.5	-	64.8	49.0	15.8
04:55 AM - 05:00 AM	61.8	59.1	2.7	3.0	-	61.8	49.3	12.5
05:00 AM - 05:05 AM	56.0	56.7	-0.7	7.0	-	52.0	49.0	3.0
05:05 AM - 05:10 AM	63.3	55.2	8.1	0.5	-	65.8	49.2	16.6
05:10 AM - 05:15 AM	60.5	59.6	0.9	7.0	-	56.5	50.0	6.5
05:15 AM - 05:20 AM	53.0	57.5	-4.5	7.0	-	49.0	49.3	-0.3
05:20 AM - 05:25 AM	62.3	53.8	8.5	0.5	-	64.8	48.9	15.9
05:25 AM - 05:30 AM	61.7	54.7	7.0	1.0	-	63.7	49.0	14.7
05:30 AM - 05:35 AM	57.9	55.1	2.8	3.0	-	57.9	48.4	9.5
05:35 AM - 05:40 AM	57.8	56.4	1.4	7.0	-	53.8	49.2	4.6
05:40 AM - 05:45 AM	55.9	60.0	-4.1	7.0	-	51.9	49.4	2.5
05:45 AM - 05:50 AM	55.9	59.1	-3.2	7.0	-	51.9	49.7	2.2
05:50 AM - 05:55 AM	58.1	59.0	-0.9	7.0	-	54.1	49.5	4.6
05:55 AM - 06:00 AM	64.3	60.7	3.6	2.0	-	65.3	50.1	15.2
06:00 AM - 07:00 AM	60.9	55.8	5.1	1.5	59.4	-	50.1	9.3
07:00 AM - 08:00 AM	57.3	59.8	-2.5	7.0	50.3	-	50.3	0.0
08:00 AM - 09:00 AM	65.0	59.0	6.0	1.5	63.5	-	51.8	11.7
09:00 AM - 10:00 AM	55.6	53.4	2.2	4.5	51.1	-	51.2	-0.1
10:00 AM - 11:00 AM	55.7	55.3	0.4	7.0	48.7	-	51.6	-2.9
11:00 AM - 12:00 PM	57.5	54.8	2.7	3.0	54.5	-	50.8	3.7

ค่ามาตรฐาน

≤ 10

Reference Method : ISO 1996-1

### มาตรฐาน

- ประกาศกระทรวงอุตสาหกรรม เรื่อง กำหนดค่าระดับเสียงการรบกวนและระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548
  - ประกาศกรมโรงงานอุตสาหกรรม เรื่อง วิธีการตรวจวัดระดับเสียงรบกวน ระดับเสียงเฉลี่ย 24 ชั่วโมง และระดับเสียงสูงสุดที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2553
  - ประกาศกระทรวงสาธารณสุข เรื่อง กำหนดค่ามาตรฐานมลพิษทางเสียงอันเกิดจากการประกอบกิจการที่เป็นอันตรายต่อสุขภาพ พ.ศ. 2561
- ระดับเสียงจากแหล่งกำเนิด ทำการตรวจวัด วันที่ 24-25 ธันวาคม 2565  
ระดับเสียงพื้นฐานและระดับเสียงขณะไม่มีการรบกวน (Sample No.22144028-6 วันที่ตรวจวัด 24-25 ธันวาคม 2565)

The above results are valid only for the analyzed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

Approved by

Wilawan Borirak  
Assistant Manager





## Analysis / Test Report

TESTING  
No.0042

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

Lot ID: 22144026  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report Number : 2535154-1

P/O : RJN-BW-012/65  
Project Name : Chonburi Bowin  
Project Location :

Page 1 of 3

Sample No. 22144026-7  
Parameter เสียงรบกวน  
Location N1 : หมู่บ้านบุรพา  
Measurement Date Dec 25 - 26, 2022  
Measurement by Jaradrawee Sriuksa  
Sound Level Meter 00734225

### ระดับเสียง (dB(A))

เวลา	เสียงจาก แหล่งกำเนิด <sup>(A)</sup>	เสียงขณะ ไม่มีการรบกวน <sup>(B)</sup>	ผลต่าง ระดับเสียง <sup>(A-B)</sup>	ตัวปรับค่า <sup>(C)</sup>	ปรับค่าเสียงจากแหล่งกำเนิด <sup>(B)</sup>		เสียงพื้นฐาน <sup>(E)</sup>	ค่าระดับ การรบกวน <sup>(D-E)</sup>
					กลางวัน <sup>(A-C)</sup>	กลางคืน <sup>(A-C)+3</sup>		
12:00 PM - 01:00 PM	50.6	50.5	0.1	7.0	43.6	-	48.5	-4.9
01:00 PM - 02:00 PM	52.0	52.0	0.0	7.0	45.0	-	49.7	-4.7
02:00 PM - 03:00 PM	58.3	54.0	4.3	2.0	56.3	-	51.7	4.6
03:00 PM - 04:00 PM	55.4	55.1	0.3	7.0	48.4	-	52.8	-4.4
04:00 PM - 05:00 PM	58.1	55.1	3.0	3.0	55.1	-	52.0	3.1
05:00 PM - 06:00 PM	53.2	52.2	1.0	7.0	46.2	-	50.4	-4.2
06:00 PM - 07:00 PM	56.2	53.0	3.2	3.0	53.2	-	50.8	2.4
07:00 PM - 08:00 PM	53.2	50.7	2.5	3.0	50.2	-	49.7	0.5
08:00 PM - 09:00 PM	53.6	51.0	2.6	3.0	50.6	-	49.8	0.8
09:00 PM - 10:00 PM	52.5	51.8	0.7	7.0	45.5	-	50.1	-4.6
10:00 PM - 10:05 PM	52.4	54.5	-2.1	7.0	-	48.4	50.9	-2.5
10:05 PM - 10:10 PM	51.5	53.1	-1.6	7.0	-	47.5	51.0	-3.5
10:10 PM - 10:15 PM	53.1	51.6	1.5	4.5	-	51.6	50.6	1.0
10:15 PM - 10:20 PM	55.3	52.8	2.5	3.0	-	55.3	50.9	4.4
10:20 PM - 10:25 PM	54.1	53.4	0.7	7.0	-	50.1	52.0	-1.9
10:25 PM - 10:30 PM	55.1	52.0	3.1	3.0	-	55.1	51.0	4.1
10:30 PM - 10:35 PM	55.4	52.1	3.3	3.0	-	55.4	50.9	4.5
10:35 PM - 10:40 PM	54.7	52.6	2.1	4.5	-	53.2	51.4	1.8
10:40 PM - 10:45 PM	53.9	51.7	2.2	4.5	-	52.4	50.1	2.3
10:45 PM - 10:50 PM	53.8	51.3	2.5	3.0	-	53.8	49.9	3.9
10:50 PM - 10:55 PM	54.0	52.1	1.9	4.5	-	52.5	50.2	2.3
10:55 PM - 11:00 PM	53.3	52.3	1.0	7.0	-	49.3	49.4	-0.1
11:00 PM - 11:05 PM	51.7	51.6	0.1	7.0	-	47.7	50.0	-2.3
11:05 PM - 11:10 PM	51.4	50.5	0.9	7.0	-	47.4	49.1	-1.7
11:10 PM - 11:15 PM	52.7	49.6	3.1	3.0	-	52.7	48.5	4.2
11:15 PM - 11:20 PM	51.4	50.7	0.7	7.0	-	47.4	49.2	-1.8
11:20 PM - 11:25 PM	49.8	53.5	-3.7	7.0	-	45.8	49.9	-4.1
11:25 PM - 11:30 PM	50.0	52.9	-2.9	7.0	-	46.0	49.0	-3.0
11:30 PM - 11:35 PM	52.2	50.7	1.5	4.5	-	50.7	48.0	2.7
11:35 PM - 11:40 PM	52.1	50.0	2.1	4.5	-	50.6	47.7	2.9
11:40 PM - 11:45 PM	51.9	50.6	1.3	7.0	-	47.9	47.6	0.3
11:45 PM - 11:50 PM	49.9	53.1	-3.2	7.0	-	45.9	47.5	-1.6
11:50 PM - 11:55 PM	49.6	49.8	-0.2	7.0	-	45.6	46.8	-1.2
11:55 PM - 12:00 AM	50.9	49.4	1.5	4.5	-	49.4	47.1	2.3
12:00 AM - 12:05 AM	51.0	50.4	0.6	7.0	-	47.0	48.3	-1.3
12:05 AM - 12:10 AM	48.4	51.0	-2.6	7.0	-	44.4	48.1	-3.7
12:10 AM - 12:15 AM	54.3	49.3	5.0	1.5	-	55.8	47.4	8.4
12:15 AM - 12:20 AM	51.5	49.5	2.0	4.5	-	50.0	47.9	2.1
12:20 AM - 12:25 AM	48.8	48.8	0.0	7.0	-	44.8	48.0	-3.2
12:25 AM - 12:30 AM	49.5	49.0	0.5	7.0	-	45.5	48.1	-2.6

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Approved by

Wilawan Borirak  
Assistant Manager





# Analysis / Test Report

TESTING  
No.0042

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

Lot ID: 22144026  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report Number : 2535154-1

P/O : RJN-BW-012/65  
Project Name : Chonburi Bowin  
Project Location :

Page 2 of 3

Sample No. 22144026-7  
Parameter เสียงรบกวน  
Location N1 : หมู่บ้านบุรพา  
Measurement Date Dec 25 - 26, 2022  
Measurement by Jaradrawee Sriuksa  
Sound Level Meter 00734225

## ระดับเสียง (dB(A))

เวลา	เสียงจาก แหล่งกำเนิด (A)	เสียงขณะ ไม่มีการรบกวน (B)	ผลต่าง ระดับเสียง (A-B)	ตัวปรับค่า (C)	ปรับค่าเสียงจากแหล่งกำเนิด (D)		เสียงพื้นฐาน (E)	ค่าระดับ การรบกวน (D-E)
					กลางวัน (A-C)	กลางคืน (A-C)+3		
12:30 AM - 12:35 AM	48.7	49.9	-1.2	7.0	-	44.7	48.3	-3.6
12:35 AM - 12:40 AM	48.9	49.7	-0.8	7.0	-	44.9	48.6	-3.7
12:40 AM - 12:45 AM	49.1	50.3	-1.2	7.0	-	45.1	49.0	-3.9
12:45 AM - 12:50 AM	50.1	50.2	-0.1	7.0	-	46.1	49.1	-3.0
12:50 AM - 12:55 AM	50.2	49.8	0.4	7.0	-	46.2	49.0	-2.8
12:55 AM - 01:00 AM	50.0	50.1	-0.1	7.0	-	46.0	49.4	-3.4
01:00 AM - 01:05 AM	50.0	49.2	0.8	7.0	-	46.0	48.6	-2.6
01:05 AM - 01:10 AM	50.3	49.7	0.6	7.0	-	46.3	48.5	-2.2
01:10 AM - 01:15 AM	50.0	49.0	1.0	7.0	-	46.0	48.0	-2.0
01:15 AM - 01:20 AM	49.7	49.0	0.7	7.0	-	45.7	47.6	-1.9
01:20 AM - 01:25 AM	49.6	48.3	1.3	7.0	-	45.6	47.4	-1.8
01:25 AM - 01:30 AM	48.9	48.0	0.9	7.0	-	44.9	47.3	-2.4
01:30 AM - 01:35 AM	49.3	47.9	1.4	7.0	-	45.3	47.3	-2.0
01:35 AM - 01:40 AM	48.8	49.7	-0.9	7.0	-	44.8	47.8	-3.0
01:40 AM - 01:45 AM	47.9	48.4	-0.5	7.0	-	43.9	47.5	-3.6
01:45 AM - 01:50 AM	48.3	48.6	-0.3	7.0	-	44.3	47.7	-3.4
01:50 AM - 01:55 AM	49.7	49.0	0.7	7.0	-	45.7	48.2	-2.5
01:55 AM - 02:00 AM	48.4	49.4	-1.0	7.0	-	44.4	47.8	-3.4
02:00 AM - 02:05 AM	48.7	49.4	-0.7	7.0	-	44.7	48.3	-3.6
02:05 AM - 02:10 AM	48.9	49.4	-0.5	7.0	-	44.9	48.2	-3.3
02:10 AM - 02:15 AM	49.3	49.1	0.2	7.0	-	45.3	48.3	-3.0
02:15 AM - 02:20 AM	49.1	49.4	-0.3	7.0	-	45.1	48.4	-3.3
02:20 AM - 02:25 AM	49.1	48.6	0.5	7.0	-	45.1	47.9	-2.8
02:25 AM - 02:30 AM	49.1	48.0	1.1	7.0	-	45.1	47.5	-2.4
02:30 AM - 02:35 AM	49.3	48.1	1.2	7.0	-	45.3	47.5	-2.2
02:35 AM - 02:40 AM	48.2	48.2	0.0	7.0	-	44.2	47.4	-3.2
02:40 AM - 02:45 AM	47.4	48.2	-0.8	7.0	-	43.4	47.6	-4.2
02:45 AM - 02:50 AM	47.9	48.5	-0.6	7.0	-	43.9	47.7	-3.8
02:50 AM - 02:55 AM	47.9	49.0	-1.1	7.0	-	43.9	48.1	-4.2
02:55 AM - 03:00 AM	48.1	48.7	-0.6	7.0	-	44.1	47.9	-3.8
03:00 AM - 03:05 AM	48.4	48.5	-0.1	7.0	-	44.4	48.0	-3.6
03:05 AM - 03:10 AM	49.2	48.6	0.6	7.0	-	45.2	47.8	-2.6
03:10 AM - 03:15 AM	48.1	49.6	-1.5	7.0	-	44.1	48.1	-4.0
03:15 AM - 03:20 AM	48.6	48.2	0.4	7.0	-	44.6	47.7	-3.1
03:20 AM - 03:25 AM	48.9	48.7	0.2	7.0	-	44.9	48.0	-3.1
03:25 AM - 03:30 AM	48.6	48.9	-0.3	7.0	-	44.6	48.0	-3.4
03:30 AM - 03:35 AM	48.3	48.8	-0.5	7.0	-	44.3	48.0	-3.7
03:35 AM - 03:40 AM	48.6	49.0	-0.4	7.0	-	44.6	48.1	-3.5
03:40 AM - 03:45 AM	48.7	49.5	-0.8	7.0	-	44.7	48.7	-4.0
03:45 AM - 03:50 AM	48.8	49.0	-0.2	7.0	-	44.8	48.3	-3.5

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Approved by

*Wilawan Borirak*

Wilawan Borirak  
Assistant Manager



## Analysis / Test Report

TESTING  
No.0042

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

Lot ID: 22144026  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report Number : 2535154-1

P/O : RJN-BW-012/65

Project Name : Chonburi Bowin

Project Location :

Page 3 of 3

Sample No. 22144026-7  
Parameter เสียงรบกวน  
Location N1 : หมู่บ้านบุรพา  
Measurement Date Dec 25 - 26, 2022  
Measurement by Jaradrawee Sriruksa  
Sound Level Meter 00734225

### ระดับเสียง (dB(A))

เวลา	เสียงจากแหล่งกำเนิด (A)	เสียงขณะไม่มีการรบกวน (B)	ผลต่างระดับเสียง (A-B)	ตัวปรับค่า (C)	ปรับค่าเสียงจากแหล่งกำเนิด (D)		เสียงพื้นฐาน (E)	ค่าระดับการรบกวน (D-E)
					กลางวัน (A-C)	กลางคืน (A-C)+3		
03:50 AM - 03:55 AM	49.4	48.8	0.6	7.0	-	45.4	47.9	-2.5
03:55 AM - 04:00 AM	49.4	48.8	0.6	7.0	-	45.4	48.1	-2.7
04:00 AM - 04:05 AM	48.9	49.1	-0.2	7.0	-	44.9	48.3	-3.4
04:05 AM - 04:10 AM	48.7	55.2	-6.5	7.0	-	44.7	48.6	-3.9
04:10 AM - 04:15 AM	49.3	61.2	-11.9	7.0	-	45.3	48.7	-3.4
04:15 AM - 04:20 AM	49.1	58.8	-9.7	7.0	-	45.1	48.7	-3.6
04:20 AM - 04:25 AM	63.3	49.4	13.9	0.0	-	66.3	48.4	17.9
04:25 AM - 04:30 AM	63.7	50.1	13.6	0.0	-	66.7	48.9	17.8
04:30 AM - 04:35 AM	58.4	49.5	8.9	0.5	-	60.9	48.6	12.3
04:35 AM - 04:40 AM	50.1	49.6	0.5	7.0	-	46.1	48.7	-2.6
04:40 AM - 04:45 AM	50.1	54.3	-4.2	7.0	-	46.1	49.3	-3.2
04:45 AM - 04:50 AM	49.6	54.5	-4.9	7.0	-	45.6	49.1	-3.5
04:50 AM - 04:55 AM	53.9	56.1	-2.2	7.0	-	49.9	48.9	1.0
04:55 AM - 05:00 AM	58.2	51.4	6.8	1.0	-	60.2	49.4	10.8
05:00 AM - 05:05 AM	57.7	52.8	4.9	1.5	-	59.2	49.2	10.0
05:05 AM - 05:10 AM	55.3	60.7	-5.4	7.0	-	51.3	49.5	1.8
05:10 AM - 05:15 AM	53.1	60.0	-6.9	7.0	-	49.1	49.4	-0.3
05:15 AM - 05:20 AM	57.4	56.6	0.8	7.0	-	53.4	49.5	3.9
05:20 AM - 05:25 AM	65.3	55.3	10.0	0.5	-	67.8	49.4	18.4
05:25 AM - 05:30 AM	61.6	56.9	4.7	1.5	-	63.1	49.1	14.0
05:30 AM - 05:35 AM	56.7	54.5	2.2	4.5	-	55.2	49.0	6.2
05:35 AM - 05:40 AM	61.5	59.4	2.1	4.5	-	60.0	49.8	10.2
05:40 AM - 05:45 AM	54.0	58.6	-4.6	7.0	-	50.0	50.1	-0.1
05:45 AM - 05:50 AM	60.1	57.0	3.1	3.0	-	60.1	50.0	10.1
05:50 AM - 05:55 AM	63.4	58.9	4.5	1.5	-	64.9	49.6	15.3
05:55 AM - 06:00 AM	61.5	58.1	3.4	3.0	-	61.5	49.5	12.0
06:00 AM - 07:00 AM	60.8	56.7	4.1	2.0	58.8	-	51.5	7.3
07:00 AM - 08:00 AM	63.0	58.9	4.1	2.0	61.0	-	52.6	8.4
08:00 AM - 09:00 AM	66.9	58.0	8.9	0.5	66.4	-	54.4	12.0
09:00 AM - 10:00 AM	57.2	55.8	1.4	7.0	50.2	-	53.5	-3.3
10:00 AM - 11:00 AM	59.5	56.0	3.5	2.0	57.5	-	53.5	4.0
11:00 AM - 12:00 PM	57.9	55.0	2.9	3.0	54.9	-	52.5	2.4

ค่ามาตรฐาน

≤ 10

Reference Method : ISO 1996-1

### มาตรฐาน

- ประกาศกระทรวงอุตสาหกรรม เรื่อง กำหนดค่าระดับเสียงการรบกวนและระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548
  - ประกาศกรมโรงงานอุตสาหกรรม เรื่อง วิธีการตรวจวัดระดับเสียงรบกวน ระดับเสียงเฉลี่ย 24 ชั่วโมง และระดับเสียงสูงสุดที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2553
  - ประกาศกระทรวงสาธารณสุข เรื่อง กำหนดค่ามาตรฐานมลพิษทางเสียงอันเกิดจากการประกอบกิจการที่เป็นอันตรายต่อสุขภาพ พ.ศ. 2561
- ระดับเสียงจากแหล่งกำเนิด ทำการตรวจวัด วันที่ 25-26 ธันวาคม 2565  
ระดับเสียงพื้นฐานและระดับเสียงขณะไม่มีการรบกวน (Sample No.22144028-7 วันที่ตรวจวัด 25-26 ธันวาคม 2565)

The above results are valid only for the analyzed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

Approved by

Wilawan Borirak  
Assistant Manager



## Analysis / Test Report

TESTING  
No.0042

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

Lot ID: 22144026  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report Number : 2535155-1

P/O : RJN-BW-012/65

Project Name : Chonburi Bowin

Project Location :

Page 1 of 3

Sample No. 22144026-8  
Parameter เสียงรบกวน  
Location N2 : มัสยิดนูรุลอิสลาม  
Measurement Date Dec 19 - 20, 2022  
Measurement by Jaradrawee Sriuksa  
Sound Level Meter 00709746

### ระดับเสียง (dB(A))

เวลา	เสียงจาก แหล่งกำเนิด (A)	เสียงขณะ ไม่มีการรบกวน (B)	ผลต่าง ระดับเสียง (A-B)	ตัวปรับค่า (C)	ปรับค่าเสียงจากแหล่งกำเนิด (D)		เสียงพื้นฐาน (E)	ค่าระดับ การรบกวน (D-E)
					กลางวัน (A-C)	กลางคืน (A-C)+3		
12:00 PM - 01:00 PM	59.3	59.2	0.1	7.0	52.3	-	44.5	7.8
01:00 PM - 02:00 PM	55.2	54.7	0.5	7.0	48.2	-	45.2	3.0
02:00 PM - 03:00 PM	51.7	51.4	0.3	7.0	44.7	-	44.5	0.2
03:00 PM - 04:00 PM	56.2	55.3	0.9	7.0	49.2	-	43.5	5.7
04:00 PM - 05:00 PM	58.6	57.8	0.8	7.0	51.6	-	45.0	6.6
05:00 PM - 06:00 PM	60.7	60.1	0.6	7.0	53.7	-	46.8	6.9
06:00 PM - 07:00 PM	57.4	56.5	0.9	7.0	50.4	-	45.1	5.3
07:00 PM - 08:00 PM	57.4	56.7	0.7	7.0	50.4	-	45.2	5.2
08:00 PM - 09:00 PM	57.5	57.2	0.3	7.0	50.5	-	44.4	6.1
09:00 PM - 10:00 PM	51.3	50.5	0.8	7.0	44.3	-	42.0	2.3
10:00 PM - 10:05 PM	51.7	50.8	0.9	7.0	-	47.7	42.2	5.5
10:05 PM - 10:10 PM	49.8	48.9	0.9	7.0	-	45.8	42.2	3.6
10:10 PM - 10:15 PM	50.3	49.4	0.9	7.0	-	46.3	43.2	3.1
10:15 PM - 10:20 PM	47.2	46.3	0.9	7.0	-	43.2	41.6	1.6
10:20 PM - 10:25 PM	48.3	47.0	1.3	7.0	-	44.3	42.2	2.1
10:25 PM - 10:30 PM	49.9	48.6	1.3	7.0	-	45.9	42.2	3.7
10:30 PM - 10:35 PM	51.1	49.8	1.3	7.0	-	47.1	41.6	5.5
10:35 PM - 10:40 PM	49.4	48.1	1.3	7.0	-	45.4	41.0	4.4
10:40 PM - 10:45 PM	45.7	44.4	1.3	7.0	-	41.7	41.1	0.6
10:45 PM - 10:50 PM	49.2	47.9	1.3	7.0	-	45.2	42.4	2.8
10:50 PM - 10:55 PM	45.0	43.7	1.3	7.0	-	41.0	40.7	0.3
10:55 PM - 11:00 PM	45.3	44.0	1.3	7.0	-	41.3	40.6	0.7
11:00 PM - 11:05 PM	46.6	45.3	1.3	7.0	-	42.6	40.4	2.2
11:05 PM - 11:10 PM	45.4	44.7	0.7	7.0	-	41.4	40.4	1.0
11:10 PM - 11:15 PM	41.9	41.2	0.7	7.0	-	37.9	39.2	-1.3
11:15 PM - 11:20 PM	43.7	43.0	0.7	7.0	-	39.7	40.0	-0.3
11:20 PM - 11:25 PM	49.8	49.1	0.7	7.0	-	45.8	41.4	4.4
11:25 PM - 11:30 PM	46.1	45.4	0.7	7.0	-	42.1	39.9	2.2
11:30 PM - 11:35 PM	48.1	47.4	0.7	7.0	-	44.1	39.4	4.7
11:35 PM - 11:40 PM	44.3	43.6	0.7	7.0	-	40.3	39.2	1.1
11:40 PM - 11:45 PM	42.0	41.3	0.7	7.0	-	38.0	37.8	0.2
11:45 PM - 11:50 PM	44.8	43.8	1.0	7.0	-	40.8	39.5	1.3
11:50 PM - 11:55 PM	50.3	49.3	1.0	7.0	-	46.3	39.5	6.8
11:55 PM - 12:00 AM	44.3	43.3	1.0	7.0	-	40.3	39.4	0.9
12:00 AM - 12:05 AM	43.5	42.5	1.0	7.0	-	39.5	39.3	0.2
12:05 AM - 12:10 AM	46.6	45.6	1.0	7.0	-	42.6	38.7	3.9
12:10 AM - 12:15 AM	44.5	43.5	1.0	7.0	-	40.5	38.5	2.0
12:15 AM - 12:20 AM	43.2	42.2	1.0	7.0	-	39.2	39.1	0.1
12:20 AM - 12:25 AM	50.3	49.3	1.0	7.0	-	46.3	37.5	8.8
12:25 AM - 12:30 AM	55.3	54.3	1.0	7.0	-	51.3	39.8	11.5

The above results are valid only for the analyzed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

Approved by

Wilawan Borirak  
Assistant Manager



## Analysis / Test Report

TESTING  
No.0042

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

Lot ID: 22144026  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report Number : 2535155-1

P/O : RJN-BW-012/65  
Project Name : Chonburi Bowin  
Project Location :

Page 2 of 3

Sample No. 22144026-8  
Parameter เสียงรบกวน  
Location N2 : มัสยิดนูรุลอิสลาม  
Measurement Date Dec 19 - 20, 2022  
Measurement by Jaradrawee Sriuksa  
Sound Level Meter 00709746

### ระดับเสียง (dB(A))

เวลา	เสียงจาก แหล่งกำเนิด (A)	เสียงขณะ ไม่มีการรบกวน (B)	ผลต่าง ระดับเสียง (A-B)	ตัวปรับค่า (C)	ปรับค่าเสียงจากแหล่งกำเนิด (D)		เสียงพื้นฐาน (E)	ค่าระดับ การรบกวน (D-E)
	กลางวัน (A-C)	กลางคืน (A-C)+3						
12:30 AM - 12:35 AM	43.1	42.1	1.0	7.0	-	39.1	39.4	-0.3
12:35 AM - 12:40 AM	44.6	43.6	1.0	7.0	-	40.6	39.3	1.3
12:40 AM - 12:45 AM	46.5	45.0	1.5	4.5	-	45.0	39.3	5.7
12:45 AM - 12:50 AM	40.6	39.1	1.5	4.5	-	39.1	38.3	0.8
12:50 AM - 12:55 AM	43.7	42.2	1.5	4.5	-	42.2	39.2	3.0
12:55 AM - 01:00 AM	46.2	44.7	1.5	4.5	-	44.7	39.2	5.5
01:00 AM - 01:05 AM	42.4	40.9	1.5	4.5	-	40.9	39.4	1.5
01:05 AM - 01:10 AM	44.4	42.9	1.5	4.5	-	42.9	39.7	3.2
01:10 AM - 01:15 AM	48.3	46.8	1.5	4.5	-	46.8	38.6	8.2
01:15 AM - 01:20 AM	42.8	41.3	1.5	4.5	-	41.3	39.2	2.1
01:20 AM - 01:25 AM	47.2	45.7	1.5	4.5	-	45.7	40.4	5.3
01:25 AM - 01:30 AM	44.0	42.5	1.5	4.5	-	42.5	39.9	2.6
01:30 AM - 01:35 AM	52.0	50.5	1.5	4.5	-	50.5	40.2	10.3
01:35 AM - 01:40 AM	45.3	43.9	1.4	7.0	-	41.3	40.1	1.2
01:40 AM - 01:45 AM	44.2	42.8	1.4	7.0	-	40.2	40.0	0.2
01:45 AM - 01:50 AM	46.8	45.4	1.4	7.0	-	42.8	40.4	2.4
01:50 AM - 01:55 AM	46.5	45.1	1.4	7.0	-	42.5	40.2	2.3
01:55 AM - 02:00 AM	42.7	41.3	1.4	7.0	-	38.7	39.4	-0.7
02:00 AM - 02:05 AM	42.6	41.2	1.4	7.0	-	38.6	39.2	-0.6
02:05 AM - 02:10 AM	44.8	43.4	1.4	7.0	-	40.8	40.4	0.4
02:10 AM - 02:15 AM	44.4	43.0	1.4	7.0	-	40.4	40.6	-0.2
02:15 AM - 02:20 AM	45.8	44.4	1.4	7.0	-	41.8	41.0	0.8
02:20 AM - 02:25 AM	46.9	46.1	0.8	7.0	-	42.9	40.2	2.7
02:25 AM - 02:30 AM	44.8	44.0	0.8	7.0	-	40.8	39.5	1.3
02:30 AM - 02:35 AM	73.6	72.8	0.8	7.0	-	69.6	42.6	27.0
02:35 AM - 02:40 AM	44.4	43.6	0.8	7.0	-	40.4	39.8	0.6
02:40 AM - 02:45 AM	42.7	41.9	0.8	7.0	-	38.7	39.1	-0.4
02:45 AM - 02:50 AM	46.3	45.5	0.8	7.0	-	42.3	39.3	3.0
02:50 AM - 02:55 AM	46.9	46.1	0.8	7.0	-	42.9	40.0	2.9
02:55 AM - 03:00 AM	45.2	44.4	0.8	7.0	-	41.2	39.4	1.8
03:00 AM - 03:05 AM	42.0	41.2	0.8	7.0	-	38.0	39.2	-1.2
03:05 AM - 03:10 AM	46.3	45.5	0.8	7.0	-	42.3	39.6	2.7
03:10 AM - 03:15 AM	42.5	41.7	0.8	7.0	-	38.5	39.0	-0.5
03:15 AM - 03:20 AM	46.7	45.9	0.8	7.0	-	42.7	39.2	3.5
03:20 AM - 03:25 AM	47.2	46.2	1.0	7.0	-	43.2	40.2	3.0
03:25 AM - 03:30 AM	45.9	44.9	1.0	7.0	-	41.9	40.5	1.4
03:30 AM - 03:35 AM	45.8	44.8	1.0	7.0	-	41.8	39.6	2.2
03:35 AM - 03:40 AM	44.2	43.2	1.0	7.0	-	40.2	39.5	0.7
03:40 AM - 03:45 AM	43.5	42.5	1.0	7.0	-	39.5	39.5	0.0
03:45 AM - 03:50 AM	43.6	42.6	1.0	7.0	-	39.6	40.0	-0.4

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Approved by

Wilawan Borirak  
Assistant Manager



## Analysis / Test Report

TESTING  
No.0042

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

Lot ID: 22144026  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report Number : 2535155-1

P/O : RJN-BW-012/65  
Project Name : Chonburi Bowin  
Project Location :

Page 3 of 3

Sample No. 22144026-8  
Parameter เสียงรบกวน  
Location N2 : มัสยิดบุรุษอิสลาม  
Measurement Date Dec 19 - 20, 2022  
Measurement by Jaradrawee Sriruksa  
Sound Level Meter 00709746

### ระดับเสียง (dB(A))

เวลา	เสียงจากแหล่งกำเนิด (A)	เสียงขณะไม่มีการรบกวน (B)	ผลต่างระดับเสียง (A-B)	ตัวปรับค่า (C)	ปรับค่าเสียงจากแหล่งกำเนิด (D)		เสียงพื้นฐาน (E)	ค่าระดับการรบกวน (D-E)
					กลางวัน (A-C)	กลางคืน (A-C)+3		
03:50 AM - 03:55 AM	43.2	42.2	1.0	7.0	-	39.2	39.7	-0.5
03:55 AM - 04:00 AM	43.7	42.7	1.0	7.0	-	39.7	40.3	-0.6
04:00 AM - 04:05 AM	43.6	42.6	1.0	7.0	-	39.6	40.1	-0.5
04:05 AM - 04:10 AM	52.5	51.5	1.0	7.0	-	48.5	41.5	7.0
04:10 AM - 04:15 AM	45.7	44.5	1.2	7.0	-	41.7	40.7	1.0
04:15 AM - 04:20 AM	43.1	41.9	1.2	7.0	-	39.1	40.5	-1.4
04:20 AM - 04:25 AM	44.8	43.6	1.2	7.0	-	40.8	40.8	0.0
04:25 AM - 04:30 AM	45.1	43.9	1.2	7.0	-	41.1	41.6	-0.5
04:30 AM - 04:35 AM	50.3	49.1	1.2	7.0	-	46.3	40.1	6.2
04:35 AM - 04:40 AM	45.2	44.0	1.2	7.0	-	41.2	40.7	0.5
04:40 AM - 04:45 AM	44.8	43.6	1.2	7.0	-	40.8	40.6	0.2
04:45 AM - 04:50 AM	45.2	44.0	1.2	7.0	-	41.2	41.5	-0.3
04:50 AM - 04:55 AM	47.2	46.0	1.2	7.0	-	43.2	40.8	2.4
04:55 AM - 05:00 AM	65.7	64.5	1.2	7.0	-	61.7	41.5	20.2
05:00 AM - 05:05 AM	46.4	45.2	1.2	7.0	-	42.4	41.1	1.3
05:05 AM - 05:10 AM	48.1	46.9	1.2	7.0	-	44.1	42.2	1.9
05:10 AM - 05:15 AM	54.2	52.2	2.0	4.5	-	52.7	42.5	10.2
05:15 AM - 05:20 AM	46.7	44.7	2.0	4.5	-	45.2	41.7	3.5
05:20 AM - 05:25 AM	51.3	49.3	2.0	4.5	-	49.8	42.2	7.6
05:25 AM - 05:30 AM	48.2	46.2	2.0	4.5	-	46.7	42.0	4.7
05:30 AM - 05:35 AM	52.2	50.2	2.0	4.5	-	50.7	42.6	8.1
05:35 AM - 05:40 AM	50.9	48.9	2.0	4.5	-	49.4	42.6	6.8
05:40 AM - 05:45 AM	53.4	51.4	2.0	4.5	-	51.9	43.4	8.5
05:45 AM - 05:50 AM	62.0	60.0	2.0	4.5	-	60.5	44.0	16.5
05:50 AM - 05:55 AM	61.4	59.4	2.0	4.5	-	59.9	44.4	15.5
05:55 AM - 06:00 AM	57.8	55.8	2.0	4.5	-	56.3	46.4	9.9
06:00 AM - 07:00 AM	56.5	55.4	1.1	7.0	49.5	-	47.1	2.4
07:00 AM - 08:00 AM	56.8	55.6	1.2	7.0	49.8	-	47.3	2.5
08:00 AM - 09:00 AM	60.0	59.3	0.7	7.0	53.0	-	46.6	6.4
09:00 AM - 10:00 AM	60.4	59.5	0.9	7.0	53.4	-	44.7	8.7
10:00 AM - 11:00 AM	54.2	53.2	1.0	7.0	47.2	-	43.6	3.6
11:00 AM - 12:00 PM	55.5	55.3	0.2	7.0	48.5	-	43.1	5.4

ค่ามาตรฐาน

≤ 10

Reference Method : ISO 1996-1

### มาตรฐาน

- ประกาศกระทรวงอุตสาหกรรม เรื่อง กำหนดค่าระดับเสียงการรบกวนและระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548
  - ประกาศกรมโรงงานอุตสาหกรรม เรื่อง วิธีการตรวจวัดระดับเสียงรบกวน ระดับเสียงเฉลี่ย 24 ชั่วโมง และระดับเสียงสูงสุดที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2553
  - ประกาศกระทรวงสาธารณสุข เรื่อง กำหนดค่ามาตรฐานมลพิษทางเสียงอันเกิดจากการประกอบกิจการที่เป็นอันตรายต่อสุขภาพ พ.ศ. 2561
- ระดับเสียงจากแหล่งกำเนิด ทำการตรวจวัด วันที่ 19-20 ธันวาคม 2565  
ระดับเสียงพื้นฐานและระดับเสียงขณะไม่มีการรบกวน (Sample No.22144028-8 วันที่ตรวจวัด 19-20 ธันวาคม 2565)

The above results are valid only for the analyzed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

Approved by

Wilawan Borirak  
Assistant Manager



## Analysis / Test Report

TESTING  
No.0042

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

Lot ID: 22144026  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report Number : 2535156-1

P/O : RJN-BW-012/65  
Project Name : Chonburi Bowin  
Project Location :

Page 1 of 3

Sample No. 22144026-9  
Parameter เสียงรบกวน  
Location N2 : บัสยิดบุรุษอิสลาม  
Measurement Date Dec 20 - 21, 2022  
Measurement by Jaradrawee Sriuksa  
Sound Level Meter 00709746

### ระดับเสียง (dB(A))

เวลา	เสียงจาก แหล่งกำเนิด (A)	เสียงขณะ ไม่มีการรบกวน (B)	ผลต่าง ระดับเสียง (A-B)	ตัวปรับค่า (C)	ปรับค่าเสียงจากแหล่งกำเนิด (D)		เสียงพื้นฐาน (E)	ค่าระดับ การรบกวน (D-E)
					กลางวัน (A-C)	กลางคืน (A-C)+3		
12:00 PM - 01:00 PM	54.6	54.1	0.5	7.0	47.6	-	41.5	6.1
01:00 PM - 02:00 PM	52.0	51.4	0.6	7.0	45.0	-	41.0	4.0
02:00 PM - 03:00 PM	59.0	56.9	2.1	4.5	54.5	-	41.4	13.1
03:00 PM - 04:00 PM	55.2	54.8	0.4	7.0	48.2	-	43.1	5.1
04:00 PM - 05:00 PM	59.5	58.9	0.6	7.0	52.5	-	46.2	6.3
05:00 PM - 06:00 PM	58.0	57.7	0.3	7.0	51.0	-	46.4	4.6
06:00 PM - 07:00 PM	57.3	56.7	0.6	7.0	50.3	-	44.7	5.6
07:00 PM - 08:00 PM	54.8	54.1	0.7	7.0	47.8	-	45.2	2.6
08:00 PM - 09:00 PM	54.2	54.0	0.2	7.0	47.2	-	44.4	2.8
09:00 PM - 10:00 PM	51.9	52.0	-0.1	7.0	44.9	-	42.4	2.5
10:00 PM - 10:05 PM	50.4	47.4	3.0	3.0	-	50.4	41.6	8.8
10:05 PM - 10:10 PM	49.7	50.0	-0.3	7.0	-	45.7	41.6	4.1
10:10 PM - 10:15 PM	45.6	43.9	1.7	4.5	-	44.1	41.3	2.8
10:15 PM - 10:20 PM	46.8	48.4	-1.6	7.0	-	42.8	41.2	1.6
10:20 PM - 10:25 PM	47.0	43.3	3.7	2.0	-	48.0	41.2	6.8
10:25 PM - 10:30 PM	46.5	49.7	-3.2	7.0	-	42.5	41.8	0.7
10:30 PM - 10:35 PM	49.1	42.7	6.4	1.5	-	50.6	40.8	9.8
10:35 PM - 10:40 PM	50.6	50.2	0.4	7.0	-	46.6	42.2	4.4
10:40 PM - 10:45 PM	44.1	44.3	-0.2	7.0	-	40.1	41.6	-1.5
10:45 PM - 10:50 PM	49.9	49.2	0.7	7.0	-	45.9	42.3	3.6
10:50 PM - 10:55 PM	44.9	44.4	0.5	7.0	-	40.9	42.1	-1.2
10:55 PM - 11:00 PM	50.1	49.7	0.4	7.0	-	46.1	41.6	4.5
11:00 PM - 11:05 PM	46.2	45.4	0.8	7.0	-	42.2	41.7	0.5
11:05 PM - 11:10 PM	44.4	43.9	0.5	7.0	-	40.4	40.1	0.3
11:10 PM - 11:15 PM	45.7	45.2	0.5	7.0	-	41.7	39.5	2.2
11:15 PM - 11:20 PM	47.4	47.0	0.4	7.0	-	43.4	39.9	3.5
11:20 PM - 11:25 PM	43.2	41.5	1.7	4.5	-	41.7	38.9	2.8
11:25 PM - 11:30 PM	42.2	41.8	0.4	7.0	-	38.2	39.6	-1.4
11:30 PM - 11:35 PM	43.8	43.5	0.3	7.0	-	39.8	39.6	0.2
11:35 PM - 11:40 PM	44.7	44.4	0.3	7.0	-	40.7	40.0	0.7
11:40 PM - 11:45 PM	45.6	45.3	0.3	7.0	-	41.6	40.5	1.1
11:45 PM - 11:50 PM	42.0	42.1	-0.1	7.0	-	38.0	40.0	-2.0
11:50 PM - 11:55 PM	46.1	46.0	0.1	7.0	-	42.1	40.5	1.6
11:55 PM - 12:00 AM	50.4	50.2	0.2	7.0	-	46.4	40.6	5.8
12:00 AM - 12:05 AM	48.8	48.3	0.5	7.0	-	44.8	39.8	5.0
12:05 AM - 12:10 AM	48.0	48.2	-0.2	7.0	-	44.0	40.5	3.5
12:10 AM - 12:15 AM	45.1	44.5	0.6	7.0	-	41.1	40.3	0.8
12:15 AM - 12:20 AM	42.2	42.0	0.2	7.0	-	38.2	40.2	-2.0
12:20 AM - 12:25 AM	49.6	50.1	-0.5	7.0	-	45.6	40.2	5.4
12:25 AM - 12:30 AM	43.3	43.2	0.1	7.0	-	39.3	40.8	-1.5

The above results are valid only for the analyzed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

Approved by

*Wilawan Borirak*

Wilawan Borirak  
Assistant Manager





## Analysis / Test Report

TESTING  
No.0042

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

Lot ID: 22144026  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report Number : 2535156-1

P/O : RJN-BW-012/65  
Project Name : Chonburi Bowin  
Project Location :

Page 2 of 3

Sample No. 22144026-9  
Parameter เสียงรบกวน  
Location N2 : มัสยิดนูรุลอิสลาม  
Measurement Date Dec 20 - 21, 2022  
Measurement by Jaradrawee Sriuksa  
Sound Level Meter 00709746

### ระดับเสียง (dB(A))

เวลา	เสียงจาก แหล่งกำเนิด (A)	เสียงขณะ ไม่มีการรบกวน (B)	ผลต่าง ระดับเสียง (A-B)	ตัวปรับค่า (C)	ปรับค่าเสียงจากแหล่งกำเนิด (D)		เสียงพื้นฐาน (E)	ค่าระดับ การรบกวน (D-E)
					กลางวัน (A-C)	กลางคืน (A-C)+3		
12:30 AM - 12:35 AM	43.2	46.0	-2.8	7.0	-	39.2	40.7	-1.5
12:35 AM - 12:40 AM	47.1	44.6	2.5	3.0	-	47.1	41.0	6.1
12:40 AM - 12:45 AM	44.0	43.7	0.3	7.0	-	40.0	41.1	-1.1
12:45 AM - 12:50 AM	43.2	42.6	0.6	7.0	-	39.2	41.1	-1.9
12:50 AM - 12:55 AM	42.8	43.1	-0.3	7.0	-	38.8	41.5	-2.7
12:55 AM - 01:00 AM	43.8	46.4	-2.6	7.0	-	39.8	40.1	-0.3
01:00 AM - 01:05 AM	46.4	42.9	3.5	2.0	-	47.4	40.5	6.9
01:05 AM - 01:10 AM	42.4	41.9	0.5	7.0	-	38.4	40.1	-1.7
01:10 AM - 01:15 AM	43.4	43.3	0.1	7.0	-	39.4	41.4	-2.0
01:15 AM - 01:20 AM	43.6	43.4	0.2	7.0	-	39.6	41.0	-1.4
01:20 AM - 01:25 AM	42.5	42.0	0.5	7.0	-	38.5	41.0	-2.5
01:25 AM - 01:30 AM	43.9	43.8	0.1	7.0	-	39.9	41.8	-1.9
01:30 AM - 01:35 AM	44.7	44.2	0.5	7.0	-	40.7	41.1	-0.4
01:35 AM - 01:40 AM	44.6	44.0	0.6	7.0	-	40.6	41.8	-1.2
01:40 AM - 01:45 AM	44.2	43.9	0.3	7.0	-	40.2	41.7	-1.5
01:45 AM - 01:50 AM	44.8	44.5	0.3	7.0	-	40.8	42.7	-1.9
01:50 AM - 01:55 AM	47.2	47.1	0.1	7.0	-	43.2	42.5	0.7
01:55 AM - 02:00 AM	43.5	43.3	0.2	7.0	-	39.5	41.6	-2.1
02:00 AM - 02:05 AM	42.8	42.6	0.2	7.0	-	38.8	40.0	-1.2
02:05 AM - 02:10 AM	42.4	42.7	-0.3	7.0	-	38.4	41.0	-2.6
02:10 AM - 02:15 AM	43.1	43.0	0.1	7.0	-	39.1	40.9	-1.8
02:15 AM - 02:20 AM	55.1	55.0	0.1	7.0	-	51.1	41.8	9.3
02:20 AM - 02:25 AM	42.8	42.4	0.4	7.0	-	38.8	40.2	-1.4
02:25 AM - 02:30 AM	42.6	42.4	0.2	7.0	-	38.6	39.8	-1.2
02:30 AM - 02:35 AM	44.7	44.3	0.4	7.0	-	40.7	39.1	1.6
02:35 AM - 02:40 AM	41.2	41.3	-0.1	7.0	-	37.2	39.8	-2.6
02:40 AM - 02:45 AM	41.0	40.8	0.2	7.0	-	37.0	39.7	-2.7
02:45 AM - 02:50 AM	41.1	41.1	0.0	7.0	-	37.1	40.0	-2.9
02:50 AM - 02:55 AM	42.4	44.0	-1.6	7.0	-	38.4	40.2	-1.8
02:55 AM - 03:00 AM	44.4	42.8	1.6	4.5	-	42.9	39.6	3.3
03:00 AM - 03:05 AM	41.9	41.8	0.1	7.0	-	37.9	39.3	-1.4
03:05 AM - 03:10 AM	44.6	44.3	0.3	7.0	-	40.6	41.4	-0.8
03:10 AM - 03:15 AM	44.6	44.4	0.2	7.0	-	40.6	41.4	-0.8
03:15 AM - 03:20 AM	48.1	47.6	0.5	7.0	-	44.1	41.5	2.6
03:20 AM - 03:25 AM	42.5	45.8	-3.3	7.0	-	38.5	40.9	-2.4
03:25 AM - 03:30 AM	46.3	44.6	1.7	4.5	-	44.8	41.3	3.5
03:30 AM - 03:35 AM	45.1	44.2	0.9	7.0	-	41.1	41.9	-0.8
03:35 AM - 03:40 AM	44.4	44.3	0.1	7.0	-	40.4	40.9	-0.5
03:40 AM - 03:45 AM	43.5	43.8	-0.3	7.0	-	39.5	41.2	-1.7
03:45 AM - 03:50 AM	43.8	43.5	0.3	7.0	-	39.8	41.7	-1.9

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Approved by

Wilawan Borirak  
Assistant Manager





## Analysis / Test Report

TESTING  
No.0042

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

Lot ID: 22144026  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report Number : 2535156-1

P/O : RJN-BW-012/65

Project Name : Chonburi Bowin

Project Location :

Page 3 of 3

Sample No. 22144026-9  
Parameter เสียงรบกวน  
Location N2 : มัสยิดบุรุษอิสลาม  
Measurement Date Dec 20 - 21, 2022  
Measurement by Jaradrawee Sriruksa  
Sound Level Meter 00709746

### ระดับเสียง (dB(A))

เวลา	เสียงจากแหล่งกำเนิด (A)	เสียงขณะไม่มีการรบกวน (B)	ผลต่างระดับเสียง (A-B)	ตัวปรับค่า (C)	ปรับค่าเสียงจากแหล่งกำเนิด (D)		เสียงพื้นฐาน (E)	ค่าระดับการรบกวน (D-E)
					กลางวัน (A-C)	กลางคืน (A-C)+3		
03:50 AM - 03:55 AM	43.7	43.4	0.3	7.0	-	39.7	42.1	-2.4
03:55 AM - 04:00 AM	46.3	45.9	0.4	7.0	-	42.3	43.0	-0.7
04:00 AM - 04:05 AM	48.5	47.9	0.6	7.0	-	44.5	41.6	2.9
04:05 AM - 04:10 AM	46.2	46.1	0.1	7.0	-	42.2	41.2	1.0
04:10 AM - 04:15 AM	53.7	53.8	-0.1	7.0	-	49.7	41.1	8.6
04:15 AM - 04:20 AM	44.7	44.9	-0.2	7.0	-	40.7	41.0	-0.3
04:20 AM - 04:25 AM	44.2	43.0	1.2	7.0	-	40.2	41.0	-0.8
04:25 AM - 04:30 AM	49.5	49.7	-0.2	7.0	-	45.5	40.5	5.0
04:30 AM - 04:35 AM	49.0	48.6	0.4	7.0	-	45.0	39.6	5.4
04:35 AM - 04:40 AM	42.5	42.4	0.1	7.0	-	38.5	40.5	-2.0
04:40 AM - 04:45 AM	44.9	45.0	-0.1	7.0	-	40.9	40.5	0.4
04:45 AM - 04:50 AM	48.9	47.9	1.0	7.0	-	44.9	41.6	3.3
04:50 AM - 04:55 AM	47.4	46.7	0.7	7.0	-	43.4	41.7	1.7
04:55 AM - 05:00 AM	59.7	62.9	-3.2	7.0	-	55.7	42.5	13.2
05:00 AM - 05:05 AM	64.1	62.4	1.7	4.5	-	62.6	42.1	20.5
05:05 AM - 05:10 AM	44.9	44.8	0.1	7.0	-	40.9	42.5	-1.6
05:10 AM - 05:15 AM	52.8	52.7	0.1	7.0	-	48.8	43.2	5.6
05:15 AM - 05:20 AM	46.7	46.6	0.1	7.0	-	42.7	43.0	-0.3
05:20 AM - 05:25 AM	50.5	50.4	0.1	7.0	-	46.5	42.8	3.7
05:25 AM - 05:30 AM	48.3	47.6	0.7	7.0	-	44.3	42.5	1.8
05:30 AM - 05:35 AM	47.6	46.9	0.7	7.0	-	43.6	42.7	0.9
05:35 AM - 05:40 AM	50.0	49.7	0.3	7.0	-	46.0	43.6	2.4
05:40 AM - 05:45 AM	48.9	47.2	1.7	4.5	-	47.4	43.3	4.1
05:45 AM - 05:50 AM	48.0	48.4	-0.4	7.0	-	44.0	43.5	0.5
05:50 AM - 05:55 AM	55.9	56.2	-0.3	7.0	-	51.9	45.0	6.9
05:55 AM - 06:00 AM	55.9	56.9	-1.0	7.0	-	51.9	44.9	7.0
06:00 AM - 07:00 AM	57.0	56.6	0.4	7.0	50.0	-	48.5	1.5
07:00 AM - 08:00 AM	62.1	61.1	1.0	7.0	55.1	-	49.3	5.8
08:00 AM - 09:00 AM	58.0	58.3	-0.3	7.0	51.0	-	51.5	-0.5
09:00 AM - 10:00 AM	59.3	60.4	-1.1	7.0	52.3	-	45.7	6.6
10:00 AM - 11:00 AM	53.4	53.4	0.0	7.0	46.4	-	45.5	0.9
11:00 AM - 12:00 PM	56.5	56.6	-0.1	7.0	49.5	-	45.0	4.5
ค่ามาตรฐาน								≤ 10

Reference Method : ISO 1996-1

#### มาตรฐาน

- ประกาศกระทรวงอุตสาหกรรม เรื่อง กำหนดค่าระดับเสียงการรบกวนและระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548
  - ประกาศกรมโรงงานอุตสาหกรรม เรื่อง วิธีการตรวจวัดระดับเสียงรบกวน ระดับเสียงเฉลี่ย 24 ชั่วโมง และระดับเสียงสูงสุดที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2553
  - ประกาศกระทรวงสาธารณสุข เรื่อง กำหนดค่ามาตรฐานมลพิษทางเสียงอันเกิดจากการประกอบกิจการที่เป็นอันตรายต่อสุขภาพ พ.ศ. 2561
- ระดับเสียงจากแหล่งกำเนิด ทำการตรวจวัด วันที่ 20-21 ธันวาคม 2565  
ระดับเสียงพื้นฐานและระดับเสียงขณะไม่มีการรบกวน (Sample No.22144028-9 วันที่ตรวจวัด 20-21 ธันวาคม 2565)

The above results are valid only for the analyzed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

Approved by

Wilawan Borirak  
Assistant Manager



## Analysis / Test Report

TESTING  
No.0042

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

Lot ID: 22144026  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report Number : 2535157-1

P/O : RJN-BW-012/65

Project Name : Chonburi Bowin

Project Location :

Page 1 of 3

Sample No. 22144026-10  
Parameter เสียงรบกวน  
Location N2 : บัสยิดบุรุษอิสลาม  
Measurement Date Dec 21 - 22, 2022  
Measurement by Jaradrawee Sriuksa  
Sound Level Meter 00709746

### ระดับเสียง (dB(A))

เวลา	เสียงจาก แหล่งกำเนิด <sup>(A)</sup>	เสียงขณะ ไม่มีการรบกวน <sup>(B)</sup>	ผลต่าง ระดับเสียง <sup>(A-B)</sup>	ตัวปรับค่า <sup>(C)</sup>	ปรับค่าเสียงจากแหล่งกำเนิด <sup>(B)</sup>		เสียงพื้นฐาน <sup>(E)</sup>	ค่าระดับ การรบกวน <sup>(D-E)</sup>
					กลางวัน <sup>(A-C)</sup>	กลางคืน <sup>(A-C)+3</sup>		
12:00 PM - 01:00 PM	57.1	56.8	0.3	7.0	50.1	-	45.2	4.9
01:00 PM - 02:00 PM	53.8	53.6	0.2	7.0	46.8	-	43.3	3.5
02:00 PM - 03:00 PM	52.5	52.9	-0.4	7.0	45.5	-	42.5	3.0
03:00 PM - 04:00 PM	57.9	57.6	0.3	7.0	50.9	-	42.6	8.3
04:00 PM - 05:00 PM	53.6	53.3	0.3	7.0	46.6	-	42.9	3.7
05:00 PM - 06:00 PM	57.6	57.4	0.2	7.0	50.6	-	45.4	5.2
06:00 PM - 07:00 PM	55.9	54.9	1.0	7.0	48.9	-	45.3	3.6
07:00 PM - 08:00 PM	53.8	55.2	-1.4	7.0	46.8	-	44.3	2.5
08:00 PM - 09:00 PM	54.3	53.9	0.4	7.0	47.3	-	43.8	3.5
09:00 PM - 10:00 PM	51.3	50.1	1.2	7.0	44.3	-	42.9	1.4
10:00 PM - 10:05 PM	51.9	51.2	0.7	7.0	-	47.9	44.6	3.3
10:05 PM - 10:10 PM	48.7	48.0	0.7	7.0	-	44.7	43.7	1.0
10:10 PM - 10:15 PM	51.8	51.1	0.7	7.0	-	47.8	43.1	4.7
10:15 PM - 10:20 PM	50.9	50.2	0.7	7.0	-	46.9	42.7	4.2
10:20 PM - 10:25 PM	49.1	48.4	0.7	7.0	-	45.1	42.9	2.2
10:25 PM - 10:30 PM	48.7	48.0	0.7	7.0	-	44.7	42.4	2.3
10:30 PM - 10:35 PM	46.9	46.2	0.7	7.0	-	42.9	41.6	1.3
10:35 PM - 10:40 PM	52.6	51.9	0.7	7.0	-	48.6	42.3	6.3
10:40 PM - 10:45 PM	45.5	44.8	0.7	7.0	-	41.5	42.7	-1.2
10:45 PM - 10:50 PM	45.1	43.9	1.2	7.0	-	41.1	42.7	-1.6
10:50 PM - 10:55 PM	46.0	44.8	1.2	7.0	-	42.0	42.7	-0.7
10:55 PM - 11:00 PM	47.8	46.6	1.2	7.0	-	43.8	42.7	1.1
11:00 PM - 11:05 PM	45.9	44.7	1.2	7.0	-	41.9	42.6	-0.7
11:05 PM - 11:10 PM	44.6	43.4	1.2	7.0	-	40.6	42.3	-1.7
11:10 PM - 11:15 PM	46.1	44.9	1.2	7.0	-	42.1	42.2	-0.1
11:15 PM - 11:20 PM	44.7	43.5	1.2	7.0	-	40.7	42.2	-1.5
11:20 PM - 11:25 PM	44.6	43.4	1.2	7.0	-	40.6	41.4	-0.8
11:25 PM - 11:30 PM	46.0	44.8	1.2	7.0	-	42.0	41.3	0.7
11:30 PM - 11:35 PM	44.4	43.2	1.2	7.0	-	40.4	41.0	-0.6
11:35 PM - 11:40 PM	45.6	44.4	1.2	7.0	-	41.6	42.3	-0.7
11:40 PM - 11:45 PM	45.4	44.2	1.2	7.0	-	41.4	42.2	-0.8
11:45 PM - 11:50 PM	44.9	43.7	1.2	7.0	-	40.9	42.3	-1.4
11:50 PM - 11:55 PM	50.4	49.2	1.2	7.0	-	46.4	40.8	5.6
11:55 PM - 12:00 AM	50.1	48.1	2.0	4.5	-	48.6	40.9	7.7
12:00 AM - 12:05 AM	48.5	46.5	2.0	4.5	-	47.0	41.4	5.6
12:05 AM - 12:10 AM	44.5	42.5	2.0	4.5	-	43.0	40.8	2.2
12:10 AM - 12:15 AM	45.9	43.9	2.0	4.5	-	44.4	40.7	3.7
12:15 AM - 12:20 AM	44.6	42.6	2.0	4.5	-	43.1	41.3	1.8
12:20 AM - 12:25 AM	45.3	43.3	2.0	4.5	-	43.8	38.7	5.1
12:25 AM - 12:30 AM	47.3	45.3	2.0	4.5	-	45.8	39.4	6.4

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Approved by

Wilawan Borirak  
Assistant Manager



## Analysis / Test Report

TESTING  
No.0042

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

Lot ID: 22144026  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report Number : 2535157-1

P/O : RJN-BW-012/65  
Project Name : Chonburi Bowin  
Project Location :

Page 2 of 3

Sample No. 22144026-10  
Parameter เสียงรบกวน  
Location N2 : มัสยิดนูรุลอิสลาม  
Measurement Date Dec 21 - 22, 2022  
Measurement by Jaradrawee Sriuksa  
Sound Level Meter 00709746

### ระดับเสียง (dB(A))

เวลา	เสียงจาก แหล่งกำเนิด (A)	เสียงขณะ ไม่มีการรบกวน (B)	ผลต่าง ระดับเสียง (A-B)	ตัวปรับค่า (C)	ปรับค่าเสียงจากแหล่งกำเนิด (D)		เสียงพื้นฐาน (E)	ค่าระดับ การรบกวน (D-E)
	กลางวัน (A-C)	กลางคืน (A-C)+3						
12:30 AM - 12:35 AM	42.4	40.4	2.0	4.5	-	40.9	39.0	1.9
12:35 AM - 12:40 AM	44.0	42.0	2.0	4.5	-	42.5	39.7	2.8
12:40 AM - 12:45 AM	44.5	42.5	2.0	4.5	-	43.0	41.0	2.0
12:45 AM - 12:50 AM	44.8	42.8	2.0	4.5	-	43.3	41.4	1.9
12:50 AM - 12:55 AM	45.2	44.5	0.7	7.0	-	41.2	40.1	1.1
12:55 AM - 01:00 AM	43.3	42.6	0.7	7.0	-	39.3	41.1	-1.8
01:00 AM - 01:05 AM	43.3	42.6	0.7	7.0	-	39.3	41.4	-2.1
01:05 AM - 01:10 AM	43.5	42.8	0.7	7.0	-	39.5	41.4	-1.9
01:10 AM - 01:15 AM	42.4	41.7	0.7	7.0	-	38.4	40.7	-2.3
01:15 AM - 01:20 AM	43.1	42.4	0.7	7.0	-	39.1	39.9	-0.8
01:20 AM - 01:25 AM	42.2	41.5	0.7	7.0	-	38.2	40.2	-2.0
01:25 AM - 01:30 AM	42.2	41.5	0.7	7.0	-	38.2	40.2	-2.0
01:30 AM - 01:35 AM	42.5	41.8	0.7	7.0	-	38.5	40.1	-1.6
01:35 AM - 01:40 AM	48.7	48.0	0.7	7.0	-	44.7	41.2	3.5
01:40 AM - 01:45 AM	46.2	45.5	0.7	7.0	-	42.2	41.9	0.3
01:45 AM - 01:50 AM	45.8	45.1	0.7	7.0	-	41.8	41.1	0.7
01:50 AM - 01:55 AM	44.0	43.1	0.9	7.0	-	40.0	41.9	-1.9
01:55 AM - 02:00 AM	47.4	46.5	0.9	7.0	-	43.4	42.4	1.0
02:00 AM - 02:05 AM	47.6	46.7	0.9	7.0	-	43.6	42.6	1.0
02:05 AM - 02:10 AM	45.2	44.3	0.9	7.0	-	41.2	42.8	-1.6
02:10 AM - 02:15 AM	62.0	61.1	0.9	7.0	-	58.0	43.3	14.7
02:15 AM - 02:20 AM	45.6	44.7	0.9	7.0	-	41.6	42.8	-1.2
02:20 AM - 02:25 AM	45.2	44.3	0.9	7.0	-	41.2	42.8	-1.6
02:25 AM - 02:30 AM	44.8	43.9	0.9	7.0	-	40.8	42.6	-1.8
02:30 AM - 02:35 AM	49.4	48.5	0.9	7.0	-	45.4	41.1	4.3
02:35 AM - 02:40 AM	43.3	42.4	0.9	7.0	-	39.3	40.8	-1.5
02:40 AM - 02:45 AM	43.0	42.1	0.9	7.0	-	39.0	40.9	-1.9
02:45 AM - 02:50 AM	44.1	43.2	0.9	7.0	-	40.1	41.0	-0.9
02:50 AM - 02:55 AM	43.5	42.6	0.9	7.0	-	39.5	40.6	-1.1
02:55 AM - 03:00 AM	43.1	41.6	1.5	4.5	-	41.6	40.4	1.2
03:00 AM - 03:05 AM	45.2	43.7	1.5	4.5	-	43.7	40.7	3.0
03:05 AM - 03:10 AM	43.3	41.8	1.5	4.5	-	41.8	40.7	1.1
03:10 AM - 03:15 AM	47.2	45.7	1.5	4.5	-	45.7	40.9	4.8
03:15 AM - 03:20 AM	45.2	43.7	1.5	4.5	-	43.7	40.7	3.0
03:20 AM - 03:25 AM	46.7	45.2	1.5	4.5	-	45.2	41.0	4.2
03:25 AM - 03:30 AM	44.6	43.1	1.5	4.5	-	43.1	41.0	2.1
03:30 AM - 03:35 AM	44.3	42.8	1.5	4.5	-	42.8	40.5	2.3
03:35 AM - 03:40 AM	43.7	42.2	1.5	4.5	-	42.2	40.8	1.4
03:40 AM - 03:45 AM	44.6	43.1	1.5	4.5	-	43.1	41.5	1.6
03:45 AM - 03:50 AM	43.0	42.2	0.8	7.0	-	39.0	40.3	-1.3

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Approved by

Wilawan Borirak  
Assistant Manager



## Analysis / Test Report

TESTING  
No.0042

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

Lot ID: 22144026  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report Number : 2535157-1

P/O : RJN-BW-012/65

Project Name : Chonburi Bowin

Project Location :

Page 3 of 3

Sample No. 22144026-10  
Parameter เสียงรบกวน  
Location N2 : มัสยิดบุรุษอิสลาม  
Measurement Date Dec 21 - 22, 2022  
Measurement by Jaradrawee Sriruksa  
Sound Level Meter 00709746

### ระดับเสียง (dB(A))

เวลา	(A)	(B)	(A-B)	(C)	(D)		(E)	(D-E)
	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	ผลต่างระดับเสียง	ตัวปรับค่า	ปรับค่าเสียงจากแหล่งกำเนิดกลางวัน (A-C)	ปรับค่าเสียงจากแหล่งกำเนิดกลางคืน (A-C)+3	เสียงพื้นฐาน	ค่าระดับการรบกวน
03:50 AM - 03:55 AM	43.3	42.5	0.8	7.0	-	39.3	40.5	-1.2
03:55 AM - 04:00 AM	45.4	44.6	0.8	7.0	-	41.4	41.0	0.4
04:00 AM - 04:05 AM	51.3	50.5	0.8	7.0	-	47.3	41.0	6.3
04:05 AM - 04:10 AM	42.7	41.9	0.8	7.0	-	38.7	40.8	-2.1
04:10 AM - 04:15 AM	48.0	47.2	0.8	7.0	-	44.0	40.7	3.3
04:15 AM - 04:20 AM	46.1	45.3	0.8	7.0	-	42.1	40.8	1.3
04:20 AM - 04:25 AM	44.9	44.1	0.8	7.0	-	40.9	40.6	0.3
04:25 AM - 04:30 AM	44.9	44.1	0.8	7.0	-	40.9	40.5	0.4
04:30 AM - 04:35 AM	47.3	46.5	0.8	7.0	-	43.3	41.1	2.2
04:35 AM - 04:40 AM	47.3	46.5	0.8	7.0	-	43.3	41.3	2.0
04:40 AM - 04:45 AM	47.7	46.9	0.8	7.0	-	43.7	40.7	3.0
04:45 AM - 04:50 AM	45.3	44.5	0.8	7.0	-	41.3	41.9	-0.6
04:50 AM - 04:55 AM	44.8	44.1	0.7	7.0	-	40.8	41.5	-0.7
04:55 AM - 05:00 AM	48.1	47.4	0.7	7.0	-	44.1	42.2	1.9
05:00 AM - 05:05 AM	66.5	65.8	0.7	7.0	-	62.5	42.6	19.9
05:05 AM - 05:10 AM	50.9	50.2	0.7	7.0	-	46.9	43.1	3.8
05:10 AM - 05:15 AM	49.2	48.5	0.7	7.0	-	45.2	43.1	2.1
05:15 AM - 05:20 AM	53.1	52.4	0.7	7.0	-	49.1	42.9	6.2
05:20 AM - 05:25 AM	53.2	52.5	0.7	7.0	-	49.2	42.4	6.8
05:25 AM - 05:30 AM	49.8	49.1	0.7	7.0	-	45.8	43.1	2.7
05:30 AM - 05:35 AM	48.1	47.4	0.7	7.0	-	44.1	43.0	1.1
05:35 AM - 05:40 AM	47.5	46.8	0.7	7.0	-	43.5	43.1	0.4
05:40 AM - 05:45 AM	50.5	49.8	0.7	7.0	-	46.5	44.0	2.5
05:45 AM - 05:50 AM	54.8	54.4	0.4	7.0	-	50.8	44.9	5.9
05:50 AM - 05:55 AM	50.2	49.8	0.4	7.0	-	46.2	44.6	1.6
05:55 AM - 06:00 AM	50.0	49.6	0.4	7.0	-	46.0	44.7	1.3
06:00 AM - 07:00 AM	56.8	56.3	0.5	7.0	49.8	-	47.7	2.1
07:00 AM - 08:00 AM	56.1	55.4	0.7	7.0	49.1	-	48.7	0.4
08:00 AM - 09:00 AM	57.7	57.0	0.7	7.0	50.7	-	47.7	3.0
09:00 AM - 10:00 AM	61.6	61.0	0.6	7.0	54.6	-	46.9	7.7
10:00 AM - 11:00 AM	54.6	54.2	0.4	7.0	47.6	-	44.4	3.2
11:00 AM - 12:00 PM	53.6	53.0	0.6	7.0	46.6	-	43.6	3.0
ค่ามาตรฐาน ≤ 10								

ค่ามาตรฐาน

≤ 10

Reference Method : ISO 1996-1

### มาตรฐาน

- ประกาศกระทรวงอุตสาหกรรม เรื่อง กำหนดค่าระดับเสียงการรบกวนและระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548
  - ประกาศกรมโรงงานอุตสาหกรรม เรื่อง วิธีการตรวจวัดระดับเสียงรบกวน ระดับเสียงเฉลี่ย 24 ชั่วโมง และระดับเสียงสูงสุดที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2553
  - ประกาศกระทรวงสาธารณสุข เรื่อง กำหนดค่ามาตรฐานมลพิษทางเสียงอันเกิดจากการประกอบกิจการที่เป็นอันตรายต่อสุขภาพ พ.ศ. 2561
- ระดับเสียงจากแหล่งกำเนิด ทำการตรวจวัด วันที่ 21-22 ธันวาคม 2565  
ระดับเสียงพื้นฐานและระดับเสียงขณะไม่มีการรบกวน (Sample No.22144028-10 วันที่ตรวจวัด 21-22 ธันวาคม 2565)

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Approved by

Wilawan Borirak  
Assistant Manager



# Analysis / Test Report

**TESTING**  
**No.0042**

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

Lot ID: 22144026  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report Number : 2535158-1

P/O : RJN-BW-012/65  
Project Name : Chonburi Bowin  
Project Location :

Page 1 of 3

Sample No. 22144026-11  
Parameter เสียงรบกวน  
Location N2 : บัสยิดบุรุษอิสลาม  
Measurement Date Dec 22 - 23, 2022  
Measurement by Jaradrawee Sriuksa  
Sound Level Meter 00709746

## ระดับเสียง (dB(A))

เวลา	เสียงจาก แหล่งกำเนิด <sup>(A)</sup>	เสียงขณะ ไม่มีการรบกวน <sup>(B)</sup>	ผลต่าง ระดับเสียง <sup>(A-B)</sup>	ตัวปรับค่า <sup>(C)</sup>	ปรับค่าเสียงจากแหล่งกำเนิด <sup>(B)</sup>		เสียงพื้นฐาน <sup>(E)</sup>	ค่าระดับ การรบกวน <sup>(D-E)</sup>
					กลางวัน <sup>(A-C)</sup>	กลางคืน <sup>(A-C)+3</sup>		
12:00 PM - 01:00 PM	57.1	56.6	0.5	7.0	50.1	-	51.3	-1.2
01:00 PM - 02:00 PM	50.9	50.1	0.8	7.0	43.9	-	41.7	2.2
02:00 PM - 03:00 PM	52.1	51.0	1.1	7.0	45.1	-	40.7	4.4
03:00 PM - 04:00 PM	56.7	55.2	1.5	4.5	52.2	-	40.4	11.8
04:00 PM - 05:00 PM	58.3	57.3	1.0	7.0	51.3	-	46.0	5.3
05:00 PM - 06:00 PM	60.7	59.9	0.8	7.0	53.7	-	47.9	5.8
06:00 PM - 07:00 PM	56.2	55.1	1.1	7.0	49.2	-	46.2	3.0
07:00 PM - 08:00 PM	57.5	57.0	0.5	7.0	50.5	-	44.0	6.5
08:00 PM - 09:00 PM	56.4	55.2	1.2	7.0	49.4	-	43.1	6.3
09:00 PM - 10:00 PM	52.0	50.9	1.1	7.0	45.0	-	40.6	4.4
10:00 PM - 10:05 PM	50.9	50.0	0.9	7.0	-	46.9	41.0	5.9
10:05 PM - 10:10 PM	48.8	47.9	0.9	7.0	-	44.8	40.9	3.9
10:10 PM - 10:15 PM	50.6	49.7	0.9	7.0	-	46.6	41.2	5.4
10:15 PM - 10:20 PM	53.0	52.1	0.9	7.0	-	49.0	42.1	6.9
10:20 PM - 10:25 PM	51.8	50.9	0.9	7.0	-	47.8	41.7	6.1
10:25 PM - 10:30 PM	50.4	49.5	0.9	7.0	-	46.4	40.9	5.5
10:30 PM - 10:35 PM	51.5	50.6	0.9	7.0	-	47.5	42.5	5.0
10:35 PM - 10:40 PM	49.0	48.1	0.9	7.0	-	45.0	41.6	3.4
10:40 PM - 10:45 PM	54.4	53.5	0.9	7.0	-	50.4	43.3	7.1
10:45 PM - 10:50 PM	52.6	51.7	0.9	7.0	-	48.6	43.4	5.2
10:50 PM - 10:55 PM	50.8	49.9	0.9	7.0	-	46.8	42.3	4.5
10:55 PM - 11:00 PM	51.9	51.0	0.9	7.0	-	47.9	42.8	5.1
11:00 PM - 11:05 PM	54.4	53.8	0.6	7.0	-	50.4	44.6	5.8
11:05 PM - 11:10 PM	51.8	51.2	0.6	7.0	-	47.8	42.2	5.6
11:10 PM - 11:15 PM	51.6	51.0	0.6	7.0	-	47.6	43.5	4.1
11:15 PM - 11:20 PM	52.2	51.6	0.6	7.0	-	48.2	43.1	5.1
11:20 PM - 11:25 PM	51.5	50.9	0.6	7.0	-	47.5	43.1	4.4
11:25 PM - 11:30 PM	54.1	53.5	0.6	7.0	-	50.1	40.8	9.3
11:30 PM - 11:35 PM	51.0	50.4	0.6	7.0	-	47.0	41.4	5.6
11:35 PM - 11:40 PM	47.5	46.9	0.6	7.0	-	43.5	41.4	2.1
11:40 PM - 11:45 PM	47.4	46.8	0.6	7.0	-	43.4	41.5	1.9
11:45 PM - 11:50 PM	51.5	50.9	0.6	7.0	-	47.5	43.3	4.2
11:50 PM - 11:55 PM	52.0	51.4	0.6	7.0	-	48.0	41.4	6.6
11:55 PM - 12:00 AM	51.3	49.3	2.0	4.5	-	49.8	42.8	7.0
12:00 AM - 12:05 AM	51.2	49.2	2.0	4.5	-	49.7	43.2	6.5
12:05 AM - 12:10 AM	50.8	48.8	2.0	4.5	-	49.3	43.0	6.3
12:10 AM - 12:15 AM	48.6	46.6	2.0	4.5	-	47.1	42.7	4.4
12:15 AM - 12:20 AM	49.4	47.4	2.0	4.5	-	47.9	42.6	5.3
12:20 AM - 12:25 AM	47.7	45.7	2.0	4.5	-	46.2	42.0	4.2
12:25 AM - 12:30 AM	48.8	46.8	2.0	4.5	-	47.3	42.7	4.6

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Approved by

*Wilawan Borirak*

Wilawan Borirak  
Assistant Manager



# Analysis / Test Report

TESTING  
No.0042

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

Lot ID: 22144026  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report Number : 2535158-1

P/O : RJN-BW-012/65  
Project Name : Chonburi Bowin  
Project Location :

Page 2 of 3

Sample No. 22144026-11  
Parameter เสียงรบกวน  
Location N2 : มัสยิดนูรุลอิสลาม  
Measurement Date Dec 22 - 23, 2022  
Measurement by Jaradrawee Sriuksa  
Sound Level Meter 00709746

## ระดับเสียง (dB(A))

เวลา	เสียงจาก แหล่งกำเนิด (A)	เสียงขณะ ไม่มีการรบกวน (B)	ผลต่าง ระดับเสียง (A-B)	ตัวปรับค่า (C)	ปรับค่าเสียงจากแหล่งกำเนิด (D)		เสียงพื้นฐาน (E)	ค่าระดับ การรบกวน (D-E)
					กลางวัน (A-C)	กลางคืน (A-C)+3		
12:30 AM - 12:35 AM	51.0	49.0	2.0	4.5	-	49.5	42.1	7.4
12:35 AM - 12:40 AM	54.7	52.7	2.0	4.5	-	53.2	41.2	12.0
12:40 AM - 12:45 AM	45.9	43.9	2.0	4.5	-	44.4	40.4	4.0
12:45 AM - 12:50 AM	44.0	42.0	2.0	4.5	-	42.5	40.3	2.2
12:50 AM - 12:55 AM	50.7	48.7	2.0	4.5	-	49.2	41.2	8.0
12:55 AM - 01:00 AM	45.8	45.1	0.7	7.0	-	41.8	41.6	0.2
01:00 AM - 01:05 AM	44.2	43.5	0.7	7.0	-	40.2	41.6	-1.4
01:05 AM - 01:10 AM	45.3	44.6	0.7	7.0	-	41.3	41.9	-0.6
01:10 AM - 01:15 AM	44.2	43.5	0.7	7.0	-	40.2	41.6	-1.4
01:15 AM - 01:20 AM	44.7	44.0	0.7	7.0	-	40.7	40.9	-0.2
01:20 AM - 01:25 AM	43.6	42.9	0.7	7.0	-	39.6	41.0	-1.4
01:25 AM - 01:30 AM	47.9	47.2	0.7	7.0	-	43.9	41.3	2.6
01:30 AM - 01:35 AM	43.0	42.3	0.7	7.0	-	39.0	40.3	-1.3
01:35 AM - 01:40 AM	43.0	42.3	0.7	7.0	-	39.0	40.2	-1.2
01:40 AM - 01:45 AM	42.3	41.6	0.7	7.0	-	38.3	40.5	-2.2
01:45 AM - 01:50 AM	42.2	41.5	0.7	7.0	-	38.2	40.4	-2.2
01:50 AM - 01:55 AM	42.9	42.2	0.7	7.0	-	38.9	40.0	-1.1
01:55 AM - 02:00 AM	46.0	45.3	0.7	7.0	-	42.0	40.4	1.6
02:00 AM - 02:05 AM	43.6	42.6	1.0	7.0	-	39.6	40.1	-0.5
02:05 AM - 02:10 AM	47.3	46.3	1.0	7.0	-	43.3	40.5	2.8
02:10 AM - 02:15 AM	44.0	43.0	1.0	7.0	-	40.0	41.5	-1.5
02:15 AM - 02:20 AM	43.6	42.6	1.0	7.0	-	39.6	41.7	-2.1
02:20 AM - 02:25 AM	44.9	43.9	1.0	7.0	-	40.9	42.0	-1.1
02:25 AM - 02:30 AM	45.9	44.9	1.0	7.0	-	41.9	42.3	-0.4
02:30 AM - 02:35 AM	46.3	45.3	1.0	7.0	-	42.3	41.2	1.1
02:35 AM - 02:40 AM	49.1	48.1	1.0	7.0	-	45.1	39.9	5.2
02:40 AM - 02:45 AM	45.0	44.0	1.0	7.0	-	41.0	40.5	0.5
02:45 AM - 02:50 AM	43.2	42.2	1.0	7.0	-	39.2	39.8	-0.6
02:50 AM - 02:55 AM	42.0	41.0	1.0	7.0	-	38.0	39.5	-1.5
02:55 AM - 03:00 AM	44.4	43.4	1.0	7.0	-	40.4	41.1	-0.7
03:00 AM - 03:05 AM	44.7	43.7	1.0	7.0	-	40.7	41.8	-1.1
03:05 AM - 03:10 AM	46.3	45.8	0.5	7.0	-	42.3	42.9	-0.6
03:10 AM - 03:15 AM	46.8	46.3	0.5	7.0	-	42.8	43.2	-0.4
03:15 AM - 03:20 AM	45.1	44.6	0.5	7.0	-	41.1	43.2	-2.1
03:20 AM - 03:25 AM	46.9	46.4	0.5	7.0	-	42.9	43.0	-0.1
03:25 AM - 03:30 AM	60.1	59.6	0.5	7.0	-	56.1	43.3	12.8
03:30 AM - 03:35 AM	47.7	47.2	0.5	7.0	-	43.7	43.3	0.4
03:35 AM - 03:40 AM	48.1	47.6	0.5	7.0	-	44.1	43.1	1.0
03:40 AM - 03:45 AM	45.7	45.2	0.5	7.0	-	41.7	43.5	-1.8
03:45 AM - 03:50 AM	47.8	47.3	0.5	7.0	-	43.8	43.9	-0.1

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Approved by

*Wilawan Borirak*

Wilawan Borirak  
Assistant Manager





## Analysis / Test Report

TESTING  
No.0042

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

Lot ID: 22144026  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report Number : 2535158-1

P/O : RJN-BW-012/65

Project Name : Chonburi Bowin

Project Location :

Page 3 of 3

Sample No. 22144026-11  
Parameter เสียงรบกวน  
Location N2 : มัสยิดบุรุษอิสลาม  
Measurement Date Dec 22 - 23, 2022  
Measurement by Jaradrawee Sriruksa  
Sound Level Meter 00709746

### ระดับเสียง (dB(A))

เวลา	(A)	(B)	(A-B)	(C)	(D)		(E)	(D-E)
	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	ผลต่างระดับเสียง	ตัวปรับค่า	ปรับค่าเสียงจากแหล่งกำเนิด		เสียงพื้นฐาน	ค่าระดับการรบกวน
					(A-C)กลางวัน	(A-C)+3กลางคืน		
03:50 AM - 03:55 AM	53.3	52.8	0.5	7.0	-	49.3	42.3	7.0
03:55 AM - 04:00 AM	46.5	46.0	0.5	7.0	-	42.5	42.2	0.3
04:00 AM - 04:05 AM	46.7	46.0	0.7	7.0	-	42.7	43.0	-0.3
04:05 AM - 04:10 AM	47.3	46.6	0.7	7.0	-	43.3	43.5	-0.2
04:10 AM - 04:15 AM	47.1	46.4	0.7	7.0	-	43.1	44.0	-0.9
04:15 AM - 04:20 AM	46.6	45.9	0.7	7.0	-	42.6	43.2	-0.6
04:20 AM - 04:25 AM	53.7	53.0	0.7	7.0	-	49.7	43.7	6.0
04:25 AM - 04:30 AM	50.6	49.9	0.7	7.0	-	46.6	44.1	2.5
04:30 AM - 04:35 AM	46.2	45.5	0.7	7.0	-	42.2	42.8	-0.6
04:35 AM - 04:40 AM	46.1	45.4	0.7	7.0	-	42.1	42.3	-0.2
04:40 AM - 04:45 AM	49.5	48.8	0.7	7.0	-	45.5	42.3	3.2
04:45 AM - 04:50 AM	49.2	48.5	0.7	7.0	-	45.2	43.1	2.1
04:50 AM - 04:55 AM	48.6	47.9	0.7	7.0	-	44.6	43.4	1.2
04:55 AM - 05:00 AM	49.4	48.7	0.7	7.0	-	45.4	44.4	1.0
05:00 AM - 05:05 AM	59.3	58.6	0.7	7.0	-	55.3	44.6	10.7
05:05 AM - 05:10 AM	65.4	64.7	0.7	7.0	-	61.4	45.7	15.7
05:10 AM - 05:15 AM	50.3	49.6	0.7	7.0	-	46.3	45.2	1.1
05:15 AM - 05:20 AM	51.8	51.1	0.7	7.0	-	47.8	46.0	1.8
05:20 AM - 05:25 AM	50.5	50.2	0.3	7.0	-	46.5	44.8	1.7
05:25 AM - 05:30 AM	60.4	60.1	0.3	7.0	-	56.4	45.2	11.2
05:30 AM - 05:35 AM	50.4	50.1	0.3	7.0	-	46.4	45.0	1.4
05:35 AM - 05:40 AM	50.6	50.3	0.3	7.0	-	46.6	43.9	2.7
05:40 AM - 05:45 AM	52.1	51.8	0.3	7.0	-	48.1	44.1	4.0
05:45 AM - 05:50 AM	56.5	56.2	0.3	7.0	-	52.5	45.6	6.9
05:50 AM - 05:55 AM	49.0	48.7	0.3	7.0	-	45.0	44.8	0.2
05:55 AM - 06:00 AM	50.5	50.2	0.3	7.0	-	46.5	45.2	1.3
06:00 AM - 07:00 AM	55.9	55.5	0.4	7.0	48.9	-	47.8	1.1
07:00 AM - 08:00 AM	58.9	58.3	0.6	7.0	51.9	-	49.2	2.7
08:00 AM - 09:00 AM	57.9	57.4	0.5	7.0	50.9	-	45.3	5.6
09:00 AM - 10:00 AM	58.0	57.1	0.9	7.0	51.0	-	44.4	6.6
10:00 AM - 11:00 AM	57.5	56.5	1.0	7.0	50.5	-	47.3	3.2
11:00 AM - 12:00 PM	59.8	59.1	0.7	7.0	52.8	-	46.9	5.9
ค่ามาตรฐาน								≤ 10

Reference Method : ISO 1996-1

#### มาตรฐาน

- ประกาศกระทรวงอุตสาหกรรม เรื่อง กำหนดค่าระดับเสียงการรบกวนและระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548
  - ประกาศกรมโรงงานอุตสาหกรรม เรื่อง วิธีการตรวจวัดระดับเสียงรบกวน ระดับเสียงเฉลี่ย 24 ชั่วโมง และระดับเสียงสูงสุดที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2553
  - ประกาศกระทรวงสาธารณสุข เรื่อง กำหนดค่ามาตรฐานมลพิษทางเสียงอันเกิดจากการประกอบกิจการที่เป็นอันตรายต่อสุขภาพ พ.ศ. 2561
- ระดับเสียงจากแหล่งกำเนิด ทำการตรวจวัด วันที่ 22-23 ธันวาคม 2565  
ระดับเสียงพื้นฐานและระดับเสียงขณะไม่มีการรบกวน (Sample No.22144028-11 วันที่ตรวจวัด 22-23 ธันวาคม 2565)

The above results are valid only for the analyzed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

Approved by

Wilawan Borirak  
Assistant Manager





## Analysis / Test Report

TESTING  
No.0042

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

Lot ID: 22144026  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report Number : 2535159-1

P/O : RJN-BW-012/65

Project Name : Chonburi Bowin

Project Location :

Page 1 of 3

Sample No. 22144026-12  
Parameter เสียงรบกวน  
Location N2 : บัสยิดบุรุษอิสลาม  
Measurement Date Dec 23 - 24, 2022  
Measurement by Jaradrawee Sriruksa  
Sound Level Meter 00709746

### ระดับเสียง (dB(A))

เวลา	เสียงจาก แหล่งกำเนิด (A)	เสียงขณะ ไม่มีการรบกวน (B)	ผลต่าง ระดับเสียง (A-B)	ตัวปรับค่า (C)	ปรับค่าเสียงจากแหล่งกำเนิด (B)		เสียงพื้นฐาน (E)	ค่าระดับ การรบกวน (D-E)
					กลางวัน (A-C)	กลางคืน (A-C)+3		
12:00 PM - 01:00 PM	58.9	57.8	1.1	7.0	51.9	-	48.4	3.5
01:00 PM - 02:00 PM	55.9	55.3	0.6	7.0	48.9	-	45.2	3.7
02:00 PM - 03:00 PM	60.6	59.5	1.1	7.0	53.6	-	45.6	8.0
03:00 PM - 04:00 PM	56.4	55.2	1.2	7.0	49.4	-	43.0	6.4
04:00 PM - 05:00 PM	57.4	56.6	0.8	7.0	50.4	-	44.4	6.0
05:00 PM - 06:00 PM	61.2	60.9	0.3	7.0	54.2	-	48.1	6.1
06:00 PM - 07:00 PM	59.1	57.6	1.5	4.5	54.6	-	48.4	6.2
07:00 PM - 08:00 PM	55.0	56.0	-1.0	7.0	48.0	-	45.9	2.1
08:00 PM - 09:00 PM	56.4	56.0	0.4	7.0	49.4	-	45.4	4.0
09:00 PM - 10:00 PM	50.3	50.8	-0.5	7.0	43.3	-	43.2	0.1
10:00 PM - 10:05 PM	49.0	46.8	2.2	4.5	-	47.5	41.3	6.2
10:05 PM - 10:10 PM	45.8	49.5	-3.7	7.0	-	41.8	42.6	-0.8
10:10 PM - 10:15 PM	47.9	44.6	3.3	3.0	-	47.9	41.3	6.6
10:15 PM - 10:20 PM	42.9	47.7	-4.8	7.0	-	38.9	40.8	-1.9
10:20 PM - 10:25 PM	45.6	45.3	0.3	7.0	-	41.6	40.7	0.9
10:25 PM - 10:30 PM	49.0	45.4	3.6	2.0	-	50.0	40.3	9.7
10:30 PM - 10:35 PM	48.7	48.6	0.1	7.0	-	44.7	41.9	2.8
10:35 PM - 10:40 PM	43.7	48.9	-5.2	7.0	-	39.7	41.6	-1.9
10:40 PM - 10:45 PM	47.7	43.5	4.2	2.0	-	48.7	41.6	7.1
10:45 PM - 10:50 PM	44.8	47.1	-2.3	7.0	-	40.8	42.0	-1.2
10:50 PM - 10:55 PM	47.5	44.7	2.8	3.0	-	47.5	41.7	5.8
10:55 PM - 11:00 PM	45.4	46.9	-1.5	7.0	-	41.4	42.0	-0.6
11:00 PM - 11:05 PM	48.1	48.8	-0.7	7.0	-	44.1	41.4	2.7
11:05 PM - 11:10 PM	44.7	44.4	0.3	7.0	-	40.7	41.9	-1.2
11:10 PM - 11:15 PM	50.1	44.9	5.2	1.5	-	51.6	42.8	8.8
11:15 PM - 11:20 PM	44.8	51.1	-6.3	7.0	-	40.8	42.6	-1.8
11:20 PM - 11:25 PM	47.0	46.8	0.2	7.0	-	43.0	42.5	0.5
11:25 PM - 11:30 PM	45.9	45.7	0.2	7.0	-	41.9	43.1	-1.2
11:30 PM - 11:35 PM	45.5	44.6	0.9	7.0	-	41.5	43.1	-1.6
11:35 PM - 11:40 PM	48.2	44.6	3.6	2.0	-	49.2	43.1	6.1
11:40 PM - 11:45 PM	44.2	47.6	-3.4	7.0	-	40.2	42.0	-1.8
11:45 PM - 11:50 PM	51.2	43.4	7.8	0.5	-	53.7	42.5	11.2
11:50 PM - 11:55 PM	49.3	51.1	-1.8	7.0	-	45.3	43.0	2.3
11:55 PM - 12:00 AM	46.8	49.1	-2.3	7.0	-	42.8	43.6	-0.8
12:00 AM - 12:05 AM	44.7	45.1	-0.4	7.0	-	40.7	42.3	-1.6
12:05 AM - 12:10 AM	45.0	44.0	1.0	7.0	-	41.0	41.9	-0.9
12:10 AM - 12:15 AM	49.5	49.9	-0.4	7.0	-	45.5	41.4	4.1
12:15 AM - 12:20 AM	44.1	43.8	0.3	7.0	-	40.1	41.3	-1.2
12:20 AM - 12:25 AM	44.8	42.6	2.2	4.5	-	43.3	40.7	2.6
12:25 AM - 12:30 AM	44.1	43.8	0.3	7.0	-	40.1	40.6	-0.5

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Approved by

*Wilawan Borirak*

Wilawan Borirak  
Assistant Manager



## Analysis / Test Report

TESTING  
No.0042

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

Lot ID: 22144026  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report Number : 2535159-1

P/O : RJN-BW-012/65

Project Name : Chonburi Bowin

Project Location :

Sample No. 22144026-12  
Parameter เสียงรบกวน  
Location N2 : มัสยิดบุรุษอิสลาม  
Measurement Date Dec 23 - 24, 2022  
Measurement by Jaradrawee Sriruksa  
Sound Level Meter 00709746

### ระดับเสียง (dB(A))

เวลา	(A) เสียงจากแหล่งกำเนิด	(B) เสียงขณะไม่มีการรบกวน	(A-B) ผลต่างระดับเสียง	(C) ตัวปรับค่า	(D) ปรับค่าเสียงจากแหล่งกำเนิด		(E) เสียงพื้นฐาน	(D-E) ค่าระดับการรบกวน
					(A-C) กลางวัน	(A-C)+3 กลางคืน		
12:30 AM - 12:35 AM	52.1	43.4	8.7	0.5	-	54.6	41.7	12.9
12:35 AM - 12:40 AM	47.9	52.6	-4.7	7.0	-	43.9	41.6	2.3
12:40 AM - 12:45 AM	45.0	45.9	-0.9	7.0	-	41.0	41.2	-0.2
12:45 AM - 12:50 AM	43.8	43.2	0.6	7.0	-	39.8	40.8	-1.0
12:50 AM - 12:55 AM	48.8	42.2	6.6	1.0	-	50.8	40.8	10.0
12:55 AM - 01:00 AM	45.8	49.1	-3.3	7.0	-	41.8	40.8	1.0
01:00 AM - 01:05 AM	44.5	44.5	0.0	7.0	-	40.5	40.7	-0.2
01:05 AM - 01:10 AM	43.7	43.2	0.5	7.0	-	39.7	40.4	-0.7
01:10 AM - 01:15 AM	44.4	41.5	2.9	3.0	-	44.4	40.2	4.2
01:15 AM - 01:20 AM	47.9	44.6	3.3	3.0	-	47.9	40.0	7.9
01:20 AM - 01:25 AM	46.3	47.7	-1.4	7.0	-	42.3	40.6	1.7
01:25 AM - 01:30 AM	43.2	45.2	-2.0	7.0	-	39.2	41.3	-2.1
01:30 AM - 01:35 AM	42.6	41.8	0.8	7.0	-	38.6	40.6	-2.0
01:35 AM - 01:40 AM	42.3	41.8	0.5	7.0	-	38.3	40.8	-2.5
01:40 AM - 01:45 AM	43.5	41.3	2.2	4.5	-	42.0	40.5	1.5
01:45 AM - 01:50 AM	42.7	42.5	0.2	7.0	-	38.7	40.9	-2.2
01:50 AM - 01:55 AM	44.0	42.1	1.9	4.5	-	42.5	40.8	1.7
01:55 AM - 02:00 AM	45.3	45.3	0.0	7.0	-	41.3	40.6	0.7
02:00 AM - 02:05 AM	43.5	43.1	0.4	7.0	-	39.5	40.4	-0.9
02:05 AM - 02:10 AM	42.3	42.3	0.0	7.0	-	38.3	41.1	-2.8
02:10 AM - 02:15 AM	45.4	44.3	1.1	7.0	-	41.4	40.4	1.0
02:15 AM - 02:20 AM	46.1	41.9	4.2	2.0	-	47.1	39.8	7.3
02:20 AM - 02:25 AM	65.2	61.7	3.5	2.0	-	66.2	40.4	25.8
02:25 AM - 02:30 AM	42.0	61.6	-19.6	7.0	-	38.0	39.6	-1.6
02:30 AM - 02:35 AM	41.9	41.1	0.8	7.0	-	37.9	39.4	-1.5
02:35 AM - 02:40 AM	42.1	41.0	1.1	7.0	-	38.1	39.4	-1.3
02:40 AM - 02:45 AM	42.4	41.7	0.7	7.0	-	38.4	39.8	-1.4
02:45 AM - 02:50 AM	45.8	41.3	4.5	1.5	-	47.3	39.6	7.7
02:50 AM - 02:55 AM	47.4	46.6	0.8	7.0	-	43.4	39.9	3.5
02:55 AM - 03:00 AM	41.8	47.1	-5.3	7.0	-	37.8	39.6	-1.8
03:00 AM - 03:05 AM	54.9	41.0	13.9	0.0	-	57.9	40.1	17.8
03:05 AM - 03:10 AM	43.0	54.9	-11.9	7.0	-	39.0	40.4	-1.4
03:10 AM - 03:15 AM	42.3	42.0	0.3	7.0	-	38.3	40.6	-2.3
03:15 AM - 03:20 AM	49.9	43.3	6.6	1.0	-	51.9	40.8	11.1
03:20 AM - 03:25 AM	46.2	49.5	-3.3	7.0	-	42.2	41.7	0.5
03:25 AM - 03:30 AM	48.5	42.5	6.0	1.5	-	50.0	41.5	8.5
03:30 AM - 03:35 AM	44.2	46.6	-2.4	7.0	-	40.2	41.7	-1.5
03:35 AM - 03:40 AM	44.2	44.1	0.1	7.0	-	40.2	42.0	-1.8
03:40 AM - 03:45 AM	43.3	43.8	-0.5	7.0	-	39.3	41.4	-2.1
03:45 AM - 03:50 AM	44.6	43.5	1.1	7.0	-	40.6	42.0	-1.4

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Approved by

Wilawan Borirak  
Assistant Manager



## Analysis / Test Report

TESTING  
No.0042

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

Lot ID: 22144026  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report Number : 2535159-1

P/O : RJN-BW-012/65

Project Name : Chonburi Bowin

Project Location :

Page 3 of 3

Sample No. 22144026-12  
Parameter เสียงรบกวน  
Location N2 : มัสยิดนูรุลอิสลาม  
Measurement Date Dec 23 - 24, 2022  
Measurement by Jaradrawee Sriruksa  
Sound Level Meter 00709746

### ระดับเสียง (dB(A))

เวลา	(A)	(B)	(A-B)	(C)	(D)		(E)	(D-E)
	เสียงจาก แหล่งกำเนิด	เสียงขณะ ไม่มีการรบกวน	ผลต่าง ระดับเสียง	ตัวปรับค่า	ปรับค่าเสียงจากแหล่งกำเนิด		เสียงพื้นฐาน	ค่าระดับ การรบกวน
					(A-C) กลางวัน	(A-C)+3 กลางคืน		
03:50 AM - 03:55 AM	47.7	44.3	3.4	3.0	-	47.7	42.0	5.7
03:55 AM - 04:00 AM	44.2	47.9	-3.7	7.0	-	40.2	42.2	-2.0
04:00 AM - 04:05 AM	45.3	44.3	1.0	7.0	-	41.3	41.4	-0.1
04:05 AM - 04:10 AM	46.7	46.2	0.5	7.0	-	42.7	42.0	0.7
04:10 AM - 04:15 AM	53.3	43.7	9.6	0.5	-	55.8	41.1	14.7
04:15 AM - 04:20 AM	44.5	53.8	-9.3	7.0	-	40.5	41.4	-0.9
04:20 AM - 04:25 AM	50.4	45.6	4.8	1.5	-	51.9	41.5	10.4
04:25 AM - 04:30 AM	42.2	48.0	-5.8	7.0	-	38.2	41.3	-3.1
04:30 AM - 04:35 AM	44.2	43.3	0.9	7.0	-	40.2	40.8	-0.6
04:35 AM - 04:40 AM	46.0	44.8	1.2	7.0	-	42.0	40.5	1.5
04:40 AM - 04:45 AM	43.4	44.0	-0.6	7.0	-	39.4	41.7	-2.3
04:45 AM - 04:50 AM	46.7	44.6	2.1	4.5	-	45.2	41.4	3.8
04:50 AM - 04:55 AM	48.7	45.6	3.1	3.0	-	48.7	41.5	7.2
04:55 AM - 05:00 AM	51.9	48.7	3.2	3.0	-	51.9	41.9	10.0
05:00 AM - 05:05 AM	64.1	60.2	3.9	2.0	-	65.1	43.2	21.9
05:05 AM - 05:10 AM	51.5	63.1	-11.6	7.0	-	47.5	42.7	4.8
05:10 AM - 05:15 AM	45.8	51.8	-6.0	7.0	-	41.8	43.1	-1.3
05:15 AM - 05:20 AM	47.0	44.6	2.4	4.5	-	45.5	42.3	3.2
05:20 AM - 05:25 AM	46.6	46.6	0.0	7.0	-	42.6	42.6	0.0
05:25 AM - 05:30 AM	45.5	46.1	-0.6	7.0	-	41.5	42.6	-1.1
05:30 AM - 05:35 AM	49.1	46.0	3.1	3.0	-	49.1	42.8	6.3
05:35 AM - 05:40 AM	59.4	48.3	11.1	0.5	-	61.9	42.8	19.1
05:40 AM - 05:45 AM	46.8	59.9	-13.1	7.0	-	42.8	42.4	0.4
05:45 AM - 05:50 AM	56.9	54.3	2.6	3.0	-	56.9	41.5	15.4
05:50 AM - 05:55 AM	52.7	52.9	-0.2	7.0	-	48.7	43.0	5.7
05:55 AM - 06:00 AM	51.3	52.3	-1.0	7.0	-	47.3	44.0	3.3
06:00 AM - 07:00 AM	56.4	56.1	0.3	7.0	49.4	-	47.1	2.3
07:00 AM - 08:00 AM	58.5	56.4	2.1	4.5	54.0	-	49.0	5.0
08:00 AM - 09:00 AM	56.5	57.0	-0.5	7.0	49.5	-	46.4	3.1
09:00 AM - 10:00 AM	59.1	58.7	0.4	7.0	52.1	-	46.2	5.9
10:00 AM - 11:00 AM	56.8	55.7	1.1	7.0	49.8	-	45.1	4.7
11:00 AM - 12:00 PM	56.9	56.0	0.9	7.0	49.9	-	45.8	4.1
ค่ามาตรฐาน								≤ 10

Reference Method : ISO 1996-1

### มาตรฐาน

- ประกาศกระทรวงอุตสาหกรรม เรื่อง กำหนดค่าระดับเสียงการรบกวนและระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548
  - ประกาศกรมโรงงานอุตสาหกรรม เรื่อง วิธีการตรวจวัดระดับเสียงรบกวน ระดับเสียงเฉลี่ย 24 ชั่วโมง และระดับเสียงสูงสุดที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2553
  - ประกาศกระทรวงสาธารณสุข เรื่อง กำหนดค่ามาตรฐานมลพิษทางเสียงอันเกิดจากการประกอบกิจการที่เป็นอันตรายต่อสุขภาพ พ.ศ. 2561
- ระดับเสียงจากแหล่งกำเนิด ทำการตรวจวัด วันที่ 23-24 ธันวาคม 2565  
ระดับเสียงพื้นฐานและระดับเสียงขณะไม่มีการรบกวน (Sample No.22144028-12 วันที่ตรวจวัด 23-24 ธันวาคม 2565)

The above results are valid only for the analyzed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

Approved by

Wilawan Borirak  
Assistant Manager



## Analysis / Test Report

TESTING  
No.0042

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

Lot ID: 22144026  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report Number : 2535160-1

P/O : RJN-BW-012/65  
Project Name : Chonburi Bowin  
Project Location :

Page 1 of 3

Sample No. 22144026-13  
Parameter เสียงรบกวน  
Location N2 : มัสยิดบุรุษอิสลาม  
Measurement Date Dec 24 - 25, 2022  
Measurement by Jaradrawee Sriuksa  
Sound Level Meter 00709746

### ระดับเสียง (dB(A))

เวลา	เสียงจาก แหล่งกำเนิด (A)	เสียงขณะ ไม่มีกิจกรรม (B)	ผลต่าง ระดับเสียง (A-B)	ตัวปรับค่า (C)	ปรับค่าเสียงจากแหล่งกำเนิด (D)		เสียงพื้นฐาน (E)	ค่าระดับ การรบกวน (D-E)
					กลางวัน (A-C)	กลางคืน (A-C)+3		
12:00 PM - 01:00 PM	57.3	57.1	0.2	7.0	50.3	-	44.7	5.6
01:00 PM - 02:00 PM	54.7	54.0	0.7	7.0	47.7	-	42.1	5.6
02:00 PM - 03:00 PM	54.5	54.2	0.3	7.0	47.5	-	43.4	4.1
03:00 PM - 04:00 PM	55.4	55.6	-0.2	7.0	48.4	-	43.4	5.0
04:00 PM - 05:00 PM	55.5	54.0	1.5	4.5	51.0	-	43.1	7.9
05:00 PM - 06:00 PM	59.1	56.9	2.2	4.5	54.6	-	45.3	9.3
06:00 PM - 07:00 PM	54.5	57.1	-2.6	7.0	47.5	-	46.0	1.5
07:00 PM - 08:00 PM	56.9	56.7	0.2	7.0	49.9	-	45.7	4.2
08:00 PM - 09:00 PM	59.7	55.2	4.5	1.5	58.2	-	47.2	11.0
09:00 PM - 10:00 PM	51.8	58.4	-6.6	7.0	44.8	-	47.2	-2.4
10:00 PM - 10:05 PM	53.2	49.0	4.2	2.0	-	54.2	41.6	12.6
10:05 PM - 10:10 PM	57.8	45.1	12.7	0.0	-	60.8	40.8	20.0
10:10 PM - 10:15 PM	50.5	50.8	-0.3	7.0	-	46.5	42.7	3.8
10:15 PM - 10:20 PM	51.6	51.7	-0.1	7.0	-	47.6	41.6	6.0
10:20 PM - 10:25 PM	51.7	53.1	-1.4	7.0	-	47.7	43.6	4.1
10:25 PM - 10:30 PM	52.2	52.5	-0.3	7.0	-	48.2	43.1	5.1
10:30 PM - 10:35 PM	52.6	52.1	0.5	7.0	-	48.6	43.1	5.5
10:35 PM - 10:40 PM	54.2	50.7	3.5	2.0	-	55.2	43.1	12.1
10:40 PM - 10:45 PM	49.8	51.8	-2.0	7.0	-	45.8	42.9	2.9
10:45 PM - 10:50 PM	48.1	58.5	-10.4	7.0	-	44.1	42.8	1.3
10:50 PM - 10:55 PM	51.4	51.1	0.3	7.0	-	47.4	43.1	4.3
10:55 PM - 11:00 PM	43.9	51.0	-7.1	7.0	-	39.9	42.8	-2.9
11:00 PM - 11:05 PM	46.9	50.0	-3.1	7.0	-	42.9	42.5	0.4
11:05 PM - 11:10 PM	47.6	52.6	-5.0	7.0	-	43.6	43.6	0.0
11:10 PM - 11:15 PM	46.9	49.9	-3.0	7.0	-	42.9	43.4	-0.5
11:15 PM - 11:20 PM	44.5	54.8	-10.3	7.0	-	40.5	44.8	-4.3
11:20 PM - 11:25 PM	44.8	50.4	-5.6	7.0	-	40.8	44.1	-3.3
11:25 PM - 11:30 PM	48.7	49.3	-0.6	7.0	-	44.7	43.7	1.0
11:30 PM - 11:35 PM	47.2	51.3	-4.1	7.0	-	43.2	43.2	0.0
11:35 PM - 11:40 PM	44.3	47.9	-3.6	7.0	-	40.3	40.8	-0.5
11:40 PM - 11:45 PM	46.7	45.3	1.4	7.0	-	42.7	40.0	2.7
11:45 PM - 11:50 PM	45.4	47.3	-1.9	7.0	-	41.4	41.4	0.0
11:50 PM - 11:55 PM	44.4	47.7	-3.3	7.0	-	40.4	42.2	-1.8
11:55 PM - 12:00 AM	51.3	42.9	8.4	0.5	-	53.8	41.2	12.6
12:00 AM - 12:05 AM	49.6	43.7	5.9	1.5	-	51.1	41.0	10.1
12:05 AM - 12:10 AM	46.7	48.0	-1.3	7.0	-	42.7	42.0	0.7
12:10 AM - 12:15 AM	46.8	47.5	-0.7	7.0	-	42.8	42.6	0.2
12:15 AM - 12:20 AM	52.9	44.1	8.8	0.5	-	55.4	42.1	13.3
12:20 AM - 12:25 AM	47.8	46.6	1.2	7.0	-	43.8	41.4	2.4
12:25 AM - 12:30 AM	47.2	45.8	1.4	7.0	-	43.2	41.5	1.7

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Approved by

*Wilawan Borirak*

Wilawan Borirak  
Assistant Manager



## Analysis / Test Report

TESTING  
No.0042

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

Lot ID: 22144026  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report Number : 2535160-1

P/O : RJN-BW-012/65

Project Name : Chonburi Bowin

Project Location :

Sample No. 22144026-13  
Parameter เสียงรบกวน  
Location N2 : มัสยิดบุรุษอิสลาม  
Measurement Date Dec 24 - 25, 2022  
Measurement by Jaradrawee Sriruksa  
Sound Level Meter 00709746

### ระดับเสียง (dB(A))

เวลา	(A) เสียงจากแหล่งกำเนิด	(B) เสียงขณะไม่มีการรบกวน	(A-B) ผลต่างระดับเสียง	(C) ตัวปรับค่า	(D) ปรับค่าเสียงจากแหล่งกำเนิด		(E) เสียงพื้นฐาน	(D-E) ค่าระดับการรบกวน
					(A-C) กลางวัน	(A-C)+3 กลางคืน		
12:30 AM - 12:35 AM	44.4	44.9	-0.5	7.0	-	40.4	42.4	-2.0
12:35 AM - 12:40 AM	45.4	46.3	-0.9	7.0	-	41.4	42.7	-1.3
12:40 AM - 12:45 AM	46.0	50.6	-4.6	7.0	-	42.0	41.8	0.2
12:45 AM - 12:50 AM	45.8	50.0	-4.2	7.0	-	41.8	42.6	-0.8
12:50 AM - 12:55 AM	43.9	46.7	-2.8	7.0	-	39.9	43.6	-3.7
12:55 AM - 01:00 AM	45.9	53.2	-7.3	7.0	-	41.9	42.9	-1.0
01:00 AM - 01:05 AM	45.1	45.0	0.1	7.0	-	41.1	42.7	-1.6
01:05 AM - 01:10 AM	43.3	48.4	-5.1	7.0	-	39.3	41.9	-2.6
01:10 AM - 01:15 AM	43.2	45.9	-2.7	7.0	-	39.2	41.9	-2.7
01:15 AM - 01:20 AM	43.1	44.6	-1.5	7.0	-	39.1	41.4	-2.3
01:20 AM - 01:25 AM	43.9	43.5	0.4	7.0	-	39.9	41.5	-1.6
01:25 AM - 01:30 AM	42.7	46.8	-4.1	7.0	-	38.7	42.0	-3.3
01:30 AM - 01:35 AM	42.8	43.4	-0.6	7.0	-	38.8	42.1	-3.3
01:35 AM - 01:40 AM	43.3	45.2	-1.9	7.0	-	39.3	41.5	-2.2
01:40 AM - 01:45 AM	43.8	44.1	-0.3	7.0	-	39.8	41.2	-1.4
01:45 AM - 01:50 AM	42.8	43.7	-0.9	7.0	-	38.8	41.5	-2.7
01:50 AM - 01:55 AM	43.4	42.4	1.0	7.0	-	39.4	41.6	-2.2
01:55 AM - 02:00 AM	54.6	42.4	12.2	0.5	-	57.1	41.1	16.0
02:00 AM - 02:05 AM	45.0	42.1	2.9	3.0	-	45.0	40.8	4.2
02:05 AM - 02:10 AM	42.9	43.0	-0.1	7.0	-	38.9	41.0	-2.1
02:10 AM - 02:15 AM	42.4	41.6	0.8	7.0	-	38.4	40.6	-2.2
02:15 AM - 02:20 AM	41.7	42.7	-1.0	7.0	-	37.7	41.2	-3.5
02:20 AM - 02:25 AM	42.3	43.2	-0.9	7.0	-	38.3	41.4	-3.1
02:25 AM - 02:30 AM	44.2	43.2	1.0	7.0	-	40.2	41.3	-1.1
02:30 AM - 02:35 AM	47.6	42.9	4.7	1.5	-	49.1	41.0	8.1
02:35 AM - 02:40 AM	42.7	45.5	-2.8	7.0	-	38.7	40.7	-2.0
02:40 AM - 02:45 AM	53.6	55.4	-1.8	7.0	-	49.6	40.2	9.4
02:45 AM - 02:50 AM	45.4	44.1	1.3	7.0	-	41.4	40.2	1.2
02:50 AM - 02:55 AM	43.3	42.7	0.6	7.0	-	39.3	40.6	-1.3
02:55 AM - 03:00 AM	42.8	41.4	1.4	7.0	-	38.8	40.3	-1.5
03:00 AM - 03:05 AM	41.9	42.0	-0.1	7.0	-	37.9	40.5	-2.6
03:05 AM - 03:10 AM	44.5	43.2	1.3	7.0	-	40.5	40.2	0.3
03:10 AM - 03:15 AM	44.6	48.6	-4.0	7.0	-	40.6	40.1	0.5
03:15 AM - 03:20 AM	45.7	41.6	4.1	2.0	-	46.7	39.8	6.9
03:20 AM - 03:25 AM	44.1	52.9	-8.8	7.0	-	40.1	41.6	-1.5
03:25 AM - 03:30 AM	62.4	48.2	14.2	0.0	-	65.4	40.5	24.9
03:30 AM - 03:35 AM	45.2	42.9	2.3	4.5	-	43.7	40.4	3.3
03:35 AM - 03:40 AM	41.9	42.2	-0.3	7.0	-	37.9	39.7	-1.8
03:40 AM - 03:45 AM	47.9	42.1	5.8	1.5	-	49.4	40.1	9.3
03:45 AM - 03:50 AM	43.9	43.1	0.8	7.0	-	39.9	39.3	0.6

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Approved by

*Wilawan Borirak*

Wilawan Borirak  
Assistant Manager



## Analysis / Test Report

TESTING  
No.0042

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

Lot ID: 22144026  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report Number : 2535160-1

P/O : RJN-BW-012/65

Project Name : Chonburi Bowin

Project Location :

Page 3 of 3

Sample No. 22144026-13  
Parameter เสียงรบกวน  
Location N2 : มัสยิดบุรุษอิสลาม  
Measurement Date Dec 24 - 25, 2022  
Measurement by Jaradrawee Sriruksa  
Sound Level Meter 00709746

### ระดับเสียง (dB(A))

เวลา	(A)	(B)	(A-B)	(C)	(D)		(E)	(D-E)
	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	ผลต่างระดับเสียง	ตัวปรับค่า	ปรับค่าเสียงจากแหล่งกำเนิด กลางวัน (A-C)	กลางคืน (A-C)+3	เสียงพื้นฐาน	ค่าระดับการรบกวน
03:50 AM - 03:55 AM	42.6	43.1	-0.5	7.0	-	38.6	39.5	-0.9
03:55 AM - 04:00 AM	42.6	44.6	-2.0	7.0	-	38.6	40.1	-1.5
04:00 AM - 04:05 AM	47.3	43.4	3.9	2.0	-	48.3	40.7	7.6
04:05 AM - 04:10 AM	43.7	57.3	-13.6	7.0	-	39.7	42.1	-2.4
04:10 AM - 04:15 AM	47.3	42.1	5.2	1.5	-	48.8	40.7	8.1
04:15 AM - 04:20 AM	56.5	44.9	11.6	0.5	-	59.0	40.0	19.0
04:20 AM - 04:25 AM	51.5	47.7	3.8	2.0	-	52.5	40.8	11.7
04:25 AM - 04:30 AM	51.0	44.4	6.6	1.0	-	53.0	41.0	12.0
04:30 AM - 04:35 AM	49.0	42.1	6.9	1.0	-	51.0	40.1	10.9
04:35 AM - 04:40 AM	48.8	41.7	7.1	1.0	-	50.8	39.9	10.9
04:40 AM - 04:45 AM	47.7	44.9	2.8	3.0	-	47.7	40.1	7.6
04:45 AM - 04:50 AM	51.1	46.1	5.0	1.5	-	52.6	40.9	11.7
04:50 AM - 04:55 AM	51.2	45.7	5.5	1.5	-	52.7	40.9	11.8
04:55 AM - 05:00 AM	51.2	57.6	-6.4	7.0	-	47.2	42.0	5.2
05:00 AM - 05:05 AM	61.1	52.1	9.0	0.5	-	63.6	42.8	20.8
05:05 AM - 05:10 AM	62.9	49.2	13.7	0.0	-	65.9	43.6	22.3
05:10 AM - 05:15 AM	50.8	49.2	1.6	4.5	-	49.3	42.6	6.7
05:15 AM - 05:20 AM	51.6	47.6	4.0	2.0	-	52.6	42.2	10.4
05:20 AM - 05:25 AM	48.2	47.0	1.2	7.0	-	44.2	41.5	2.7
05:25 AM - 05:30 AM	51.9	49.4	2.5	3.0	-	51.9	43.4	8.5
05:30 AM - 05:35 AM	49.1	50.7	-1.6	7.0	-	45.1	43.8	1.3
05:35 AM - 05:40 AM	45.6	49.0	-3.4	7.0	-	41.6	43.4	-1.8
05:40 AM - 05:45 AM	48.3	49.4	-1.1	7.0	-	44.3	43.0	1.3
05:45 AM - 05:50 AM	48.1	63.9	-15.8	7.0	-	44.1	43.5	0.6
05:50 AM - 05:55 AM	54.5	49.5	5.0	1.5	-	56.0	42.5	13.5
05:55 AM - 06:00 AM	52.7	50.8	1.9	4.5	-	51.2	42.6	8.6
06:00 AM - 07:00 AM	57.4	50.6	6.8	1.0	56.4	-	42.4	14.0
07:00 AM - 08:00 AM	57.5	57.8	-0.3	7.0	50.5	-	48.9	1.6
08:00 AM - 09:00 AM	56.6	57.3	-0.7	7.0	49.6	-	47.6	2.0
09:00 AM - 10:00 AM	56.3	55.1	1.2	7.0	49.3	-	46.1	3.2
10:00 AM - 11:00 AM	64.9	57.0	7.9	0.5	64.4	-	47.0	17.4
11:00 AM - 12:00 PM	60.5	65.4	-4.9	7.0	53.5	-	60.4	-6.9
ค่ามาตรฐาน								≤ 10

Reference Method : ISO 1996-1

#### มาตรฐาน

- ประกาศกระทรวงอุตสาหกรรม เรื่อง กำหนดค่าระดับเสียงการรบกวนและระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548
  - ประกาศกรมโรงงานอุตสาหกรรม เรื่อง วิธีการตรวจวัดระดับเสียงรบกวน ระดับเสียงเฉลี่ย 24 ชั่วโมง และระดับเสียงสูงสุดที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2553
  - ประกาศกระทรวงสาธารณสุข เรื่อง กำหนดค่ามาตรฐานมลพิษทางเสียงอันเกิดจากการประกอบกิจการที่เป็นอันตรายต่อสุขภาพ พ.ศ. 2561
- ระดับเสียงจากแหล่งกำเนิด ทำการตรวจวัด วันที่ 24-25 ธันวาคม 2565  
ระดับเสียงพื้นฐานและระดับเสียงขณะไม่มีการรบกวน (Sample No.22144028-13 วันที่ตรวจวัด 24-25 ธันวาคม 2565)

The above results are valid only for the analyzed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

Approved by

Wilawan Borirak  
Assistant Manager





## Analysis / Test Report

TESTING  
No.0042

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

Lot ID: 22144026  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report Number : 2535161-1

P/O : RJN-BW-012/65  
Project Name : Chonburi Bowin  
Project Location :

Page 1 of 3

Sample No. 22144026-14  
Parameter เสียงรบกวน  
Location N2 : บัสยิดบุรลอิสลาม  
Measurement Date Dec 25 - 26, 2022  
Measurement by Jaradrawee Sriuksa  
Sound Level Meter 00709746

### ระดับเสียง (dB(A))

เวลา	เสียงจาก แหล่งกำเนิด (A)	เสียงขณะ ไม่มีการรบกวน (B)	ผลต่าง ระดับเสียง (A-B)	ตัวปรับค่า (C)	ปรับค่าเสียงจากแหล่งกำเนิด (B)		เสียงพื้นฐาน (E)	ค่าระดับ การรบกวน (D-E)
					กลางวัน (A-C)	กลางคืน (A-C)+3		
12:00 PM - 01:00 PM	56.4	58.7	-2.3	7.0	49.4	-	49.0	0.4
01:00 PM - 02:00 PM	55.4	54.8	0.6	7.0	48.4	-	44.0	4.4
02:00 PM - 03:00 PM	54.8	54.2	0.6	7.0	47.8	-	42.9	4.9
03:00 PM - 04:00 PM	57.7	55.8	1.9	4.5	53.2	-	42.3	10.9
04:00 PM - 05:00 PM	57.4	56.4	1.0	7.0	50.4	-	43.6	6.8
05:00 PM - 06:00 PM	59.6	57.7	1.9	4.5	55.1	-	46.2	8.9
06:00 PM - 07:00 PM	57.2	58.2	-1.0	7.0	50.2	-	46.8	3.4
07:00 PM - 08:00 PM	53.7	56.7	-3.0	7.0	46.7	-	45.7	1.0
08:00 PM - 09:00 PM	57.5	56.3	1.2	7.0	50.5	-	44.3	6.2
09:00 PM - 10:00 PM	49.5	54.0	-4.5	7.0	42.5	-	48.8	-6.3
10:00 PM - 10:05 PM	48.6	45.5	3.1	3.0	-	48.6	42.0	6.6
10:05 PM - 10:10 PM	62.5	50.5	12.0	0.5	-	65.0	42.1	22.9
10:10 PM - 10:15 PM	47.0	47.5	-0.5	7.0	-	43.0	42.9	0.1
10:15 PM - 10:20 PM	45.9	51.3	-5.4	7.0	-	41.9	43.5	-1.6
10:20 PM - 10:25 PM	46.5	50.2	-3.7	7.0	-	42.5	43.0	-0.5
10:25 PM - 10:30 PM	43.7	48.8	-5.1	7.0	-	39.7	43.1	-3.4
10:30 PM - 10:35 PM	53.4	47.3	6.1	1.5	-	54.9	43.3	11.6
10:35 PM - 10:40 PM	47.3	48.1	-0.8	7.0	-	43.3	43.5	-0.2
10:40 PM - 10:45 PM	46.2	47.7	-1.5	7.0	-	42.2	43.9	-1.7
10:45 PM - 10:50 PM	45.3	63.1	-17.8	7.0	-	41.3	43.7	-2.4
10:50 PM - 10:55 PM	45.7	45.9	-0.2	7.0	-	41.7	43.3	-1.6
10:55 PM - 11:00 PM	45.6	47.2	-1.6	7.0	-	41.6	43.4	-1.8
11:00 PM - 11:05 PM	56.3	46.7	9.6	0.5	-	58.8	42.0	16.8
11:05 PM - 11:10 PM	46.4	44.1	2.3	4.5	-	44.9	42.0	2.9
11:10 PM - 11:15 PM	49.7	43.2	6.5	1.0	-	51.7	42.0	9.7
11:15 PM - 11:20 PM	47.4	53.7	-6.3	7.0	-	43.4	43.1	0.3
11:20 PM - 11:25 PM	48.0	45.4	2.6	3.0	-	48.0	43.1	4.9
11:25 PM - 11:30 PM	47.0	45.6	1.4	7.0	-	43.0	42.9	0.1
11:30 PM - 11:35 PM	42.9	45.5	-2.6	7.0	-	38.9	43.1	-4.2
11:35 PM - 11:40 PM	45.9	44.1	1.8	4.5	-	44.4	42.8	1.6
11:40 PM - 11:45 PM	43.8	56.7	-12.9	7.0	-	39.8	43.4	-3.6
11:45 PM - 11:50 PM	40.1	46.4	-6.3	7.0	-	36.1	43.4	-7.3
11:50 PM - 11:55 PM	42.4	49.5	-7.1	7.0	-	38.4	43.1	-4.7
11:55 PM - 12:00 AM	43.9	45.3	-1.4	7.0	-	39.9	41.1	-1.2
12:00 AM - 12:05 AM	43.6	48.3	-4.7	7.0	-	39.6	40.5	-0.9
12:05 AM - 12:10 AM	42.7	47.7	-5.0	7.0	-	38.7	40.4	-1.7
12:10 AM - 12:15 AM	51.4	43.8	7.6	0.5	-	53.9	40.1	13.8
12:15 AM - 12:20 AM	45.5	42.0	3.5	2.0	-	46.5	38.2	8.3
12:20 AM - 12:25 AM	43.9	45.8	-1.9	7.0	-	39.9	37.5	2.4
12:25 AM - 12:30 AM	45.0	42.5	2.5	3.0	-	45.0	37.6	7.4

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Approved by

*Wilawan Borirak*

Wilawan Borirak  
Assistant Manager





## Analysis / Test Report

TESTING  
No.0042

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

Lot ID: 22144026  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report Number : 2535161-1

P/O : RJN-BW-012/65

Project Name : Chonburi Bowin

Project Location :

Page 2 of 3

Sample No. 22144026-14  
Parameter เสียงรบกวน  
Location N2 : มัสยิดนูรุลอิสลาม  
Measurement Date Dec 25 - 26, 2022  
Measurement by Jaradrawee Sriuksa  
Sound Level Meter 00709746

### ระดับเสียง (dB(A))

เวลา	เสียงจาก แหล่งกำเนิด (A)	เสียงขณะ ไม่มีการรบกวน (B)	ผลต่าง ระดับเสียง (A-B)	ตัวปรับค่า (C)	ปรับค่าเสียงจากแหล่งกำเนิด (D)		เสียงพื้นฐาน (E)	ค่าระดับ การรบกวน (D-E)
					กลางวัน (A-C)	กลางคืน (A-C)+3		
12:30 AM - 12:35 AM	42.6	41.0	1.6	4.5	-	41.1	38.3	2.8
12:35 AM - 12:40 AM	43.7	42.7	1.0	7.0	-	39.7	38.6	1.1
12:40 AM - 12:45 AM	48.9	43.1	5.8	1.5	-	50.4	39.3	11.1
12:45 AM - 12:50 AM	45.8	42.9	2.9	3.0	-	45.8	40.1	5.7
12:50 AM - 12:55 AM	46.5	44.1	2.4	4.5	-	45.0	39.7	5.3
12:55 AM - 01:00 AM	43.6	51.0	-7.4	7.0	-	39.6	40.7	-1.1
01:00 AM - 01:05 AM	42.3	43.9	-1.6	7.0	-	38.3	40.9	-2.6
01:05 AM - 01:10 AM	48.0	45.6	2.4	4.5	-	46.5	41.0	5.5
01:10 AM - 01:15 AM	46.7	42.1	4.6	1.5	-	48.2	40.3	7.9
01:15 AM - 01:20 AM	42.0	42.8	-0.8	7.0	-	38.0	40.4	-2.4
01:20 AM - 01:25 AM	49.0	48.6	0.4	7.0	-	45.0	39.9	5.1
01:25 AM - 01:30 AM	44.4	44.5	-0.1	7.0	-	40.4	40.7	-0.3
01:30 AM - 01:35 AM	42.3	44.3	-2.0	7.0	-	38.3	42.0	-3.7
01:35 AM - 01:40 AM	42.4	45.5	-3.1	7.0	-	38.4	41.4	-3.0
01:40 AM - 01:45 AM	44.0	41.9	2.1	4.5	-	42.5	40.8	1.7
01:45 AM - 01:50 AM	43.1	47.7	-4.6	7.0	-	39.1	40.7	-1.6
01:50 AM - 01:55 AM	44.2	46.2	-2.0	7.0	-	40.2	40.4	-0.2
01:55 AM - 02:00 AM	41.8	41.4	0.4	7.0	-	37.8	39.7	-1.9
02:00 AM - 02:05 AM	49.9	41.2	8.7	0.5	-	52.4	39.7	12.7
02:05 AM - 02:10 AM	42.6	48.9	-6.3	7.0	-	38.6	40.5	-1.9
02:10 AM - 02:15 AM	47.4	42.0	5.4	1.5	-	48.9	40.8	8.1
02:15 AM - 02:20 AM	42.2	41.9	0.3	7.0	-	38.2	40.9	-2.7
02:20 AM - 02:25 AM	44.3	42.5	1.8	4.5	-	42.8	41.1	1.7
02:25 AM - 02:30 AM	45.9	43.8	2.1	4.5	-	44.4	41.5	2.9
02:30 AM - 02:35 AM	56.2	43.9	12.3	0.5	-	58.7	41.1	17.6
02:35 AM - 02:40 AM	71.4	41.2	30.2	0.0	-	74.4	40.1	34.3
02:40 AM - 02:45 AM	42.7	49.2	-6.5	7.0	-	38.7	41.1	-2.4
02:45 AM - 02:50 AM	41.2	41.7	-0.5	7.0	-	37.2	40.5	-3.3
02:50 AM - 02:55 AM	43.3	47.0	-3.7	7.0	-	39.3	40.9	-1.6
02:55 AM - 03:00 AM	42.0	43.0	-1.0	7.0	-	38.0	40.4	-2.4
03:00 AM - 03:05 AM	42.7	42.5	0.2	7.0	-	38.7	40.8	-2.1
03:05 AM - 03:10 AM	43.5	47.0	-3.5	7.0	-	39.5	40.8	-1.3
03:10 AM - 03:15 AM	42.6	46.2	-3.6	7.0	-	38.6	40.5	-1.9
03:15 AM - 03:20 AM	44.0	43.8	0.2	7.0	-	40.0	40.3	-0.3
03:20 AM - 03:25 AM	42.9	44.4	-1.5	7.0	-	38.9	41.2	-2.3
03:25 AM - 03:30 AM	44.1	40.9	3.2	3.0	-	44.1	39.6	4.5
03:30 AM - 03:35 AM	43.8	41.5	2.3	4.5	-	42.3	39.9	2.4
03:35 AM - 03:40 AM	42.0	42.3	-0.3	7.0	-	38.0	40.1	-2.1
03:40 AM - 03:45 AM	42.9	41.8	1.1	7.0	-	38.9	40.0	-1.1
03:45 AM - 03:50 AM	44.0	43.9	0.1	7.0	-	40.0	39.7	0.3

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Approved by

Wilawan Borirak  
Assistant Manager



## Analysis / Test Report

TESTING  
No.0042

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

Lot ID: 22144026  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report Number : 2535161-1

P/O : RJN-BW-012/65  
Project Name : Chonburi Bowin  
Project Location :

Page 3 of 3

Sample No. 22144026-14  
Parameter เสียงรบกวน  
Location N2 : มัสยิดบุรุษอิสลาม  
Measurement Date Dec 25 - 26, 2022  
Measurement by Jaradrawee Sriruksa  
Sound Level Meter 00709746

### ระดับเสียง (dB(A))

เวลา	เสียงจากแหล่งกำเนิด (A)	เสียงขณะไม่มีการรบกวน (B)	ผลต่างระดับเสียง (A-B)	ตัวปรับค่า (C)	ปรับค่าเสียงจากแหล่งกำเนิด (D)		เสียงพื้นฐาน (E)	ค่าระดับการรบกวน (D-E)
					กลางวัน (A-C)	กลางคืน (A-C)+3		
03:50 AM - 03:55 AM	42.1	42.4	-0.3	7.0	-	38.1	39.6	-1.5
03:55 AM - 04:00 AM	45.0	43.4	1.6	4.5	-	43.5	39.7	3.8
04:00 AM - 04:05 AM	51.5	41.8	9.7	0.5	-	54.0	40.5	13.5
04:05 AM - 04:10 AM	45.3	44.0	1.3	7.0	-	41.3	40.7	0.6
04:10 AM - 04:15 AM	47.6	42.4	5.2	1.5	-	49.1	40.7	8.4
04:15 AM - 04:20 AM	52.4	42.3	10.1	0.5	-	54.9	40.9	14.0
04:20 AM - 04:25 AM	47.8	42.4	5.4	1.5	-	49.3	40.4	8.9
04:25 AM - 04:30 AM	46.9	42.9	4.0	2.0	-	47.9	40.8	7.1
04:30 AM - 04:35 AM	47.6	42.2	5.4	1.5	-	49.1	41.0	8.1
04:35 AM - 04:40 AM	50.9	42.9	8.0	0.5	-	53.4	40.6	12.8
04:40 AM - 04:45 AM	48.4	51.6	-3.2	7.0	-	44.4	42.0	2.4
04:45 AM - 04:50 AM	60.0	44.7	15.3	0.0	-	63.0	41.9	21.1
04:50 AM - 04:55 AM	50.5	46.3	4.2	2.0	-	51.5	41.7	9.8
04:55 AM - 05:00 AM	51.1	49.4	1.7	4.5	-	49.6	42.1	7.5
05:00 AM - 05:05 AM	64.8	49.9	14.9	0.0	-	67.8	42.2	25.6
05:05 AM - 05:10 AM	58.8	48.6	10.2	0.5	-	61.3	43.1	18.2
05:10 AM - 05:15 AM	52.8	49.0	3.8	2.0	-	53.8	43.7	10.1
05:15 AM - 05:20 AM	47.0	50.9	-3.9	7.0	-	43.0	44.0	-1.0
05:20 AM - 05:25 AM	48.1	50.0	-1.9	7.0	-	44.1	42.1	2.0
05:25 AM - 05:30 AM	61.4	55.9	5.5	1.5	-	62.9	42.3	20.6
05:30 AM - 05:35 AM	60.4	58.2	2.2	4.5	-	58.9	42.3	16.6
05:35 AM - 05:40 AM	49.4	51.9	-2.5	7.0	-	45.4	43.3	2.1
05:40 AM - 05:45 AM	49.2	61.4	-12.2	7.0	-	45.2	42.9	2.3
05:45 AM - 05:50 AM	48.1	63.0	-14.9	7.0	-	44.1	42.6	1.5
05:50 AM - 05:55 AM	49.9	56.4	-6.5	7.0	-	45.9	43.7	2.2
05:55 AM - 06:00 AM	51.1	48.7	2.4	4.5	-	49.6	42.9	6.7
06:00 AM - 07:00 AM	54.0	54.5	-0.5	7.0	47.0	-	51.4	-4.4
07:00 AM - 08:00 AM	56.6	55.0	1.6	4.5	52.1	-	47.6	4.5
08:00 AM - 09:00 AM	58.0	57.2	0.8	7.0	51.0	-	50.8	0.2
09:00 AM - 10:00 AM	55.8	54.6	1.2	7.0	48.8	-	45.8	3.0
10:00 AM - 11:00 AM	52.9	52.6	0.3	7.0	45.9	-	44.7	1.2
11:00 AM - 12:00 PM	58.6	58.4	0.2	7.0	51.6	-	53.7	-2.1

ค่ามาตรฐาน

≤ 10

Reference Method : ISO 1996-1

### มาตรฐาน

- ประกาศกระทรวงอุตสาหกรรม เรื่อง กำหนดค่าระดับเสียงการรบกวนและระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548
  - ประกาศกรมโรงงานอุตสาหกรรม เรื่อง วิธีการตรวจวัดระดับเสียงรบกวน ระดับเสียงเฉลี่ย 24 ชั่วโมง และระดับเสียงสูงสุดที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2553
  - ประกาศกระทรวงสาธารณสุข เรื่อง กำหนดค่ามาตรฐานมลพิษทางเสียงอันเกิดจากการประกอบกิจการที่เป็นอันตรายต่อสุขภาพ พ.ศ. 2561
- ระดับเสียงจากแหล่งกำเนิด ทำการตรวจวัด วันที่ 25-26 ธันวาคม 2565  
ระดับเสียงพื้นฐานและระดับเสียงขณะไม่มีการรบกวน (Sample No.22144028-14 วันที่ตรวจวัด 25-26 ธันวาคม 2565)

The above results are valid only for the analyzed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

Approved by

Wilawan Borirak  
Assistant Manager



# Analysis / Test Report

**TESTING**  
**No.0042**

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

Lot ID: 22144026  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report Number : 2535162-1

P/O : RJN-BW-012/65  
Project Name : Chonburi Bowin  
Project Location :

Page 1 of 3

Sample No. 22144026-15  
Parameter เสียงรบกวน  
Location N3 : หมู่บ้านไข่มุก 5  
Measurement Date Dec 19 - 20, 2022  
Measurement by Jaradrawee Sriuksa  
Sound Level Meter 00472127

## ระดับเสียง (dB(A))

เวลา	เสียงจาก แหล่งกำเนิด <sup>(A)</sup>	เสียงขณะ ไม่มีการรบกวน <sup>(B)</sup>	ผลต่าง ระดับเสียง <sup>(A-B)</sup>	ตัวปรับค่า <sup>(C)</sup>	ปรับค่าเสียงจากแหล่งกำเนิด <sup>(B)</sup>		เสียงพื้นฐาน <sup>(E)</sup>	ค่าระดับ การรบกวน <sup>(D-E)</sup>
					กลางวัน <sup>(A-C)</sup>	กลางคืน <sup>(A-C)+3</sup>		
12:00 PM - 01:00 PM	49.0	53.5	-4.5	7.0	42.0	-	41.0	1.0
01:00 PM - 02:00 PM	46.3	44.9	1.4	7.0	39.3	-	41.1	-1.8
02:00 PM - 03:00 PM	49.9	49.0	0.9	7.0	42.9	-	41.3	1.6
03:00 PM - 04:00 PM	49.8	46.0	3.8	2.0	47.8	-	40.7	7.1
04:00 PM - 05:00 PM	52.1	46.3	5.8	1.5	50.6	-	40.8	9.8
05:00 PM - 06:00 PM	58.4	52.4	6.0	1.5	56.9	-	42.8	14.1
06:00 PM - 07:00 PM	50.8	49.0	1.8	4.5	46.3	-	45.9	0.4
07:00 PM - 08:00 PM	49.7	47.5	2.2	4.5	45.2	-	44.4	0.8
08:00 PM - 09:00 PM	45.9	46.1	-0.2	7.0	38.9	-	43.6	-4.7
09:00 PM - 10:00 PM	44.7	44.7	0.0	7.0	37.7	-	43.3	-5.6
10:00 PM - 10:05 PM	45.7	47.1	-1.4	7.0	-	41.7	43.1	-1.4
10:05 PM - 10:10 PM	46.5	45.9	0.6	7.0	-	42.5	43.2	-0.7
10:10 PM - 10:15 PM	45.6	44.6	1.0	7.0	-	41.6	43.0	-1.4
10:15 PM - 10:20 PM	45.1	45.0	0.1	7.0	-	41.1	43.0	-1.9
10:20 PM - 10:25 PM	45.3	46.3	-1.0	7.0	-	41.3	43.1	-1.8
10:25 PM - 10:30 PM	45.0	46.0	-1.0	7.0	-	41.0	42.9	-1.9
10:30 PM - 10:35 PM	45.3	45.8	-0.5	7.0	-	41.3	43.1	-1.8
10:35 PM - 10:40 PM	45.8	46.8	-1.0	7.0	-	41.8	43.8	-2.0
10:40 PM - 10:45 PM	45.7	46.5	-0.8	7.0	-	41.7	43.2	-1.5
10:45 PM - 10:50 PM	45.4	45.7	-0.3	7.0	-	41.4	42.8	-1.4
10:50 PM - 10:55 PM	44.5	45.4	-0.9	7.0	-	40.5	42.3	-1.8
10:55 PM - 11:00 PM	44.2	43.9	0.3	7.0	-	40.2	42.1	-1.9
11:00 PM - 11:05 PM	44.0	44.1	-0.1	7.0	-	40.0	42.3	-2.3
11:05 PM - 11:10 PM	45.1	45.1	0.0	7.0	-	41.1	42.3	-1.2
11:10 PM - 11:15 PM	45.9	46.5	-0.6	7.0	-	41.9	43.4	-1.5
11:15 PM - 11:20 PM	45.5	48.3	-2.8	7.0	-	41.5	42.4	-0.9
11:20 PM - 11:25 PM	44.5	45.8	-1.3	7.0	-	40.5	42.2	-1.7
11:25 PM - 11:30 PM	44.8	43.7	1.1	7.0	-	40.8	42.1	-1.3
11:30 PM - 11:35 PM	44.7	42.9	1.8	4.5	-	43.2	42.0	1.2
11:35 PM - 11:40 PM	43.7	43.9	-0.2	7.0	-	39.7	42.5	-2.8
11:40 PM - 11:45 PM	43.7	44.1	-0.4	7.0	-	39.7	42.6	-2.9
11:45 PM - 11:50 PM	43.2	43.2	0.0	7.0	-	39.2	42.3	-3.1
11:50 PM - 11:55 PM	43.8	43.4	0.4	7.0	-	39.8	42.2	-2.4
11:55 PM - 12:00 AM	43.3	43.2	0.1	7.0	-	39.3	41.4	-2.1
12:00 AM - 12:05 AM	44.0	42.4	1.6	4.5	-	42.5	41.4	1.1
12:05 AM - 12:10 AM	43.4	43.9	-0.5	7.0	-	39.4	41.6	-2.2
12:10 AM - 12:15 AM	43.6	42.3	1.3	7.0	-	39.6	41.2	-1.6
12:15 AM - 12:20 AM	43.7	43.3	0.4	7.0	-	39.7	41.5	-1.8
12:20 AM - 12:25 AM	43.3	43.7	-0.4	7.0	-	39.3	41.7	-2.4
12:25 AM - 12:30 AM	43.4	42.9	0.5	7.0	-	39.4	41.6	-2.2

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Approved by

*Wilawan Borirak*

Wilawan Borirak  
Assistant Manager



## Analysis / Test Report

TESTING  
No.0042

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

Lot ID: 22144026  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report Number : 2535162-1

P/O : RJN-BW-012/65  
Project Name : Chonburi Bowin  
Project Location :

Page 2 of 3

Sample No. 22144026-15  
Parameter เสียงรบกวน  
Location N3 : หมู่บ้านไข่มุก 5  
Measurement Date Dec 19 - 20, 2022  
Measurement by Jaradrawee Sriuksa  
Sound Level Meter 00472127

### ระดับเสียง (dB(A))

เวลา	เสียงจาก แหล่งกำเนิด (A)	เสียงขณะ ไม่มีการรบกวน (B)	ผลต่าง ระดับเสียง (A-B)	ตัวปรับค่า (C)	ปรับค่าเสียงจากแหล่งกำเนิด (D)		เสียงพื้นฐาน (E)	ค่าระดับ การรบกวน (D-E)
					กลางวัน (A-C)	กลางคืน (A-C)+3		
12:30 AM - 12:35 AM	43.0	42.4	0.6	7.0	-	39.0	41.5	-2.5
12:35 AM - 12:40 AM	42.8	41.9	0.9	7.0	-	38.8	41.2	-2.4
12:40 AM - 12:45 AM	43.3	42.7	0.6	7.0	-	39.3	41.4	-2.1
12:45 AM - 12:50 AM	43.7	43.1	0.6	7.0	-	39.7	41.9	-2.2
12:50 AM - 12:55 AM	43.6	43.0	0.6	7.0	-	39.6	42.0	-2.4
12:55 AM - 01:00 AM	44.0	44.4	-0.4	7.0	-	40.0	42.5	-2.5
01:00 AM - 01:05 AM	43.6	44.4	-0.8	7.0	-	39.6	42.0	-2.4
01:05 AM - 01:10 AM	44.0	43.1	0.9	7.0	-	40.0	41.9	-1.9
01:10 AM - 01:15 AM	57.8	50.7	7.1	1.0	-	59.8	42.6	17.2
01:15 AM - 01:20 AM	69.5	55.0	14.5	0.0	-	72.5	42.4	30.1
01:20 AM - 01:25 AM	44.6	44.0	0.6	7.0	-	40.6	42.0	-1.4
01:25 AM - 01:30 AM	44.9	43.6	1.3	7.0	-	40.9	42.3	-1.4
01:30 AM - 01:35 AM	45.5	45.1	0.4	7.0	-	41.5	42.1	-0.6
01:35 AM - 01:40 AM	46.1	46.4	-0.3	7.0	-	42.1	42.6	-0.5
01:40 AM - 01:45 AM	45.8	45.0	0.8	7.0	-	41.8	42.5	-0.7
01:45 AM - 01:50 AM	44.7	43.7	1.0	7.0	-	40.7	41.7	-1.0
01:50 AM - 01:55 AM	45.3	45.4	-0.1	7.0	-	41.3	42.4	-1.1
01:55 AM - 02:00 AM	44.2	44.3	-0.1	7.0	-	40.2	42.2	-2.0
02:00 AM - 02:05 AM	44.9	45.7	-0.8	7.0	-	40.9	42.5	-1.6
02:05 AM - 02:10 AM	44.2	45.0	-0.8	7.0	-	40.2	42.8	-2.6
02:10 AM - 02:15 AM	44.3	44.1	0.2	7.0	-	40.3	42.1	-1.8
02:15 AM - 02:20 AM	43.4	43.6	-0.2	7.0	-	39.4	42.2	-2.8
02:20 AM - 02:25 AM	44.2	46.2	-2.0	7.0	-	40.2	42.8	-2.6
02:25 AM - 02:30 AM	43.5	43.5	0.0	7.0	-	39.5	42.4	-2.9
02:30 AM - 02:35 AM	44.6	45.3	-0.7	7.0	-	40.6	42.6	-2.0
02:35 AM - 02:40 AM	48.7	49.1	-0.4	7.0	-	44.7	42.1	2.6
02:40 AM - 02:45 AM	51.9	46.7	5.2	1.5	-	53.4	42.0	11.4
02:45 AM - 02:50 AM	43.7	47.4	-3.7	7.0	-	39.7	41.9	-2.2
02:50 AM - 02:55 AM	44.6	47.1	-2.5	7.0	-	40.6	42.5	-1.9
02:55 AM - 03:00 AM	43.3	45.9	-2.6	7.0	-	39.3	42.5	-3.2
03:00 AM - 03:05 AM	43.4	45.6	-2.2	7.0	-	39.4	42.4	-3.0
03:05 AM - 03:10 AM	43.3	43.4	-0.1	7.0	-	39.3	41.7	-2.4
03:10 AM - 03:15 AM	42.1	43.0	-0.9	7.0	-	38.1	41.4	-3.3
03:15 AM - 03:20 AM	42.4	42.4	0.0	7.0	-	38.4	41.2	-2.8
03:20 AM - 03:25 AM	43.2	42.8	0.4	7.0	-	39.2	41.3	-2.1
03:25 AM - 03:30 AM	42.1	41.9	0.2	7.0	-	38.1	40.7	-2.6
03:30 AM - 03:35 AM	42.2	41.9	0.3	7.0	-	38.2	40.7	-2.5
03:35 AM - 03:40 AM	42.2	41.4	0.8	7.0	-	38.2	40.5	-2.3
03:40 AM - 03:45 AM	42.0	41.8	0.2	7.0	-	38.0	40.2	-2.2
03:45 AM - 03:50 AM	42.2	42.2	0.0	7.0	-	38.2	40.8	-2.6

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Approved by

Wilawan Borirak  
Assistant Manager



## Analysis / Test Report

TESTING  
No.0042

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

Lot ID: 22144026  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report Number : 2535162-1

P/O : RJN-BW-012/65

Project Name : Chonburi Bowin

Project Location :

Page 3 of 3

Sample No. 22144026-15  
Parameter เสียงรบกวน  
Location N3 : หมู่บ้านไข่มุก 5  
Measurement Date Dec 19 - 20, 2022  
Measurement by Jaradrawee Sriruksa  
Sound Level Meter 00472127

### ระดับเสียง (dB(A))

เวลา	(A)	(B)	(A-B)	(C)	(D)		(E)	(D-E)
	เสียงจาก แหล่งกำเนิด	เสียงขณะ ไม่มีการรบกวน	ผลต่าง ระดับเสียง	ตัวปรับค่า	ปรับค่าเสียงจากแหล่งกำเนิด		เสียงพื้นฐาน	ค่าระดับ การรบกวน
					กลางวัน (A-C)	กลางคืน (A-C)+3		
03:50 AM - 03:55 AM	42.8	43.2	-0.4	7.0	-	38.8	41.6	-2.8
03:55 AM - 04:00 AM	42.9	43.0	-0.1	7.0	-	38.9	41.7	-2.8
04:00 AM - 04:05 AM	43.3	43.6	-0.3	7.0	-	39.3	41.7	-2.4
04:05 AM - 04:10 AM	43.1	45.8	-2.7	7.0	-	39.1	41.3	-2.2
04:10 AM - 04:15 AM	54.7	52.2	2.5	3.0	-	54.7	41.2	13.5
04:15 AM - 04:20 AM	46.3	43.2	3.1	3.0	-	46.3	41.4	4.9
04:20 AM - 04:25 AM	43.0	42.6	0.4	7.0	-	39.0	40.6	-1.6
04:25 AM - 04:30 AM	43.4	43.0	0.4	7.0	-	39.4	41.3	-1.9
04:30 AM - 04:35 AM	43.1	42.9	0.2	7.0	-	39.1	41.4	-2.3
04:35 AM - 04:40 AM	43.2	43.5	-0.3	7.0	-	39.2	41.6	-2.4
04:40 AM - 04:45 AM	44.0	43.4	0.6	7.0	-	40.0	41.7	-1.7
04:45 AM - 04:50 AM	43.5	43.0	0.5	7.0	-	39.5	41.4	-1.9
04:50 AM - 04:55 AM	44.0	43.4	0.6	7.0	-	40.0	41.8	-1.8
04:55 AM - 05:00 AM	43.5	43.1	0.4	7.0	-	39.5	41.5	-2.0
05:00 AM - 05:05 AM	44.0	43.7	0.3	7.0	-	40.0	41.5	-1.5
05:05 AM - 05:10 AM	44.7	43.8	0.9	7.0	-	40.7	41.4	-0.7
05:10 AM - 05:15 AM	44.2	43.4	0.8	7.0	-	40.2	41.4	-1.2
05:15 AM - 05:20 AM	43.4	43.7	-0.3	7.0	-	39.4	41.6	-2.2
05:20 AM - 05:25 AM	51.9	51.1	0.8	7.0	-	47.9	42.0	5.9
05:25 AM - 05:30 AM	56.2	52.8	3.4	3.0	-	56.2	42.2	14.0
05:30 AM - 05:35 AM	52.5	48.7	3.8	2.0	-	53.5	42.5	11.0
05:35 AM - 05:40 AM	50.9	47.6	3.3	3.0	-	50.9	41.8	9.1
05:40 AM - 05:45 AM	49.1	45.7	3.4	3.0	-	49.1	42.0	7.1
05:45 AM - 05:50 AM	51.9	48.5	3.4	3.0	-	51.9	43.1	8.8
05:50 AM - 05:55 AM	53.4	50.8	2.6	3.0	-	53.4	43.1	10.3
05:55 AM - 06:00 AM	55.9	51.3	4.6	1.5	-	57.4	43.3	14.1
06:00 AM - 07:00 AM	55.8	49.3	6.5	1.0	54.8	-	44.0	10.8
07:00 AM - 08:00 AM	51.4	47.5	3.9	2.0	49.4	-	43.9	5.5
08:00 AM - 09:00 AM	54.1	50.1	4.0	2.0	52.1	-	44.0	8.1
09:00 AM - 10:00 AM	50.1	48.7	1.4	7.0	43.1	-	42.3	0.8
10:00 AM - 11:00 AM	51.9	47.5	4.4	2.0	49.9	-	42.5	7.4
11:00 AM - 12:00 PM	51.9	45.6	6.3	1.5	50.4	-	41.0	9.4
ค่ามาตรฐาน								≤ 10

ค่ามาตรฐาน

≤ 10

Reference Method : ISO 1996-1

### มาตรฐาน

- ประกาศกระทรวงอุตสาหกรรม เรื่อง กำหนดค่าระดับเสียงการรบกวนและระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548
  - ประกาศกรมโรงงานอุตสาหกรรม เรื่อง วิธีการตรวจวัดระดับเสียงรบกวน ระดับเสียงเฉลี่ย 24 ชั่วโมง และระดับเสียงสูงสุดที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2553
  - ประกาศกระทรวงสาธารณสุข เรื่อง กำหนดค่ามาตรฐานมลพิษทางเสียงอันเกิดจากการประกอบกิจการที่เป็นอันตรายต่อสุขภาพ พ.ศ. 2561
- ระดับเสียงจากแหล่งกำเนิด ทำการตรวจวัด วันที่ 19-20 ธันวาคม 2565  
ระดับเสียงพื้นฐานและระดับเสียงขณะไม่มีการรบกวน (Sample No.22144028-15 วันที่ตรวจวัด 19-20 ธันวาคม 2565)

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Approved by

Wilawan Borirak  
Assistant Manager



## Analysis / Test Report

TESTING  
No.0042

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

Lot ID: 22144026  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report Number : 2535163-1

P/O : RJN-BW-012/65

Project Name : Chonburi Bowin

Project Location :

Page 1 of 3

Sample No. 22144026-16  
Parameter เสียงรบกวน  
Location N3 : หมู่บ้านไข่มุก 5  
Measurement Date Dec 20 - 21, 2022  
Measurement by Jaradrawee Sriuksa  
Sound Level Meter 00472127

### ระดับเสียง (dB(A))

เวลา	เสียงจาก แหล่งกำเนิด <sup>(A)</sup>	เสียงขณะ ไม่มีการรบกวน <sup>(B)</sup>	ผลต่าง ระดับเสียง <sup>(A-B)</sup>	ตัวปรับค่า <sup>(C)</sup>	ปรับค่าเสียงจากแหล่งกำเนิด <sup>(B)</sup>		เสียงพื้นฐาน <sup>(E)</sup>	ค่าระดับ การรบกวน <sup>(D-E)</sup>
					กลางวัน <sup>(A-C)</sup>	กลางคืน <sup>(A-C)+3</sup>		
12:00 PM - 01:00 PM	47.1	44.1	3.0	3.0	44.1	-	40.6	3.5
01:00 PM - 02:00 PM	45.4	52.5	-7.1	7.0	38.4	-	38.1	0.3
02:00 PM - 03:00 PM	55.3	50.9	4.4	2.0	53.3	-	38.2	15.1
03:00 PM - 04:00 PM	48.7	42.6	6.1	1.5	47.2	-	38.6	8.6
04:00 PM - 05:00 PM	54.0	46.3	7.7	0.5	53.5	-	40.6	12.9
05:00 PM - 06:00 PM	52.6	47.6	5.0	1.5	51.1	-	43.4	7.7
06:00 PM - 07:00 PM	52.2	49.4	2.8	3.0	49.2	-	47.3	1.9
07:00 PM - 08:00 PM	52.0	49.4	2.6	3.0	49.0	-	46.3	2.7
08:00 PM - 09:00 PM	49.8	48.0	1.8	4.5	45.3	-	45.7	-0.4
09:00 PM - 10:00 PM	47.7	46.9	0.8	7.0	40.7	-	44.8	-4.1
10:00 PM - 10:05 PM	45.9	45.2	0.7	7.0	-	41.9	44.1	-2.2
10:05 PM - 10:10 PM	45.9	44.6	1.3	7.0	-	41.9	43.7	-1.8
10:10 PM - 10:15 PM	45.4	44.9	0.5	7.0	-	41.4	43.7	-2.3
10:15 PM - 10:20 PM	45.8	45.9	-0.1	7.0	-	41.8	44.3	-2.5
10:20 PM - 10:25 PM	45.2	45.1	0.1	7.0	-	41.2	44.1	-2.9
10:25 PM - 10:30 PM	45.2	45.4	-0.2	7.0	-	41.2	44.2	-3.0
10:30 PM - 10:35 PM	44.8	45.0	-0.2	7.0	-	40.8	44.3	-3.5
10:35 PM - 10:40 PM	45.1	45.5	-0.4	7.0	-	41.1	44.5	-3.4
10:40 PM - 10:45 PM	45.4	45.5	-0.1	7.0	-	41.4	44.6	-3.2
10:45 PM - 10:50 PM	45.2	45.6	-0.4	7.0	-	41.2	44.6	-3.4
10:50 PM - 10:55 PM	48.2	45.6	2.6	3.0	-	48.2	44.7	3.5
10:55 PM - 11:00 PM	45.1	45.4	-0.3	7.0	-	41.1	44.4	-3.3
11:00 PM - 11:05 PM	45.3	45.3	0.0	7.0	-	41.3	43.9	-2.6
11:05 PM - 11:10 PM	45.4	45.0	0.4	7.0	-	41.4	44.0	-2.6
11:10 PM - 11:15 PM	45.7	44.6	1.1	7.0	-	41.7	43.6	-1.9
11:15 PM - 11:20 PM	45.7	45.2	0.5	7.0	-	41.7	43.8	-2.1
11:20 PM - 11:25 PM	46.2	44.9	1.3	7.0	-	42.2	43.7	-1.5
11:25 PM - 11:30 PM	45.1	44.3	0.8	7.0	-	41.1	43.4	-2.3
11:30 PM - 11:35 PM	45.6	45.0	0.6	7.0	-	41.6	43.7	-2.1
11:35 PM - 11:40 PM	51.1	48.0	3.1	3.0	-	51.1	44.4	6.7
11:40 PM - 11:45 PM	45.4	45.2	0.2	7.0	-	41.4	43.9	-2.5
11:45 PM - 11:50 PM	45.9	44.9	1.0	7.0	-	41.9	43.7	-1.8
11:50 PM - 11:55 PM	45.5	44.5	1.0	7.0	-	41.5	43.2	-1.7
11:55 PM - 12:00 AM	45.8	44.8	1.0	7.0	-	41.8	43.5	-1.7
12:00 AM - 12:05 AM	50.2	48.2	2.0	4.5	-	48.7	43.3	5.4
12:05 AM - 12:10 AM	45.2	44.5	0.7	7.0	-	41.2	43.5	-2.3
12:10 AM - 12:15 AM	44.3	44.2	0.1	7.0	-	40.3	43.3	-3.0
12:15 AM - 12:20 AM	44.0	44.5	-0.5	7.0	-	40.0	43.1	-3.1
12:20 AM - 12:25 AM	44.1	45.1	-1.0	7.0	-	40.1	44.2	-4.1
12:25 AM - 12:30 AM	44.2	44.8	-0.6	7.0	-	40.2	43.8	-3.6

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Approved by

*Wilawan Borirak*

Wilawan Borirak  
Assistant Manager





## Analysis / Test Report

TESTING  
No.0042

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

Lot ID: 22144026  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report Number : 2535163-1

P/O : RJN-BW-012/65  
Project Name : Chonburi Bowin  
Project Location :

Page 2 of 3

Sample No. 22144026-16  
Parameter เสียงรบกวน  
Location N3 : หมู่บ้านไข่มุก 5  
Measurement Date Dec 20 - 21, 2022  
Measurement by Jaradrawee Sriuksa  
Sound Level Meter 00472127

### ระดับเสียง (dB(A))

เวลา	เสียงจาก แหล่งกำเนิด (A)	เสียงขณะ ไม่มีการรบกวน (B)	ผลต่าง ระดับเสียง (A-B)	ตัวปรับค่า (C)	ปรับค่าเสียงจากแหล่งกำเนิด (D)		เสียงพื้นฐาน (E)	ค่าระดับ การรบกวน (D-E)
					กลางวัน (A-C)	กลางคืน (A-C)+3		
12:30 AM - 12:35 AM	44.1	44.3	-0.2	7.0	-	40.1	43.3	-3.2
12:35 AM - 12:40 AM	43.3	44.8	-1.5	7.0	-	39.3	43.8	-4.5
12:40 AM - 12:45 AM	43.6	45.2	-1.6	7.0	-	39.6	43.6	-4.0
12:45 AM - 12:50 AM	43.8	45.8	-2.0	7.0	-	39.8	43.4	-3.6
12:50 AM - 12:55 AM	44.4	46.3	-1.9	7.0	-	40.4	43.9	-3.5
12:55 AM - 01:00 AM	45.5	46.0	-0.5	7.0	-	41.5	43.7	-2.2
01:00 AM - 01:05 AM	44.7	46.3	-1.6	7.0	-	40.7	43.5	-2.8
01:05 AM - 01:10 AM	44.1	46.0	-1.9	7.0	-	40.1	43.8	-3.7
01:10 AM - 01:15 AM	44.3	45.9	-1.6	7.0	-	40.3	44.2	-3.9
01:15 AM - 01:20 AM	44.0	45.2	-1.2	7.0	-	40.0	43.8	-3.8
01:20 AM - 01:25 AM	73.0	59.2	13.8	0.0	-	76.0	47.1	28.9
01:25 AM - 01:30 AM	72.5	53.0	19.5	0.0	-	75.5	43.7	31.8
01:30 AM - 01:35 AM	44.4	44.4	0.0	7.0	-	40.4	43.2	-2.8
01:35 AM - 01:40 AM	43.9	43.9	0.0	7.0	-	39.9	42.9	-3.0
01:40 AM - 01:45 AM	45.8	44.6	1.2	7.0	-	41.8	42.7	-0.9
01:45 AM - 01:50 AM	43.7	44.0	-0.3	7.0	-	39.7	42.5	-2.8
01:50 AM - 01:55 AM	42.9	44.3	-1.4	7.0	-	38.9	42.6	-3.7
01:55 AM - 02:00 AM	43.4	44.3	-0.9	7.0	-	39.4	42.3	-2.9
02:00 AM - 02:05 AM	42.8	44.5	-1.7	7.0	-	38.8	42.2	-3.4
02:05 AM - 02:10 AM	44.9	46.6	-1.7	7.0	-	40.9	44.6	-3.7
02:10 AM - 02:15 AM	46.0	48.3	-2.3	7.0	-	42.0	43.6	-1.6
02:15 AM - 02:20 AM	56.6	50.9	5.7	1.5	-	58.1	43.5	14.6
02:20 AM - 02:25 AM	43.1	45.4	-2.3	7.0	-	39.1	42.9	-3.8
02:25 AM - 02:30 AM	45.2	47.1	-1.9	7.0	-	41.2	43.9	-2.7
02:30 AM - 02:35 AM	45.0	46.8	-1.8	7.0	-	41.0	43.1	-2.1
02:35 AM - 02:40 AM	45.3	47.2	-1.9	7.0	-	41.3	43.5	-2.2
02:40 AM - 02:45 AM	45.9	46.9	-1.0	7.0	-	41.9	43.7	-1.8
02:45 AM - 02:50 AM	45.0	46.5	-1.5	7.0	-	41.0	43.4	-2.4
02:50 AM - 02:55 AM	44.2	46.6	-2.4	7.0	-	40.2	43.4	-3.2
02:55 AM - 03:00 AM	44.2	46.1	-1.9	7.0	-	40.2	43.4	-3.2
03:00 AM - 03:05 AM	44.7	46.2	-1.5	7.0	-	40.7	43.4	-2.7
03:05 AM - 03:10 AM	52.0	50.2	1.8	4.5	-	50.5	43.5	7.0
03:10 AM - 03:15 AM	47.4	46.3	1.1	7.0	-	43.4	43.5	-0.1
03:15 AM - 03:20 AM	46.1	46.9	-0.8	7.0	-	42.1	43.5	-1.4
03:20 AM - 03:25 AM	44.7	46.5	-1.8	7.0	-	40.7	43.7	-3.0
03:25 AM - 03:30 AM	43.8	45.7	-1.9	7.0	-	39.8	43.2	-3.4
03:30 AM - 03:35 AM	46.7	46.8	-0.1	7.0	-	42.7	42.9	-0.2
03:35 AM - 03:40 AM	43.4	45.8	-2.4	7.0	-	39.4	43.4	-4.0
03:40 AM - 03:45 AM	43.5	49.3	-5.8	7.0	-	39.5	43.6	-4.1
03:45 AM - 03:50 AM	53.6	52.7	0.9	7.0	-	49.6	44.4	5.2

The above results are valid only for the analyzed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

Approved by

*Wilawan Borirak*

Wilawan Borirak  
Assistant Manager





## Analysis / Test Report

TESTING  
No.0042

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

Lot ID: 22144026  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report Number : 2535163-1

P/O : RJN-BW-012/65

Project Name : Chonburi Bowin

Project Location :

Page 3 of 3

Sample No. 22144026-16  
Parameter เสียงรบกวน  
Location N3 : หมู่บ้านไข่มุก 5  
Measurement Date Dec 20 - 21, 2022  
Measurement by Jaradrawee Sriruksa  
Sound Level Meter 00472127

### ระดับเสียง (dB(A))

ระดับเสียง (dB(A))								
เวลา	(A) เสียงจากแหล่งกำเนิด	(B) เสียงขณะไม่มีการรบกวน	(A-B) ผลต่างระดับเสียง	(C) ตัวปรับค่า	(D) ปรับค่าเสียงจากแหล่งกำเนิด		(E) เสียงพื้นฐาน	(D-E) ค่าระดับการรบกวน
					(A-C) กลางวัน	(A-C)+3 กลางคืน		
03:50 AM - 03:55 AM	44.4	46.2	-1.8	7.0	-	40.4	43.8	-3.4
03:55 AM - 04:00 AM	43.7	46.5	-2.8	7.0	-	39.7	43.7	-4.0
04:00 AM - 04:05 AM	44.5	46.5	-2.0	7.0	-	40.5	43.9	-3.4
04:05 AM - 04:10 AM	44.6	47.0	-2.4	7.0	-	40.6	44.1	-3.5
04:10 AM - 04:15 AM	44.9	47.7	-2.8	7.0	-	40.9	44.0	-3.1
04:15 AM - 04:20 AM	48.7	48.4	0.3	7.0	-	44.7	43.8	0.9
04:20 AM - 04:25 AM	44.3	47.2	-2.9	7.0	-	40.3	43.9	-3.6
04:25 AM - 04:30 AM	44.5	47.2	-2.7	7.0	-	40.5	44.3	-3.8
04:30 AM - 04:35 AM	43.4	47.0	-3.6	7.0	-	39.4	44.1	-4.7
04:35 AM - 04:40 AM	43.6	47.4	-3.8	7.0	-	39.6	43.9	-4.3
04:40 AM - 04:45 AM	48.7	49.3	-0.6	7.0	-	44.7	44.0	0.7
04:45 AM - 04:50 AM	57.1	52.5	4.6	1.5	-	58.6	44.7	13.9
04:50 AM - 04:55 AM	51.6	47.9	3.7	2.0	-	52.6	44.7	7.9
04:55 AM - 05:00 AM	44.8	47.4	-2.6	7.0	-	40.8	44.0	-3.2
05:00 AM - 05:05 AM	44.4	47.0	-2.6	7.0	-	40.4	43.5	-3.1
05:05 AM - 05:10 AM	43.9	47.1	-3.2	7.0	-	39.9	43.4	-3.5
05:10 AM - 05:15 AM	43.7	47.3	-3.6	7.0	-	39.7	43.0	-3.3
05:15 AM - 05:20 AM	44.2	47.3	-3.1	7.0	-	40.2	43.4	-3.2
05:20 AM - 05:25 AM	44.1	47.7	-3.6	7.0	-	40.1	43.6	-3.5
05:25 AM - 05:30 AM	50.8	51.6	-0.8	7.0	-	46.8	44.2	2.6
05:30 AM - 05:35 AM	57.5	53.1	4.4	2.0	-	58.5	44.2	14.3
05:35 AM - 05:40 AM	57.6	53.7	3.9	2.0	-	58.6	45.2	13.4
05:40 AM - 05:45 AM	51.5	51.4	0.1	7.0	-	47.5	45.7	1.8
05:45 AM - 05:50 AM	51.0	50.7	0.3	7.0	-	47.0	45.1	1.9
05:50 AM - 05:55 AM	50.3	49.9	0.4	7.0	-	46.3	46.3	0.0
05:55 AM - 06:00 AM	52.8	50.2	2.6	3.0	-	52.8	46.1	6.7
06:00 AM - 07:00 AM	50.5	48.0	2.5	3.0	47.5	-	44.8	2.7
07:00 AM - 08:00 AM	50.4	48.0	2.4	4.5	45.9	-	45.0	0.9
08:00 AM - 09:00 AM	52.3	48.6	3.7	2.0	50.3	-	43.0	7.3
09:00 AM - 10:00 AM	55.7	51.1	4.6	1.5	54.2	-	42.3	11.9
10:00 AM - 11:00 AM	52.8	44.2	8.6	0.5	52.3	-	41.0	11.3
11:00 AM - 12:00 PM	47.3	43.9	3.4	3.0	44.3	-	40.1	4.2
ค่ามาตรฐาน								≤ 10

ค่ามาตรฐาน

≤ 10

Reference Method : ISO 1996-1

### มาตรฐาน

- ประกาศกระทรวงอุตสาหกรรม เรื่อง กำหนดค่าระดับเสียงการรบกวนและระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548
  - ประกาศกรมโรงงานอุตสาหกรรม เรื่อง วิธีการตรวจวัดระดับเสียงรบกวน ระดับเสียงเฉลี่ย 24 ชั่วโมง และระดับเสียงสูงสุดที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2553
  - ประกาศกระทรวงสาธารณสุข เรื่อง กำหนดค่ามาตรฐานมลพิษทางเสียงอันเกิดจากการประกอบกิจการที่เป็นอันตรายต่อสุขภาพ พ.ศ. 2561
- ระดับเสียงจากแหล่งกำเนิด ทำการตรวจวัด วันที่ 20-21 ธันวาคม 2565  
ระดับเสียงพื้นฐานและระดับเสียงขณะไม่มีการรบกวน (Sample No.22144028-16 วันที่ตรวจวัด 20-21 ธันวาคม 2565)

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Approved by

Wilawan Borirak  
Assistant Manager



## Analysis / Test Report

TESTING  
No.0042

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

Lot ID: 22144026  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report Number : 2535164-1

P/O : RJN-BW-012/65

Project Name : Chonburi Bowin

Project Location :

Page 1 of 3

Sample No. 22144026-17  
Parameter เสียงรบกวน  
Location N3 : หมู่บ้านไข่มุก 5  
Measurement Date Dec 21 - 22, 2022  
Measurement by Jaradrawee Sriuksa  
Sound Level Meter 00472127

### ระดับเสียง (dB(A))

เวลา	เสียงจาก แหล่งกำเนิด <sup>(A)</sup>	เสียงขณะ ไม่มีการรบกวน <sup>(B)</sup>	ผลต่าง ระดับเสียง <sup>(A-B)</sup>	ตัวปรับค่า <sup>(C)</sup>	ปรับค่าเสียงจากแหล่งกำเนิด <sup>(B)</sup>		เสียงพื้นฐาน <sup>(E)</sup>	ค่าระดับ การรบกวน <sup>(D-E)</sup>
					กลางวัน <sup>(A-C)</sup>	กลางคืน <sup>(A-C)+3</sup>		
12:00 PM - 01:00 PM	48.9	44.1	4.8	1.5	47.4	-	40.1	7.3
01:00 PM - 02:00 PM	46.6	43.1	3.5	2.0	44.6	-	39.7	4.9
02:00 PM - 03:00 PM	61.0	49.1	11.9	0.5	60.5	-	39.5	21.0
03:00 PM - 04:00 PM	47.1	43.4	3.7	2.0	45.1	-	39.6	5.5
04:00 PM - 05:00 PM	51.3	45.1	6.2	1.5	49.8	-	40.2	9.6
05:00 PM - 06:00 PM	58.0	52.5	5.5	1.5	56.5	-	43.4	13.1
06:00 PM - 07:00 PM	51.8	50.2	1.6	4.5	47.3	-	48.4	-1.1
07:00 PM - 08:00 PM	52.3	49.0	3.3	3.0	49.3	-	46.7	2.6
08:00 PM - 09:00 PM	56.0	50.4	5.6	1.5	54.5	-	45.8	8.7
09:00 PM - 10:00 PM	48.3	46.5	1.8	4.5	43.8	-	44.9	-1.1
10:00 PM - 10:05 PM	47.5	46.2	1.3	7.0	-	43.5	44.8	-1.3
10:05 PM - 10:10 PM	48.2	45.5	2.7	3.0	-	48.2	44.4	3.8
10:10 PM - 10:15 PM	46.9	45.5	1.4	7.0	-	42.9	44.4	-1.5
10:15 PM - 10:20 PM	45.9	45.4	0.5	7.0	-	41.9	44.1	-2.2
10:20 PM - 10:25 PM	45.8	45.2	0.6	7.0	-	41.8	44.1	-2.3
10:25 PM - 10:30 PM	45.6	46.8	-1.2	7.0	-	41.6	44.3	-2.7
10:30 PM - 10:35 PM	46.2	45.9	0.3	7.0	-	42.2	44.9	-2.7
10:35 PM - 10:40 PM	45.6	45.8	-0.2	7.0	-	41.6	44.9	-3.3
10:40 PM - 10:45 PM	46.0	45.6	0.4	7.0	-	42.0	44.8	-2.8
10:45 PM - 10:50 PM	45.9	45.7	0.2	7.0	-	41.9	44.8	-2.9
10:50 PM - 10:55 PM	46.3	45.9	0.4	7.0	-	42.3	44.8	-2.5
10:55 PM - 11:00 PM	46.3	45.7	0.6	7.0	-	42.3	44.5	-2.2
11:00 PM - 11:05 PM	46.4	45.8	0.6	7.0	-	42.4	44.9	-2.5
11:05 PM - 11:10 PM	45.8	45.3	0.5	7.0	-	41.8	44.6	-2.8
11:10 PM - 11:15 PM	46.0	45.0	1.0	7.0	-	42.0	44.2	-2.2
11:15 PM - 11:20 PM	45.9	44.7	1.2	7.0	-	41.9	44.0	-2.1
11:20 PM - 11:25 PM	45.8	45.2	0.6	7.0	-	41.8	44.2	-2.4
11:25 PM - 11:30 PM	46.2	45.2	1.0	7.0	-	42.2	44.2	-2.0
11:30 PM - 11:35 PM	45.6	46.2	-0.6	7.0	-	41.6	44.2	-2.6
11:35 PM - 11:40 PM	48.4	45.3	3.1	3.0	-	48.4	44.3	4.1
11:40 PM - 11:45 PM	45.4	45.5	-0.1	7.0	-	41.4	43.8	-2.4
11:45 PM - 11:50 PM	46.0	44.4	1.6	4.5	-	44.5	43.5	1.0
11:50 PM - 11:55 PM	45.4	45.6	-0.2	7.0	-	41.4	43.6	-2.2
11:55 PM - 12:00 AM	45.9	46.1	-0.2	7.0	-	41.9	44.2	-2.3
12:00 AM - 12:05 AM	45.2	45.2	0.0	7.0	-	41.2	44.2	-3.0
12:05 AM - 12:10 AM	45.3	44.8	0.5	7.0	-	41.3	43.7	-2.4
12:10 AM - 12:15 AM	45.0	44.7	0.3	7.0	-	41.0	44.0	-3.0
12:15 AM - 12:20 AM	44.1	44.4	-0.3	7.0	-	40.1	43.5	-3.4
12:20 AM - 12:25 AM	46.6	45.0	1.6	4.5	-	45.1	42.2	2.9
12:25 AM - 12:30 AM	46.6	44.0	2.6	3.0	-	46.6	42.9	3.7

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Approved by

Wilawan Borirak  
Assistant Manager



## Analysis / Test Report

TESTING  
No.0042

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

Lot ID: 22144026  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report Number : 2535164-1

P/O : RJN-BW-012/65  
Project Name : Chonburi Bowin  
Project Location :

Page 2 of 3

Sample No. 22144026-17  
Parameter เสียงรบกวน  
Location N3 : หมู่บ้านไข่มุก 5  
Measurement Date Dec 21 - 22, 2022  
Measurement by Jaradrawee Sriuksa  
Sound Level Meter 00472127

### ระดับเสียง (dB(A))

เวลา	เสียงจาก แหล่งกำเนิด (A)	เสียงขณะ ไม่มีการรบกวน (B)	ผลต่าง ระดับเสียง (A-B)	ตัวปรับค่า (C)	ปรับค่าเสียงจากแหล่งกำเนิด (D)		เสียงพื้นฐาน (E)	ค่าระดับ การรบกวน (D-E)
					กลางวัน (A-C)	กลางคืน (A-C)+3		
12:30 AM - 12:35 AM	44.6	44.1	0.5	7.0	-	40.6	43.4	-2.8
12:35 AM - 12:40 AM	45.2	45.0	0.2	7.0	-	41.2	43.7	-2.5
12:40 AM - 12:45 AM	44.9	44.2	0.7	7.0	-	40.9	43.3	-2.4
12:45 AM - 12:50 AM	44.9	44.4	0.5	7.0	-	40.9	43.5	-2.6
12:50 AM - 12:55 AM	44.7	44.7	0.0	7.0	-	40.7	43.4	-2.7
12:55 AM - 01:00 AM	45.0	44.8	0.2	7.0	-	41.0	43.2	-2.2
01:00 AM - 01:05 AM	45.9	44.3	1.6	4.5	-	44.4	42.7	1.7
01:05 AM - 01:10 AM	45.4	43.4	2.0	4.5	-	43.9	42.6	1.3
01:10 AM - 01:15 AM	46.1	44.1	2.0	4.5	-	44.6	42.6	2.0
01:15 AM - 01:20 AM	46.2	43.9	2.3	4.5	-	44.7	42.8	1.9
01:20 AM - 01:25 AM	46.0	43.1	2.9	3.0	-	46.0	42.3	3.7
01:25 AM - 01:30 AM	45.7	44.1	1.6	4.5	-	44.2	42.7	1.5
01:30 AM - 01:35 AM	45.9	44.2	1.7	4.5	-	44.4	42.9	1.5
01:35 AM - 01:40 AM	46.1	44.0	2.1	4.5	-	44.6	42.9	1.7
01:40 AM - 01:45 AM	45.5	44.3	1.2	7.0	-	41.5	42.8	-1.3
01:45 AM - 01:50 AM	58.6	55.3	3.3	3.0	-	58.6	44.2	14.4
01:50 AM - 01:55 AM	72.4	56.9	15.5	0.0	-	75.4	47.0	28.4
01:55 AM - 02:00 AM	72.3	43.4	28.9	0.0	-	75.3	42.2	33.1
02:00 AM - 02:05 AM	44.9	42.7	2.2	4.5	-	43.4	42.2	1.2
02:05 AM - 02:10 AM	44.9	43.0	1.9	4.5	-	43.4	42.1	1.3
02:10 AM - 02:15 AM	44.9	43.3	1.6	4.5	-	43.4	42.5	0.9
02:15 AM - 02:20 AM	45.0	43.3	1.7	4.5	-	43.5	42.5	1.0
02:20 AM - 02:25 AM	46.0	43.4	2.6	3.0	-	46.0	42.3	3.7
02:25 AM - 02:30 AM	44.9	43.8	1.1	7.0	-	40.9	42.7	-1.8
02:30 AM - 02:35 AM	45.8	43.6	2.2	4.5	-	44.3	42.6	1.7
02:35 AM - 02:40 AM	45.4	43.7	1.7	4.5	-	43.9	43.1	0.8
02:40 AM - 02:45 AM	45.4	44.2	1.2	7.0	-	41.4	42.7	-1.3
02:45 AM - 02:50 AM	45.6	44.4	1.2	7.0	-	41.6	43.2	-1.6
02:50 AM - 02:55 AM	46.3	44.7	1.6	4.5	-	44.8	44.0	0.8
02:55 AM - 03:00 AM	46.0	45.2	0.8	7.0	-	42.0	44.5	-2.5
03:00 AM - 03:05 AM	46.2	45.8	0.4	7.0	-	42.2	44.7	-2.5
03:05 AM - 03:10 AM	46.2	45.4	0.8	7.0	-	42.2	44.6	-2.4
03:10 AM - 03:15 AM	46.3	45.5	0.8	7.0	-	42.3	44.6	-2.3
03:15 AM - 03:20 AM	46.5	45.1	1.4	7.0	-	42.5	44.6	-2.1
03:20 AM - 03:25 AM	46.2	45.3	0.9	7.0	-	42.2	44.6	-2.4
03:25 AM - 03:30 AM	46.2	45.8	0.4	7.0	-	42.2	45.1	-2.9
03:30 AM - 03:35 AM	46.2	46.0	0.2	7.0	-	42.2	45.3	-3.1
03:35 AM - 03:40 AM	46.0	45.3	0.7	7.0	-	42.0	44.8	-2.8
03:40 AM - 03:45 AM	46.5	45.3	1.2	7.0	-	42.5	44.7	-2.2
03:45 AM - 03:50 AM	46.5	45.8	0.7	7.0	-	42.5	45.1	-2.6

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Approved by

Wilawan Borirak  
Assistant Manager



## Analysis / Test Report

TESTING  
No.0042

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

Lot ID: 22144026  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report Number : 2535164-1

P/O : RJN-BW-012/65

Project Name : Chonburi Bowin

Project Location :

Page 3 of 3

Sample No. 22144026-17  
Parameter เสียงรบกวน  
Location N3 : หมู่บ้านไข่มุก 5  
Measurement Date Dec 21 - 22, 2022  
Measurement by Jaradrawee Sriruksa  
Sound Level Meter 00472127

### ระดับเสียง (dB(A))

เวลา	เสียงจากแหล่งกำเนิด (A)	เสียงขณะไม่มีการรบกวน (B)	ผลต่างระดับเสียง (A-B)	ตัวปรับค่า (C)	ปรับค่าเสียงจากแหล่งกำเนิด (D)		เสียงพื้นฐาน (E)	ค่าระดับการรบกวน (D-E)
					กลางวัน (A-C)	กลางคืน (A-C)+3		
03:50 AM - 03:55 AM	46.4	45.8	0.6	7.0	-	42.4	45.2	-2.8
03:55 AM - 04:00 AM	46.2	45.7	0.5	7.0	-	42.2	45.1	-2.9
04:00 AM - 04:05 AM	46.7	45.7	1.0	7.0	-	42.7	45.1	-2.4
04:05 AM - 04:10 AM	46.3	45.7	0.6	7.0	-	42.3	44.7	-2.4
04:10 AM - 04:15 AM	51.9	52.3	-0.4	7.0	-	47.9	45.2	2.7
04:15 AM - 04:20 AM	56.4	47.4	9.0	0.5	-	58.9	44.8	14.1
04:20 AM - 04:25 AM	44.9	45.9	-1.0	7.0	-	40.9	44.9	-4.0
04:25 AM - 04:30 AM	46.3	45.5	0.8	7.0	-	42.3	44.7	-2.4
04:30 AM - 04:35 AM	47.0	45.3	1.7	4.5	-	45.5	44.5	1.0
04:35 AM - 04:40 AM	47.3	45.5	1.8	4.5	-	45.8	44.6	1.2
04:40 AM - 04:45 AM	47.0	45.1	1.9	4.5	-	45.5	44.5	1.0
04:45 AM - 04:50 AM	46.7	45.4	1.3	7.0	-	42.7	44.8	-2.1
04:50 AM - 04:55 AM	47.1	45.5	1.6	4.5	-	45.6	44.7	0.9
04:55 AM - 05:00 AM	47.6	45.4	2.2	4.5	-	46.1	44.8	1.3
05:00 AM - 05:05 AM	46.9	45.7	1.2	7.0	-	42.9	45.1	-2.2
05:05 AM - 05:10 AM	46.1	45.6	0.5	7.0	-	42.1	44.8	-2.7
05:10 AM - 05:15 AM	46.7	45.5	1.2	7.0	-	42.7	44.7	-2.0
05:15 AM - 05:20 AM	46.5	45.6	0.9	7.0	-	42.5	44.8	-2.3
05:20 AM - 05:25 AM	47.8	45.9	1.9	4.5	-	46.3	44.7	1.6
05:25 AM - 05:30 AM	47.0	46.3	0.7	7.0	-	43.0	44.5	-1.5
05:30 AM - 05:35 AM	51.9	52.3	-0.4	7.0	-	47.9	44.5	3.4
05:35 AM - 05:40 AM	57.7	52.8	4.9	1.5	-	59.2	44.6	14.6
05:40 AM - 05:45 AM	55.4	49.5	5.9	1.5	-	56.9	44.5	12.4
05:45 AM - 05:50 AM	52.4	48.4	4.0	2.0	-	53.4	44.6	8.8
05:50 AM - 05:55 AM	51.3	46.4	4.9	1.5	-	52.8	44.3	8.5
05:55 AM - 06:00 AM	52.3	48.3	4.0	2.0	-	53.3	44.3	9.0
06:00 AM - 07:00 AM	50.9	47.7	3.2	3.0	47.9	-	44.6	3.3
07:00 AM - 08:00 AM	52.4	47.3	5.1	1.5	50.9	-	44.3	6.6
08:00 AM - 09:00 AM	50.7	46.6	4.1	2.0	48.7	-	43.1	5.6
09:00 AM - 10:00 AM	54.9	47.1	7.8	0.5	54.4	-	43.1	11.3
10:00 AM - 11:00 AM	49.7	44.8	4.9	1.5	48.2	-	41.5	6.7
11:00 AM - 12:00 PM	55.0	44.5	10.5	0.5	54.5	-	39.7	14.8

ค่ามาตรฐาน

≤ 10

Reference Method : ISO 1996-1

### มาตรฐาน

- ประกาศกระทรวงอุตสาหกรรม เรื่อง กำหนดค่าระดับเสียงการรบกวนและระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548
  - ประกาศกรมโรงงานอุตสาหกรรม เรื่อง วิธีการตรวจวัดระดับเสียงรบกวน ระดับเสียงเฉลี่ย 24 ชั่วโมง และระดับเสียงสูงสุดที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2553
  - ประกาศกระทรวงสาธารณสุข เรื่อง กำหนดค่ามาตรฐานมลพิษทางเสียงอันเกิดจากการประกอบกิจการที่เป็นอันตรายต่อสุขภาพ พ.ศ. 2561
- ระดับเสียงจากแหล่งกำเนิด ทำการตรวจวัด วันที่ 21-22 ธันวาคม 2565  
ระดับเสียงพื้นฐานและระดับเสียงขณะไม่มีการรบกวน (Sample No.22144028-17 วันที่ตรวจวัด 21-22 ธันวาคม 2565)

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Approved by

Wilawan Borirak  
Assistant Manager



## Analysis / Test Report

TESTING  
No.0042

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

Lot ID: 22144026  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report Number : 2535165-1

P/O : RJN-BW-012/65  
Project Name : Chonburi Bowin  
Project Location :

Page 1 of 3

Sample No. 22144026-18  
Parameter เสียงรบกวน  
Location N3 : หมู่บ้านไข่มุก 5  
Measurement Date Dec 22 - 23, 2022  
Measurement by Jaradrawee Sriruksa  
Sound Level Meter 00472127

### ระดับเสียง (dB(A))

เวลา	เสียงจาก แหล่งกำเนิด <sup>(A)</sup>	เสียงขณะ ไม่มีการรบกวน <sup>(B)</sup>	ผลต่าง ระดับเสียง <sup>(A-B)</sup>	ตัวปรับค่า <sup>(C)</sup>	ปรับค่าเสียงจากแหล่งกำเนิด <sup>(B)</sup>		เสียงพื้นฐาน <sup>(E)</sup>	ค่าระดับ การรบกวน <sup>(D-E)</sup>
					กลางวัน <sup>(A-C)</sup>	กลางคืน <sup>(A-C)+3</sup>		
12:00 PM - 01:00 PM	52.0	46.9	5.1	1.5	50.5	-	38.5	12.0
01:00 PM - 02:00 PM	59.6	48.9	10.7	0.5	59.1	-	38.0	21.1
02:00 PM - 03:00 PM	50.1	42.9	7.2	1.0	49.1	-	36.2	12.9
03:00 PM - 04:00 PM	46.3	41.5	4.8	1.5	44.8	-	37.2	7.6
04:00 PM - 05:00 PM	50.2	46.0	4.2	2.0	48.2	-	39.1	9.1
05:00 PM - 06:00 PM	55.8	50.0	5.8	1.5	54.3	-	43.7	10.6
06:00 PM - 07:00 PM	52.2	49.5	2.7	3.0	49.2	-	48.5	0.7
07:00 PM - 08:00 PM	52.2	48.3	3.9	2.0	50.2	-	46.8	3.4
08:00 PM - 09:00 PM	55.8	51.3	4.5	1.5	54.3	-	45.5	8.8
09:00 PM - 10:00 PM	48.5	46.5	2.0	4.5	44.0	-	45.2	-1.2
10:00 PM - 10:05 PM	47.1	45.2	1.9	4.5	-	45.6	44.4	1.2
10:05 PM - 10:10 PM	47.0	46.1	0.9	7.0	-	43.0	44.7	-1.7
10:10 PM - 10:15 PM	48.6	45.3	3.3	3.0	-	48.6	44.0	4.6
10:15 PM - 10:20 PM	47.7	45.2	2.5	3.0	-	47.7	43.9	3.8
10:20 PM - 10:25 PM	47.1	45.1	2.0	4.5	-	45.6	44.4	1.2
10:25 PM - 10:30 PM	47.2	45.4	1.8	4.5	-	45.7	44.2	1.5
10:30 PM - 10:35 PM	47.4	45.0	2.4	4.5	-	45.9	44.3	1.6
10:35 PM - 10:40 PM	46.7	45.0	1.7	4.5	-	45.2	44.3	0.9
10:40 PM - 10:45 PM	47.5	44.7	2.8	3.0	-	47.5	43.8	3.7
10:45 PM - 10:50 PM	47.2	44.4	2.8	3.0	-	47.2	43.7	3.5
10:50 PM - 10:55 PM	47.0	44.9	2.1	4.5	-	45.5	43.3	2.2
10:55 PM - 11:00 PM	46.6	44.1	2.5	3.0	-	46.6	43.4	3.2
11:00 PM - 11:05 PM	46.7	44.6	2.1	4.5	-	45.2	43.8	1.4
11:05 PM - 11:10 PM	46.8	44.4	2.4	4.5	-	45.3	43.7	1.6
11:10 PM - 11:15 PM	46.5	45.4	1.1	7.0	-	42.5	43.8	-1.3
11:15 PM - 11:20 PM	46.4	44.5	1.9	4.5	-	44.9	43.5	1.4
11:20 PM - 11:25 PM	46.7	45.8	0.9	7.0	-	42.7	43.5	-0.8
11:25 PM - 11:30 PM	51.7	47.3	4.4	2.0	-	52.7	43.6	9.1
11:30 PM - 11:35 PM	47.3	44.6	2.7	3.0	-	47.3	43.9	3.4
11:35 PM - 11:40 PM	46.3	44.6	1.7	4.5	-	44.8	43.8	1.0
11:40 PM - 11:45 PM	45.9	44.3	1.6	4.5	-	44.4	43.6	0.8
11:45 PM - 11:50 PM	45.8	44.5	1.3	7.0	-	41.8	43.7	-1.9
11:50 PM - 11:55 PM	46.0	44.1	1.9	4.5	-	44.5	43.3	1.2
11:55 PM - 12:00 AM	46.4	44.1	2.3	4.5	-	44.9	43.2	1.7
12:00 AM - 12:05 AM	46.2	44.3	1.9	4.5	-	44.7	43.4	1.3
12:05 AM - 12:10 AM	46.4	43.6	2.8	3.0	-	46.4	42.8	3.6
12:10 AM - 12:15 AM	46.5	43.6	2.9	3.0	-	46.5	42.4	4.1
12:15 AM - 12:20 AM	46.7	44.4	2.3	4.5	-	45.2	42.9	2.3
12:20 AM - 12:25 AM	46.7	44.8	1.9	4.5	-	45.2	42.9	2.3
12:25 AM - 12:30 AM	46.5	45.4	1.1	7.0	-	42.5	42.9	-0.4

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Approved by

Wilawan Borirak  
Assistant Manager



## Analysis / Test Report

TESTING  
No.0042

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

Lot ID: 22144026  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report Number : 2535165-1

P/O : RJN-BW-012/65

Project Name : Chonburi Bowin

Project Location :

Page 2 of 3

Sample No. 22144026-18  
Parameter เสียงรบกวน  
Location N3 : หมู่บ้านไข่มุก 5  
Measurement Date Dec 22 - 23, 2022  
Measurement by Jaradrawee Sriuksa  
Sound Level Meter 00472127

### ระดับเสียง (dB(A))

เวลา	เสียงจาก แหล่งกำเนิด (A)	เสียงขณะ ไม่มีการรบกวน (B)	ผลต่าง ระดับเสียง (A-B)	ตัวปรับค่า (C)	ปรับค่าเสียงจากแหล่งกำเนิด (D)		เสียงพื้นฐาน (E)	ค่าระดับ การรบกวน (D-E)
					กลางวัน (A-C)	กลางคืน (A-C)+3		
12:30 AM - 12:35 AM	46.4	44.4	2.0	4.5	-	44.9	42.6	2.3
12:35 AM - 12:40 AM	46.1	44.1	2.0	4.5	-	44.6	43.2	1.4
12:40 AM - 12:45 AM	46.7	44.6	2.1	4.5	-	45.2	43.4	1.8
12:45 AM - 12:50 AM	48.8	43.9	4.9	1.5	-	50.3	42.8	7.5
12:50 AM - 12:55 AM	48.0	43.4	4.6	1.5	-	49.5	42.6	6.9
12:55 AM - 01:00 AM	45.9	43.3	2.6	3.0	-	45.9	42.3	3.6
01:00 AM - 01:05 AM	45.9	43.6	2.3	4.5	-	44.4	42.5	1.9
01:05 AM - 01:10 AM	46.0	44.5	1.5	4.5	-	44.5	42.7	1.8
01:10 AM - 01:15 AM	47.0	44.7	2.3	4.5	-	45.5	43.3	2.2
01:15 AM - 01:20 AM	45.8	46.8	-1.0	7.0	-	41.8	43.1	-1.3
01:20 AM - 01:25 AM	45.7	43.9	1.8	4.5	-	44.2	42.8	1.4
01:25 AM - 01:30 AM	46.0	43.7	2.3	4.5	-	44.5	42.9	1.6
01:30 AM - 01:35 AM	47.4	44.2	3.2	3.0	-	47.4	43.1	4.3
01:35 AM - 01:40 AM	46.2	44.3	1.9	4.5	-	44.7	43.0	1.7
01:40 AM - 01:45 AM	45.5	44.5	1.0	7.0	-	41.5	42.8	-1.3
01:45 AM - 01:50 AM	45.4	44.2	1.2	7.0	-	41.4	42.8	-1.4
01:50 AM - 01:55 AM	45.8	44.5	1.3	7.0	-	41.8	42.6	-0.8
01:55 AM - 02:00 AM	71.0	56.7	14.3	0.0	-	74.0	44.1	29.9
02:00 AM - 02:05 AM	64.3	56.8	7.5	0.5	-	66.8	46.6	20.2
02:05 AM - 02:10 AM	70.6	43.2	27.4	0.0	-	73.6	42.0	31.6
02:10 AM - 02:15 AM	45.4	43.1	2.3	4.5	-	43.9	42.1	1.8
02:15 AM - 02:20 AM	45.8	44.7	1.1	7.0	-	41.8	42.5	-0.7
02:20 AM - 02:25 AM	45.8	45.1	0.7	7.0	-	41.8	42.8	-1.0
02:25 AM - 02:30 AM	45.7	43.3	2.4	4.5	-	44.2	42.4	1.8
02:30 AM - 02:35 AM	45.4	43.7	1.7	4.5	-	43.9	42.9	1.0
02:35 AM - 02:40 AM	54.2	52.2	2.0	4.5	-	52.7	42.5	10.2
02:40 AM - 02:45 AM	55.0	46.2	8.8	0.5	-	57.5	42.4	15.1
02:45 AM - 02:50 AM	47.6	44.0	3.6	2.0	-	48.6	43.4	5.2
02:50 AM - 02:55 AM	46.9	44.6	2.3	4.5	-	45.4	43.6	1.8
02:55 AM - 03:00 AM	46.5	44.2	2.3	4.5	-	45.0	43.3	1.7
03:00 AM - 03:05 AM	46.2	43.9	2.3	4.5	-	44.7	43.2	1.5
03:05 AM - 03:10 AM	48.2	45.7	2.5	3.0	-	48.2	43.5	4.7
03:10 AM - 03:15 AM	47.5	45.3	2.2	4.5	-	46.0	43.8	2.2
03:15 AM - 03:20 AM	47.6	46.1	1.5	4.5	-	46.1	44.7	1.4
03:20 AM - 03:25 AM	48.8	46.6	2.2	4.5	-	47.3	44.5	2.8
03:25 AM - 03:30 AM	47.5	45.1	2.4	4.5	-	46.0	44.0	2.0
03:30 AM - 03:35 AM	47.2	44.4	2.8	3.0	-	47.2	43.7	3.5
03:35 AM - 03:40 AM	47.0	44.7	2.3	4.5	-	45.5	43.8	1.7
03:40 AM - 03:45 AM	46.7	44.5	2.2	4.5	-	45.2	43.6	1.6
03:45 AM - 03:50 AM	46.8	44.3	2.5	3.0	-	46.8	43.3	3.5

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Approved by

Wilawan Borirak  
Assistant Manager





## Analysis / Test Report

TESTING  
No.0042

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

Lot ID: 22144026  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report Number : 2535165-1

P/O : RJN-BW-012/65

Project Name : Chonburi Bowin

Project Location :

Page 3 of 3

Sample No. 22144026-18  
Parameter เสียงรบกวน  
Location N3 : หมู่บ้านไข่มุก 5  
Measurement Date Dec 22 - 23, 2022  
Measurement by Jaradrawee Sriruksa  
Sound Level Meter 00472127

### ระดับเสียง (dB(A))

เวลา	เสียงจากแหล่งกำเนิด (A)	เสียงขณะไม่มีการรบกวน (B)	ผลต่างระดับเสียง (A-B)	ตัวปรับค่า (C)	ปรับค่าเสียงจากแหล่งกำเนิด (D)		เสียงพื้นฐาน (E)	ค่าระดับการรบกวน (D-E)
					กลางวัน (A-C)	กลางคืน (A-C)+3		
03:50 AM - 03:55 AM	46.5	44.3	2.2	4.5	-	45.0	43.4	1.6
03:55 AM - 04:00 AM	46.9	46.1	0.8	7.0	-	42.9	43.8	-0.9
04:00 AM - 04:05 AM	51.0	45.8	5.2	1.5	-	52.5	44.1	8.4
04:05 AM - 04:10 AM	46.7	44.1	2.6	3.0	-	46.7	43.0	3.7
04:10 AM - 04:15 AM	46.2	44.0	2.2	4.5	-	44.7	43.3	1.4
04:15 AM - 04:20 AM	49.7	46.8	2.9	3.0	-	49.7	43.7	6.0
04:20 AM - 04:25 AM	47.9	45.7	2.2	4.5	-	46.4	43.5	2.9
04:25 AM - 04:30 AM	47.9	45.8	2.1	4.5	-	46.4	43.9	2.5
04:30 AM - 04:35 AM	48.7	49.8	-1.1	7.0	-	44.7	43.8	0.9
04:35 AM - 04:40 AM	55.9	52.1	3.8	2.0	-	56.9	43.8	13.1
04:40 AM - 04:45 AM	54.1	49.3	4.8	1.5	-	55.6	44.3	11.3
04:45 AM - 04:50 AM	49.8	45.5	4.3	2.0	-	50.8	44.0	6.8
04:50 AM - 04:55 AM	46.5	45.5	1.0	7.0	-	42.5	44.2	-1.7
04:55 AM - 05:00 AM	47.0	45.2	1.8	4.5	-	45.5	44.0	1.5
05:00 AM - 05:05 AM	46.5	47.0	-0.5	7.0	-	42.5	44.0	-1.5
05:05 AM - 05:10 AM	54.0	50.0	4.0	2.0	-	55.0	44.1	10.9
05:10 AM - 05:15 AM	51.8	48.1	3.7	2.0	-	52.8	43.1	9.7
05:15 AM - 05:20 AM	55.3	52.4	2.9	3.0	-	55.3	43.3	12.0
05:20 AM - 05:25 AM	54.0	47.9	6.1	1.5	-	55.5	43.9	11.6
05:25 AM - 05:30 AM	47.4	44.4	3.0	3.0	-	47.4	43.0	4.4
05:30 AM - 05:35 AM	46.8	44.7	2.1	4.5	-	45.3	43.2	2.1
05:35 AM - 05:40 AM	46.0	44.4	1.6	4.5	-	44.5	43.1	1.4
05:40 AM - 05:45 AM	45.3	48.8	-3.5	7.0	-	41.3	43.6	-2.3
05:45 AM - 05:50 AM	57.1	51.2	5.9	1.5	-	58.6	43.5	15.1
05:50 AM - 05:55 AM	52.0	48.9	3.1	3.0	-	52.0	43.7	8.3
05:55 AM - 06:00 AM	53.8	47.7	6.1	1.5	-	55.3	43.9	11.4
06:00 AM - 07:00 AM	54.1	50.1	4.0	2.0	52.1	-	44.2	7.9
07:00 AM - 08:00 AM	50.9	48.2	2.7	3.0	47.9	-	42.5	5.4
08:00 AM - 09:00 AM	50.5	42.4	8.1	0.5	50.0	-	39.3	10.7
09:00 AM - 10:00 AM	54.3	45.4	8.9	0.5	53.8	-	38.6	15.2
10:00 AM - 11:00 AM	49.3	42.0	7.3	1.0	48.3	-	37.9	10.4
11:00 AM - 12:00 PM	46.1	41.8	4.3	2.0	44.1	-	36.3	7.8

ค่ามาตรฐาน

≤ 10

Reference Method : ISO 1996-1

### มาตรฐาน

- ประกาศกระทรวงอุตสาหกรรม เรื่อง กำหนดค่าระดับเสียงการรบกวนและระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548
  - ประกาศกรมโรงงานอุตสาหกรรม เรื่อง วิธีการตรวจวัดระดับเสียงรบกวน ระดับเสียงเฉลี่ย 24 ชั่วโมง และระดับเสียงสูงสุดที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2553
  - ประกาศกระทรวงสาธารณสุข เรื่อง กำหนดค่ามาตรฐานมลพิษทางเสียงอันเกิดจากการประกอบกิจการที่เป็นอันตรายต่อสุขภาพ พ.ศ. 2561
- ระดับเสียงจากแหล่งกำเนิด ทำการตรวจวัด วันที่ 22-23 ธันวาคม 2565  
ระดับเสียงพื้นฐานและระดับเสียงขณะไม่มีการรบกวน (Sample No.22144028-18 วันที่ตรวจวัด 22-23 ธันวาคม 2565)

The above results are valid only for the analyzed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

Approved by

Wilawan Borirak  
Assistant Manager





## Analysis / Test Report

TESTING  
No.0042

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

Lot ID: 22144026  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report Number : 2535166-1

P/O : RJN-BW-012/65

Project Name : Chonburi Bowin

Project Location :

Page 1 of 3

Sample No. 22144026-19  
Parameter เสียงรบกวน  
Location N3 : หมู่บ้านไข่มุก 5  
Measurement Date Dec 23 - 24, 2022  
Measurement by Jaradrawee Sriuksa  
Sound Level Meter 00472127

### ระดับเสียง (dB(A))

เวลา	เสียงจาก แหล่งกำเนิด <sup>(A)</sup>	เสียงขณะ ไม่มีการรบกวน <sup>(B)</sup>	ผลต่าง ระดับเสียง <sup>(A-B)</sup>	ตัวปรับค่า <sup>(C)</sup>	ปรับค่าเสียงจากแหล่งกำเนิด <sup>(B)</sup>		เสียงพื้นฐาน <sup>(E)</sup>	ค่าระดับ การรบกวน <sup>(D-E)</sup>
					กลางวัน <sup>(A-C)</sup>	กลางคืน <sup>(A-C)+3</sup>		
12:00 PM - 01:00 PM	52.2	52.3	-0.1	7.0	45.2	-	36.2	9.0
01:00 PM - 02:00 PM	46.7	56.1	-9.4	7.0	39.7	-	36.9	2.8
02:00 PM - 03:00 PM	58.7	43.2	15.5	0.0	58.7	-	37.6	21.1
03:00 PM - 04:00 PM	47.3	44.5	2.8	3.0	44.3	-	37.1	7.2
04:00 PM - 05:00 PM	52.0	45.0	7.0	1.0	51.0	-	39.7	11.3
05:00 PM - 06:00 PM	50.9	46.2	4.7	1.5	49.4	-	42.7	6.7
06:00 PM - 07:00 PM	52.5	51.1	1.4	7.0	45.5	-	49.1	-3.6
07:00 PM - 08:00 PM	50.9	48.3	2.6	3.0	47.9	-	45.4	2.5
08:00 PM - 09:00 PM	48.4	46.5	1.9	4.5	43.9	-	44.2	-0.3
09:00 PM - 10:00 PM	60.2	54.5	5.7	1.5	58.7	-	44.5	14.2
10:00 PM - 10:05 PM	47.5	45.4	2.1	4.5	-	46.0	44.0	2.0
10:05 PM - 10:10 PM	47.5	45.4	2.1	4.5	-	46.0	44.3	1.7
10:10 PM - 10:15 PM	47.1	45.5	1.6	4.5	-	45.6	44.3	1.3
10:15 PM - 10:20 PM	46.9	48.7	-1.8	7.0	-	42.9	44.0	-1.1
10:20 PM - 10:25 PM	55.6	58.2	-2.6	7.0	-	51.6	44.0	7.6
10:25 PM - 10:30 PM	62.5	45.3	17.2	0.0	-	65.5	43.6	21.9
10:30 PM - 10:35 PM	46.2	45.4	0.8	7.0	-	42.2	43.5	-1.3
10:35 PM - 10:40 PM	46.3	45.1	1.2	7.0	-	42.3	43.1	-0.8
10:40 PM - 10:45 PM	45.9	45.0	0.9	7.0	-	41.9	43.7	-1.8
10:45 PM - 10:50 PM	45.9	44.7	1.2	7.0	-	41.9	43.7	-1.8
10:50 PM - 10:55 PM	47.4	45.2	2.2	4.5	-	45.9	43.3	2.6
10:55 PM - 11:00 PM	45.3	44.9	0.4	7.0	-	41.3	44.0	-2.7
11:00 PM - 11:05 PM	46.0	45.3	0.7	7.0	-	42.0	44.3	-2.3
11:05 PM - 11:10 PM	46.1	44.3	1.8	4.5	-	44.6	43.1	1.5
11:10 PM - 11:15 PM	45.8	45.4	0.4	7.0	-	41.8	43.5	-1.7
11:15 PM - 11:20 PM	46.3	45.0	1.3	7.0	-	42.3	43.6	-1.3
11:20 PM - 11:25 PM	47.2	44.4	2.8	3.0	-	47.2	43.0	4.2
11:25 PM - 11:30 PM	45.9	44.6	1.3	7.0	-	41.9	43.3	-1.4
11:30 PM - 11:35 PM	46.4	44.2	2.2	4.5	-	44.9	43.4	1.5
11:35 PM - 11:40 PM	47.4	43.9	3.5	2.0	-	48.4	42.9	5.5
11:40 PM - 11:45 PM	47.4	44.9	2.5	3.0	-	47.4	43.4	4.0
11:45 PM - 11:50 PM	46.5	44.1	2.4	4.5	-	45.0	43.3	1.7
11:50 PM - 11:55 PM	45.9	43.6	2.3	4.5	-	44.4	42.7	1.7
11:55 PM - 12:00 AM	46.5	42.7	3.8	2.0	-	47.5	42.1	5.4
12:00 AM - 12:05 AM	45.6	43.2	2.4	4.5	-	44.1	42.3	1.8
12:05 AM - 12:10 AM	45.8	43.5	2.3	4.5	-	44.3	42.6	1.7
12:10 AM - 12:15 AM	45.9	43.1	2.8	3.0	-	45.9	42.4	3.5
12:15 AM - 12:20 AM	45.7	48.6	-2.9	7.0	-	41.7	42.8	-1.1
12:20 AM - 12:25 AM	53.7	45.0	8.7	0.5	-	56.2	43.0	13.2
12:25 AM - 12:30 AM	45.4	43.5	1.9	4.5	-	43.9	42.7	1.2

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Approved by

*Wilawan Borirak*

Wilawan Borirak  
Assistant Manager



# Analysis / Test Report

**TESTING**  
**No.0042**

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

Lot ID: 22144026  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report Number : 2535166-1

P/O : RJN-BW-012/65

Project Name : Chonburi Bowin

Project Location :

Sample No. 22144026-19  
Parameter เสียงรบกวน  
Location N3 : หมู่บ้านไข่มุก 5  
Measurement Date Dec 23 - 24, 2022  
Measurement by Jaradrawee Sriruksa  
Sound Level Meter 00472127

## ระดับเสียง (dB(A))

เวลา	(A) เสียงจากแหล่งกำเนิด	(B) เสียงขณะไม่มีการรบกวน	(A-B) ผลต่างระดับเสียง	(C) ตัวปรับค่า	(D) ปรับค่าเสียงจากแหล่งกำเนิด		(E) เสียงพื้นฐาน	(D-E) ค่าระดับการรบกวน
					(A-C) กลางวัน	(A-C)+3 กลางคืน		
12:30 AM - 12:35 AM	45.2	43.6	1.6	4.5	-	43.7	42.9	0.8
12:35 AM - 12:40 AM	46.3	43.4	2.9	3.0	-	46.3	42.4	3.9
12:40 AM - 12:45 AM	46.2	43.2	3.0	3.0	-	46.2	42.5	3.7
12:45 AM - 12:50 AM	46.1	43.2	2.9	3.0	-	46.1	42.3	3.8
12:50 AM - 12:55 AM	46.3	43.3	3.0	3.0	-	46.3	42.0	4.3
12:55 AM - 01:00 AM	45.9	43.1	2.8	3.0	-	45.9	42.0	3.9
01:00 AM - 01:05 AM	46.3	43.3	3.0	3.0	-	46.3	41.9	4.4
01:05 AM - 01:10 AM	48.0	45.5	2.5	3.0	-	48.0	42.1	5.9
01:10 AM - 01:15 AM	46.1	43.7	2.4	4.5	-	44.6	42.1	2.5
01:15 AM - 01:20 AM	46.5	43.5	3.0	3.0	-	46.5	41.9	4.6
01:20 AM - 01:25 AM	46.1	48.0	-1.9	7.0	-	42.1	41.7	0.4
01:25 AM - 01:30 AM	71.9	57.8	14.1	0.0	-	74.9	46.5	28.4
01:30 AM - 01:35 AM	62.5	47.0	15.5	0.0	-	65.5	41.3	24.2
01:35 AM - 01:40 AM	46.3	42.5	3.8	2.0	-	47.3	41.4	5.9
01:40 AM - 01:45 AM	45.4	42.5	2.9	3.0	-	45.4	41.4	4.0
01:45 AM - 01:50 AM	45.4	43.1	2.3	4.5	-	43.9	42.0	1.9
01:50 AM - 01:55 AM	45.2	42.9	2.3	4.5	-	43.7	41.7	2.0
01:55 AM - 02:00 AM	46.3	43.8	2.5	3.0	-	46.3	42.2	4.1
02:00 AM - 02:05 AM	46.1	42.6	3.5	2.0	-	47.1	41.7	5.4
02:05 AM - 02:10 AM	45.7	42.6	3.1	3.0	-	45.7	41.9	3.8
02:10 AM - 02:15 AM	45.7	43.0	2.7	3.0	-	45.7	42.0	3.7
02:15 AM - 02:20 AM	45.9	43.1	2.8	3.0	-	45.9	42.2	3.7
02:20 AM - 02:25 AM	46.3	43.2	3.1	3.0	-	46.3	42.3	4.0
02:25 AM - 02:30 AM	46.0	43.3	2.7	3.0	-	46.0	42.4	3.6
02:30 AM - 02:35 AM	46.2	44.6	1.6	4.5	-	44.7	42.6	2.1
02:35 AM - 02:40 AM	46.2	42.8	3.4	3.0	-	46.2	41.6	4.6
02:40 AM - 02:45 AM	46.3	43.7	2.6	3.0	-	46.3	42.3	4.0
02:45 AM - 02:50 AM	46.1	43.7	2.4	4.5	-	44.6	42.5	2.1
02:50 AM - 02:55 AM	46.4	43.5	2.9	3.0	-	46.4	42.3	4.1
02:55 AM - 03:00 AM	46.0	43.5	2.5	3.0	-	46.0	42.6	3.4
03:00 AM - 03:05 AM	45.9	44.2	1.7	4.5	-	44.4	42.8	1.6
03:05 AM - 03:10 AM	46.2	44.1	2.1	4.5	-	44.7	43.3	1.4
03:10 AM - 03:15 AM	46.2	44.2	2.0	4.5	-	44.7	43.3	1.4
03:15 AM - 03:20 AM	46.1	43.9	2.2	4.5	-	44.6	43.1	1.5
03:20 AM - 03:25 AM	46.1	44.1	2.0	4.5	-	44.6	43.2	1.4
03:25 AM - 03:30 AM	46.3	44.3	2.0	4.5	-	44.8	43.3	1.5
03:30 AM - 03:35 AM	46.4	44.2	2.2	4.5	-	44.9	43.1	1.8
03:35 AM - 03:40 AM	46.4	44.1	2.3	4.5	-	44.9	43.2	1.7
03:40 AM - 03:45 AM	46.5	44.4	2.1	4.5	-	45.0	43.3	1.7
03:45 AM - 03:50 AM	45.6	44.2	1.4	7.0	-	41.6	43.2	-1.6

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Approved by

*Wilawan Borirak*

Wilawan Borirak  
Assistant Manager



## Analysis / Test Report

TESTING  
No.0042

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

Lot ID: 22144026  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report Number : 2535166-1

P/O : RJN-BW-012/65

Project Name : Chonburi Bowin

Project Location :

Page 3 of 3

Sample No. 22144026-19  
Parameter เสียงรบกวน  
Location N3 : หมู่บ้านไข่มุก 5  
Measurement Date Dec 23 - 24, 2022  
Measurement by Jaradrawee Sriruksa  
Sound Level Meter 00472127

### ระดับเสียง (dB(A))

เวลา	เสียงจากแหล่งกำเนิด (A)	เสียงขณะไม่มีการรบกวน (B)	ผลต่างระดับเสียง (A-B)	ตัวปรับค่า (C)	ปรับค่าเสียงจากแหล่งกำเนิด (D)		เสียงพื้นฐาน (E)	ค่าระดับการรบกวน (D-E)
					กลางวัน (A-C)	กลางคืน (A-C)+3		
03:50 AM - 03:55 AM	45.1	44.5	0.6	7.0	-	41.1	43.4	-2.3
03:55 AM - 04:00 AM	45.4	44.6	0.8	7.0	-	41.4	43.2	-1.8
04:00 AM - 04:05 AM	45.9	45.0	0.9	7.0	-	41.9	43.1	-1.2
04:05 AM - 04:10 AM	50.2	49.7	0.5	7.0	-	46.2	43.3	2.9
04:10 AM - 04:15 AM	50.6	44.9	5.7	1.5	-	52.1	43.6	8.5
04:15 AM - 04:20 AM	45.0	44.6	0.4	7.0	-	41.0	43.4	-2.4
04:20 AM - 04:25 AM	44.9	44.4	0.5	7.0	-	40.9	43.3	-2.4
04:25 AM - 04:30 AM	45.0	44.2	0.8	7.0	-	41.0	43.1	-2.1
04:30 AM - 04:35 AM	45.2	45.3	-0.1	7.0	-	41.2	43.3	-2.1
04:35 AM - 04:40 AM	45.2	43.8	1.4	7.0	-	41.2	42.5	-1.3
04:40 AM - 04:45 AM	45.5	44.2	1.3	7.0	-	41.5	42.7	-1.2
04:45 AM - 04:50 AM	46.0	44.3	1.7	4.5	-	44.5	43.1	1.4
04:50 AM - 04:55 AM	45.3	45.8	-0.5	7.0	-	41.3	44.0	-2.7
04:55 AM - 05:00 AM	45.8	44.9	0.9	7.0	-	41.8	43.9	-2.1
05:00 AM - 05:05 AM	45.7	45.2	0.5	7.0	-	41.7	43.9	-2.2
05:05 AM - 05:10 AM	46.3	45.4	0.9	7.0	-	42.3	43.4	-1.1
05:10 AM - 05:15 AM	46.3	45.0	1.3	7.0	-	42.3	43.4	-1.1
05:15 AM - 05:20 AM	46.3	44.7	1.6	4.5	-	44.8	43.2	1.6
05:20 AM - 05:25 AM	46.0	44.6	1.4	7.0	-	42.0	43.1	-1.1
05:25 AM - 05:30 AM	45.4	44.7	0.7	7.0	-	41.4	43.0	-1.6
05:30 AM - 05:35 AM	44.4	46.8	-2.4	7.0	-	40.4	42.9	-2.5
05:35 AM - 05:40 AM	51.7	51.4	0.3	7.0	-	47.7	42.9	4.8
05:40 AM - 05:45 AM	59.1	56.4	2.7	3.0	-	59.1	43.5	15.6
05:45 AM - 05:50 AM	58.2	51.5	6.7	1.0	-	60.2	43.2	17.0
05:50 AM - 05:55 AM	53.0	48.7	4.3	2.0	-	54.0	42.9	11.1
05:55 AM - 06:00 AM	53.4	48.3	5.1	1.5	-	54.9	43.1	11.8
06:00 AM - 07:00 AM	59.9	50.4	9.5	0.5	59.4	-	43.6	15.8
07:00 AM - 08:00 AM	52.2	46.8	5.4	1.5	50.7	-	43.0	7.7
08:00 AM - 09:00 AM	50.2	44.7	5.5	1.5	48.7	-	41.4	7.3
09:00 AM - 10:00 AM	53.4	45.9	7.5	0.5	52.9	-	41.2	11.7
10:00 AM - 11:00 AM	49.9	45.5	4.4	2.0	47.9	-	40.7	7.2
11:00 AM - 12:00 PM	51.1	45.2	5.9	1.5	49.6	-	40.1	9.5
ค่ามาตรฐาน								≤ 10

Reference Method : ISO 1996-1

#### มาตรฐาน

- ประกาศกระทรวงอุตสาหกรรม เรื่อง กำหนดค่าระดับเสียงการรบกวนและระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548
  - ประกาศกรมโรงงานอุตสาหกรรม เรื่อง วิธีการตรวจวัดระดับเสียงรบกวน ระดับเสียงเฉลี่ย 24 ชั่วโมง และระดับเสียงสูงสุดที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2553
  - ประกาศกระทรวงสาธารณสุข เรื่อง กำหนดค่ามาตรฐานมลพิษทางเสียงอันเกิดจากการประกอบกิจการที่เป็นอันตรายต่อสุขภาพ พ.ศ. 2561
- ระดับเสียงจากแหล่งกำเนิด ทำการตรวจวัด วันที่ 23-24 ธันวาคม 2565  
ระดับเสียงพื้นฐานและระดับเสียงขณะไม่มีการรบกวน (Sample No.22144028-19 วันที่ตรวจวัด 23-24 ธันวาคม 2565)

The above results are valid only for the analyzed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

Approved by

Wilawan Borirak  
Assistant Manager



## Analysis / Test Report

TESTING  
No.0042

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

Lot ID: 22144026  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report Number : 2535167-1

P/O : RJN-BW-012/65  
Project Name : Chonburi Bowin  
Project Location :

Page 1 of 3

Sample No. 22144026-20  
Parameter เสียงรบกวน  
Location N3 : หมู่บ้านไข่มุก 5  
Measurement Date Dec 24 - 25, 2022  
Measurement by Jaradrawee Sriuksa  
Sound Level Meter 00472127

### ระดับเสียง (dB(A))

เวลา	เสียงจาก แหล่งกำเนิด (A)	เสียงขณะ ไม่มีการรบกวน (B)	ผลต่าง ระดับเสียง (A-B)	ตัวปรับค่า (C)	ปรับค่าเสียงจากแหล่งกำเนิด (D)		เสียงพื้นฐาน (E)	ค่าระดับ การรบกวน (D-E)
	แหล่งกำเนิด	ไม่มีการรบกวน	ระดับเสียง		กลางวัน (A-C)	กลางคืน (A-C)+3		การรบกวน
12:00 PM - 01:00 PM	46.0	43.3	2.7	3.0	43.0	-	39.0	4.0
01:00 PM - 02:00 PM	49.9	43.6	6.3	1.5	48.4	-	38.4	10.0
02:00 PM - 03:00 PM	47.9	43.5	4.4	2.0	45.9	-	39.1	6.8
03:00 PM - 04:00 PM	51.7	44.5	7.2	1.0	50.7	-	39.1	11.6
04:00 PM - 05:00 PM	49.3	44.1	5.2	1.5	47.8	-	39.9	7.9
05:00 PM - 06:00 PM	55.6	49.1	6.5	1.0	54.6	-	41.4	13.2
06:00 PM - 07:00 PM	50.8	48.1	2.7	3.0	47.8	-	45.9	1.9
07:00 PM - 08:00 PM	49.0	46.9	2.1	4.5	44.5	-	44.1	0.4
08:00 PM - 09:00 PM	59.0	55.6	3.4	3.0	56.0	-	43.9	12.1
09:00 PM - 10:00 PM	55.9	46.4	9.5	0.5	55.4	-	42.7	12.7
10:00 PM - 10:05 PM	46.5	46.3	0.2	7.0	-	42.5	43.2	-0.7
10:05 PM - 10:10 PM	46.5	44.7	1.8	4.5	-	45.0	42.7	2.3
10:10 PM - 10:15 PM	46.2	44.3	1.9	4.5	-	44.7	42.5	2.2
10:15 PM - 10:20 PM	47.0	48.1	-1.1	7.0	-	43.0	42.1	0.9
10:20 PM - 10:25 PM	57.1	43.7	13.4	0.0	-	60.1	41.9	18.2
10:25 PM - 10:30 PM	46.1	43.9	2.2	4.5	-	44.6	42.3	2.3
10:30 PM - 10:35 PM	45.8	43.9	1.9	4.5	-	44.3	42.4	1.9
10:35 PM - 10:40 PM	45.6	44.2	1.4	7.0	-	41.6	42.3	-0.7
10:40 PM - 10:45 PM	46.0	45.4	0.6	7.0	-	42.0	43.2	-1.2
10:45 PM - 10:50 PM	46.3	45.1	1.2	7.0	-	42.3	43.0	-0.7
10:50 PM - 10:55 PM	45.8	45.0	0.8	7.0	-	41.8	43.2	-1.4
10:55 PM - 11:00 PM	46.1	45.6	0.5	7.0	-	42.1	43.0	-0.9
11:00 PM - 11:05 PM	45.5	45.2	0.3	7.0	-	41.5	42.3	-0.8
11:05 PM - 11:10 PM	46.9	46.4	0.5	7.0	-	42.9	42.2	0.7
11:10 PM - 11:15 PM	45.4	45.2	0.2	7.0	-	41.4	42.4	-1.0
11:15 PM - 11:20 PM	45.7	44.1	1.6	4.5	-	44.2	42.0	2.2
11:20 PM - 11:25 PM	45.7	43.3	2.4	4.5	-	44.2	42.2	2.0
11:25 PM - 11:30 PM	45.7	43.5	2.2	4.5	-	44.2	42.3	1.9
11:30 PM - 11:35 PM	45.9	44.0	1.9	4.5	-	44.4	42.3	2.1
11:35 PM - 11:40 PM	46.2	44.2	2.0	4.5	-	44.7	42.5	2.2
11:40 PM - 11:45 PM	45.8	46.4	-0.6	7.0	-	41.8	42.2	-0.4
11:45 PM - 11:50 PM	46.0	44.1	1.9	4.5	-	44.5	42.2	2.3
11:50 PM - 11:55 PM	45.6	44.3	1.3	7.0	-	41.6	42.2	-0.6
11:55 PM - 12:00 AM	46.2	48.0	-1.8	7.0	-	42.2	42.7	-0.5
12:00 AM - 12:05 AM	46.9	44.5	2.4	4.5	-	45.4	42.2	3.2
12:05 AM - 12:10 AM	45.7	46.3	-0.6	7.0	-	41.7	43.0	-1.3
12:10 AM - 12:15 AM	46.8	51.7	-4.9	7.0	-	42.8	43.0	-0.2
12:15 AM - 12:20 AM	50.4	50.4	0.0	7.0	-	46.4	43.2	3.2
12:20 AM - 12:25 AM	49.2	47.8	1.4	7.0	-	45.2	42.5	2.7
12:25 AM - 12:30 AM	47.4	43.8	3.6	2.0	-	48.4	42.3	6.1

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Approved by

*Wilawan Borirak*

Wilawan Borirak  
Assistant Manager



# Analysis / Test Report

**TESTING**  
**No.0042**

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

Lot ID: 22144026  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report Number : 2535167-1

P/O : RJN-BW-012/65

Project Name : Chonburi Bowin

Project Location :

Sample No. 22144026-20  
Parameter เสียงรบกวน  
Location N3 : หมู่บ้านไข่มุก 5  
Measurement Date Dec 24 - 25, 2022  
Measurement by Jaradrawee Sriruksa  
Sound Level Meter 00472127

## ระดับเสียง (dB(A))

เวลา	(A) เสียงจากแหล่งกำเนิด	(B) เสียงขณะไม่มีการรบกวน	(A-B) ผลต่างระดับเสียง	(C) ตัวปรับค่า	(D) ปรับค่าเสียงจากแหล่งกำเนิด		(E) เสียงพื้นฐาน	(D-E) ค่าระดับการรบกวน
					(A-C) กลางวัน	(A-C)+3 กลางคืน		
12:30 AM - 12:35 AM	45.8	44.6	1.2	7.0	-	41.8	41.8	0.0
12:35 AM - 12:40 AM	45.6	44.1	1.5	4.5	-	44.1	41.5	2.6
12:40 AM - 12:45 AM	45.7	43.7	2.0	4.5	-	44.2	41.6	2.6
12:45 AM - 12:50 AM	48.5	51.2	-2.7	7.0	-	44.5	41.6	2.9
12:50 AM - 12:55 AM	54.9	44.9	10.0	0.5	-	57.4	41.9	15.5
12:55 AM - 01:00 AM	46.0	43.3	2.7	3.0	-	46.0	41.5	4.5
01:00 AM - 01:05 AM	45.2	43.3	1.9	4.5	-	43.7	41.2	2.5
01:05 AM - 01:10 AM	45.3	43.7	1.6	4.5	-	43.8	41.4	2.4
01:10 AM - 01:15 AM	45.1	44.0	1.1	7.0	-	41.1	41.2	-0.1
01:15 AM - 01:20 AM	44.7	43.8	0.9	7.0	-	40.7	40.7	0.0
01:20 AM - 01:25 AM	44.4	42.9	1.5	4.5	-	42.9	40.8	2.1
01:25 AM - 01:30 AM	44.9	42.5	2.4	4.5	-	43.4	41.1	2.3
01:30 AM - 01:35 AM	44.3	53.4	-9.1	7.0	-	40.3	41.1	-0.8
01:35 AM - 01:40 AM	60.9	43.1	17.8	0.0	-	63.9	41.2	22.7
01:40 AM - 01:45 AM	44.9	43.2	1.7	4.5	-	43.4	40.9	2.5
01:45 AM - 01:50 AM	45.9	43.5	2.4	4.5	-	44.4	41.2	3.2
01:50 AM - 01:55 AM	45.2	43.4	1.8	4.5	-	43.7	40.8	2.9
01:55 AM - 02:00 AM	72.0	57.3	14.7	0.0	-	75.0	43.6	31.4
02:00 AM - 02:05 AM	66.1	56.8	9.3	0.5	-	68.6	45.8	22.8
02:05 AM - 02:10 AM	71.3	47.5	23.8	0.0	-	74.3	41.0	33.3
02:10 AM - 02:15 AM	44.9	42.2	2.7	3.0	-	44.9	41.3	3.6
02:15 AM - 02:20 AM	44.8	42.7	2.1	4.5	-	43.3	41.6	1.7
02:20 AM - 02:25 AM	45.1	42.9	2.2	4.5	-	43.6	41.8	1.8
02:25 AM - 02:30 AM	45.2	42.7	2.5	3.0	-	45.2	41.7	3.5
02:30 AM - 02:35 AM	45.4	42.9	2.5	3.0	-	45.4	42.1	3.3
02:35 AM - 02:40 AM	45.5	44.3	1.2	7.0	-	41.5	42.3	-0.8
02:40 AM - 02:45 AM	45.5	43.6	1.9	4.5	-	44.0	42.3	1.7
02:45 AM - 02:50 AM	45.9	45.8	0.1	7.0	-	41.9	42.7	-0.8
02:50 AM - 02:55 AM	46.5	45.5	1.0	7.0	-	42.5	42.5	0.0
02:55 AM - 03:00 AM	52.4	50.0	2.4	4.5	-	50.9	42.4	8.5
03:00 AM - 03:05 AM	52.1	44.1	8.0	0.5	-	54.6	42.5	12.1
03:05 AM - 03:10 AM	45.6	43.1	2.5	3.0	-	45.6	42.2	3.4
03:10 AM - 03:15 AM	45.5	43.7	1.8	4.5	-	44.0	42.2	1.8
03:15 AM - 03:20 AM	46.1	44.1	2.0	4.5	-	44.6	42.3	2.3
03:20 AM - 03:25 AM	46.3	43.9	2.4	4.5	-	44.8	42.3	2.5
03:25 AM - 03:30 AM	45.8	43.0	2.8	3.0	-	45.8	41.9	3.9
03:30 AM - 03:35 AM	45.7	43.7	2.0	4.5	-	44.2	42.0	2.2
03:35 AM - 03:40 AM	45.7	42.8	2.9	3.0	-	45.7	41.8	3.9
03:40 AM - 03:45 AM	45.5	43.5	2.0	4.5	-	44.0	42.1	1.9
03:45 AM - 03:50 AM	46.0	44.1	1.9	4.5	-	44.5	42.2	2.3

The above results are valid only for the analyzed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

Approved by

*Wilawan Borirak*

Wilawan Borirak  
Assistant Manager



## Analysis / Test Report

TESTING  
No.0042

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

Lot ID: 22144026  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report Number : 2535167-1

P/O : RJN-BW-012/65

Project Name : Chonburi Bowin

Project Location :

Page 3 of 3

Sample No. 22144026-20  
Parameter เสียงรบกวน  
Location N3 : หมู่บ้านไข่มุก 5  
Measurement Date Dec 24 - 25, 2022  
Measurement by Jaradrawee Sriruksa  
Sound Level Meter 00472127

### ระดับเสียง (dB(A))

เวลา	(A) เสียงจากแหล่งกำเนิด	(B) เสียงขณะไม่มีการรบกวน	(A-B) ผลต่างระดับเสียง	(C) ตัวปรับค่า	(D) ปรับค่าเสียงจากแหล่งกำเนิด		(E) เสียงพื้นฐาน	(D-E) ค่าระดับการรบกวน
					(A-C) กลางวัน	(A-C)+3 กลางคืน		
03:50 AM - 03:55 AM	45.9	43.3	2.6	3.0	-	45.9	42.0	3.9
03:55 AM - 04:00 AM	45.8	43.4	2.4	4.5	-	44.3	42.1	2.2
04:00 AM - 04:05 AM	45.8	43.2	2.6	3.0	-	45.8	42.0	3.8
04:05 AM - 04:10 AM	45.4	43.6	1.8	4.5	-	43.9	42.1	1.8
04:10 AM - 04:15 AM	44.4	43.3	1.1	7.0	-	40.4	42.2	-1.8
04:15 AM - 04:20 AM	45.1	45.6	-0.5	7.0	-	41.1	42.3	-1.2
04:20 AM - 04:25 AM	51.5	45.5	6.0	1.5	-	53.0	42.2	10.8
04:25 AM - 04:30 AM	45.7	43.0	2.7	3.0	-	45.7	41.8	3.9
04:30 AM - 04:35 AM	46.0	43.0	3.0	3.0	-	46.0	41.6	4.4
04:35 AM - 04:40 AM	45.5	48.0	-2.5	7.0	-	41.5	41.6	-0.1
04:40 AM - 04:45 AM	54.3	51.6	2.7	3.0	-	54.3	41.7	12.6
04:45 AM - 04:50 AM	52.8	43.5	9.3	0.5	-	55.3	41.4	13.9
04:50 AM - 04:55 AM	45.3	43.6	1.7	4.5	-	43.8	41.8	2.0
04:55 AM - 05:00 AM	45.7	44.4	1.3	7.0	-	41.7	42.2	-0.5
05:00 AM - 05:05 AM	46.1	44.5	1.6	4.5	-	44.6	42.0	2.6
05:05 AM - 05:10 AM	46.1	44.5	1.6	4.5	-	44.6	41.9	2.7
05:10 AM - 05:15 AM	46.0	49.1	-3.1	7.0	-	42.0	42.0	0.0
05:15 AM - 05:20 AM	54.7	49.9	4.8	1.5	-	56.2	42.0	14.2
05:20 AM - 05:25 AM	51.4	44.8	6.6	1.0	-	53.4	42.2	11.2
05:25 AM - 05:30 AM	46.3	43.9	2.4	4.5	-	44.8	41.7	3.1
05:30 AM - 05:35 AM	45.9	46.3	-0.4	7.0	-	41.9	41.9	0.0
05:35 AM - 05:40 AM	52.5	45.3	7.2	1.0	-	54.5	41.9	12.6
05:40 AM - 05:45 AM	51.0	52.0	-1.0	7.0	-	47.0	41.6	5.4
05:45 AM - 05:50 AM	55.3	50.3	5.0	1.5	-	56.8	42.0	14.8
05:50 AM - 05:55 AM	53.4	52.3	1.1	7.0	-	49.4	41.8	7.6
05:55 AM - 06:00 AM	54.8	51.0	3.8	2.0	-	55.8	42.5	13.3
06:00 AM - 07:00 AM	55.0	49.8	5.2	1.5	53.5	-	42.6	10.9
07:00 AM - 08:00 AM	51.5	47.7	3.8	2.0	49.5	-	42.3	7.2
08:00 AM - 09:00 AM	55.3	50.1	5.2	1.5	53.8	-	42.0	11.8
09:00 AM - 10:00 AM	50.3	46.0	4.3	2.0	48.3	-	41.4	6.9
10:00 AM - 11:00 AM	49.1	44.4	4.7	1.5	47.6	-	40.1	7.5
11:00 AM - 12:00 PM	48.9	44.1	4.8	1.5	47.4	-	39.0	8.4

ค่ามาตรฐาน

≤ 10

Reference Method : ISO 1996-1

### มาตรฐาน

- ประกาศกระทรวงอุตสาหกรรม เรื่อง กำหนดค่าระดับเสียงการรบกวนและระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548
  - ประกาศกรมโรงงานอุตสาหกรรม เรื่อง วิธีการตรวจวัดระดับเสียงรบกวน ระดับเสียงเฉลี่ย 24 ชั่วโมง และระดับเสียงสูงสุดที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2553
  - ประกาศกระทรวงสาธารณสุข เรื่อง กำหนดค่ามาตรฐานมลพิษทางเสียงอันเกิดจากการประกอบกิจการที่เป็นอันตรายต่อสุขภาพ พ.ศ. 2561
- ระดับเสียงจากแหล่งกำเนิด ทำการตรวจวัด วันที่ 24-25 ธันวาคม 2565  
ระดับเสียงพื้นฐานและระดับเสียงขณะไม่มีการรบกวน (Sample No.22144028-20 วันที่ตรวจวัด 24-25 ธันวาคม 2565)

The above results are valid only for the analyzed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

Approved by

Wilawan Borirak  
Assistant Manager





## Analysis / Test Report

TESTING  
No.0042

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

Lot ID: 22144026  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report Number : 2535168-1

P/O : RJN-BW-012/65

Project Name : Chonburi Bowin

Project Location :

Page 1 of 3

Sample No. 22144026-21  
Parameter เสียงรบกวน  
Location N3 : หมู่บ้านไข่มุก 5  
Measurement Date Dec 25 - 26, 2022  
Measurement by Jaradrawee Sriuksa  
Sound Level Meter 00472127

### ระดับเสียง (dB(A))

เวลา	เสียงจาก แหล่งกำเนิด <sup>(A)</sup>	เสียงขณะ ไม่มีการรบกวน <sup>(B)</sup>	ผลต่าง ระดับเสียง <sup>(A-B)</sup>	ตัวปรับค่า <sup>(C)</sup>	ปรับค่าเสียงจากแหล่งกำเนิด <sup>(B)</sup>		เสียงพื้นฐาน <sup>(E)</sup>	ค่าระดับ การรบกวน <sup>(D-E)</sup>
					กลางวัน <sup>(A-C)</sup>	กลางคืน <sup>(A-C)+3</sup>		
12:00 PM - 01:00 PM	47.3	42.0	5.3	1.5	45.8	-	37.7	8.1
01:00 PM - 02:00 PM	54.4	44.7	9.7	0.5	53.9	-	36.6	17.3
02:00 PM - 03:00 PM	52.0	44.6	7.4	1.0	51.0	-	37.5	13.5
03:00 PM - 04:00 PM	50.5	47.4	3.1	3.0	47.5	-	38.7	8.8
04:00 PM - 05:00 PM	56.6	49.3	7.3	1.0	55.6	-	40.0	15.6
05:00 PM - 06:00 PM	52.5	47.8	4.7	1.5	51.0	-	42.7	8.3
06:00 PM - 07:00 PM	53.9	52.1	1.8	4.5	49.4	-	48.6	0.8
07:00 PM - 08:00 PM	50.0	48.1	1.9	4.5	45.5	-	44.8	0.7
08:00 PM - 09:00 PM	53.4	48.5	4.9	1.5	51.9	-	44.1	7.8
09:00 PM - 10:00 PM	47.7	45.8	1.9	4.5	43.2	-	43.3	-0.1
10:00 PM - 10:05 PM	46.1	47.0	-0.9	7.0	-	42.1	42.8	-0.7
10:05 PM - 10:10 PM	45.6	43.5	2.1	4.5	-	44.1	42.4	1.7
10:10 PM - 10:15 PM	45.2	43.1	2.1	4.5	-	43.7	42.2	1.5
10:15 PM - 10:20 PM	45.3	44.4	0.9	7.0	-	41.3	42.0	-0.7
10:20 PM - 10:25 PM	45.5	45.1	0.4	7.0	-	41.5	42.3	-0.8
10:25 PM - 10:30 PM	44.8	43.9	0.9	7.0	-	40.8	42.4	-1.6
10:30 PM - 10:35 PM	45.3	44.0	1.3	7.0	-	41.3	42.9	-1.6
10:35 PM - 10:40 PM	46.0	44.2	1.8	4.5	-	44.5	43.4	1.1
10:40 PM - 10:45 PM	46.2	44.4	1.8	4.5	-	44.7	42.9	1.8
10:45 PM - 10:50 PM	46.0	44.3	1.7	4.5	-	44.5	42.6	1.9
10:50 PM - 10:55 PM	47.0	44.9	2.1	4.5	-	45.5	42.7	2.8
10:55 PM - 11:00 PM	46.2	44.1	2.1	4.5	-	44.7	42.2	2.5
11:00 PM - 11:05 PM	45.7	43.8	1.9	4.5	-	44.2	42.0	2.2
11:05 PM - 11:10 PM	45.9	46.3	-0.4	7.0	-	41.9	42.0	-0.1
11:10 PM - 11:15 PM	45.0	46.1	-1.1	7.0	-	41.0	42.7	-1.7
11:15 PM - 11:20 PM	45.6	46.3	-0.7	7.0	-	41.6	42.3	-0.7
11:20 PM - 11:25 PM	45.7	44.5	1.2	7.0	-	41.7	41.3	0.4
11:25 PM - 11:30 PM	46.2	44.0	2.2	4.5	-	44.7	41.1	3.6
11:30 PM - 11:35 PM	45.6	42.6	3.0	3.0	-	45.6	41.1	4.5
11:35 PM - 11:40 PM	45.0	42.7	2.3	4.5	-	43.5	41.2	2.3
11:40 PM - 11:45 PM	45.0	44.0	1.0	7.0	-	41.0	41.7	-0.7
11:45 PM - 11:50 PM	44.8	42.6	2.2	4.5	-	43.3	41.0	2.3
11:50 PM - 11:55 PM	49.3	42.8	6.5	1.0	-	51.3	41.5	9.8
11:55 PM - 12:00 AM	44.6	42.1	2.5	3.0	-	44.6	41.3	3.3
12:00 AM - 12:05 AM	44.0	44.7	-0.7	7.0	-	40.0	41.1	-1.1
12:05 AM - 12:10 AM	45.3	42.8	2.5	3.0	-	45.3	41.1	4.2
12:10 AM - 12:15 AM	44.6	48.7	-4.1	7.0	-	40.6	41.5	-0.9
12:15 AM - 12:20 AM	53.8	48.3	5.5	1.5	-	55.3	41.6	13.7
12:20 AM - 12:25 AM	48.3	47.1	1.2	7.0	-	44.3	42.1	2.2
12:25 AM - 12:30 AM	51.9	47.5	4.4	2.0	-	52.9	41.9	11.0

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Approved by

*Wilawan Borirak*

Wilawan Borirak  
Assistant Manager





## Analysis / Test Report

TESTING  
No.0042

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

Lot ID: 22144026  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report Number : 2535168-1

P/O : RJN-BW-012/65  
Project Name : Chonburi Bowin  
Project Location :

Page 2 of 3

Sample No. 22144026-21  
Parameter เสียงรบกวน  
Location N3 : หมู่บ้านไข่มุก 5  
Measurement Date Dec 25 - 26, 2022  
Measurement by Jaradrawee Sriuksa  
Sound Level Meter 00472127

### ระดับเสียง (dB(A))

เวลา	เสียงจาก แหล่งกำเนิด (A)	เสียงขณะ ไม่มีการรบกวน (B)	ผลต่าง ระดับเสียง (A-B)	ตัวปรับค่า (C)	ปรับค่าเสียงจากแหล่งกำเนิด (D)		เสียงพื้นฐาน (E)	ค่าระดับ การรบกวน (D-E)
					กลางวัน (A-C)	กลางคืน (A-C)+3		
12:30 AM - 12:35 AM	45.8	42.6	3.2	3.0	-	45.8	41.4	4.4
12:35 AM - 12:40 AM	43.4	44.3	-0.9	7.0	-	39.4	41.6	-2.2
12:40 AM - 12:45 AM	44.2	44.7	-0.5	7.0	-	40.2	41.4	-1.2
12:45 AM - 12:50 AM	43.6	44.0	-0.4	7.0	-	39.6	41.5	-1.9
12:50 AM - 12:55 AM	43.0	43.7	-0.7	7.0	-	39.0	41.9	-2.9
12:55 AM - 01:00 AM	43.1	42.6	0.5	7.0	-	39.1	41.7	-2.6
01:00 AM - 01:05 AM	42.6	42.1	0.5	7.0	-	38.6	41.4	-2.8
01:05 AM - 01:10 AM	43.0	46.4	-3.4	7.0	-	39.0	41.5	-2.5
01:10 AM - 01:15 AM	45.0	42.9	2.1	4.5	-	43.5	41.5	2.0
01:15 AM - 01:20 AM	43.7	44.7	-1.0	7.0	-	39.7	41.4	-1.7
01:20 AM - 01:25 AM	45.2	45.1	0.1	7.0	-	41.2	41.5	-0.3
01:25 AM - 01:30 AM	43.9	43.8	0.1	7.0	-	39.9	41.8	-1.9
01:30 AM - 01:35 AM	44.4	42.4	2.0	4.5	-	42.9	41.2	1.7
01:35 AM - 01:40 AM	46.4	56.6	-10.2	7.0	-	42.4	41.9	0.5
01:40 AM - 01:45 AM	72.8	58.7	14.1	0.0	-	75.8	46.8	29.0
01:45 AM - 01:50 AM	72.8	51.1	21.7	0.0	-	75.8	41.6	34.2
01:50 AM - 01:55 AM	46.1	42.3	3.8	2.0	-	47.1	41.3	5.8
01:55 AM - 02:00 AM	43.8	43.8	0.0	7.0	-	39.8	41.6	-1.8
02:00 AM - 02:05 AM	44.7	46.7	-2.0	7.0	-	40.7	43.2	-2.5
02:05 AM - 02:10 AM	44.8	47.1	-2.3	7.0	-	40.8	42.5	-1.7
02:10 AM - 02:15 AM	44.7	46.3	-1.6	7.0	-	40.7	42.6	-1.9
02:15 AM - 02:20 AM	44.6	45.8	-1.2	7.0	-	40.6	42.6	-2.0
02:20 AM - 02:25 AM	44.7	45.7	-1.0	7.0	-	40.7	42.5	-1.8
02:25 AM - 02:30 AM	44.6	48.0	-3.4	7.0	-	40.6	42.6	-2.0
02:30 AM - 02:35 AM	45.2	45.0	0.2	7.0	-	41.2	42.4	-1.2
02:35 AM - 02:40 AM	44.5	47.9	-3.4	7.0	-	40.5	42.5	-2.0
02:40 AM - 02:45 AM	44.0	48.0	-4.0	7.0	-	40.0	42.9	-2.9
02:45 AM - 02:50 AM	44.6	47.1	-2.5	7.0	-	40.6	43.2	-2.6
02:50 AM - 02:55 AM	45.4	46.4	-1.0	7.0	-	41.4	43.4	-2.0
02:55 AM - 03:00 AM	44.8	47.5	-2.7	7.0	-	40.8	43.7	-2.9
03:00 AM - 03:05 AM	45.3	46.8	-1.5	7.0	-	41.3	43.5	-2.2
03:05 AM - 03:10 AM	44.6	47.2	-2.6	7.0	-	40.6	43.5	-2.9
03:10 AM - 03:15 AM	44.3	47.0	-2.7	7.0	-	40.3	43.5	-3.2
03:15 AM - 03:20 AM	44.0	46.7	-2.7	7.0	-	40.0	43.0	-3.0
03:20 AM - 03:25 AM	44.2	46.4	-2.2	7.0	-	40.2	43.1	-2.9
03:25 AM - 03:30 AM	44.2	43.3	0.9	7.0	-	40.2	42.3	-2.1
03:30 AM - 03:35 AM	44.5	42.9	1.6	4.5	-	43.0	42.2	0.8
03:35 AM - 03:40 AM	44.4	43.8	0.6	7.0	-	40.4	42.3	-1.9
03:40 AM - 03:45 AM	44.0	42.8	1.2	7.0	-	40.0	41.9	-1.9
03:45 AM - 03:50 AM	43.6	42.5	1.1	7.0	-	39.6	41.8	-2.2

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Approved by

Wilawan Borirak  
Assistant Manager



## Analysis / Test Report

TESTING  
No.0042

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

Lot ID: 22144026  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report Number : 2535168-1

P/O : RJN-BW-012/65

Project Name : Chonburi Bowin

Project Location :

Page 3 of 3

Sample No. 22144026-21  
Parameter เสียงรบกวน  
Location N3 : หมู่บ้านไข่มุก 5  
Measurement Date Dec 25 - 26, 2022  
Measurement by Jaradrawee Sriruksa  
Sound Level Meter 00472127

### ระดับเสียง (dB(A))

เวลา	เสียงจากแหล่งกำเนิด (A)	เสียงขณะไม่มีการรบกวน (B)	ผลต่างระดับเสียง (A-B)	ตัวปรับค่า (C)	ปรับค่าเสียงจากแหล่งกำเนิด (D)		เสียงพื้นฐาน (E)	ค่าระดับการรบกวน (D-E)
					กลางวัน (A-C)	กลางคืน (A-C)+3		
03:50 AM - 03:55 AM	44.4	43.0	1.4	7.0	-	40.4	42.1	-1.7
03:55 AM - 04:00 AM	49.9	48.4	1.5	4.5	-	48.4	42.0	6.4
04:00 AM - 04:05 AM	52.4	42.8	9.6	0.5	-	54.9	42.0	12.9
04:05 AM - 04:10 AM	44.8	43.3	1.5	4.5	-	43.3	42.1	1.2
04:10 AM - 04:15 AM	44.9	43.5	1.4	7.0	-	40.9	42.0	-1.1
04:15 AM - 04:20 AM	47.5	43.6	3.9	2.0	-	48.5	42.2	6.3
04:20 AM - 04:25 AM	44.7	42.8	1.9	4.5	-	43.2	42.2	1.0
04:25 AM - 04:30 AM	45.1	42.8	2.3	4.5	-	43.6	41.9	1.7
04:30 AM - 04:35 AM	44.8	44.9	-0.1	7.0	-	40.8	41.9	-1.1
04:35 AM - 04:40 AM	49.0	44.9	4.1	2.0	-	50.0	41.9	8.1
04:40 AM - 04:45 AM	44.5	49.3	-4.8	7.0	-	40.5	41.5	-1.0
04:45 AM - 04:50 AM	57.1	50.8	6.3	1.5	-	58.6	41.3	17.3
04:50 AM - 04:55 AM	53.7	47.6	6.1	1.5	-	55.2	41.2	14.0
04:55 AM - 05:00 AM	52.2	44.3	7.9	0.5	-	54.7	41.8	12.9
05:00 AM - 05:05 AM	45.1	43.2	1.9	4.5	-	43.6	41.9	1.7
05:05 AM - 05:10 AM	45.2	42.9	2.3	4.5	-	43.7	42.1	1.6
05:10 AM - 05:15 AM	45.3	43.2	2.1	4.5	-	43.8	42.3	1.5
05:15 AM - 05:20 AM	45.2	43.7	1.5	4.5	-	43.7	42.3	1.4
05:20 AM - 05:25 AM	45.4	45.0	0.4	7.0	-	41.4	42.3	-0.9
05:25 AM - 05:30 AM	54.2	53.1	1.1	7.0	-	50.2	42.3	7.9
05:30 AM - 05:35 AM	55.3	44.2	11.1	0.5	-	57.8	42.2	15.6
05:35 AM - 05:40 AM	44.3	43.5	0.8	7.0	-	40.3	42.0	-1.7
05:40 AM - 05:45 AM	44.9	48.0	-3.1	7.0	-	40.9	42.5	-1.6
05:45 AM - 05:50 AM	54.9	53.1	1.8	4.5	-	53.4	42.9	10.5
05:50 AM - 05:55 AM	57.1	52.8	4.3	2.0	-	58.1	42.6	15.5
05:55 AM - 06:00 AM	55.6	50.7	4.9	1.5	-	57.1	43.4	13.7
06:00 AM - 07:00 AM	56.1	50.2	5.9	1.5	54.6	-	43.7	10.9
07:00 AM - 08:00 AM	51.5	46.5	5.0	1.5	50.0	-	43.4	6.6
08:00 AM - 09:00 AM	52.6	47.2	5.4	1.5	51.1	-	42.9	8.2
09:00 AM - 10:00 AM	64.5	55.6	8.9	0.5	64.0	-	49.2	14.8
10:00 AM - 11:00 AM	66.5	59.2	7.3	1.0	65.5	-	50.8	14.7
11:00 AM - 12:00 PM	49.7	44.7	5.0	1.5	48.2	-	39.9	8.3

ค่ามาตรฐาน

≤ 10

Reference Method : ISO 1996-1

### มาตรฐาน

- ประกาศกระทรวงอุตสาหกรรม เรื่อง กำหนดค่าระดับเสียงการรบกวนและระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548
  - ประกาศกรมโรงงานอุตสาหกรรม เรื่อง วิธีการตรวจวัดระดับเสียงรบกวน ระดับเสียงเฉลี่ย 24 ชั่วโมง และระดับเสียงสูงสุดที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2553
  - ประกาศกระทรวงสาธารณสุข เรื่อง กำหนดค่ามาตรฐานมลพิษทางเสียงอันเกิดจากการประกอบกิจการที่เป็นอันตรายต่อสุขภาพ พ.ศ. 2561
- ระดับเสียงจากแหล่งกำเนิด ทำการตรวจวัด วันที่ 25-26 ธันวาคม 2565  
ระดับเสียงพื้นฐานและระดับเสียงขณะไม่มีการรบกวน (Sample No.22144028-21 วันที่ตรวจวัด 25-26 ธันวาคม 2565)

The above results are valid only for the analyzed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

Approved by

Wilawan Borirak  
Assistant Manager



# Analysis / Test Report

TESTING  
No.0042

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

Lot ID: 22144026  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report Number : 2535169-1

P/O : RJN-BW-012/65  
Project Name : Chonburi Bowin  
Project Location :

Page 1 of 3

Sample No. 22144026-22  
Parameter เสียงรบกวน  
Location N4 : ที่พักอาศัยบริเวณหมู่ 5 บ้านสุรศักดิ์  
Measurement Date Dec 19 - 20, 2022  
Measurement by Jaradrawee Sriuksa  
Sound Level Meter 597168

## ระดับเสียง (dB(A))

เวลา	เสียงจาก แหล่งกำเนิด (A)	เสียงขณะ ไม่มีการรบกวน (B)	ผลต่าง ระดับเสียง (A-B)	ตัวปรับค่า (C)	ปรับค่าเสียงจากแหล่งกำเนิด (D)		เสียงพื้นฐาน (E)	ค่าระดับ การรบกวน (D-E)
					กลางวัน (A-C)	กลางคืน (A-C)+3		
12:00 PM - 01:00 PM	59.3	58.7	0.6	7.0	52.3	-	51.8	0.5
01:00 PM - 02:00 PM	60.2	59.4	0.8	7.0	53.2	-	52.2	1.0
02:00 PM - 03:00 PM	59.6	58.7	0.9	7.0	52.6	-	50.5	2.1
03:00 PM - 04:00 PM	58.3	57.9	0.4	7.0	51.3	-	50.8	0.5
04:00 PM - 05:00 PM	58.3	57.6	0.7	7.0	51.3	-	49.9	1.4
05:00 PM - 06:00 PM	64.1	63.8	0.3	7.0	57.1	-	49.2	7.9
06:00 PM - 07:00 PM	57.8	56.7	1.1	7.0	50.8	-	48.5	2.3
07:00 PM - 08:00 PM	56.1	55.4	0.7	7.0	49.1	-	47.0	2.1
08:00 PM - 09:00 PM	59.7	60.0	-0.3	7.0	52.7	-	45.7	7.0
09:00 PM - 10:00 PM	54.6	54.1	0.5	7.0	47.6	-	47.0	0.6
10:00 PM - 10:05 PM	55.0	55.5	-0.5	7.0	-	51.0	50.4	0.6
10:05 PM - 10:10 PM	53.9	52.9	1.0	7.0	-	49.9	47.4	2.5
10:10 PM - 10:15 PM	50.7	52.9	-2.2	7.0	-	46.7	49.2	-2.5
10:15 PM - 10:20 PM	51.9	51.3	0.6	7.0	-	47.9	47.6	0.3
10:20 PM - 10:25 PM	54.1	54.7	-0.6	7.0	-	50.1	49.4	0.7
10:25 PM - 10:30 PM	57.6	56.7	0.9	7.0	-	53.6	49.8	3.8
10:30 PM - 10:35 PM	54.9	54.5	0.4	7.0	-	50.9	48.6	2.3
10:35 PM - 10:40 PM	55.0	55.0	0.0	7.0	-	51.0	49.9	1.1
10:40 PM - 10:45 PM	56.1	56.4	-0.3	7.0	-	52.1	50.7	1.4
10:45 PM - 10:50 PM	56.0	54.8	1.2	7.0	-	52.0	49.6	2.4
10:50 PM - 10:55 PM	55.8	56.6	-0.8	7.0	-	51.8	51.1	0.7
10:55 PM - 11:00 PM	57.3	56.0	1.3	7.0	-	53.3	49.6	3.7
11:00 PM - 11:05 PM	62.1	60.4	1.7	4.5	-	60.6	49.5	11.1
11:05 PM - 11:10 PM	50.9	50.8	0.1	7.0	-	46.9	46.2	0.7
11:10 PM - 11:15 PM	54.9	54.2	0.7	7.0	-	50.9	46.8	4.1
11:15 PM - 11:20 PM	51.2	50.7	0.5	7.0	-	47.2	44.5	2.7
11:20 PM - 11:25 PM	51.2	50.5	0.7	7.0	-	47.2	44.3	2.9
11:25 PM - 11:30 PM	57.3	57.0	0.3	7.0	-	53.3	44.4	8.9
11:30 PM - 11:35 PM	51.7	53.7	-2.0	7.0	-	47.7	44.5	3.2
11:35 PM - 11:40 PM	56.7	54.1	2.6	3.0	-	56.7	44.6	12.1
11:40 PM - 11:45 PM	52.9	51.6	1.3	7.0	-	48.9	43.8	5.1
11:45 PM - 11:50 PM	50.0	49.9	0.1	7.0	-	46.0	43.9	2.1
11:50 PM - 11:55 PM	51.1	52.1	-1.0	7.0	-	47.1	43.7	3.4
11:55 PM - 12:00 AM	53.2	50.4	2.8	3.0	-	53.2	43.1	10.1
12:00 AM - 12:05 AM	48.9	53.1	-4.2	7.0	-	44.9	43.6	1.3
12:05 AM - 12:10 AM	56.8	53.5	3.3	3.0	-	56.8	44.8	12.0
12:10 AM - 12:15 AM	52.2	53.2	-1.0	7.0	-	48.2	44.9	3.3
12:15 AM - 12:20 AM	53.2	51.3	1.9	4.5	-	51.7	45.0	6.7
12:20 AM - 12:25 AM	49.0	49.0	0.0	7.0	-	45.0	44.3	0.7
12:25 AM - 12:30 AM	50.0	49.9	0.1	7.0	-	46.0	44.5	1.5

The above results are valid only for the analyzed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

Approved by

*Wilawan Borirak*

Wilawan Borirak  
Assistant Manager



## Analysis / Test Report

TESTING  
No.0042

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

Lot ID: 22144026  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report Number : 2535169-1

P/O : RJN-BW-012/65  
Project Name : Chonburi Bowin  
Project Location :

Page 2 of 3

Sample No. 22144026-22  
Parameter เสียงรบกวน  
Location N4 : ที่พักอาศัยบริเวณหมู่ 5 บ้านสุรศักดิ์  
Measurement Date Dec 19 - 20, 2022  
Measurement by Jaradrawee Sriuksa  
Sound Level Meter 597168

### ระดับเสียง (dB(A))

เวลา	เสียงจาก แหล่งกำเนิด (A)	เสียงขณะ ไม่มีการรบกวน (B)	ผลต่าง ระดับเสียง (A-B)	ตัวปรับค่า (C)	ปรับค่าเสียงจากแหล่งกำเนิด (D)		เสียงพื้นฐาน (E)	ค่าระดับ การรบกวน (D-E)
	กลางวัน (A-C)	กลางคืน (A-C)+3						
12:30 AM - 12:35 AM	51.0	52.7	-1.7	7.0	-	47.0	44.8	2.2
12:35 AM - 12:40 AM	52.5	51.3	1.2	7.0	-	48.5	47.1	1.4
12:40 AM - 12:45 AM	57.1	55.9	1.2	7.0	-	53.1	47.6	5.5
12:45 AM - 12:50 AM	54.8	54.8	0.0	7.0	-	50.8	46.2	4.6
12:50 AM - 12:55 AM	53.1	53.5	-0.4	7.0	-	49.1	48.1	1.0
12:55 AM - 01:00 AM	55.0	54.9	0.1	7.0	-	51.0	49.1	1.9
01:00 AM - 01:05 AM	54.1	54.5	-0.4	7.0	-	50.1	49.3	0.8
01:05 AM - 01:10 AM	53.4	53.9	-0.5	7.0	-	49.4	49.4	0.0
01:10 AM - 01:15 AM	54.6	54.7	-0.1	7.0	-	50.6	48.9	1.7
01:15 AM - 01:20 AM	52.7	53.0	-0.3	7.0	-	48.7	47.9	0.8
01:20 AM - 01:25 AM	55.5	55.5	0.0	7.0	-	51.5	49.0	2.5
01:25 AM - 01:30 AM	56.0	54.9	1.1	7.0	-	52.0	49.0	3.0
01:30 AM - 01:35 AM	52.9	53.8	-0.9	7.0	-	48.9	49.7	-0.8
01:35 AM - 01:40 AM	52.1	52.8	-0.7	7.0	-	48.1	49.2	-1.1
01:40 AM - 01:45 AM	52.9	53.9	-1.0	7.0	-	48.9	48.8	0.1
01:45 AM - 01:50 AM	54.6	54.0	0.6	7.0	-	50.6	48.0	2.6
01:50 AM - 01:55 AM	53.2	53.4	-0.2	7.0	-	49.2	48.2	1.0
01:55 AM - 02:00 AM	53.2	53.1	0.1	7.0	-	49.2	47.5	1.7
02:00 AM - 02:05 AM	53.7	54.5	-0.8	7.0	-	49.7	49.2	0.5
02:05 AM - 02:10 AM	53.6	53.5	0.1	7.0	-	49.6	47.7	1.9
02:10 AM - 02:15 AM	54.4	53.6	0.8	7.0	-	50.4	48.6	1.8
02:15 AM - 02:20 AM	52.2	52.6	-0.4	7.0	-	48.2	48.6	-0.4
02:20 AM - 02:25 AM	51.9	51.9	0.0	7.0	-	47.9	48.0	-0.1
02:25 AM - 02:30 AM	54.5	54.1	0.4	7.0	-	50.5	48.5	2.0
02:30 AM - 02:35 AM	50.7	52.9	-2.2	7.0	-	46.7	48.1	-1.4
02:35 AM - 02:40 AM	51.9	51.4	0.5	7.0	-	47.9	48.2	-0.3
02:40 AM - 02:45 AM	53.9	53.7	0.2	7.0	-	49.9	48.0	1.9
02:45 AM - 02:50 AM	51.0	51.6	-0.6	7.0	-	47.0	48.6	-1.6
02:50 AM - 02:55 AM	53.4	55.1	-1.7	7.0	-	49.4	46.1	3.3
02:55 AM - 03:00 AM	54.4	54.6	-0.2	7.0	-	50.4	46.5	3.9
03:00 AM - 03:05 AM	53.0	52.3	0.7	7.0	-	49.0	46.7	2.3
03:05 AM - 03:10 AM	53.0	53.8	-0.8	7.0	-	49.0	47.2	1.8
03:10 AM - 03:15 AM	54.6	52.1	2.5	3.0	-	54.6	44.7	9.9
03:15 AM - 03:20 AM	51.8	53.2	-1.4	7.0	-	47.8	45.7	2.1
03:20 AM - 03:25 AM	51.7	50.2	1.5	4.5	-	50.2	45.9	4.3
03:25 AM - 03:30 AM	51.8	51.5	0.3	7.0	-	47.8	45.4	2.4
03:30 AM - 03:35 AM	52.5	52.0	0.5	7.0	-	48.5	45.3	3.2
03:35 AM - 03:40 AM	54.0	54.1	-0.1	7.0	-	50.0	45.0	5.0
03:40 AM - 03:45 AM	55.0	54.9	0.1	7.0	-	51.0	46.5	4.5
03:45 AM - 03:50 AM	57.2	56.7	0.5	7.0	-	53.2	45.6	7.6

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Approved by

Wilawan Borirak  
Assistant Manager



## Analysis / Test Report

TESTING  
No.0042

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

Lot ID: 22144026  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report Number : 2535169-1

P/O : RJN-BW-012/65  
Project Name : Chonburi Bowin  
Project Location :

Page 3 of 3

Sample No. 22144026-22  
Parameter เสียงรบกวน  
Location N4 : ที่พักอาศัยบริเวณหมู่ 5 บ้านสุรศักดิ์  
Measurement Date Dec 19 - 20, 2022  
Measurement by Jaradrawee Sriruksa  
Sound Level Meter 597168

### ระดับเสียง (dB(A))

เวลา	เสียงจากแหล่งกำเนิด (A)	เสียงขณะไม่มีการรบกวน (B)	ผลต่างระดับเสียง (A-B)	ตัวปรับค่า (C)	ปรับค่าเสียงจากแหล่งกำเนิด (D)		เสียงพื้นฐาน (E)	ค่าระดับการรบกวน (D-E)
					กลางวัน (A-C)	กลางคืน (A-C)+3		
03:50 AM - 03:55 AM	57.9	56.0	1.9	4.5	-	56.4	45.5	10.9
03:55 AM - 04:00 AM	52.5	52.0	0.5	7.0	-	48.5	46.3	2.2
04:00 AM - 04:05 AM	58.6	57.8	0.8	7.0	-	54.6	46.9	7.7
04:05 AM - 04:10 AM	54.3	54.2	0.1	7.0	-	50.3	44.9	5.4
04:10 AM - 04:15 AM	53.5	53.9	-0.4	7.0	-	49.5	45.6	3.9
04:15 AM - 04:20 AM	52.6	53.6	-1.0	7.0	-	48.6	44.9	3.7
04:20 AM - 04:25 AM	54.4	54.5	-0.1	7.0	-	50.4	46.1	4.3
04:25 AM - 04:30 AM	56.1	55.4	0.7	7.0	-	52.1	45.8	6.3
04:30 AM - 04:35 AM	53.3	54.0	-0.7	7.0	-	49.3	46.7	2.6
04:35 AM - 04:40 AM	54.4	54.6	-0.2	7.0	-	50.4	46.5	3.9
04:40 AM - 04:45 AM	55.7	54.6	1.1	7.0	-	51.7	46.9	4.8
04:45 AM - 04:50 AM	60.5	59.1	1.4	7.0	-	56.5	48.2	8.3
04:50 AM - 04:55 AM	53.5	53.6	-0.1	7.0	-	49.5	45.6	3.9
04:55 AM - 05:00 AM	55.6	55.7	-0.1	7.0	-	51.6	47.0	4.6
05:00 AM - 05:05 AM	55.8	55.4	0.4	7.0	-	51.8	48.2	3.6
05:05 AM - 05:10 AM	55.8	56.2	-0.4	7.0	-	51.8	47.5	4.3
05:10 AM - 05:15 AM	55.6	55.1	0.5	7.0	-	51.6	47.6	4.0
05:15 AM - 05:20 AM	57.8	57.2	0.6	7.0	-	53.8	48.2	5.6
05:20 AM - 05:25 AM	56.0	55.6	0.4	7.0	-	52.0	49.1	2.9
05:25 AM - 05:30 AM	56.2	55.9	0.3	7.0	-	52.2	48.2	4.0
05:30 AM - 05:35 AM	56.8	56.4	0.4	7.0	-	52.8	49.4	3.4
05:35 AM - 05:40 AM	58.0	57.7	0.3	7.0	-	54.0	51.0	3.0
05:40 AM - 05:45 AM	58.0	57.4	0.6	7.0	-	54.0	51.7	2.3
05:45 AM - 05:50 AM	59.2	57.5	1.7	4.5	-	57.7	51.7	6.0
05:50 AM - 05:55 AM	56.2	56.7	-0.5	7.0	-	52.2	52.4	-0.2
05:55 AM - 06:00 AM	58.6	57.6	1.0	7.0	-	54.6	52.5	2.1
06:00 AM - 07:00 AM	59.8	59.0	0.8	7.0	52.8	-	53.3	-0.5
07:00 AM - 08:00 AM	59.0	58.5	0.5	7.0	52.0	-	52.5	-0.5
08:00 AM - 09:00 AM	59.6	59.1	0.5	7.0	52.6	-	52.5	0.1
09:00 AM - 10:00 AM	60.6	59.5	1.1	7.0	53.6	-	52.0	1.6
10:00 AM - 11:00 AM	59.5	58.5	1.0	7.0	52.5	-	51.3	1.2
11:00 AM - 12:00 PM	59.6	58.5	1.1	7.0	52.6	-	50.7	1.9

ค่ามาตรฐาน

≤ 10

Reference Method : ISO 1996-1

### มาตรฐาน

- ประกาศกระทรวงอุตสาหกรรม เรื่อง กำหนดค่าระดับเสียงการรบกวนและระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548
  - ประกาศกรมโรงงานอุตสาหกรรม เรื่อง วิธีการตรวจวัดระดับเสียงรบกวน ระดับเสียงเฉลี่ย 24 ชั่วโมง และระดับเสียงสูงสุดที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2553
  - ประกาศกระทรวงสาธารณสุข เรื่อง กำหนดค่ามาตรฐานมลพิษทางเสียงอันเกิดจากการประกอบกิจการที่เป็นอันตรายต่อสุขภาพ พ.ศ. 2561
- ระดับเสียงจากแหล่งกำเนิด ทำการตรวจวัด วันที่ 19-20 ธันวาคม 2565  
ระดับเสียงพื้นฐานและระดับเสียงขณะไม่มีการรบกวน (Sample No.22144028-22 วันที่ตรวจวัด 19-20 ธันวาคม 2565)

The above results are valid only for the analyzed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

Approved by

Wilawan Borirak  
Assistant Manager



## Analysis / Test Report

TESTING  
No.0042

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

Lot ID: 22144026  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report Number : 2535170-1

P/O : RJN-BW-012/65

Project Name : Chonburi Bowin

Project Location :

Page 1 of 3

Sample No. 22144026-23  
Parameter เสียงรบกวน  
Location N4 : ที่พักอาศัยบริเวณหมู่ 5 บ้านสุรศักดิ์  
Measurement Date Dec 20 - 21, 2022  
Measurement by Jaradrawee Sriuksa  
Sound Level Meter 597168

### ระดับเสียง (dB(A))

เวลา	เสียงจาก แหล่งกำเนิด (A)	เสียงขณะ ไม่มีการรบกวน (B)	ผลต่าง ระดับเสียง (A-B)	ตัวปรับค่า (C)	ปรับค่าเสียงจากแหล่งกำเนิด (D)		เสียงพื้นฐาน (E)	ค่าระดับ การรบกวน (D-E)
					กลางวัน (A-C)	กลางคืน (A-C)+3		
12:00 PM - 01:00 PM	58.4	57.6	0.8	7.0	51.4	-	49.7	1.7
01:00 PM - 02:00 PM	60.7	59.4	1.3	7.0	53.7	-	48.2	5.5
02:00 PM - 03:00 PM	59.3	58.7	0.6	7.0	52.3	-	47.3	5.0
03:00 PM - 04:00 PM	59.0	57.9	1.1	7.0	52.0	-	48.8	3.2
04:00 PM - 05:00 PM	59.7	58.4	1.3	7.0	52.7	-	48.6	4.1
05:00 PM - 06:00 PM	56.7	55.8	0.9	7.0	49.7	-	49.0	0.7
06:00 PM - 07:00 PM	57.8	56.6	1.2	7.0	50.8	-	49.5	1.3
07:00 PM - 08:00 PM	56.4	55.2	1.2	7.0	49.4	-	48.8	0.6
08:00 PM - 09:00 PM	56.1	54.8	1.3	7.0	49.1	-	47.2	1.9
09:00 PM - 10:00 PM	57.2	55.8	1.4	7.0	50.2	-	46.6	3.6
10:00 PM - 10:05 PM	54.1	53.1	1.0	7.0	-	50.1	46.4	3.7
10:05 PM - 10:10 PM	53.6	52.1	1.5	4.5	-	52.1	45.8	6.3
10:10 PM - 10:15 PM	52.0	52.1	-0.1	7.0	-	48.0	46.7	1.3
10:15 PM - 10:20 PM	55.7	54.3	1.4	7.0	-	51.7	46.8	4.9
10:20 PM - 10:25 PM	52.3	51.4	0.9	7.0	-	48.3	46.0	2.3
10:25 PM - 10:30 PM	53.2	52.4	0.8	7.0	-	49.2	47.2	2.0
10:30 PM - 10:35 PM	52.5	51.3	1.2	7.0	-	48.5	46.8	1.7
10:35 PM - 10:40 PM	52.7	52.1	0.6	7.0	-	48.7	45.9	2.8
10:40 PM - 10:45 PM	52.4	52.6	-0.2	7.0	-	48.4	46.4	2.0
10:45 PM - 10:50 PM	60.7	59.2	1.5	4.5	-	59.2	46.0	13.2
10:50 PM - 10:55 PM	55.7	54.1	1.6	4.5	-	54.2	47.0	7.2
10:55 PM - 11:00 PM	55.3	53.7	1.6	4.5	-	53.8	46.6	7.2
11:00 PM - 11:05 PM	56.7	55.5	1.2	7.0	-	52.7	46.1	6.6
11:05 PM - 11:10 PM	54.2	54.0	0.2	7.0	-	50.2	45.1	5.1
11:10 PM - 11:15 PM	49.6	49.1	0.5	7.0	-	45.6	44.6	1.0
11:15 PM - 11:20 PM	53.0	51.3	1.7	4.5	-	51.5	43.9	7.6
11:20 PM - 11:25 PM	54.2	52.9	1.3	7.0	-	50.2	44.4	5.8
11:25 PM - 11:30 PM	51.3	52.5	-1.2	7.0	-	47.3	44.5	2.8
11:30 PM - 11:35 PM	57.0	54.8	2.2	4.5	-	55.5	45.5	10.0
11:35 PM - 11:40 PM	55.2	53.8	1.4	7.0	-	51.2	45.8	5.4
11:40 PM - 11:45 PM	54.2	53.6	0.6	7.0	-	50.2	46.6	3.6
11:45 PM - 11:50 PM	54.7	52.3	2.4	4.5	-	53.2	45.6	7.6
11:50 PM - 11:55 PM	57.6	55.4	2.2	4.5	-	56.1	45.6	10.5
11:55 PM - 12:00 AM	52.0	50.6	1.4	7.0	-	48.0	45.5	2.5
12:00 AM - 12:05 AM	48.7	50.0	-1.3	7.0	-	44.7	45.6	-0.9
12:05 AM - 12:10 AM	53.1	51.6	1.5	4.5	-	51.6	45.5	6.1
12:10 AM - 12:15 AM	51.1	50.6	0.5	7.0	-	47.1	45.3	1.8
12:15 AM - 12:20 AM	52.1	51.5	0.6	7.0	-	48.1	45.6	2.5
12:20 AM - 12:25 AM	50.1	49.3	0.8	7.0	-	46.1	45.0	1.1
12:25 AM - 12:30 AM	48.3	49.9	-1.6	7.0	-	44.3	45.4	-1.1

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Approved by

*Wilawan Borirak*

Wilawan Borirak  
Assistant Manager





## Analysis / Test Report

TESTING  
No.0042

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

Lot ID: 22144026  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report Number : 2535170-1

P/O : RJN-BW-012/65  
Project Name : Chonburi Bowin  
Project Location :

Page 2 of 3

Sample No. 22144026-23  
Parameter เสียงรบกวน  
Location N4 : ที่พักอาศัยบริเวณหมู่ 5 บ้านสุรศักดิ์  
Measurement Date Dec 20 - 21, 2022  
Measurement by Jaradrawee Sriuksa  
Sound Level Meter 597168

### ระดับเสียง (dB(A))

เวลา	เสียงจาก แหล่งกำเนิด (A)	เสียงขณะ ไม่มีการรบกวน (B)	ผลต่าง ระดับเสียง (A-B)	ตัวปรับค่า ปรับค่าเสียงจากแหล่งกำเนิด (C)	ปรับค่าเสียงจากแหล่งกำเนิด (D)		เสียงพื้นฐาน เสียงพื้น (E)	ค่าระดับ การรบกวน (D-E)
	กลางวัน (A-C)	กลางคืน (A-C)+3						
12:30 AM - 12:35 AM	52.1	51.2	0.9	7.0	-	48.1	45.6	2.5
12:35 AM - 12:40 AM	51.0	48.6	2.4	4.5	-	49.5	45.0	4.5
12:40 AM - 12:45 AM	53.8	52.5	1.3	7.0	-	49.8	45.7	4.1
12:45 AM - 12:50 AM	50.5	52.3	-1.8	7.0	-	46.5	45.1	1.4
12:50 AM - 12:55 AM	53.4	49.2	4.2	2.0	-	54.4	45.3	9.1
12:55 AM - 01:00 AM	52.6	52.7	-0.1	7.0	-	48.6	46.1	2.5
01:00 AM - 01:05 AM	52.7	50.3	2.4	4.5	-	51.2	45.6	5.6
01:05 AM - 01:10 AM	53.5	53.1	0.4	7.0	-	49.5	45.4	4.1
01:10 AM - 01:15 AM	52.5	51.6	0.9	7.0	-	48.5	46.1	2.4
01:15 AM - 01:20 AM	52.9	51.6	1.3	7.0	-	48.9	46.3	2.6
01:20 AM - 01:25 AM	51.7	50.8	0.9	7.0	-	47.7	45.3	2.4
01:25 AM - 01:30 AM	49.0	51.8	-2.8	7.0	-	45.0	44.8	0.2
01:30 AM - 01:35 AM	55.1	52.2	2.9	3.0	-	55.1	45.6	9.5
01:35 AM - 01:40 AM	51.4	50.7	0.7	7.0	-	47.4	45.2	2.2
01:40 AM - 01:45 AM	52.4	51.7	0.7	7.0	-	48.4	45.6	2.8
01:45 AM - 01:50 AM	53.7	52.6	1.1	7.0	-	49.7	45.4	4.3
01:50 AM - 01:55 AM	50.9	50.4	0.5	7.0	-	46.9	45.3	1.6
01:55 AM - 02:00 AM	54.1	53.6	0.5	7.0	-	50.1	46.5	3.6
02:00 AM - 02:05 AM	49.3	49.1	0.2	7.0	-	45.3	45.6	-0.3
02:05 AM - 02:10 AM	48.5	48.2	0.3	7.0	-	44.5	44.7	-0.2
02:10 AM - 02:15 AM	51.9	51.2	0.7	7.0	-	47.9	45.4	2.5
02:15 AM - 02:20 AM	49.0	48.1	0.9	7.0	-	45.0	43.9	1.1
02:20 AM - 02:25 AM	51.1	50.1	1.0	7.0	-	47.1	45.2	1.9
02:25 AM - 02:30 AM	52.4	52.0	0.4	7.0	-	48.4	45.6	2.8
02:30 AM - 02:35 AM	53.5	52.0	1.5	4.5	-	52.0	45.1	6.9
02:35 AM - 02:40 AM	48.4	48.7	-0.3	7.0	-	44.4	44.6	-0.2
02:40 AM - 02:45 AM	52.4	52.3	0.1	7.0	-	48.4	45.4	3.0
02:45 AM - 02:50 AM	56.4	55.3	1.1	7.0	-	52.4	46.3	6.1
02:50 AM - 02:55 AM	54.2	54.1	0.1	7.0	-	50.2	46.4	3.8
02:55 AM - 03:00 AM	52.4	49.3	3.1	3.0	-	52.4	45.4	7.0
03:00 AM - 03:05 AM	47.0	48.2	-1.2	7.0	-	43.0	44.9	-1.9
03:05 AM - 03:10 AM	53.6	53.1	0.5	7.0	-	49.6	45.9	3.7
03:10 AM - 03:15 AM	55.7	54.9	0.8	7.0	-	51.7	46.8	4.9
03:15 AM - 03:20 AM	50.7	47.2	3.5	2.0	-	51.7	44.3	7.4
03:20 AM - 03:25 AM	58.6	57.9	0.7	7.0	-	54.6	46.7	7.9
03:25 AM - 03:30 AM	53.3	52.9	0.4	7.0	-	49.3	44.9	4.4
03:30 AM - 03:35 AM	54.9	54.3	0.6	7.0	-	50.9	46.0	4.9
03:35 AM - 03:40 AM	55.8	53.8	2.0	4.5	-	54.3	45.9	8.4
03:40 AM - 03:45 AM	54.3	54.1	0.2	7.0	-	50.3	45.7	4.6
03:45 AM - 03:50 AM	57.6	56.1	1.5	4.5	-	56.1	45.6	10.5

The above results are valid only for the analyzed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

Approved by

Wilawan Borirak  
Assistant Manager





## Analysis / Test Report

TESTING  
No.0042

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

Lot ID: 22144026  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report Number : 2535170-1

P/O : RJN-BW-012/65

Project Name : Chonburi Bowin

Project Location :

Page 3 of 3

Sample No. 22144026-23  
Parameter เสียงรบกวน  
Location N4 : ที่พักอาศัยบริเวณหมู่ 5 บ้านสุรศักดิ์  
Measurement Date Dec 20 - 21, 2022  
Measurement by Jaradrawee Sriruksa  
Sound Level Meter 597168

### ระดับเสียง (dB(A))

เวลา	เสียงจากแหล่งกำเนิด (A)	เสียงขณะไม่มีการรบกวน (B)	ผลต่างระดับเสียง (A-B)	ตัวปรับค่า (C)	ปรับค่าเสียงจากแหล่งกำเนิด (D)		เสียงพื้นฐาน (E)	ค่าระดับการรบกวน (D-E)
					กลางวัน (A-C)	กลางคืน (A-C)+3		
03:50 AM - 03:55 AM	55.1	55.1	0.0	7.0	-	51.1	46.0	5.1
03:55 AM - 04:00 AM	55.5	53.5	2.0	4.5	-	54.0	45.1	8.9
04:00 AM - 04:05 AM	54.5	54.3	0.2	7.0	-	50.5	46.3	4.2
04:05 AM - 04:10 AM	54.5	52.9	1.6	4.5	-	53.0	45.5	7.5
04:10 AM - 04:15 AM	57.1	55.5	1.6	4.5	-	55.6	46.6	9.0
04:15 AM - 04:20 AM	54.3	54.4	-0.1	7.0	-	50.3	46.0	4.3
04:20 AM - 04:25 AM	56.2	55.0	1.2	7.0	-	52.2	45.5	6.7
04:25 AM - 04:30 AM	55.5	54.6	0.9	7.0	-	51.5	46.0	5.5
04:30 AM - 04:35 AM	56.5	55.8	0.7	7.0	-	52.5	47.6	4.9
04:35 AM - 04:40 AM	57.2	55.7	1.5	4.5	-	55.7	47.9	7.8
04:40 AM - 04:45 AM	55.4	54.6	0.8	7.0	-	51.4	47.5	3.9
04:45 AM - 04:50 AM	57.8	56.6	1.2	7.0	-	53.8	46.9	6.9
04:50 AM - 04:55 AM	56.2	54.9	1.3	7.0	-	52.2	48.4	3.8
04:55 AM - 05:00 AM	54.5	53.8	0.7	7.0	-	50.5	46.8	3.7
05:00 AM - 05:05 AM	55.2	54.7	0.5	7.0	-	51.2	47.1	4.1
05:05 AM - 05:10 AM	55.5	54.1	1.4	7.0	-	51.5	47.8	3.7
05:10 AM - 05:15 AM	57.1	56.2	0.9	7.0	-	53.1	47.9	5.2
05:15 AM - 05:20 AM	56.2	54.8	1.4	7.0	-	52.2	48.1	4.1
05:20 AM - 05:25 AM	59.5	58.7	0.8	7.0	-	55.5	49.0	6.5
05:25 AM - 05:30 AM	59.6	57.8	1.8	4.5	-	58.1	51.0	7.1
05:30 AM - 05:35 AM	58.2	57.1	1.1	7.0	-	54.2	50.1	4.1
05:35 AM - 05:40 AM	57.4	56.9	0.5	7.0	-	53.4	52.3	1.1
05:40 AM - 05:45 AM	57.4	56.3	1.1	7.0	-	53.4	52.3	1.1
05:45 AM - 05:50 AM	60.3	58.6	1.7	4.5	-	58.8	51.3	7.5
05:50 AM - 05:55 AM	59.1	58.0	1.1	7.0	-	55.1	53.4	1.7
05:55 AM - 06:00 AM	58.8	57.9	0.9	7.0	-	54.8	53.3	1.5
06:00 AM - 07:00 AM	59.9	58.7	1.2	7.0	52.9	-	53.4	-0.5
07:00 AM - 08:00 AM	59.6	58.5	1.1	7.0	52.6	-	52.8	-0.2
08:00 AM - 09:00 AM	61.8	60.4	1.4	7.0	54.8	-	51.8	3.0
09:00 AM - 10:00 AM	61.5	59.8	1.7	4.5	57.0	-	50.0	7.0
10:00 AM - 11:00 AM	59.6	57.9	1.7	4.5	55.1	-	50.2	4.9
11:00 AM - 12:00 PM	59.9	58.0	1.9	4.5	55.4	-	50.2	5.2

ค่ามาตรฐาน

≤ 10

Reference Method : ISO 1996-1

### มาตรฐาน

- ประกาศกระทรวงอุตสาหกรรม เรื่อง กำหนดค่าระดับเสียงการรบกวนและระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548
  - ประกาศกรมโรงงานอุตสาหกรรม เรื่อง วิธีการตรวจวัดระดับเสียงรบกวน ระดับเสียงเฉลี่ย 24 ชั่วโมง และระดับเสียงสูงสุดที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2553
  - ประกาศกระทรวงสาธารณสุข เรื่อง กำหนดค่ามาตรฐานมลพิษทางเสียงอันเกิดจากการประกอบกิจการที่เป็นอันตรายต่อสุขภาพ พ.ศ. 2561
- ระดับเสียงจากแหล่งกำเนิด ทำการตรวจวัด วันที่ 20-21 ธันวาคม 2565  
ระดับเสียงพื้นฐานและระดับเสียงขณะไม่มีการรบกวน (Sample No.22144028-23 วันที่ตรวจวัด 20-21 ธันวาคม 2565)

The above results are valid only for the analyzed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

Approved by

Wilawan Borirak  
Assistant Manager



## Analysis / Test Report

TESTING  
No.0042

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

Lot ID: 22144026  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report Number : 2535171-1

P/O : RJN-BW-012/65  
Project Name : Chonburi Bowin  
Project Location :

Page 1 of 3

Sample No. 22144026-24  
Parameter เสียงรบกวน  
Location N4 : ที่พักอาศัยบริเวณหมู่ 5 บ้านสุรศักดิ์  
Measurement Date Dec 21 - 22, 2022  
Measurement by Jaradrawee Sriuksa  
Sound Level Meter 597168

### ระดับเสียง (dB(A))

เวลา	เสียงจาก แหล่งกำเนิด <sup>(A)</sup>	เสียงขณะ ไม่มีการรบกวน <sup>(B)</sup>	ผลต่าง ระดับเสียง <sup>(A-B)</sup>	ตัวปรับค่า <sup>(C)</sup>	ปรับค่าเสียงจากแหล่งกำเนิด <sup>(B)</sup>		เสียงพื้นฐาน <sup>(E)</sup>	ค่าระดับ การรบกวน <sup>(D-E)</sup>
					กลางวัน <sup>(A-C)</sup>	กลางคืน <sup>(A-C)+3</sup>		
12:00 PM - 01:00 PM	58.7	57.3	1.4	7.0	51.7	-	49.8	1.9
01:00 PM - 02:00 PM	59.4	57.7	1.7	4.5	54.9	-	48.3	6.6
02:00 PM - 03:00 PM	61.1	59.0	2.1	4.5	56.6	-	48.7	7.9
03:00 PM - 04:00 PM	60.0	58.2	1.8	4.5	55.5	-	48.6	6.9
04:00 PM - 05:00 PM	59.2	57.5	1.7	4.5	54.7	-	48.1	6.6
05:00 PM - 06:00 PM	58.0	56.3	1.7	4.5	53.5	-	48.7	4.8
06:00 PM - 07:00 PM	57.6	56.0	1.6	4.5	53.1	-	49.9	3.2
07:00 PM - 08:00 PM	57.8	56.1	1.7	4.5	53.3	-	49.3	4.0
08:00 PM - 09:00 PM	59.9	58.2	1.7	4.5	55.4	-	47.6	7.8
09:00 PM - 10:00 PM	55.8	54.3	1.5	4.5	51.3	-	47.9	3.4
10:00 PM - 10:05 PM	54.2	53.5	0.7	7.0	-	50.2	47.8	2.4
10:05 PM - 10:10 PM	53.2	51.4	1.8	4.5	-	51.7	47.0	4.7
10:10 PM - 10:15 PM	50.0	51.1	-1.1	7.0	-	46.0	46.3	-0.3
10:15 PM - 10:20 PM	52.9	52.1	0.8	7.0	-	48.9	46.3	2.6
10:20 PM - 10:25 PM	53.4	51.6	1.8	4.5	-	51.9	46.0	5.9
10:25 PM - 10:30 PM	50.5	50.4	0.1	7.0	-	46.5	45.6	0.9
10:30 PM - 10:35 PM	50.7	50.6	0.1	7.0	-	46.7	45.8	0.9
10:35 PM - 10:40 PM	52.2	50.5	1.7	4.5	-	50.7	45.5	5.2
10:40 PM - 10:45 PM	51.4	53.7	-2.3	7.0	-	47.4	46.2	1.2
10:45 PM - 10:50 PM	54.5	51.0	3.5	2.0	-	55.5	46.2	9.3
10:50 PM - 10:55 PM	52.1	52.3	-0.2	7.0	-	48.1	46.1	2.0
10:55 PM - 11:00 PM	53.1	49.7	3.4	3.0	-	53.1	45.5	7.6
11:00 PM - 11:05 PM	51.3	51.2	0.1	7.0	-	47.3	45.7	1.6
11:05 PM - 11:10 PM	52.7	51.2	1.5	4.5	-	51.2	46.0	5.2
11:10 PM - 11:15 PM	53.4	52.5	0.9	7.0	-	49.4	45.6	3.8
11:15 PM - 11:20 PM	51.9	51.4	0.5	7.0	-	47.9	46.4	1.5
11:20 PM - 11:25 PM	52.0	54.4	-2.4	7.0	-	48.0	46.5	1.5
11:25 PM - 11:30 PM	55.4	52.6	2.8	3.0	-	55.4	45.8	9.6
11:30 PM - 11:35 PM	53.0	48.1	4.9	1.5	-	54.5	44.9	9.6
11:35 PM - 11:40 PM	48.5	52.6	-4.1	7.0	-	44.5	45.5	-1.0
11:40 PM - 11:45 PM	54.4	51.8	2.6	3.0	-	54.4	46.1	8.3
11:45 PM - 11:50 PM	51.7	49.8	1.9	4.5	-	50.2	45.2	5.0
11:50 PM - 11:55 PM	49.5	48.6	0.9	7.0	-	45.5	45.0	0.5
11:55 PM - 12:00 AM	48.7	49.6	-0.9	7.0	-	44.7	44.9	-0.2
12:00 AM - 12:05 AM	51.7	52.0	-0.3	7.0	-	47.7	45.3	2.4
12:05 AM - 12:10 AM	52.6	48.0	4.6	1.5	-	54.1	44.6	9.5
12:10 AM - 12:15 AM	47.2	50.1	-2.9	7.0	-	43.2	44.9	-1.7
12:15 AM - 12:20 AM	51.6	50.8	0.8	7.0	-	47.6	44.8	2.8
12:20 AM - 12:25 AM	52.7	51.9	0.8	7.0	-	48.7	45.9	2.8
12:25 AM - 12:30 AM	50.8	49.5	1.3	7.0	-	46.8	45.5	1.3

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Approved by

Wilawan Borirak  
Assistant Manager



## Analysis / Test Report

TESTING  
No.0042

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

Lot ID: 22144026  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report Number : 2535171-1

P/O : RJN-BW-012/65

Project Name : Chonburi Bowin

Project Location :

Page 2 of 3

Sample No. 22144026-24  
Parameter เสียงรบกวน  
Location N4 : ที่พักอาศัยบริเวณหมู่ 5 บ้านสุรศักดิ์  
Measurement Date Dec 21 - 22, 2022  
Measurement by Jaradrawee Sriuksa  
Sound Level Meter 597168

### ระดับเสียง (dB(A))

เวลา	เสียงจาก แหล่งกำเนิด (A)	เสียงขณะ ไม่มีการรบกวน (B)	ผลต่าง ระดับเสียง (A-B)	ตัวปรับค่า (C)	ปรับค่าเสียงจากแหล่งกำเนิด (D)		เสียงพื้นฐาน (E)	ค่าระดับ การรบกวน (D-E)
	กลางวัน (A-C)	กลางคืน (A-C)+3						
12:30 AM - 12:35 AM	51.1	50.5	0.6	7.0	-	47.1	45.9	1.2
12:35 AM - 12:40 AM	52.5	51.3	1.2	7.0	-	48.5	46.0	2.5
12:40 AM - 12:45 AM	49.4	49.6	-0.2	7.0	-	45.4	45.8	-0.4
12:45 AM - 12:50 AM	51.6	49.8	1.8	4.5	-	50.1	46.1	4.0
12:50 AM - 12:55 AM	49.3	51.2	-1.9	7.0	-	45.3	46.1	-0.8
12:55 AM - 01:00 AM	52.1	50.7	1.4	7.0	-	48.1	46.7	1.4
01:00 AM - 01:05 AM	56.1	55.3	0.8	7.0	-	52.1	47.3	4.8
01:05 AM - 01:10 AM	53.8	51.0	2.8	3.0	-	53.8	47.0	6.8
01:10 AM - 01:15 AM	48.4	50.6	-2.2	7.0	-	44.4	47.3	-2.9
01:15 AM - 01:20 AM	51.0	54.4	-3.4	7.0	-	47.0	47.5	-0.5
01:20 AM - 01:25 AM	57.6	54.5	3.1	3.0	-	57.6	46.8	10.8
01:25 AM - 01:30 AM	51.5	53.0	-1.5	7.0	-	47.5	46.7	0.8
01:30 AM - 01:35 AM	53.4	50.4	3.0	3.0	-	53.4	46.1	7.3
01:35 AM - 01:40 AM	51.5	51.7	-0.2	7.0	-	47.5	47.5	0.0
01:40 AM - 01:45 AM	52.6	50.6	2.0	4.5	-	51.1	45.3	5.8
01:45 AM - 01:50 AM	49.6	46.5	3.1	3.0	-	49.6	45.0	4.6
01:50 AM - 01:55 AM	48.1	50.0	-1.9	7.0	-	44.1	45.2	-1.1
01:55 AM - 02:00 AM	50.5	49.1	1.4	7.0	-	46.5	44.7	1.8
02:00 AM - 02:05 AM	50.2	51.5	-1.3	7.0	-	46.2	45.7	0.5
02:05 AM - 02:10 AM	52.6	50.4	2.2	4.5	-	51.1	44.9	6.2
02:10 AM - 02:15 AM	49.8	46.7	3.1	3.0	-	49.8	44.3	5.5
02:15 AM - 02:20 AM	54.0	52.3	1.7	4.5	-	52.5	45.1	7.4
02:20 AM - 02:25 AM	46.9	48.9	-2.0	7.0	-	42.9	45.1	-2.2
02:25 AM - 02:30 AM	50.1	49.0	1.1	7.0	-	46.1	45.3	0.8
02:30 AM - 02:35 AM	51.0	49.3	1.7	4.5	-	49.5	44.8	4.7
02:35 AM - 02:40 AM	47.5	47.9	-0.4	7.0	-	43.5	44.9	-1.4
02:40 AM - 02:45 AM	50.9	52.2	-1.3	7.0	-	46.9	45.3	1.6
02:45 AM - 02:50 AM	53.1	49.7	3.4	3.0	-	53.1	45.6	7.5
02:50 AM - 02:55 AM	52.6	55.2	-2.6	7.0	-	48.6	45.6	3.0
02:55 AM - 03:00 AM	54.7	52.1	2.6	3.0	-	54.7	45.0	9.7
03:00 AM - 03:05 AM	51.1	49.4	1.7	4.5	-	49.6	45.2	4.4
03:05 AM - 03:10 AM	52.7	50.7	2.0	4.5	-	51.2	45.6	5.6
03:10 AM - 03:15 AM	50.7	49.3	1.4	7.0	-	46.7	45.3	1.4
03:15 AM - 03:20 AM	51.5	53.3	-1.8	7.0	-	47.5	45.9	1.6
03:20 AM - 03:25 AM	55.1	52.3	2.8	3.0	-	55.1	45.3	9.8
03:25 AM - 03:30 AM	52.1	50.1	2.0	4.5	-	50.6	45.6	5.0
03:30 AM - 03:35 AM	51.6	55.1	-3.5	7.0	-	47.6	47.4	0.2
03:35 AM - 03:40 AM	55.6	52.4	3.2	3.0	-	55.6	46.1	9.5
03:40 AM - 03:45 AM	52.6	50.7	1.9	4.5	-	51.1	46.5	4.6
03:45 AM - 03:50 AM	51.5	52.4	-0.9	7.0	-	47.5	47.0	0.5

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Approved by

Wilawan Borirak  
Assistant Manager



## Analysis / Test Report

TESTING  
No.0042

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

Lot ID: 22144026  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report Number : 2535171-1

P/O : RJN-BW-012/65  
Project Name : Chonburi Bowin  
Project Location :

Page 3 of 3

Sample No. 22144026-24  
Parameter เสียงรบกวน  
Location N4 : ที่พักอาศัยบริเวณหมู่ 5 บ้านสุรศักดิ์  
Measurement Date Dec 21 - 22, 2022  
Measurement by Jaradrawee Sriruksa  
Sound Level Meter 597168

### ระดับเสียง (dB(A))

เวลา	เสียงจากแหล่งกำเนิด (A)	เสียงขณะไม่มีการรบกวน (B)	ผลต่างระดับเสียง (A-B)	ตัวปรับค่า (C)	ปรับค่าเสียงจากแหล่งกำเนิด (D)		เสียงพื้นฐาน (E)	ค่าระดับการรบกวน (D-E)
					กลางวัน (A-C)	กลางคืน (A-C)+3		
03:50 AM - 03:55 AM	53.7	53.8	-0.1	7.0	-	49.7	46.8	2.9
03:55 AM - 04:00 AM	54.6	54.3	0.3	7.0	-	50.6	47.5	3.1
04:00 AM - 04:05 AM	54.6	50.9	3.7	2.0	-	55.6	46.6	9.0
04:05 AM - 04:10 AM	51.7	52.3	-0.6	7.0	-	47.7	46.7	1.0
04:10 AM - 04:15 AM	53.9	53.9	0.0	7.0	-	49.9	47.3	2.6
04:15 AM - 04:20 AM	55.4	53.5	1.9	4.5	-	53.9	46.4	7.5
04:20 AM - 04:25 AM	53.5	55.0	-1.5	7.0	-	49.5	47.1	2.4
04:25 AM - 04:30 AM	56.5	53.4	3.1	3.0	-	56.5	46.2	10.3
04:30 AM - 04:35 AM	54.9	52.9	2.0	4.5	-	53.4	46.7	6.7
04:35 AM - 04:40 AM	53.3	51.5	1.8	4.5	-	51.8	47.0	4.8
04:40 AM - 04:45 AM	53.2	55.2	-2.0	7.0	-	49.2	47.5	1.7
04:45 AM - 04:50 AM	56.3	53.9	2.4	4.5	-	54.8	47.8	7.0
04:50 AM - 04:55 AM	56.3	56.5	-0.2	7.0	-	52.3	47.3	5.0
04:55 AM - 05:00 AM	57.5	54.9	2.6	3.0	-	57.5	47.4	10.1
05:00 AM - 05:05 AM	56.8	55.7	1.1	7.0	-	52.8	47.7	5.1
05:05 AM - 05:10 AM	56.7	55.5	1.2	7.0	-	52.7	48.4	4.3
05:10 AM - 05:15 AM	56.8	54.6	2.2	4.5	-	55.3	47.9	7.4
05:15 AM - 05:20 AM	55.8	55.2	0.6	7.0	-	51.8	48.3	3.5
05:20 AM - 05:25 AM	57.0	57.2	-0.2	7.0	-	53.0	49.2	3.8
05:25 AM - 05:30 AM	58.7	56.3	2.4	4.5	-	57.2	49.9	7.3
05:30 AM - 05:35 AM	58.0	61.6	-3.6	7.0	-	54.0	50.3	3.7
05:35 AM - 05:40 AM	63.1	56.9	6.2	1.5	-	64.6	50.6	14.0
05:40 AM - 05:45 AM	56.6	57.7	-1.1	7.0	-	52.6	50.8	1.8
05:45 AM - 05:50 AM	59.7	58.1	1.6	4.5	-	58.2	51.6	6.6
05:50 AM - 05:55 AM	59.1	59.1	0.0	7.0	-	55.1	51.7	3.4
05:55 AM - 06:00 AM	59.9	58.2	1.7	4.5	-	58.4	53.7	4.7
06:00 AM - 07:00 AM	59.9	58.8	1.1	7.0	52.9	-	53.6	-0.7
07:00 AM - 08:00 AM	61.1	59.7	1.4	7.0	54.1	-	53.1	1.0
08:00 AM - 09:00 AM	60.2	58.6	1.6	4.5	55.7	-	51.8	3.9
09:00 AM - 10:00 AM	59.9	58.5	1.4	7.0	52.9	-	52.3	0.6
10:00 AM - 11:00 AM	60.2	58.4	1.8	4.5	55.7	-	50.7	5.0
11:00 AM - 12:00 PM	59.4	57.6	1.8	4.5	54.9	-	49.0	5.9

ค่ามาตรฐาน

≤ 10

Reference Method : ISO 1996-1

### มาตรฐาน

- ประกาศกระทรวงอุตสาหกรรม เรื่อง กำหนดค่าระดับเสียงการรบกวนและระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548
  - ประกาศกรมโรงงานอุตสาหกรรม เรื่อง วิธีการตรวจวัดระดับเสียงรบกวน ระดับเสียงเฉลี่ย 24 ชั่วโมง และระดับเสียงสูงสุดที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2553
  - ประกาศกระทรวงสาธารณสุข เรื่อง กำหนดค่ามาตรฐานมลพิษทางเสียงอันเกิดจากการประกอบกิจการที่เป็นอันตรายต่อสุขภาพ พ.ศ. 2561
- ระดับเสียงจากแหล่งกำเนิด ทำการตรวจวัด วันที่ 21-22 ธันวาคม 2565  
ระดับเสียงพื้นฐานและระดับเสียงขณะไม่มีการรบกวน (Sample No.22144028-24 วันที่ตรวจวัด 21-22 ธันวาคม 2565)

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Approved by

Wilawan Borirak  
Assistant Manager



## Analysis / Test Report

TESTING  
No.0042

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

Lot ID: 22144026  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report Number : 2535172-1

P/O : RJN-BW-012/65

Project Name : Chonburi Bowin

Project Location :

Page 1 of 3

Sample No. 22144026-25  
Parameter เสียงรบกวน  
Location N4 : ที่พักอาศัยบริเวณหมู่ 5 บ้านสุรศักดิ์  
Measurement Date Dec 22 - 23, 2022  
Measurement by Jaradrawee Sriuksa  
Sound Level Meter 597168

### ระดับเสียง (dB(A))

เวลา	เสียงจาก แหล่งกำเนิด <sup>(A)</sup>	เสียงขณะ ไม่มีการรบกวน <sup>(B)</sup>	ผลต่าง ระดับเสียง <sup>(A-B)</sup>	ตัวปรับค่า <sup>(C)</sup>	ปรับค่าเสียงจากแหล่งกำเนิด <sup>(B)</sup>		เสียงพื้นฐาน <sup>(E)</sup>	ค่าระดับ การรบกวน <sup>(D-E)</sup>
					กลางวัน <sup>(A-C)</sup>	กลางคืน <sup>(A-C)+3</sup>		
12:00 PM - 01:00 PM	59.0	57.1	1.9	4.5	54.5	-	47.0	7.5
01:00 PM - 02:00 PM	58.9	57.6	1.3	7.0	51.9	-	47.7	4.2
02:00 PM - 03:00 PM	58.6	56.5	2.1	4.5	54.1	-	46.0	8.1
03:00 PM - 04:00 PM	60.7	58.3	2.4	4.5	56.2	-	46.2	10.0
04:00 PM - 05:00 PM	58.3	56.5	1.8	4.5	53.8	-	47.9	5.9
05:00 PM - 06:00 PM	57.6	56.0	1.6	4.5	53.1	-	48.6	4.5
06:00 PM - 07:00 PM	57.7	56.4	1.3	7.0	50.7	-	50.0	0.7
07:00 PM - 08:00 PM	57.2	55.6	1.6	4.5	52.7	-	49.0	3.7
08:00 PM - 09:00 PM	56.0	54.4	1.6	4.5	51.5	-	47.6	3.9
09:00 PM - 10:00 PM	54.8	53.5	1.3	7.0	47.8	-	46.7	1.1
10:00 PM - 10:05 PM	53.6	51.9	1.7	4.5	-	52.1	46.3	5.8
10:05 PM - 10:10 PM	51.9	52.6	-0.7	7.0	-	47.9	46.4	1.5
10:10 PM - 10:15 PM	54.3	50.3	4.0	2.0	-	55.3	45.8	9.5
10:15 PM - 10:20 PM	51.4	51.5	-0.1	7.0	-	47.4	46.2	1.2
10:20 PM - 10:25 PM	51.9	52.0	-0.1	7.0	-	47.9	45.9	2.0
10:25 PM - 10:30 PM	54.2	52.2	2.0	4.5	-	52.7	45.8	6.9
10:30 PM - 10:35 PM	50.3	51.8	-1.5	7.0	-	46.3	45.8	0.5
10:35 PM - 10:40 PM	53.1	51.9	1.2	7.0	-	49.1	46.2	2.9
10:40 PM - 10:45 PM	53.9	54.1	-0.2	7.0	-	49.9	46.4	3.5
10:45 PM - 10:50 PM	55.9	51.7	4.2	2.0	-	56.9	46.2	10.7
10:50 PM - 10:55 PM	50.9	53.8	-2.9	7.0	-	46.9	46.9	0.0
10:55 PM - 11:00 PM	54.7	55.3	-0.6	7.0	-	50.7	45.7	5.0
11:00 PM - 11:05 PM	57.5	55.7	1.8	4.5	-	56.0	46.3	9.7
11:05 PM - 11:10 PM	56.4	52.9	3.5	2.0	-	57.4	46.2	11.2
11:10 PM - 11:15 PM	53.5	51.3	2.2	4.5	-	52.0	45.6	6.4
11:15 PM - 11:20 PM	52.7	50.2	2.5	3.0	-	52.7	45.3	7.4
11:20 PM - 11:25 PM	51.6	52.2	-0.6	7.0	-	47.6	45.6	2.0
11:25 PM - 11:30 PM	53.9	51.1	2.8	3.0	-	53.9	45.1	8.8
11:30 PM - 11:35 PM	49.6	52.1	-2.5	7.0	-	45.6	45.5	0.1
11:35 PM - 11:40 PM	53.3	48.2	5.1	1.5	-	54.8	45.2	9.6
11:40 PM - 11:45 PM	48.9	49.0	-0.1	7.0	-	44.9	45.5	-0.6
11:45 PM - 11:50 PM	51.9	51.9	0.0	7.0	-	47.9	46.2	1.7
11:50 PM - 11:55 PM	54.5	52.5	2.0	4.5	-	53.0	45.9	7.1
11:55 PM - 12:00 AM	47.2	48.7	-1.5	7.0	-	43.2	45.7	-2.5
12:00 AM - 12:05 AM	48.4	50.1	-1.7	7.0	-	44.4	45.6	-1.2
12:05 AM - 12:10 AM	52.1	54.5	-2.4	7.0	-	48.1	46.3	1.8
12:10 AM - 12:15 AM	51.7	47.4	4.3	2.0	-	52.7	45.6	7.1
12:15 AM - 12:20 AM	47.0	51.1	-4.1	7.0	-	43.0	46.0	-3.0
12:20 AM - 12:25 AM	51.9	51.2	0.7	7.0	-	47.9	45.9	2.0
12:25 AM - 12:30 AM	53.4	50.6	2.8	3.0	-	53.4	45.8	7.6

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Approved by

Wilawan Borirak  
Assistant Manager



## Analysis / Test Report

TESTING  
No.0042

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

Lot ID: 22144026  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report Number : 2535172-1

P/O : RJN-BW-012/65  
Project Name : Chonburi Bowin  
Project Location :

Page 2 of 3

Sample No. 22144026-25  
Parameter เสียงรบกวน  
Location N4 : ที่พักอาศัยบริเวณหมู่ 5 บ้านสุรศักดิ์  
Measurement Date Dec 22 - 23, 2022  
Measurement by Jaradrawee Sriuksa  
Sound Level Meter 597168

### ระดับเสียง (dB(A))

เวลา	เสียงจาก แหล่งกำเนิด (A)	เสียงขณะ ไม่มีการรบกวน (B)	ผลต่าง ระดับเสียง (A-B)	ตัวปรับค่า (C)	ปรับค่าเสียงจากแหล่งกำเนิด (D)		เสียงพื้นฐาน (E)	ค่าระดับ การรบกวน (D-E)
	กลางวัน (A-C)	กลางคืน (A-C)+3						
12:30 AM - 12:35 AM	47.7	51.9	-4.2	7.0	-	43.7	45.8	-2.1
12:35 AM - 12:40 AM	53.1	55.8	-2.7	7.0	-	49.1	45.9	3.2
12:40 AM - 12:45 AM	57.7	50.9	6.8	1.0	-	59.7	46.1	13.6
12:45 AM - 12:50 AM	49.1	48.2	0.9	7.0	-	45.1	45.4	-0.3
12:50 AM - 12:55 AM	55.7	54.3	1.4	7.0	-	51.7	45.5	6.2
12:55 AM - 01:00 AM	48.9	53.4	-4.5	7.0	-	44.9	46.4	-1.5
01:00 AM - 01:05 AM	54.9	51.7	3.2	3.0	-	54.9	46.5	8.4
01:05 AM - 01:10 AM	52.8	51.5	1.3	7.0	-	48.8	46.2	2.6
01:10 AM - 01:15 AM	50.2	51.4	-1.2	7.0	-	46.2	45.7	0.5
01:15 AM - 01:20 AM	53.1	51.4	1.7	4.5	-	51.6	46.4	5.2
01:20 AM - 01:25 AM	52.2	51.3	0.9	7.0	-	48.2	45.9	2.3
01:25 AM - 01:30 AM	51.3	52.7	-1.4	7.0	-	47.3	45.1	2.2
01:30 AM - 01:35 AM	55.2	54.2	1.0	7.0	-	51.2	45.3	5.9
01:35 AM - 01:40 AM	53.7	52.4	1.3	7.0	-	49.7	45.1	4.6
01:40 AM - 01:45 AM	53.5	50.1	3.4	3.0	-	53.5	45.4	8.1
01:45 AM - 01:50 AM	51.9	50.5	1.4	7.0	-	47.9	45.8	2.1
01:50 AM - 01:55 AM	49.4	52.6	-3.2	7.0	-	45.4	44.6	0.8
01:55 AM - 02:00 AM	57.0	49.9	7.1	1.0	-	59.0	44.7	14.3
02:00 AM - 02:05 AM	50.4	51.8	-1.4	7.0	-	46.4	44.9	1.5
02:05 AM - 02:10 AM	56.6	54.0	2.6	3.0	-	56.6	45.5	11.1
02:10 AM - 02:15 AM	50.9	56.1	-5.2	7.0	-	46.9	45.8	1.1
02:15 AM - 02:20 AM	57.9	53.1	4.8	1.5	-	59.4	46.3	13.1
02:20 AM - 02:25 AM	53.4	52.2	1.2	7.0	-	49.4	45.1	4.3
02:25 AM - 02:30 AM	52.8	50.7	2.1	4.5	-	51.3	44.7	6.6
02:30 AM - 02:35 AM	48.9	50.8	-1.9	7.0	-	44.9	44.8	0.1
02:35 AM - 02:40 AM	52.4	49.6	2.8	3.0	-	52.4	44.8	7.6
02:40 AM - 02:45 AM	50.6	51.9	-1.3	7.0	-	46.6	45.7	0.9
02:45 AM - 02:50 AM	52.5	49.3	3.2	3.0	-	52.5	44.5	8.0
02:50 AM - 02:55 AM	51.0	52.3	-1.3	7.0	-	47.0	45.3	1.7
02:55 AM - 03:00 AM	51.9	54.5	-2.6	7.0	-	47.9	45.9	2.0
03:00 AM - 03:05 AM	55.3	52.9	2.4	4.5	-	53.8	45.1	8.7
03:05 AM - 03:10 AM	54.4	50.7	3.7	2.0	-	55.4	45.0	10.4
03:10 AM - 03:15 AM	54.2	54.0	0.2	7.0	-	50.2	46.2	4.0
03:15 AM - 03:20 AM	53.8	53.2	0.6	7.0	-	49.8	45.6	4.2
03:20 AM - 03:25 AM	52.5	55.4	-2.9	7.0	-	48.5	45.8	2.7
03:25 AM - 03:30 AM	54.8	54.2	0.6	7.0	-	50.8	44.9	5.9
03:30 AM - 03:35 AM	52.2	48.3	3.9	2.0	-	53.2	44.9	8.3
03:35 AM - 03:40 AM	54.0	54.0	0.0	7.0	-	50.0	46.1	3.9
03:40 AM - 03:45 AM	52.9	54.4	-1.5	7.0	-	48.9	45.8	3.1
03:45 AM - 03:50 AM	55.6	53.6	2.0	4.5	-	54.1	46.3	7.8

The above results are valid only for the analyzed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

Approved by

Wilawan Borirak  
Assistant Manager





## Analysis / Test Report

TESTING  
No.0042

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

Lot ID: 22144026  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report Number : 2535172-1

P/O : RJN-BW-012/65

Project Name : Chonburi Bowin

Project Location :

Page 3 of 3

Sample No. 22144026-25  
Parameter เสียงรบกวน  
Location N4 : ที่พักอาศัยบริเวณหมู่ 5 บ้านสุรศักดิ์  
Measurement Date Dec 22 - 23, 2022  
Measurement by Jaradrawee Sriruksa  
Sound Level Meter 597168

### ระดับเสียง (dB(A))

เวลา	เสียงจากแหล่งกำเนิด (A)	เสียงขณะไม่มีการรบกวน (B)	ผลต่างระดับเสียง (A-B)	ตัวปรับค่า (C)	ปรับค่าเสียงจากแหล่งกำเนิด (D)		เสียงพื้นฐาน (E)	ค่าระดับการรบกวน (D-E)
					กลางวัน (A-C)	กลางคืน (A-C)+3		
03:50 AM - 03:55 AM	56.6	55.8	0.8	7.0	-	52.6	46.0	6.6
03:55 AM - 04:00 AM	55.1	52.2	2.9	3.0	-	55.1	46.9	8.2
04:00 AM - 04:05 AM	52.2	52.8	-0.6	7.0	-	48.2	46.8	1.4
04:05 AM - 04:10 AM	54.2	53.8	0.4	7.0	-	50.2	47.2	3.0
04:10 AM - 04:15 AM	55.2	55.6	-0.4	7.0	-	51.2	47.9	3.3
04:15 AM - 04:20 AM	57.8	55.4	2.4	4.5	-	56.3	47.4	8.9
04:20 AM - 04:25 AM	55.4	54.1	1.3	7.0	-	51.4	46.5	4.9
04:25 AM - 04:30 AM	53.1	54.8	-1.7	7.0	-	49.1	47.4	1.7
04:30 AM - 04:35 AM	57.5	58.0	-0.5	7.0	-	53.5	49.1	4.4
04:35 AM - 04:40 AM	58.1	56.5	1.6	4.5	-	56.6	49.0	7.6
04:40 AM - 04:45 AM	56.4	54.6	1.8	4.5	-	54.9	47.7	7.2
04:45 AM - 04:50 AM	56.0	53.3	2.7	3.0	-	56.0	47.3	8.7
04:50 AM - 04:55 AM	55.4	58.0	-2.6	7.0	-	51.4	49.2	2.2
04:55 AM - 05:00 AM	58.3	53.5	4.8	1.5	-	59.8	45.8	14.0
05:00 AM - 05:05 AM	55.6	56.3	-0.7	7.0	-	51.6	46.8	4.8
05:05 AM - 05:10 AM	56.7	55.9	0.8	7.0	-	52.7	48.1	4.6
05:10 AM - 05:15 AM	57.1	55.1	2.0	4.5	-	55.6	47.9	7.7
05:15 AM - 05:20 AM	59.5	60.5	-1.0	7.0	-	55.5	47.6	7.9
05:20 AM - 05:25 AM	60.5	57.8	2.7	3.0	-	60.5	50.2	10.3
05:25 AM - 05:30 AM	57.0	58.6	-1.6	7.0	-	53.0	48.4	4.6
05:30 AM - 05:35 AM	59.8	56.6	3.2	3.0	-	59.8	48.7	11.1
05:35 AM - 05:40 AM	57.3	55.4	1.9	4.5	-	55.8	49.3	6.5
05:40 AM - 05:45 AM	56.7	57.8	-1.1	7.0	-	52.7	51.1	1.6
05:45 AM - 05:50 AM	58.3	58.5	-0.2	7.0	-	54.3	50.6	3.7
05:50 AM - 05:55 AM	58.9	59.0	-0.1	7.0	-	54.9	52.1	2.8
05:55 AM - 06:00 AM	59.9	58.4	1.5	4.5	-	58.4	51.7	6.7
06:00 AM - 07:00 AM	60.0	59.1	0.9	7.0	53.0	-	53.0	0.0
07:00 AM - 08:00 AM	60.1	58.7	1.4	7.0	53.1	-	50.8	2.3
08:00 AM - 09:00 AM	59.9	58.2	1.7	4.5	55.4	-	49.3	6.1
09:00 AM - 10:00 AM	60.3	58.3	2.0	4.5	55.8	-	48.6	7.2
10:00 AM - 11:00 AM	59.9	57.9	2.0	4.5	55.4	-	47.3	8.1
11:00 AM - 12:00 PM	59.6	57.4	2.2	4.5	55.1	-	46.9	8.2

ค่ามาตรฐาน

≤ 10

Reference Method : ISO 1996-1

### มาตรฐาน

- ประกาศกระทรวงอุตสาหกรรม เรื่อง กำหนดค่าระดับเสียงการรบกวนและระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548
  - ประกาศกรมโรงงานอุตสาหกรรม เรื่อง วิธีการตรวจวัดระดับเสียงรบกวน ระดับเสียงเฉลี่ย 24 ชั่วโมง และระดับเสียงสูงสุดที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2553
  - ประกาศกระทรวงสาธารณสุข เรื่อง กำหนดค่ามาตรฐานมลพิษทางเสียงอันเกิดจากการประกอบกิจการที่เป็นอันตรายต่อสุขภาพ พ.ศ. 2561
- ระดับเสียงจากแหล่งกำเนิด ทำการตรวจวัด วันที่ 22-23 ธันวาคม 2565  
ระดับเสียงพื้นฐานและระดับเสียงขณะไม่มีการรบกวน (Sample No.22144028-25 วันที่ตรวจวัด 22-23 ธันวาคม 2565)

The above results are valid only for the analyzed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

Approved by

Wilawan Borirak  
Assistant Manager





## Analysis / Test Report

TESTING  
No.0042

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

Lot ID: 22144026  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report Number : 2535173-1

P/O : RJN-BW-012/65

Project Name : Chonburi Bowin

Project Location :

Page 1 of 3

Sample No. 22144026-26  
Parameter เสียงรบกวน  
Location N4 : ที่พักอาศัยบริเวณหมู่ 5 บ้านสุรศักดิ์  
Measurement Date Dec 23 - 24, 2022  
Measurement by Jaradrawee Sriuksa  
Sound Level Meter 597168

### ระดับเสียง (dB(A))

เวลา	เสียงจาก แหล่งกำเนิด <sup>(A)</sup>	เสียงขณะ ไม่มีการรบกวน <sup>(B)</sup>	ผลต่าง ระดับเสียง <sup>(A-B)</sup>	ตัวปรับค่า <sup>(C)</sup>	ปรับค่าเสียงจากแหล่งกำเนิด <sup>(B)</sup>		เสียงพื้นฐาน <sup>(E)</sup>	ค่าระดับ การรบกวน <sup>(D-E)</sup>
					กลางวัน <sup>(A-C)</sup>	กลางคืน <sup>(A-C)+3</sup>		
12:00 PM - 01:00 PM	60.4	57.8	2.6	3.0	57.4	-	45.6	11.8
01:00 PM - 02:00 PM	57.9	56.3	1.6	4.5	53.4	-	47.5	5.9
02:00 PM - 03:00 PM	58.8	57.1	1.7	4.5	54.3	-	48.7	5.6
03:00 PM - 04:00 PM	59.5	57.8	1.7	4.5	55.0	-	48.4	6.6
04:00 PM - 05:00 PM	58.8	57.1	1.7	4.5	54.3	-	49.9	4.4
05:00 PM - 06:00 PM	58.3	56.4	1.9	4.5	53.8	-	49.6	4.2
06:00 PM - 07:00 PM	56.8	55.4	1.4	7.0	49.8	-	50.1	-0.3
07:00 PM - 08:00 PM	58.3	56.5	1.8	4.5	53.8	-	49.0	4.8
08:00 PM - 09:00 PM	55.7	54.9	0.8	7.0	48.7	-	48.0	0.7
09:00 PM - 10:00 PM	56.2	55.0	1.2	7.0	49.2	-	47.2	2.0
10:00 PM - 10:05 PM	56.9	52.1	4.8	1.5	-	58.4	47.4	11.0
10:05 PM - 10:10 PM	51.9	51.5	0.4	7.0	-	47.9	47.2	0.7
10:10 PM - 10:15 PM	57.2	58.9	-1.7	7.0	-	53.2	48.5	4.7
10:15 PM - 10:20 PM	53.9	54.0	-0.1	7.0	-	49.9	48.2	1.7
10:20 PM - 10:25 PM	58.9	57.8	1.1	7.0	-	54.9	48.2	6.7
10:25 PM - 10:30 PM	52.4	54.2	-1.8	7.0	-	48.4	48.2	0.2
10:30 PM - 10:35 PM	55.5	52.7	2.8	3.0	-	55.5	47.0	8.5
10:35 PM - 10:40 PM	54.3	54.5	-0.2	7.0	-	50.3	46.9	3.4
10:40 PM - 10:45 PM	55.4	52.8	2.6	3.0	-	55.4	47.1	8.3
10:45 PM - 10:50 PM	52.9	52.6	0.3	7.0	-	48.9	46.9	2.0
10:50 PM - 10:55 PM	54.4	51.6	2.8	3.0	-	54.4	46.3	8.1
10:55 PM - 11:00 PM	50.9	51.0	-0.1	7.0	-	46.9	45.5	1.4
11:00 PM - 11:05 PM	53.6	53.1	0.5	7.0	-	49.6	46.3	3.3
11:05 PM - 11:10 PM	53.8	53.8	0.0	7.0	-	49.8	46.2	3.6
11:10 PM - 11:15 PM	54.6	51.9	2.7	3.0	-	54.6	46.1	8.5
11:15 PM - 11:20 PM	55.3	54.5	0.8	7.0	-	51.3	47.1	4.2
11:20 PM - 11:25 PM	53.5	56.0	-2.5	7.0	-	49.5	45.6	3.9
11:25 PM - 11:30 PM	57.9	50.7	7.2	1.0	-	59.9	45.9	14.0
11:30 PM - 11:35 PM	55.9	55.3	0.6	7.0	-	51.9	45.5	6.4
11:35 PM - 11:40 PM	52.3	54.6	-2.3	7.0	-	48.3	46.2	2.1
11:40 PM - 11:45 PM	55.6	50.0	5.6	1.5	-	57.1	45.1	12.0
11:45 PM - 11:50 PM	51.3	55.2	-3.9	7.0	-	47.3	45.5	1.8
11:50 PM - 11:55 PM	57.4	54.7	2.7	3.0	-	57.4	46.5	10.9
11:55 PM - 12:00 AM	55.3	51.1	4.2	2.0	-	56.3	45.8	10.5
12:00 AM - 12:05 AM	51.1	48.9	2.2	4.5	-	49.6	45.3	4.3
12:05 AM - 12:10 AM	50.7	50.6	0.1	7.0	-	46.7	46.4	0.3
12:10 AM - 12:15 AM	50.8	52.9	-2.1	7.0	-	46.8	45.4	1.4
12:15 AM - 12:20 AM	53.9	53.2	0.7	7.0	-	49.9	45.7	4.2
12:20 AM - 12:25 AM	55.6	52.1	3.5	2.0	-	56.6	45.4	11.2
12:25 AM - 12:30 AM	51.6	51.0	0.6	7.0	-	47.6	45.7	1.9

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Approved by

*Wilawan Borirak*

Wilawan Borirak  
Assistant Manager



## Analysis / Test Report

**TESTING**  
**No.0042**

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

Lot ID: 22144026  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report Number : 2535173-1

P/O : RJN-BW-012/65

Project Name : Chonburi Bowin

Project Location :

Sample No. 22144026-26  
Parameter เสียงรบกวน  
Location N4 : ที่พักอาศัยบริเวณหมู่ 5 บ้านสุรศักดิ์  
Measurement Date Dec 23 - 24, 2022  
Measurement by Jaradrawee Sriruksa  
Sound Level Meter 597168

### ระดับเสียง (dB(A))

เวลา	(A) เสียงจากแหล่งกำเนิด	(B) เสียงขณะไม่มีการรบกวน	(A-B) ผลต่างระดับเสียง	(C) ตัวปรับค่า	(D) ปรับค่าเสียงจากแหล่งกำเนิด		(E) เสียงพื้นฐาน	(D-E) ค่าระดับการรบกวน
					(A-C) กลางวัน	(A-C)+3 กลางคืน		
12:30 AM - 12:35 AM	50.3	51.1	-0.8	7.0	-	46.3	45.3	1.0
12:35 AM - 12:40 AM	49.0	51.2	-2.2	7.0	-	45.0	45.5	-0.5
12:40 AM - 12:45 AM	52.4	51.4	1.0	7.0	-	48.4	46.0	2.4
12:45 AM - 12:50 AM	52.0	51.2	0.8	7.0	-	48.0	45.4	2.6
12:50 AM - 12:55 AM	55.9	54.2	1.7	4.5	-	54.4	46.0	8.4
12:55 AM - 01:00 AM	50.7	55.3	-4.6	7.0	-	46.7	46.6	0.1
01:00 AM - 01:05 AM	56.1	50.2	5.9	1.5	-	57.6	46.7	10.9
01:05 AM - 01:10 AM	49.8	47.0	2.8	3.0	-	49.8	45.8	4.0
01:10 AM - 01:15 AM	47.2	50.7	-3.5	7.0	-	43.2	46.6	-3.4
01:15 AM - 01:20 AM	53.9	52.7	1.2	7.0	-	49.9	45.9	4.0
01:20 AM - 01:25 AM	52.6	50.9	1.7	4.5	-	51.1	46.2	4.9
01:25 AM - 01:30 AM	50.7	52.2	-1.5	7.0	-	46.7	45.8	0.9
01:30 AM - 01:35 AM	53.6	51.7	1.9	4.5	-	52.1	46.2	5.9
01:35 AM - 01:40 AM	52.0	50.3	1.7	4.5	-	50.5	45.6	4.9
01:40 AM - 01:45 AM	53.5	53.6	-0.1	7.0	-	49.5	46.3	3.2
01:45 AM - 01:50 AM	52.1	51.9	0.2	7.0	-	48.1	45.5	2.6
01:50 AM - 01:55 AM	53.7	48.8	4.9	1.5	-	55.2	45.5	9.7
01:55 AM - 02:00 AM	47.7	49.1	-1.4	7.0	-	43.7	45.5	-1.8
02:00 AM - 02:05 AM	50.0	49.2	0.8	7.0	-	46.0	45.6	0.4
02:05 AM - 02:10 AM	48.8	50.5	-1.7	7.0	-	44.8	45.4	-0.6
02:10 AM - 02:15 AM	52.8	52.9	-0.1	7.0	-	48.8	45.0	3.8
02:15 AM - 02:20 AM	52.2	50.1	2.1	4.5	-	50.7	44.8	5.9
02:20 AM - 02:25 AM	51.7	51.9	-0.2	7.0	-	47.7	45.9	1.8
02:25 AM - 02:30 AM	51.5	49.8	1.7	4.5	-	50.0	45.4	4.6
02:30 AM - 02:35 AM	53.2	52.6	0.6	7.0	-	49.2	46.0	3.2
02:35 AM - 02:40 AM	54.1	52.4	1.7	4.5	-	52.6	44.4	8.2
02:40 AM - 02:45 AM	51.2	50.5	0.7	7.0	-	47.2	44.9	2.3
02:45 AM - 02:50 AM	51.4	51.1	0.3	7.0	-	47.4	44.6	2.8
02:50 AM - 02:55 AM	54.6	51.9	2.7	3.0	-	54.6	45.2	9.4
02:55 AM - 03:00 AM	49.8	50.3	-0.5	7.0	-	45.8	44.7	1.1
03:00 AM - 03:05 AM	50.4	46.8	3.6	2.0	-	51.4	44.3	7.1
03:05 AM - 03:10 AM	45.2	47.9	-2.7	7.0	-	41.2	44.8	-3.6
03:10 AM - 03:15 AM	49.9	50.9	-1.0	7.0	-	45.9	45.2	0.7
03:15 AM - 03:20 AM	52.2	51.2	1.0	7.0	-	48.2	45.0	3.2
03:20 AM - 03:25 AM	55.0	52.9	2.1	4.5	-	53.5	45.1	8.4
03:25 AM - 03:30 AM	50.4	51.8	-1.4	7.0	-	46.4	45.4	1.0
03:30 AM - 03:35 AM	52.7	50.6	2.1	4.5	-	51.2	45.3	5.9
03:35 AM - 03:40 AM	52.1	51.8	0.3	7.0	-	48.1	45.8	2.3
03:40 AM - 03:45 AM	54.6	56.2	-1.6	7.0	-	50.6	46.1	4.5
03:45 AM - 03:50 AM	56.5	54.0	2.5	3.0	-	56.5	46.0	10.5

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Approved by

*Wilawan Borirak*

Wilawan Borirak  
Assistant Manager



## Analysis / Test Report

TESTING  
No.0042

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

Lot ID: 22144026  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report Number : 2535173-1

P/O : RJN-BW-012/65

Project Name : Chonburi Bowin

Project Location :

Page 3 of 3

Sample No. 22144026-26  
Parameter เสียงรบกวน  
Location N4 : ที่พักอาศัยบริเวณหมู่ 5 บ้านสุรศักดิ์  
Measurement Date Dec 23 - 24, 2022  
Measurement by Jaradrawee Sriruksa  
Sound Level Meter 597168

### ระดับเสียง (dB(A))

เวลา	เสียงจากแหล่งกำเนิด (A)	เสียงขณะไม่มีการรบกวน (B)	ผลต่างระดับเสียง (A-B)	ตัวปรับค่า (C)	ปรับค่าเสียงจากแหล่งกำเนิด (D)		เสียงพื้นฐาน (E)	ค่าระดับการรบกวน (D-E)
					กลางวัน (A-C)	กลางคืน (A-C)+3		
03:50 AM - 03:55 AM	53.3	51.8	1.5	4.5	-	51.8	45.4	6.4
03:55 AM - 04:00 AM	51.9	55.6	-3.7	7.0	-	47.9	45.4	2.5
04:00 AM - 04:05 AM	58.6	53.5	5.1	1.5	-	60.1	45.2	14.9
04:05 AM - 04:10 AM	50.7	50.0	0.7	7.0	-	46.7	45.5	1.2
04:10 AM - 04:15 AM	52.0	53.2	-1.2	7.0	-	48.0	45.0	3.0
04:15 AM - 04:20 AM	57.1	58.8	-1.7	7.0	-	53.1	46.4	6.7
04:20 AM - 04:25 AM	60.0	52.4	7.6	0.5	-	62.5	46.6	15.9
04:25 AM - 04:30 AM	52.5	51.1	1.4	7.0	-	48.5	44.9	3.6
04:30 AM - 04:35 AM	52.2	51.9	0.3	7.0	-	48.2	45.5	2.7
04:35 AM - 04:40 AM	52.1	50.9	1.2	7.0	-	48.1	45.9	2.2
04:40 AM - 04:45 AM	51.4	52.8	-1.4	7.0	-	47.4	47.5	-0.1
04:45 AM - 04:50 AM	54.8	54.6	0.2	7.0	-	50.8	47.8	3.0
04:50 AM - 04:55 AM	56.2	52.4	3.8	2.0	-	57.2	46.7	10.5
04:55 AM - 05:00 AM	53.9	53.0	0.9	7.0	-	49.9	47.2	2.7
05:00 AM - 05:05 AM	53.6	52.8	0.8	7.0	-	49.6	46.2	3.4
05:05 AM - 05:10 AM	53.4	54.5	-1.1	7.0	-	49.4	47.2	2.2
05:10 AM - 05:15 AM	56.7	54.8	1.9	4.5	-	55.2	47.8	7.4
05:15 AM - 05:20 AM	55.1	54.1	1.0	7.0	-	51.1	48.0	3.1
05:20 AM - 05:25 AM	54.6	53.9	0.7	7.0	-	50.6	48.0	2.6
05:25 AM - 05:30 AM	55.4	57.3	-1.9	7.0	-	51.4	48.5	2.9
05:30 AM - 05:35 AM	58.5	55.5	3.0	3.0	-	58.5	47.9	10.6
05:35 AM - 05:40 AM	57.5	56.5	1.0	7.0	-	53.5	49.1	4.4
05:40 AM - 05:45 AM	57.5	55.9	1.6	4.5	-	56.0	50.0	6.0
05:45 AM - 05:50 AM	56.2	55.6	0.6	7.0	-	52.2	47.9	4.3
05:50 AM - 05:55 AM	56.4	54.3	2.1	4.5	-	54.9	49.8	5.1
05:55 AM - 06:00 AM	56.1	58.4	-2.3	7.0	-	52.1	51.7	0.4
06:00 AM - 07:00 AM	59.3	58.6	0.7	7.0	52.3	-	51.9	0.4
07:00 AM - 08:00 AM	59.1	57.5	1.6	4.5	54.6	-	49.8	4.8
08:00 AM - 09:00 AM	59.0	57.1	1.9	4.5	54.5	-	49.1	5.4
09:00 AM - 10:00 AM	59.2	57.7	1.5	4.5	54.7	-	51.0	3.7
10:00 AM - 11:00 AM	58.6	56.9	1.7	4.5	54.1	-	49.9	4.2
11:00 AM - 12:00 PM	59.5	58.2	1.3	7.0	52.5	-	49.3	3.2

ค่ามาตรฐาน

≤ 10

Reference Method : ISO 1996-1

### มาตรฐาน

- ประกาศกระทรวงอุตสาหกรรม เรื่อง กำหนดค่าระดับเสียงการรบกวนและระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548
  - ประกาศกรมโรงงานอุตสาหกรรม เรื่อง วิธีการตรวจวัดระดับเสียงรบกวน ระดับเสียงเฉลี่ย 24 ชั่วโมง และระดับเสียงสูงสุดที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2553
  - ประกาศกระทรวงสาธารณสุข เรื่อง กำหนดค่ามาตรฐานมลพิษทางเสียงอันเกิดจากการประกอบกิจการที่เป็นอันตรายต่อสุขภาพ พ.ศ. 2561
- ระดับเสียงจากแหล่งกำเนิด ทำการตรวจวัด วันที่ 23-24 ธันวาคม 2565  
ระดับเสียงพื้นฐานและระดับเสียงขณะไม่มีการรบกวน (Sample No.22144028-26 วันที่ตรวจวัด 23-24 ธันวาคม 2565)

The above results are valid only for the analyzed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

Approved by

Wilawan Borirak  
Assistant Manager



## Analysis / Test Report

TESTING  
No.0042

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

Lot ID: 22144026  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report Number : 2535174-1

P/O : RJN-BW-012/65  
Project Name : Chonburi Bowin  
Project Location :

Page 1 of 3

Sample No. 22144026-27  
Parameter เสียงรบกวน  
Location N4 : ที่พักอาศัยบริเวณหมู่ 5 บ้านสุรศักดิ์  
Measurement Date Dec 24 - 25, 2022  
Measurement by Jaradrawee Sriuksa  
Sound Level Meter 597168

### ระดับเสียง (dB(A))

เวลา	เสียงจาก แหล่งกำเนิด (A)	เสียงขณะ ไม่มีการรบกวน (B)	ผลต่าง ระดับเสียง (A-B)	ตัวปรับค่า (C)	ปรับค่าเสียงจากแหล่งกำเนิด (D)		เสียงพื้นฐาน (E)	ค่าระดับ การรบกวน (D-E)
	แหล่งกำเนิด				กลางวัน (A-C)	กลางคืน (A-C)+3		
12:00 PM - 01:00 PM	57.7	56.0	1.7	4.5	53.2	-	49.5	3.7
01:00 PM - 02:00 PM	57.5	55.9	1.6	4.5	53.0	-	47.9	5.1
02:00 PM - 03:00 PM	56.8	55.3	1.5	4.5	52.3	-	48.1	4.2
03:00 PM - 04:00 PM	57.0	55.7	1.3	7.0	50.0	-	47.7	2.3
04:00 PM - 05:00 PM	58.5	56.8	1.7	4.5	54.0	-	49.6	4.4
05:00 PM - 06:00 PM	57.2	55.2	2.0	4.5	52.7	-	47.9	4.8
06:00 PM - 07:00 PM	56.3	54.8	1.5	4.5	51.8	-	49.0	2.8
07:00 PM - 08:00 PM	54.9	53.8	1.1	7.0	47.9	-	48.0	-0.1
08:00 PM - 09:00 PM	55.4	53.6	1.8	4.5	50.9	-	47.1	3.8
09:00 PM - 10:00 PM	53.4	52.5	0.9	7.0	46.4	-	46.5	-0.1
10:00 PM - 10:05 PM	52.8	53.2	-0.4	7.0	-	48.8	46.7	2.1
10:05 PM - 10:10 PM	55.7	52.0	3.7	2.0	-	56.7	46.7	10.0
10:10 PM - 10:15 PM	52.0	51.0	1.0	7.0	-	48.0	46.8	1.2
10:15 PM - 10:20 PM	51.8	51.9	-0.1	7.0	-	47.8	46.9	0.9
10:20 PM - 10:25 PM	53.6	52.3	1.3	7.0	-	49.6	47.0	2.6
10:25 PM - 10:30 PM	50.7	54.7	-4.0	7.0	-	46.7	46.9	-0.2
10:30 PM - 10:35 PM	53.1	53.3	-0.2	7.0	-	49.1	46.9	2.2
10:35 PM - 10:40 PM	56.7	52.4	4.3	2.0	-	57.7	46.9	10.8
10:40 PM - 10:45 PM	51.7	50.4	1.3	7.0	-	47.7	47.0	0.7
10:45 PM - 10:50 PM	52.5	49.9	2.6	3.0	-	52.5	45.5	7.0
10:50 PM - 10:55 PM	52.2	50.9	1.3	7.0	-	48.2	46.3	1.9
10:55 PM - 11:00 PM	49.2	50.4	-1.2	7.0	-	45.2	47.6	-2.4
11:00 PM - 11:05 PM	51.9	52.1	-0.2	7.0	-	47.9	47.2	0.7
11:05 PM - 11:10 PM	50.4	50.7	-0.3	7.0	-	46.4	47.0	-0.6
11:10 PM - 11:15 PM	53.0	49.4	3.6	2.0	-	54.0	47.0	7.0
11:15 PM - 11:20 PM	51.4	50.3	1.1	7.0	-	47.4	47.2	0.2
11:20 PM - 11:25 PM	49.6	51.3	-1.7	7.0	-	45.6	47.5	-1.9
11:25 PM - 11:30 PM	50.4	51.7	-1.3	7.0	-	46.4	47.1	-0.7
11:30 PM - 11:35 PM	52.8	52.5	0.3	7.0	-	48.8	46.8	2.0
11:35 PM - 11:40 PM	51.7	53.1	-1.4	7.0	-	47.7	46.4	1.3
11:40 PM - 11:45 PM	54.6	49.7	4.9	1.5	-	56.1	46.9	9.2
11:45 PM - 11:50 PM	53.1	51.0	2.1	4.5	-	51.6	47.0	4.6
11:50 PM - 11:55 PM	49.0	54.5	-5.5	7.0	-	45.0	47.3	-2.3
11:55 PM - 12:00 AM	56.0	52.6	3.4	3.0	-	56.0	46.7	9.3
12:00 AM - 12:05 AM	50.5	64.1	-13.6	7.0	-	46.5	47.3	-0.8
12:05 AM - 12:10 AM	54.1	53.8	0.3	7.0	-	50.1	47.6	2.5
12:10 AM - 12:15 AM	64.4	55.9	8.5	0.5	-	66.9	46.7	20.2
12:15 AM - 12:20 AM	52.4	48.9	3.5	2.0	-	53.4	46.2	7.2
12:20 AM - 12:25 AM	56.8	53.4	3.4	3.0	-	56.8	48.8	8.0
12:25 AM - 12:30 AM	49.8	50.5	-0.7	7.0	-	45.8	48.0	-2.2

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Approved by

*Wilawan Borirak*

Wilawan Borirak  
Assistant Manager



## Analysis / Test Report

TESTING  
No.0042

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

Lot ID: 22144026  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report Number : 2535174-1

P/O : RJN-BW-012/65

Project Name : Chonburi Bowin

Project Location :

Sample No. 22144026-27  
Parameter เสียงรบกวน  
Location N4 : ที่พักอาศัยบริเวณหมู่ 5 บ้านสุรศักดิ์  
Measurement Date Dec 24 - 25, 2022  
Measurement by Jaradrawee Sriruksa  
Sound Level Meter 597168

### ระดับเสียง (dB(A))

เวลา	(A) เสียงจากแหล่งกำเนิด	(B) เสียงขณะไม่มีการรบกวน	(A-B) ผลต่างระดับเสียง	(C) ตัวปรับค่า	(D) ปรับค่าเสียงจากแหล่งกำเนิด		(E) เสียงพื้นฐาน	(D-E) ค่าระดับการรบกวน
					(A-C) กลางวัน	(A-C)+3 กลางคืน		
12:30 AM - 12:35 AM	52.3	51.6	0.7	7.0	-	48.3	48.1	0.2
12:35 AM - 12:40 AM	50.6	53.0	-2.4	7.0	-	46.6	48.3	-1.7
12:40 AM - 12:45 AM	51.1	52.7	-1.6	7.0	-	47.1	48.2	-1.1
12:45 AM - 12:50 AM	54.1	52.9	1.2	7.0	-	50.1	48.6	1.5
12:50 AM - 12:55 AM	54.2	51.6	2.6	3.0	-	54.2	48.2	6.0
12:55 AM - 01:00 AM	52.1	52.6	-0.5	7.0	-	48.1	47.3	0.8
01:00 AM - 01:05 AM	51.4	51.2	0.2	7.0	-	47.4	46.9	0.5
01:05 AM - 01:10 AM	52.6	50.9	1.7	4.5	-	51.1	46.5	4.6
01:10 AM - 01:15 AM	49.9	52.0	-2.1	7.0	-	45.9	46.5	-0.6
01:15 AM - 01:20 AM	54.1	49.8	4.3	2.0	-	55.1	46.5	8.6
01:20 AM - 01:25 AM	50.2	50.6	-0.4	7.0	-	46.2	45.5	0.7
01:25 AM - 01:30 AM	51.6	49.3	2.3	4.5	-	50.1	45.0	5.1
01:30 AM - 01:35 AM	49.3	55.8	-6.5	7.0	-	45.3	46.2	-0.9
01:35 AM - 01:40 AM	54.2	51.5	2.7	3.0	-	54.2	45.3	8.9
01:40 AM - 01:45 AM	55.3	49.9	5.4	1.5	-	56.8	44.7	12.1
01:45 AM - 01:50 AM	49.0	49.2	-0.2	7.0	-	45.0	45.2	-0.2
01:50 AM - 01:55 AM	50.3	49.7	0.6	7.0	-	46.3	45.3	1.0
01:55 AM - 02:00 AM	49.3	49.6	-0.3	7.0	-	45.3	44.8	0.5
02:00 AM - 02:05 AM	50.4	49.4	1.0	7.0	-	46.4	45.2	1.2
02:05 AM - 02:10 AM	50.7	50.0	0.7	7.0	-	46.7	45.3	1.4
02:10 AM - 02:15 AM	50.2	49.9	0.3	7.0	-	46.2	44.9	1.3
02:15 AM - 02:20 AM	51.1	46.7	4.4	2.0	-	52.1	44.2	7.9
02:20 AM - 02:25 AM	49.3	47.4	1.9	4.5	-	47.8	44.8	3.0
02:25 AM - 02:30 AM	47.6	52.4	-4.8	7.0	-	43.6	45.2	-1.6
02:30 AM - 02:35 AM	48.7	54.3	-5.6	7.0	-	44.7	44.6	0.1
02:35 AM - 02:40 AM	57.5	58.2	-0.7	7.0	-	53.5	44.2	9.3
02:40 AM - 02:45 AM	59.7	54.4	5.3	1.5	-	61.2	44.1	17.1
02:45 AM - 02:50 AM	52.3	51.5	0.8	7.0	-	48.3	43.8	4.5
02:50 AM - 02:55 AM	55.1	46.1	9.0	0.5	-	57.6	43.5	14.1
02:55 AM - 03:00 AM	49.3	46.5	2.8	3.0	-	49.3	43.7	5.6
03:00 AM - 03:05 AM	45.3	48.3	-3.0	7.0	-	41.3	44.1	-2.8
03:05 AM - 03:10 AM	47.5	48.3	-0.8	7.0	-	43.5	44.5	-1.0
03:10 AM - 03:15 AM	49.1	52.2	-3.1	7.0	-	45.1	44.6	0.5
03:15 AM - 03:20 AM	50.2	50.7	-0.5	7.0	-	46.2	44.0	2.2
03:20 AM - 03:25 AM	53.5	49.2	4.3	2.0	-	54.5	44.2	10.3
03:25 AM - 03:30 AM	48.5	49.5	-1.0	7.0	-	44.5	43.8	0.7
03:30 AM - 03:35 AM	51.8	50.6	1.2	7.0	-	47.8	43.2	4.6
03:35 AM - 03:40 AM	50.8	54.0	-3.2	7.0	-	46.8	45.1	1.7
03:40 AM - 03:45 AM	53.0	49.0	4.0	2.0	-	54.0	43.3	10.7
03:45 AM - 03:50 AM	53.6	47.8	5.8	1.5	-	55.1	43.9	11.2

The above results are valid only for the analyzed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

Approved by

Wilawan Borirak  
Assistant Manager



## Analysis / Test Report

TESTING  
No.0042

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

Lot ID: 22144026  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report Number : 2535174-1

P/O : RJN-BW-012/65

Project Name : Chonburi Bowin

Project Location :

Page 3 of 3

Sample No. 22144026-27  
Parameter เสียงรบกวน  
Location N4 : ที่พักอาศัยบริเวณหมู่ 5 บ้านสุรศักดิ์  
Measurement Date Dec 24 - 25, 2022  
Measurement by Jaradrawee Sriruksa  
Sound Level Meter 597168

### ระดับเสียง (dB(A))

เวลา	เสียงจากแหล่งกำเนิด (A)	เสียงขณะไม่มีการรบกวน (B)	ผลต่างระดับเสียง (A-B)	ตัวปรับค่า (C)	ปรับค่าเสียงจากแหล่งกำเนิด (D)		เสียงพื้นฐาน (E)	ค่าระดับการรบกวน (D-E)
					กลางวัน (A-C)	กลางคืน (A-C)+3		
03:50 AM - 03:55 AM	47.6	52.7	-5.1	7.0	-	43.6	44.5	-0.9
03:55 AM - 04:00 AM	51.6	52.8	-1.2	7.0	-	47.6	44.9	2.7
04:00 AM - 04:05 AM	53.4	51.1	2.3	4.5	-	51.9	44.8	7.1
04:05 AM - 04:10 AM	51.8	52.3	-0.5	7.0	-	47.8	45.4	2.4
04:10 AM - 04:15 AM	54.1	52.2	1.9	4.5	-	52.6	44.1	8.5
04:15 AM - 04:20 AM	50.4	53.2	-2.8	7.0	-	46.4	44.4	2.0
04:20 AM - 04:25 AM	54.0	48.5	5.5	1.5	-	55.5	43.9	11.6
04:25 AM - 04:30 AM	53.5	50.5	3.0	3.0	-	53.5	44.3	9.2
04:30 AM - 04:35 AM	49.3	51.1	-1.8	7.0	-	45.3	44.2	1.1
04:35 AM - 04:40 AM	52.6	57.6	-5.0	7.0	-	48.6	45.1	3.5
04:40 AM - 04:45 AM	51.3	54.8	-3.5	7.0	-	47.3	46.3	1.0
04:45 AM - 04:50 AM	60.9	53.4	7.5	0.5	-	63.4	45.8	17.6
04:50 AM - 04:55 AM	52.5	54.2	-1.7	7.0	-	48.5	46.4	2.1
04:55 AM - 05:00 AM	55.3	53.3	2.0	4.5	-	53.8	46.6	7.2
05:00 AM - 05:05 AM	53.5	52.0	1.5	4.5	-	52.0	45.8	6.2
05:05 AM - 05:10 AM	53.8	53.7	0.1	7.0	-	49.8	45.6	4.2
05:10 AM - 05:15 AM	53.0	52.1	0.9	7.0	-	49.0	45.7	3.3
05:15 AM - 05:20 AM	53.6	56.5	-2.9	7.0	-	49.6	46.9	2.7
05:20 AM - 05:25 AM	54.4	54.0	0.4	7.0	-	50.4	46.4	4.0
05:25 AM - 05:30 AM	55.9	53.0	2.9	3.0	-	55.9	45.7	10.2
05:30 AM - 05:35 AM	54.4	55.6	-1.2	7.0	-	50.4	46.4	4.0
05:35 AM - 05:40 AM	54.9	55.5	-0.6	7.0	-	50.9	46.4	4.5
05:40 AM - 05:45 AM	54.8	56.6	-1.8	7.0	-	50.8	46.7	4.1
05:45 AM - 05:50 AM	57.0	54.4	2.6	3.0	-	57.0	47.1	9.9
05:50 AM - 05:55 AM	56.6	56.3	0.3	7.0	-	52.6	47.7	4.9
05:55 AM - 06:00 AM	55.7	54.1	1.6	4.5	-	54.2	47.5	6.7
06:00 AM - 07:00 AM	57.3	56.3	1.0	7.0	50.3	-	49.2	1.1
07:00 AM - 08:00 AM	56.9	55.4	1.5	4.5	52.4	-	48.0	4.4
08:00 AM - 09:00 AM	56.3	55.3	1.0	7.0	49.3	-	50.1	-0.8
09:00 AM - 10:00 AM	59.1	57.8	1.3	7.0	52.1	-	49.7	2.4
10:00 AM - 11:00 AM	57.6	55.4	2.2	4.5	53.1	-	49.0	4.1
11:00 AM - 12:00 PM	57.4	54.9	2.5	3.0	54.4	-	47.6	6.8

ค่ามาตรฐาน

≤ 10

Reference Method : ISO 1996-1

### มาตรฐาน

- ประกาศกระทรวงอุตสาหกรรม เรื่อง กำหนดค่าระดับเสียงการรบกวนและระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548
  - ประกาศกรมโรงงานอุตสาหกรรม เรื่อง วิธีการตรวจวัดระดับเสียงรบกวน ระดับเสียงเฉลี่ย 24 ชั่วโมง และระดับเสียงสูงสุดที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2553
  - ประกาศกระทรวงสาธารณสุข เรื่อง กำหนดค่ามาตรฐานมลพิษทางเสียงอันเกิดจากการประกอบกิจการที่เป็นอันตรายต่อสุขภาพ พ.ศ. 2561
- ระดับเสียงจากแหล่งกำเนิด ทำการตรวจวัด วันที่ 24-25 ธันวาคม 2565  
ระดับเสียงพื้นฐานและระดับเสียงขณะไม่มีการรบกวน (Sample No.22144028-27 วันที่ตรวจวัด 24-25 ธันวาคม 2565)

The above results are valid only for the analyzed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

Approved by

Wilawan Borirak  
Assistant Manager





## Analysis / Test Report

TESTING  
No.0042

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

Lot ID: 22144026  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report Number : 2535175-1

P/O : RJN-BW-012/65  
Project Name : Chonburi Bowin  
Project Location :

Page 1 of 3

Sample No. 22144026-28  
Parameter เสียงรบกวน  
Location N4 : ที่พักอาศัยบริเวณหมู่ 5 บ้านสุรศักดิ์  
Measurement Date Dec 25 - 26, 2022  
Measurement by Jaradrawee Sriuksa  
Sound Level Meter 597168

### ระดับเสียง (dB(A))

เวลา	เสียงจาก แหล่งกำเนิด (A)	เสียงขณะ ไม่มีการรบกวน (B)	ผลต่าง ระดับเสียง (A-B)	ตัวปรับค่า ระดับเสียง (C)	ปรับค่าเสียงจากแหล่งกำเนิด (D)		เสียงพื้นฐาน (E)	ค่าระดับ การรบกวน (D-E)
					กลางวัน (A-C)	กลางคืน (A-C)+3		
12:00 PM - 01:00 PM	55.7	54.4	1.3	7.0	48.7	-	46.8	1.9
01:00 PM - 02:00 PM	53.8	53.0	0.8	7.0	46.8	-	44.9	1.9
02:00 PM - 03:00 PM	55.1	53.9	1.2	7.0	48.1	-	45.8	2.3
03:00 PM - 04:00 PM	54.7	53.5	1.2	7.0	47.7	-	46.2	1.5
04:00 PM - 05:00 PM	57.0	55.3	1.7	4.5	52.5	-	46.9	5.6
05:00 PM - 06:00 PM	54.9	53.3	1.6	4.5	50.4	-	47.0	3.4
06:00 PM - 07:00 PM	54.7	53.5	1.2	7.0	47.7	-	48.2	-0.5
07:00 PM - 08:00 PM	55.9	54.7	1.2	7.0	48.9	-	47.5	1.4
08:00 PM - 09:00 PM	53.2	52.2	1.0	7.0	46.2	-	46.8	-0.6
09:00 PM - 10:00 PM	52.4	50.8	1.6	4.5	47.9	-	46.2	1.7
10:00 PM - 10:05 PM	48.7	51.0	-2.3	7.0	-	44.7	45.6	-0.9
10:05 PM - 10:10 PM	51.9	53.6	-1.7	7.0	-	47.9	46.3	1.6
10:10 PM - 10:15 PM	55.4	48.6	6.8	1.0	-	57.4	46.1	11.3
10:15 PM - 10:20 PM	49.7	50.8	-1.1	7.0	-	45.7	46.9	-1.2
10:20 PM - 10:25 PM	50.9	51.5	-0.6	7.0	-	46.9	46.0	0.9
10:25 PM - 10:30 PM	49.0	49.9	-0.9	7.0	-	45.0	46.3	-1.3
10:30 PM - 10:35 PM	53.4	49.7	3.7	2.0	-	54.4	46.0	8.4
10:35 PM - 10:40 PM	49.5	53.2	-3.7	7.0	-	45.5	45.5	0.0
10:40 PM - 10:45 PM	50.7	51.5	-0.8	7.0	-	46.7	45.5	1.2
10:45 PM - 10:50 PM	54.3	49.0	5.3	1.5	-	55.8	45.4	10.4
10:50 PM - 10:55 PM	49.6	49.1	0.5	7.0	-	45.6	45.0	0.6
10:55 PM - 11:00 PM	49.6	51.4	-1.8	7.0	-	45.6	45.4	0.2
11:00 PM - 11:05 PM	51.3	54.1	-2.8	7.0	-	47.3	46.6	0.7
11:05 PM - 11:10 PM	50.4	49.8	0.6	7.0	-	46.4	45.4	1.0
11:10 PM - 11:15 PM	54.8	49.9	4.9	1.5	-	56.3	45.2	11.1
11:15 PM - 11:20 PM	51.7	50.1	1.6	4.5	-	50.2	45.0	5.2
11:20 PM - 11:25 PM	50.8	48.8	2.0	4.5	-	49.3	44.8	4.5
11:25 PM - 11:30 PM	47.7	45.9	1.8	4.5	-	46.2	44.3	1.9
11:30 PM - 11:35 PM	49.5	47.8	1.7	4.5	-	48.0	44.4	3.6
11:35 PM - 11:40 PM	45.2	50.7	-5.5	7.0	-	41.2	45.1	-3.9
11:40 PM - 11:45 PM	52.5	46.9	5.6	1.5	-	54.0	45.1	8.9
11:45 PM - 11:50 PM	46.9	47.4	-0.5	7.0	-	42.9	45.3	-2.4
11:50 PM - 11:55 PM	46.1	46.1	0.0	7.0	-	42.1	44.9	-2.8
11:55 PM - 12:00 AM	47.3	46.9	0.4	7.0	-	43.3	44.9	-1.6
12:00 AM - 12:05 AM	46.2	48.2	-2.0	7.0	-	42.2	44.6	-2.4
12:05 AM - 12:10 AM	46.6	49.1	-2.5	7.0	-	42.6	44.7	-2.1
12:10 AM - 12:15 AM	50.4	48.1	2.3	4.5	-	48.9	45.0	3.9
12:15 AM - 12:20 AM	49.6	46.6	3.0	3.0	-	49.6	44.5	5.1
12:20 AM - 12:25 AM	45.4	51.9	-6.5	7.0	-	41.4	46.0	-4.6
12:25 AM - 12:30 AM	52.4	49.7	2.7	3.0	-	52.4	45.6	6.8

The above results are valid only for the analyzed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

Approved by

*Wilawan Borirak*

Wilawan Borirak  
Assistant Manager





## Analysis / Test Report

TESTING  
No.0042

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

Lot ID: 22144026  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report Number : 2535175-1

P/O : RJN-BW-012/65  
Project Name : Chonburi Bowin  
Project Location :

Page 2 of 3

Sample No. 22144026-28  
Parameter เสียงรบกวน  
Location N4 : ที่พักอาศัยบริเวณหมู่ 5 บ้านสุรศักดิ์  
Measurement Date Dec 25 - 26, 2022  
Measurement by Jaradrawee Sriuksa  
Sound Level Meter 597168

### ระดับเสียง (dB(A))

เวลา	เสียงจาก แหล่งกำเนิด (A)	เสียงขณะ ไม่มีการรบกวน (B)	ผลต่าง ระดับเสียง (A-B)	ตัวปรับค่า (C)	ปรับค่าเสียงจากแหล่งกำเนิด (D)		เสียงพื้นฐาน (E)	ค่าระดับ การรบกวน (D-E)
	กลางวัน (A-C)	กลางคืน (A-C)+3						
12:30 AM - 12:35 AM	49.7	48.1	1.6	4.5	-	48.2	45.6	2.6
12:35 AM - 12:40 AM	49.4	49.9	-0.5	7.0	-	45.4	45.7	-0.3
12:40 AM - 12:45 AM	48.2	48.6	-0.4	7.0	-	44.2	45.1	-0.9
12:45 AM - 12:50 AM	50.6	48.8	1.8	4.5	-	49.1	45.0	4.1
12:50 AM - 12:55 AM	50.2	50.8	-0.6	7.0	-	46.2	45.3	0.9
12:55 AM - 01:00 AM	49.0	47.3	1.7	4.5	-	47.5	43.9	3.6
01:00 AM - 01:05 AM	50.8	47.7	3.1	3.0	-	50.8	44.3	6.5
01:05 AM - 01:10 AM	48.1	48.0	0.1	7.0	-	44.1	43.7	0.4
01:10 AM - 01:15 AM	46.0	50.5	-4.5	7.0	-	42.0	44.4	-2.4
01:15 AM - 01:20 AM	49.1	48.5	0.6	7.0	-	45.1	44.7	0.4
01:20 AM - 01:25 AM	52.0	49.5	2.5	3.0	-	52.0	44.1	7.9
01:25 AM - 01:30 AM	47.0	48.8	-1.8	7.0	-	43.0	44.4	-1.4
01:30 AM - 01:35 AM	51.8	48.1	3.7	2.0	-	52.8	44.3	8.5
01:35 AM - 01:40 AM	48.2	45.5	2.7	3.0	-	48.2	44.0	4.2
01:40 AM - 01:45 AM	47.6	48.0	-0.4	7.0	-	43.6	43.8	-0.2
01:45 AM - 01:50 AM	44.0	51.2	-7.2	7.0	-	40.0	44.6	-4.6
01:50 AM - 01:55 AM	53.4	49.7	3.7	2.0	-	54.4	44.2	10.2
01:55 AM - 02:00 AM	46.8	45.6	1.2	7.0	-	42.8	43.7	-0.9
02:00 AM - 02:05 AM	49.6	48.4	1.2	7.0	-	45.6	43.8	1.8
02:05 AM - 02:10 AM	44.5	46.4	-1.9	7.0	-	40.5	44.4	-3.9
02:10 AM - 02:15 AM	49.4	52.7	-3.3	7.0	-	45.4	44.4	1.0
02:15 AM - 02:20 AM	48.3	50.1	-1.8	7.0	-	44.3	44.4	-0.1
02:20 AM - 02:25 AM	54.1	48.5	5.6	1.5	-	55.6	44.3	11.3
02:25 AM - 02:30 AM	47.3	53.3	-6.0	7.0	-	43.3	44.0	-0.7
02:30 AM - 02:35 AM	55.1	46.6	8.5	0.5	-	57.6	43.9	13.7
02:35 AM - 02:40 AM	45.8	49.8	-4.0	7.0	-	41.8	43.8	-2.0
02:40 AM - 02:45 AM	51.5	50.4	1.1	7.0	-	47.5	44.8	2.7
02:45 AM - 02:50 AM	49.9	48.3	1.6	4.5	-	48.4	44.1	4.3
02:50 AM - 02:55 AM	50.1	49.5	0.6	7.0	-	46.1	43.6	2.5
02:55 AM - 03:00 AM	49.3	50.5	-1.2	7.0	-	45.3	44.1	1.2
03:00 AM - 03:05 AM	51.5	51.2	0.3	7.0	-	47.5	44.1	3.4
03:05 AM - 03:10 AM	52.2	48.3	3.9	2.0	-	53.2	43.9	9.3
03:10 AM - 03:15 AM	49.8	48.1	1.7	4.5	-	48.3	43.9	4.4
03:15 AM - 03:20 AM	49.8	46.6	3.2	3.0	-	49.8	44.0	5.8
03:20 AM - 03:25 AM	48.7	48.6	0.1	7.0	-	44.7	44.0	0.7
03:25 AM - 03:30 AM	48.9	50.4	-1.5	7.0	-	44.9	44.6	0.3
03:30 AM - 03:35 AM	50.2	47.8	2.4	4.5	-	48.7	44.3	4.4
03:35 AM - 03:40 AM	49.7	49.1	0.6	7.0	-	45.7	44.9	0.8
03:40 AM - 03:45 AM	50.3	52.7	-2.4	7.0	-	46.3	43.8	2.5
03:45 AM - 03:50 AM	50.8	51.6	-0.8	7.0	-	46.8	44.5	2.3

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Approved by

Wilawan Borirak  
Assistant Manager



## Analysis / Test Report

TESTING  
No.0042

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

Lot ID: 22144026  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report Number : 2535175-1

P/O : RJN-BW-012/65

Project Name : Chonburi Bowin

Project Location :

Page 3 of 3

Sample No. 22144026-28  
Parameter เสียงรบกวน  
Location N4 : ที่พักอาศัยบริเวณหมู่ 5 บ้านสุรศักดิ์  
Measurement Date Dec 25 - 26, 2022  
Measurement by Jaradrawee Sriruksa  
Sound Level Meter 597168

### ระดับเสียง (dB(A))

เวลา	เสียงจากแหล่งกำเนิด (A)	เสียงขณะไม่มีการรบกวน (B)	ผลต่างระดับเสียง (A-B)	ตัวปรับค่า (C)	ปรับค่าเสียงจากแหล่งกำเนิด (D)		เสียงพื้นฐาน (E)	ค่าระดับการรบกวน (D-E)
					กลางวัน (A-C)	กลางคืน (A-C)+3		
03:50 AM - 03:55 AM	53.4	52.3	1.1	7.0	-	49.4	45.5	3.9
03:55 AM - 04:00 AM	52.1	52.3	-0.2	7.0	-	48.1	45.3	2.8
04:00 AM - 04:05 AM	54.5	49.5	5.0	1.5	-	56.0	44.4	11.6
04:05 AM - 04:10 AM	51.7	51.6	0.1	7.0	-	47.7	45.1	2.6
04:10 AM - 04:15 AM	51.9	49.1	2.8	3.0	-	51.9	44.7	7.2
04:15 AM - 04:20 AM	50.8	50.2	0.6	7.0	-	46.8	45.6	1.2
04:20 AM - 04:25 AM	50.6	54.5	-3.9	7.0	-	46.6	45.6	1.0
04:25 AM - 04:30 AM	55.1	51.7	3.4	3.0	-	55.1	45.3	9.8
04:30 AM - 04:35 AM	53.8	52.0	1.8	4.5	-	52.3	45.1	7.2
04:35 AM - 04:40 AM	53.4	52.4	1.0	7.0	-	49.4	45.5	3.9
04:40 AM - 04:45 AM	51.1	53.3	-2.2	7.0	-	47.1	47.0	0.1
04:45 AM - 04:50 AM	54.4	53.3	1.1	7.0	-	50.4	46.0	4.4
04:50 AM - 04:55 AM	55.1	52.2	2.9	3.0	-	55.1	46.7	8.4
04:55 AM - 05:00 AM	52.3	53.2	-0.9	7.0	-	48.3	46.1	2.2
05:00 AM - 05:05 AM	56.0	51.9	4.1	2.0	-	57.0	46.6	10.4
05:05 AM - 05:10 AM	54.0	53.9	0.1	7.0	-	50.0	45.4	4.6
05:10 AM - 05:15 AM	53.7	56.3	-2.6	7.0	-	49.7	46.4	3.3
05:15 AM - 05:20 AM	57.1	54.3	2.8	3.0	-	57.1	47.0	10.1
05:20 AM - 05:25 AM	56.1	57.1	-1.0	7.0	-	52.1	47.9	4.2
05:25 AM - 05:30 AM	56.4	55.3	1.1	7.0	-	52.4	47.2	5.2
05:30 AM - 05:35 AM	58.1	54.2	3.9	2.0	-	59.1	47.1	12.0
05:35 AM - 05:40 AM	56.9	57.3	-0.4	7.0	-	52.9	49.1	3.8
05:40 AM - 05:45 AM	56.6	55.2	1.4	7.0	-	52.6	48.0	4.6
05:45 AM - 05:50 AM	56.8	57.0	-0.2	7.0	-	52.8	49.7	3.1
05:50 AM - 05:55 AM	58.0	61.1	-3.1	7.0	-	54.0	49.7	4.3
05:55 AM - 06:00 AM	57.3	55.9	1.4	7.0	-	53.3	49.9	3.4
06:00 AM - 07:00 AM	59.7	57.9	1.8	4.5	55.2	-	52.2	3.0
07:00 AM - 08:00 AM	58.7	57.8	0.9	7.0	51.7	-	52.5	-0.8
08:00 AM - 09:00 AM	59.3	58.2	1.1	7.0	52.3	-	51.8	0.5
09:00 AM - 10:00 AM	60.4	58.7	1.7	4.5	55.9	-	51.4	4.5
10:00 AM - 11:00 AM	60.6	59.4	1.2	7.0	53.6	-	52.1	1.5
11:00 AM - 12:00 PM	58.8	60.1	-1.3	7.0	51.8	-	52.3	-0.5

ค่ามาตรฐาน

≤ 10

Reference Method : ISO 1996-1

### มาตรฐาน

- ประกาศกระทรวงอุตสาหกรรม เรื่อง กำหนดค่าระดับเสียงการรบกวนและระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548
  - ประกาศกรมโรงงานอุตสาหกรรม เรื่อง วิธีการตรวจวัดระดับเสียงรบกวน ระดับเสียงเฉลี่ย 24 ชั่วโมง และระดับเสียงสูงสุดที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2553
  - ประกาศกระทรวงสาธารณสุข เรื่อง กำหนดค่ามาตรฐานมลพิษทางเสียงอันเกิดจากการประกอบกิจการที่เป็นอันตรายต่อสุขภาพ พ.ศ. 2561
- ระดับเสียงจากแหล่งกำเนิด ทำการตรวจวัด วันที่ 25-26 ธันวาคม 2565  
ระดับเสียงพื้นฐานและระดับเสียงขณะไม่มีการรบกวน (Sample No.22144028-28 วันที่ตรวจวัด 25-26 ธันวาคม 2565)

The above results are valid only for the analyzed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

Approved by

Wilawan Borirak  
Assistant Manager



## Analysis / Test Report

**TESTING**  
**No.0042**

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

Lot ID: 22144028  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report No. : 2535177-1

P/O : RJN-BW-012/65  
Project Name : Chonburi Bowin  
Project Location :

Page 1 of 3

Sample No. 22144028-1  
Parameter Noise  
Location N1 : **หอน้ำมันโรงไฟฟ้า** (Shut down)  
Measurement Date Dec 19 - 20, 2022  
Measurement by Jaradrawee Sriuksa  
Sound Level Meter 597167

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:00 PM - 01:00 PM	56.1	83.3	51.9
01:00 PM - 02:00 PM	56.3	79.1	53.5
02:00 PM - 03:00 PM	55.8	71.3	53.3
03:00 PM - 04:00 PM	55.7	71.3	53.0
04:00 PM - 05:00 PM	56.3	74.7	52.5
05:00 PM - 06:00 PM	57.9	78.5	51.6
06:00 PM - 07:00 PM	52.9	72.9	50.4
07:00 PM - 08:00 PM	52.6	73.2	50.6
08:00 PM - 09:00 PM	52.9	71.7	50.7
09:00 PM - 10:00 PM	50.9	64.6	49.2
10:00 PM - 10:05 PM	51.6	57.1	49.8
10:05 PM - 10:10 PM	51.4	56.7	50.0
10:10 PM - 10:15 PM	50.9	56.6	49.2
10:15 PM - 10:20 PM	52.1	59.3	50.2
10:20 PM - 10:25 PM	51.8	60.1	50.3
10:25 PM - 10:30 PM	51.8	55.6	49.9
10:30 PM - 10:35 PM	51.5	60.2	49.5
10:35 PM - 10:40 PM	51.5	59.3	49.9
10:40 PM - 10:45 PM	50.9	55.7	49.6
10:45 PM - 10:50 PM	50.1	53.9	48.9
10:50 PM - 10:55 PM	50.5	57.0	49.1
10:55 PM - 11:00 PM	50.6	57.3	49.4
11:00 PM - 11:05 PM	49.4	53.7	48.3
11:05 PM - 11:10 PM	50.1	54.8	48.8
11:10 PM - 11:15 PM	49.8	53.9	48.8
11:15 PM - 11:20 PM	49.5	55.2	48.2
11:20 PM - 11:25 PM	49.6	59.1	48.2
11:25 PM - 11:30 PM	48.5	54.1	47.8
11:30 PM - 11:35 PM	48.7	51.7	47.8
11:35 PM - 11:40 PM	52.3	83.1	47.2
11:40 PM - 11:45 PM	48.1	54.3	47.0
11:45 PM - 11:50 PM	48.1	51.0	47.2
11:50 PM - 11:55 PM	47.6	54.2	46.6
11:55 PM - 12:00 AM	48.2	58.1	47.1
12:00 AM - 12:05 AM	49.5	56.4	47.9
12:05 AM - 12:10 AM	48.2	51.1	47.4
12:10 AM - 12:15 AM	48.6	55.3	47.3
12:15 AM - 12:20 AM	48.9	55.5	47.5
12:20 AM - 12:25 AM	48.3	52.9	47.5
12:25 AM - 12:30 AM	48.4	55.0	47.6

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Approved by

*Wilawan Borirak*

Wilawan Borirak  
Assistant Manager



## Analysis / Test Report

**TESTING**  
**No.0042**

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

Lot ID: 22144028  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report No. : 2535177-1

P/O : RJN-BW-012/65  
Project Name : Chonburi Bowin  
Project Location :

Page 2 of 3

Sample No. 22144028-1  
Parameter Noise  
Location N1 : **หนองบัวนา** (Shut down)  
Measurement Date Dec 19 - 20, 2022  
Measurement by Jaradrawee Sriruksa  
Sound Level Meter 597167

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:30 AM - 12:35 AM	48.9	55.5	47.9
12:35 AM - 12:40 AM	49.5	56.0	48.2
12:40 AM - 12:45 AM	50.2	55.8	48.1
12:45 AM - 12:50 AM	48.6	53.7	47.6
12:50 AM - 12:55 AM	48.0	52.0	47.3
12:55 AM - 01:00 AM	48.4	57.2	47.2
01:00 AM - 01:05 AM	48.5	57.7	47.3
01:05 AM - 01:10 AM	48.7	55.9	47.6
01:10 AM - 01:15 AM	49.0	54.8	47.8
01:15 AM - 01:20 AM	48.3	51.3	47.5
01:20 AM - 01:25 AM	49.2	57.0	48.0
01:25 AM - 01:30 AM	50.1	55.2	48.6
01:30 AM - 01:35 AM	51.2	57.3	49.3
01:35 AM - 01:40 AM	50.8	56.1	48.9
01:40 AM - 01:45 AM	50.2	54.0	48.6
01:45 AM - 01:50 AM	49.9	57.1	48.4
01:50 AM - 01:55 AM	50.4	56.9	48.8
01:55 AM - 02:00 AM	49.8	54.2	48.7
02:00 AM - 02:05 AM	49.6	53.2	48.5
02:05 AM - 02:10 AM	50.2	54.0	48.8
02:10 AM - 02:15 AM	49.3	54.6	48.3
02:15 AM - 02:20 AM	50.5	57.7	48.8
02:20 AM - 02:25 AM	50.0	54.1	48.7
02:25 AM - 02:30 AM	54.6	80.3	48.9
02:30 AM - 02:35 AM	49.7	56.2	48.9
02:35 AM - 02:40 AM	49.5	58.2	48.5
02:40 AM - 02:45 AM	52.0	64.5	48.7
02:45 AM - 02:50 AM	49.8	55.3	48.7
02:50 AM - 02:55 AM	49.6	54.8	48.4
02:55 AM - 03:00 AM	49.3	53.6	48.5
03:00 AM - 03:05 AM	49.9	55.0	48.5
03:05 AM - 03:10 AM	49.7	56.1	48.2
03:10 AM - 03:15 AM	49.3	54.0	48.4
03:15 AM - 03:20 AM	50.0	57.6	48.6
03:20 AM - 03:25 AM	50.1	54.8	48.6
03:25 AM - 03:30 AM	50.3	62.1	48.4
03:30 AM - 03:35 AM	49.3	55.6	48.1
03:35 AM - 03:40 AM	49.5	62.8	47.9
03:40 AM - 03:45 AM	49.0	52.1	48.2
03:45 AM - 03:50 AM	48.7	52.9	47.8

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Approved by

*Wilawan Borirak*

Wilawan Borirak  
Assistant Manager



## Analysis / Test Report

TESTING  
No.0042

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

Lot ID: 22144028  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report No. : 2535177-1

P/O : RJN-BW-012/65  
Project Name : Chonburi Bowin  
Project Location :  
Sample No. 22144028-1  
Parameter Noise  
Location N1 : ท้องสนามหลวง (Shut down)  
Measurement Date Dec 19 - 20, 2022  
Measurement by Jaradrawee Sriuksa  
Sound Level Meter 597167

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:50 AM - 03:55 AM	48.9	58.5	47.9
03:55 AM - 04:00 AM	49.7	55.6	48.3
04:00 AM - 04:05 AM	49.2	54.4	48.2
04:05 AM - 04:10 AM	50.6	59.8	48.3
04:10 AM - 04:15 AM	48.7	52.8	47.9
04:15 AM - 04:20 AM	49.3	52.9	48.0
04:20 AM - 04:25 AM	51.0	67.0	48.8
04:25 AM - 04:30 AM	49.1	54.5	48.0
04:30 AM - 04:35 AM	51.7	68.8	48.4
04:35 AM - 04:40 AM	57.2	70.0	48.8
04:40 AM - 04:45 AM	55.6	69.9	48.4
04:45 AM - 04:50 AM	51.7	69.3	48.3
04:50 AM - 04:55 AM	49.1	52.8	48.3
04:55 AM - 05:00 AM	49.7	58.0	48.5
05:00 AM - 05:05 AM	49.8	55.9	48.6
05:05 AM - 05:10 AM	61.0	75.5	48.9
05:10 AM - 05:15 AM	57.8	74.4	49.1
05:15 AM - 05:20 AM	59.1	74.3	49.4
05:20 AM - 05:25 AM	58.2	74.7	49.5
05:25 AM - 05:30 AM	57.8	73.1	49.7
05:30 AM - 05:35 AM	58.7	74.9	49.4
05:35 AM - 05:40 AM	55.1	74.0	49.3
05:40 AM - 05:45 AM	53.4	69.0	49.5
05:45 AM - 05:50 AM	50.6	56.3	49.5
05:50 AM - 05:55 AM	51.2	56.4	49.8
05:55 AM - 06:00 AM	50.9	56.8	49.5
06:00 AM - 07:00 AM	56.4	76.2	51.2
07:00 AM - 08:00 AM	58.0	83.2	53.2
08:00 AM - 09:00 AM	56.8	81.1	53.9
09:00 AM - 10:00 AM	58.5	80.2	54.4
10:00 AM - 11:00 AM	59.2	76.7	55.7
11:00 AM - 12:00 PM	57.4	80.2	53.8

Reference Method : ISO 1996-1

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Approved by

Wilawan Borirak  
Assistant Manager



# Analysis / Test Report

**TESTING**  
**No.0042**

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

Lot ID: 22144028  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report No. : 2535178-1

P/O : RJN-BW-012/65  
Project Name : Chonburi Bowin  
Project Location :

Page 1 of 3

Sample No. 22144028-2  
Parameter Noise  
Location N1 : หมู่บ้านบุกรพ (Shut down)  
Measurement Date Dec 20 - 21, 2022  
Measurement by Jaradrawee Sriuksa  
Sound Level Meter 597167

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:00 PM - 01:00 PM	55.1	75.4	51.4
01:00 PM - 02:00 PM	56.3	76.3	53.1
02:00 PM - 03:00 PM	54.7	81.3	50.7
03:00 PM - 04:00 PM	54.0	76.9	50.8
04:00 PM - 05:00 PM	54.9	81.2	51.5
05:00 PM - 06:00 PM	53.8	82.7	51.6
06:00 PM - 07:00 PM	52.0	65.0	50.7
07:00 PM - 08:00 PM	53.0	65.4	51.5
08:00 PM - 09:00 PM	52.9	64.0	51.3
09:00 PM - 10:00 PM	51.2	66.9	49.3
10:00 PM - 10:05 PM	52.9	66.4	50.0
10:05 PM - 10:10 PM	50.7	54.1	49.5
10:10 PM - 10:15 PM	50.5	56.4	49.4
10:15 PM - 10:20 PM	52.5	66.4	49.9
10:20 PM - 10:25 PM	51.4	55.8	50.1
10:25 PM - 10:30 PM	50.8	59.1	49.6
10:30 PM - 10:35 PM	51.3	61.0	49.9
10:35 PM - 10:40 PM	51.7	59.0	49.7
10:40 PM - 10:45 PM	55.0	82.8	49.4
10:45 PM - 10:50 PM	53.1	65.5	49.9
10:50 PM - 10:55 PM	50.0	60.5	48.0
10:55 PM - 11:00 PM	50.8	59.7	48.8
11:00 PM - 11:05 PM	50.3	58.9	47.7
11:05 PM - 11:10 PM	52.1	62.5	48.9
11:10 PM - 11:15 PM	49.3	57.9	48.0
11:15 PM - 11:20 PM	48.7	57.2	47.3
11:20 PM - 11:25 PM	48.0	50.8	47.4
11:25 PM - 11:30 PM	48.6	52.6	47.9
11:30 PM - 11:35 PM	49.1	55.4	48.2
11:35 PM - 11:40 PM	49.2	54.7	48.4
11:40 PM - 11:45 PM	49.9	52.8	49.1
11:45 PM - 11:50 PM	49.6	57.9	48.5
11:50 PM - 11:55 PM	48.7	54.5	47.8
11:55 PM - 12:00 AM	48.4	52.3	47.2
12:00 AM - 12:05 AM	49.1	54.8	48.1
12:05 AM - 12:10 AM	49.3	52.8	48.0
12:10 AM - 12:15 AM	50.7	62.3	47.5
12:15 AM - 12:20 AM	50.0	59.4	48.0
12:20 AM - 12:25 AM	49.7	60.8	47.9
12:25 AM - 12:30 AM	49.3	56.7	48.2

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*Wilawan Borirak*

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Page 2 of 3



## Analysis / Test Report

TESTING  
No.0042

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

Lot ID: 22144028  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report No. : 2535178-1

P/O : RJN-BW-012/65  
Project Name : Chonburi Bowin  
Project Location :  
Sample No. : 22144028-2  
Parameter : Noise  
Location : N1 : หอประชุม (Shut down)  
Measurement Date : Dec 20 - 21, 2022  
Measurement by : Jaradrawee Sriuksa  
Sound Level Meter : 597167

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:30 AM - 12:35 AM	50.1	60.3	48.1
12:35 AM - 12:40 AM	48.3	51.8	47.0
12:40 AM - 12:45 AM	49.1	54.9	47.8
12:45 AM - 12:50 AM	49.0	55.0	47.2
12:50 AM - 12:55 AM	49.5	55.2	47.7
12:55 AM - 01:00 AM	49.4	60.0	47.7
01:00 AM - 01:05 AM	50.2	57.4	47.2
01:05 AM - 01:10 AM	47.9	54.0	46.9
01:10 AM - 01:15 AM	49.0	56.5	47.5
01:15 AM - 01:20 AM	48.3	56.8	47.2
01:20 AM - 01:25 AM	48.6	52.8	47.8
01:25 AM - 01:30 AM	49.1	54.1	47.9
01:30 AM - 01:35 AM	47.7	51.4	46.9
01:35 AM - 01:40 AM	49.9	59.0	47.1
01:40 AM - 01:45 AM	48.7	55.9	47.1
01:45 AM - 01:50 AM	48.7	54.6	47.2
01:50 AM - 01:55 AM	48.6	53.2	47.0
01:55 AM - 02:00 AM	49.0	58.5	47.8
02:00 AM - 02:05 AM	49.0	57.8	47.6
02:05 AM - 02:10 AM	48.6	55.0	47.7
02:10 AM - 02:15 AM	48.7	53.5	47.6
02:15 AM - 02:20 AM	49.0	54.1	47.8
02:20 AM - 02:25 AM	48.2	54.7	47.0
02:25 AM - 02:30 AM	48.6	58.3	47.3
02:30 AM - 02:35 AM	48.5	51.9	47.6
02:35 AM - 02:40 AM	48.6	54.3	47.3
02:40 AM - 02:45 AM	47.6	54.1	46.6
02:45 AM - 02:50 AM	48.2	55.8	46.8
02:50 AM - 02:55 AM	47.9	58.1	46.9
02:55 AM - 03:00 AM	48.7	58.1	47.4
03:00 AM - 03:05 AM	51.2	61.5	47.4
03:05 AM - 03:10 AM	48.7	59.1	47.1
03:10 AM - 03:15 AM	49.6	55.9	48.1
03:15 AM - 03:20 AM	48.9	56.7	48.0
03:20 AM - 03:25 AM	52.4	63.1	48.2
03:25 AM - 03:30 AM	51.9	63.5	47.6
03:30 AM - 03:35 AM	50.4	63.0	48.9
03:35 AM - 03:40 AM	50.4	56.1	49.2
03:40 AM - 03:45 AM	50.6	54.9	49.4
03:45 AM - 03:50 AM	50.4	57.1	49.0

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Approved by

Wilawan Borirak  
Assistant Manager





## Analysis / Test Report

TESTING  
No.0042

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

Lot ID: 22144028  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report No. : 2535178-1

P/O : RJN-BW-012/65  
Project Name : Chonburi Bowin  
Project Location :

Page 3 of 3

Sample No. 22144028-2  
Parameter Noise  
Location N1 : โรงงาน (Shut down)  
Measurement Date Dec 20 - 21, 2022  
Measurement by Jaradrawee Sriruksa  
Sound Level Meter 597167

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:50 AM - 03:55 AM	50.3	56.4	48.7
03:55 AM - 04:00 AM	57.4	69.3	49.5
04:00 AM - 04:05 AM	56.1	69.4	49.2
04:05 AM - 04:10 AM	54.6	69.1	49.0
04:10 AM - 04:15 AM	53.2	69.4	48.4
04:15 AM - 04:20 AM	52.8	64.8	49.0
04:20 AM - 04:25 AM	51.8	64.8	48.7
04:25 AM - 04:30 AM	51.4	64.0	48.4
04:30 AM - 04:35 AM	52.3	63.9	48.6
04:35 AM - 04:40 AM	50.3	61.7	48.9
04:40 AM - 04:45 AM	55.3	68.2	49.2
04:45 AM - 04:50 AM	54.4	68.7	49.4
04:50 AM - 04:55 AM	53.1	69.9	49.3
04:55 AM - 05:00 AM	53.6	65.4	49.7
05:00 AM - 05:05 AM	52.7	65.2	49.1
05:05 AM - 05:10 AM	55.4	70.6	49.3
05:10 AM - 05:15 AM	54.0	70.5	50.3
05:15 AM - 05:20 AM	54.3	66.1	50.6
05:20 AM - 05:25 AM	52.7	63.7	50.5
05:25 AM - 05:30 AM	51.9	58.2	49.8
05:30 AM - 05:35 AM	51.5	63.4	49.9
05:35 AM - 05:40 AM	51.9	60.8	50.1
05:40 AM - 05:45 AM	51.8	55.6	50.8
05:45 AM - 05:50 AM	51.0	64.5	49.7
05:50 AM - 05:55 AM	51.0	55.7	49.8
05:55 AM - 06:00 AM	64.0	79.1	50.1
06:00 AM - 07:00 AM	60.9	90.0	52.6
07:00 AM - 08:00 AM	61.1	81.0	52.5
08:00 AM - 09:00 AM	57.2	75.9	54.4
09:00 AM - 10:00 AM	59.3	84.7	54.6
10:00 AM - 11:00 AM	58.2	81.0	53.4
11:00 AM - 12:00 PM	63.4	96.3	54.3

Reference Method : ISO 1996-1

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Approved by

Wilawan Borirak  
Assistant Manager



## Analysis / Test Report

**TESTING**  
**No.0042**

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

Lot ID: 22144028  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report No. : 2535179-1

P/O : RJN-BW-012/65  
Project Name : Chonburi Bowin  
Project Location :

Page 1 of 3

Sample No. 22144028-3  
Parameter Noise  
Location N1 : หมู่บ้านบุกรพ (Shut down)  
Measurement Date Dec 21 - 22, 2022  
Measurement by Jaradrawee Sriuksa  
Sound Level Meter 597167

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:00 PM - 01:00 PM	53.9	78.7	51.2
01:00 PM - 02:00 PM	57.1	77.3	52.9
02:00 PM - 03:00 PM	57.0	91.7	52.2
03:00 PM - 04:00 PM	60.7	93.7	52.9
04:00 PM - 05:00 PM	54.0	75.4	51.3
05:00 PM - 06:00 PM	51.9	70.5	50.2
06:00 PM - 07:00 PM	51.9	67.3	50.1
07:00 PM - 08:00 PM	54.6	62.9	50.9
08:00 PM - 09:00 PM	57.5	68.9	54.6
09:00 PM - 10:00 PM	56.7	74.0	54.1
10:00 PM - 10:05 PM	56.7	60.2	53.6
10:05 PM - 10:10 PM	57.0	62.5	54.3
10:10 PM - 10:15 PM	56.5	60.4	53.5
10:15 PM - 10:20 PM	56.3	59.9	53.5
10:20 PM - 10:25 PM	55.9	63.7	52.4
10:25 PM - 10:30 PM	57.1	65.9	53.7
10:30 PM - 10:35 PM	56.8	67.1	53.6
10:35 PM - 10:40 PM	56.8	61.4	53.3
10:40 PM - 10:45 PM	55.8	61.2	52.8
10:45 PM - 10:50 PM	56.1	60.7	53.3
10:50 PM - 10:55 PM	55.8	60.1	53.1
10:55 PM - 11:00 PM	56.0	60.5	52.9
11:00 PM - 11:05 PM	55.2	60.0	52.5
11:05 PM - 11:10 PM	54.5	59.7	51.8
11:10 PM - 11:15 PM	55.8	60.4	52.6
11:15 PM - 11:20 PM	53.3	60.2	51.3
11:20 PM - 11:25 PM	54.8	60.7	51.1
11:25 PM - 11:30 PM	54.9	60.2	51.9
11:30 PM - 11:35 PM	54.9	60.6	51.6
11:35 PM - 11:40 PM	54.6	60.4	50.8
11:40 PM - 11:45 PM	53.5	60.1	50.3
11:45 PM - 11:50 PM	54.5	60.2	51.2
11:50 PM - 11:55 PM	53.4	59.7	50.4
11:55 PM - 12:00 AM	53.2	59.3	50.4
12:00 AM - 12:05 AM	52.3	64.7	49.8
12:05 AM - 12:10 AM	51.9	59.7	50.3
12:10 AM - 12:15 AM	51.8	59.4	49.6
12:15 AM - 12:20 AM	51.7	59.3	49.4
12:20 AM - 12:25 AM	52.0	62.6	49.8
12:25 AM - 12:30 AM	52.6	62.7	49.1

The above results are valid only for the analyzed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory, ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

Approved by

*Wilawan Borirak*

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## Analysis / Test Report

TESTING  
No.0042

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

Lot ID: 22144028  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report No. : 2535179-1

P/O : RJN-BW-012/65  
Project Name : Chonburi Bowin  
Project Location :  
Sample No. : 22144028-3  
Parameter : Noise  
Location : N1 : หอประชุม (Shut down)  
Measurement Date : Dec 21 - 22, 2022  
Measurement by : Jaradrawee Sriuksa  
Sound Level Meter : 597167

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:30 AM - 12:35 AM	50.2	57.1	48.7
12:35 AM - 12:40 AM	52.1	58.3	49.4
12:40 AM - 12:45 AM	51.3	59.3	49.2
12:45 AM - 12:50 AM	51.5	58.7	49.6
12:50 AM - 12:55 AM	51.5	57.6	49.3
12:55 AM - 01:00 AM	50.4	63.1	48.9
01:00 AM - 01:05 AM	50.9	56.8	49.0
01:05 AM - 01:10 AM	49.6	54.4	48.8
01:10 AM - 01:15 AM	50.2	56.3	49.2
01:15 AM - 01:20 AM	50.1	53.9	49.1
01:20 AM - 01:25 AM	50.8	57.6	49.3
01:25 AM - 01:30 AM	52.2	61.3	49.8
01:30 AM - 01:35 AM	49.8	54.4	49.1
01:35 AM - 01:40 AM	50.2	55.8	49.1
01:40 AM - 01:45 AM	49.8	52.9	48.9
01:45 AM - 01:50 AM	50.2	57.2	49.3
01:50 AM - 01:55 AM	51.0	59.7	49.6
01:55 AM - 02:00 AM	50.2	70.3	49.2
02:00 AM - 02:05 AM	50.4	53.4	49.4
02:05 AM - 02:10 AM	50.1	58.2	49.3
02:10 AM - 02:15 AM	50.1	57.3	49.1
02:15 AM - 02:20 AM	49.6	54.6	48.6
02:20 AM - 02:25 AM	49.9	54.8	48.8
02:25 AM - 02:30 AM	50.0	55.8	49.1
02:30 AM - 02:35 AM	49.5	55.2	48.6
02:35 AM - 02:40 AM	50.0	56.2	49.0
02:40 AM - 02:45 AM	50.5	57.6	49.3
02:45 AM - 02:50 AM	49.6	55.8	48.8
02:50 AM - 02:55 AM	49.8	55.1	49.1
02:55 AM - 03:00 AM	50.4	59.2	48.8
03:00 AM - 03:05 AM	49.6	56.0	48.9
03:05 AM - 03:10 AM	49.4	55.2	48.8
03:10 AM - 03:15 AM	49.4	53.6	48.6
03:15 AM - 03:20 AM	49.8	55.0	49.0
03:20 AM - 03:25 AM	49.3	52.7	48.7
03:25 AM - 03:30 AM	49.7	58.6	49.0
03:30 AM - 03:35 AM	49.3	52.1	48.8
03:35 AM - 03:40 AM	49.4	53.6	48.9
03:40 AM - 03:45 AM	49.4	54.5	48.7
03:45 AM - 03:50 AM	50.0	56.1	49.2

The above results are valid only for the analyzed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

Approved by

Wilawan Borirak  
Assistant Manager



## Analysis / Test Report

TESTING  
No.0042

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

Lot ID: 22144028  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report No. : 2535179-1

P/O : RJN-BW-012/65  
Project Name : Chonburi Bowin  
Project Location :  
Parameter : Noise  
Location : N1 : หอประชุม (Shut down)  
Measurement Date : Dec 21 - 22, 2022  
Measurement by : Jaradrawee Sriuksa  
Sound Level Meter : 597167

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:50 AM - 03:55 AM	50.9	63.2	49.1
03:55 AM - 04:00 AM	53.5	64.2	49.0
04:00 AM - 04:05 AM	53.0	64.6	48.6
04:05 AM - 04:10 AM	52.3	64.2	49.2
04:10 AM - 04:15 AM	51.0	60.8	49.0
04:15 AM - 04:20 AM	50.4	59.8	49.2
04:20 AM - 04:25 AM	49.5	51.5	48.9
04:25 AM - 04:30 AM	49.8	61.8	48.5
04:30 AM - 04:35 AM	52.9	64.9	48.3
04:35 AM - 04:40 AM	51.3	65.4	48.6
04:40 AM - 04:45 AM	51.6	64.0	48.7
04:45 AM - 04:50 AM	50.2	63.7	48.4
04:50 AM - 04:55 AM	51.8	64.9	48.7
04:55 AM - 05:00 AM	52.5	65.4	49.0
05:00 AM - 05:05 AM	52.5	65.4	49.1
05:05 AM - 05:10 AM	52.6	64.9	49.5
05:10 AM - 05:15 AM	54.3	66.6	49.8
05:15 AM - 05:20 AM	52.6	66.0	49.8
05:20 AM - 05:25 AM	52.7	70.5	49.6
05:25 AM - 05:30 AM	50.7	60.2	49.7
05:30 AM - 05:35 AM	51.0	56.9	50.1
05:35 AM - 05:40 AM	52.0	60.5	50.4
05:40 AM - 05:45 AM	51.9	59.4	50.2
05:45 AM - 05:50 AM	54.1	66.4	50.1
05:50 AM - 05:55 AM	53.3	68.6	50.3
05:55 AM - 06:00 AM	52.6	67.7	50.5
06:00 AM - 07:00 AM	54.8	82.5	52.1
07:00 AM - 08:00 AM	56.8	84.1	53.1
08:00 AM - 09:00 AM	57.5	78.1	53.5
09:00 AM - 10:00 AM	57.1	69.9	53.8
10:00 AM - 11:00 AM	56.3	73.8	53.6
11:00 AM - 12:00 PM	55.2	79.6	51.4

Reference Method : ISO 1996-1

The above results are valid only for the analyzed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

Approved by

Wilawan Borirak  
Assistant Manager

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## Analysis / Test Report

TESTING  
No.0042

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

Lot ID: 22144028  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report No. : 2535180-1

P/O : RJN-BW-012/65  
Project Name : Chonburi Bowin  
Project Location :

Page 1 of 3

Sample No. 22144028-4  
Parameter Noise  
Location N1 : หมู่บ้านบุกรพ (Shut down)  
Measurement Date Dec 22 - 23, 2022  
Measurement by Jaradrawee Sriuksa  
Sound Level Meter 597167

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:00 PM - 01:00 PM	54.0	88.3	49.3
01:00 PM - 02:00 PM	54.1	87.8	50.6
02:00 PM - 03:00 PM	51.5	75.7	49.2
03:00 PM - 04:00 PM	56.8	79.0	51.2
04:00 PM - 05:00 PM	52.1	67.2	50.1
05:00 PM - 06:00 PM	53.7	84.2	51.3
06:00 PM - 07:00 PM	52.7	64.9	51.2
07:00 PM - 08:00 PM	56.6	90.7	51.5
08:00 PM - 09:00 PM	55.5	62.0	51.9
09:00 PM - 10:00 PM	55.7	70.2	52.0
10:00 PM - 10:05 PM	54.8	60.4	51.0
10:05 PM - 10:10 PM	54.7	59.3	51.7
10:10 PM - 10:15 PM	54.4	59.3	51.4
10:15 PM - 10:20 PM	54.3	59.2	51.8
10:20 PM - 10:25 PM	53.6	58.6	51.0
10:25 PM - 10:30 PM	53.0	59.6	50.3
10:30 PM - 10:35 PM	53.1	59.9	49.9
10:35 PM - 10:40 PM	52.5	58.8	50.1
10:40 PM - 10:45 PM	52.5	59.2	50.2
10:45 PM - 10:50 PM	53.0	59.9	50.5
10:50 PM - 10:55 PM	53.4	59.4	50.7
10:55 PM - 11:00 PM	52.6	61.5	50.3
11:00 PM - 11:05 PM	52.0	59.3	49.9
11:05 PM - 11:10 PM	51.3	56.5	49.8
11:10 PM - 11:15 PM	53.2	64.3	50.6
11:15 PM - 11:20 PM	51.9	63.6	50.4
11:20 PM - 11:25 PM	52.1	61.5	50.2
11:25 PM - 11:30 PM	51.4	60.0	49.8
11:30 PM - 11:35 PM	51.7	66.2	49.6
11:35 PM - 11:40 PM	50.6	56.3	49.7
11:40 PM - 11:45 PM	51.2	57.3	49.8
11:45 PM - 11:50 PM	51.2	62.4	49.8
11:50 PM - 11:55 PM	50.5	55.0	49.5
11:55 PM - 12:00 AM	49.6	53.1	48.9
12:00 AM - 12:05 AM	50.7	57.9	49.3
12:05 AM - 12:10 AM	50.9	62.1	49.7
12:10 AM - 12:15 AM	50.8	56.5	49.4
12:15 AM - 12:20 AM	50.2	53.4	49.3
12:20 AM - 12:25 AM	50.1	54.8	48.8
12:25 AM - 12:30 AM	50.8	61.2	49.3

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Approved by

Wilawan Borirak  
Assistant Manager



# Analysis / Test Report

**TESTING**  
**No.0042**

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

Lot ID: 22144028  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report No. : 2535180-1

P/O : RJN-BW-012/65  
Project Name : Chonburi Bowin  
Project Location :

Page 2 of 3

Sample No. 22144028-4  
Parameter Noise  
Location N1 : โรงบรรจุภัณฑ์ (Shut down)  
Measurement Date Dec 22 - 23, 2022  
Measurement by Jaradrawee Sriruksa  
Sound Level Meter 597167

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:30 AM - 12:35 AM	51.1	57.5	49.3
12:35 AM - 12:40 AM	51.2	56.6	49.3
12:40 AM - 12:45 AM	51.2	55.3	49.9
12:45 AM - 12:50 AM	50.5	58.1	49.3
12:50 AM - 12:55 AM	50.8	59.8	49.0
12:55 AM - 01:00 AM	49.9	54.5	48.6
01:00 AM - 01:05 AM	50.3	57.4	48.5
01:05 AM - 01:10 AM	51.1	62.6	49.1
01:10 AM - 01:15 AM	49.8	57.4	48.6
01:15 AM - 01:20 AM	51.5	62.1	48.4
01:20 AM - 01:25 AM	52.1	63.3	48.6
01:25 AM - 01:30 AM	49.6	54.4	48.5
01:30 AM - 01:35 AM	49.9	55.8	48.2
01:35 AM - 01:40 AM	48.8	53.2	48.0
01:40 AM - 01:45 AM	49.0	52.7	48.4
01:45 AM - 01:50 AM	49.2	52.3	48.5
01:50 AM - 01:55 AM	49.2	50.7	48.8
01:55 AM - 02:00 AM	49.7	55.4	49.1
02:00 AM - 02:05 AM	50.1	55.5	49.5
02:05 AM - 02:10 AM	49.9	52.9	48.9
02:10 AM - 02:15 AM	49.2	55.1	48.4
02:15 AM - 02:20 AM	49.0	52.2	48.4
02:20 AM - 02:25 AM	49.8	54.8	48.3
02:25 AM - 02:30 AM	48.7	51.5	48.1
02:30 AM - 02:35 AM	49.6	55.0	48.6
02:35 AM - 02:40 AM	49.3	52.6	48.5
02:40 AM - 02:45 AM	48.9	52.1	48.3
02:45 AM - 02:50 AM	49.6	54.7	48.9
02:50 AM - 02:55 AM	49.2	51.7	48.7
02:55 AM - 03:00 AM	49.5	51.9	48.9
03:00 AM - 03:05 AM	49.5	54.7	48.8
03:05 AM - 03:10 AM	49.6	53.6	48.7
03:10 AM - 03:15 AM	50.0	61.2	48.8
03:15 AM - 03:20 AM	50.0	58.9	48.9
03:20 AM - 03:25 AM	51.1	60.0	48.7
03:25 AM - 03:30 AM	51.1	60.0	49.0
03:30 AM - 03:35 AM	50.8	60.3	48.8
03:35 AM - 03:40 AM	50.2	54.7	48.9
03:40 AM - 03:45 AM	50.8	55.9	49.4
03:45 AM - 03:50 AM	50.9	61.6	49.2

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Approved by

*Wilawan Borirak*

Wilawan Borirak  
Assistant Manager



## Analysis / Test Report

TESTING  
No.0042

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

Lot ID: 22144028  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report No. : 2535180-1

P/O : RJN-BW-012/65  
Project Name : Chonburi Bowin  
Project Location :  
Sample No. : 22144028-4  
Parameter : Noise  
Location : N1 : หอประชุม (Shut down)  
Measurement Date : Dec 22 - 23, 2022  
Measurement by : Jaradrawee Sriuksa  
Sound Level Meter : 597167

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:50 AM - 03:55 AM	49.7	54.8	48.7
03:55 AM - 04:00 AM	50.0	54.6	49.0
04:00 AM - 04:05 AM	56.0	68.3	48.9
04:05 AM - 04:10 AM	55.8	67.1	49.0
04:10 AM - 04:15 AM	55.5	67.6	49.3
04:15 AM - 04:20 AM	53.4	67.7	49.3
04:20 AM - 04:25 AM	51.3	65.1	49.7
04:25 AM - 04:30 AM	51.2	55.8	50.1
04:30 AM - 04:35 AM	51.4	59.4	50.2
04:35 AM - 04:40 AM	51.7	60.1	50.4
04:40 AM - 04:45 AM	54.0	65.2	50.3
04:45 AM - 04:50 AM	55.2	67.7	50.2
04:50 AM - 04:55 AM	55.0	67.2	50.1
04:55 AM - 05:00 AM	53.1	65.8	50.3
05:00 AM - 05:05 AM	55.3	67.0	50.8
05:05 AM - 05:10 AM	55.2	68.2	50.7
05:10 AM - 05:15 AM	55.5	68.5	51.1
05:15 AM - 05:20 AM	55.2	68.7	51.0
05:20 AM - 05:25 AM	55.3	66.6	51.6
05:25 AM - 05:30 AM	55.3	68.3	50.9
05:30 AM - 05:35 AM	55.0	66.5	50.8
05:35 AM - 05:40 AM	53.8	66.0	51.1
05:40 AM - 05:45 AM	51.7	54.6	50.9
05:45 AM - 05:50 AM	53.0	65.2	50.5
05:50 AM - 05:55 AM	53.8	62.1	50.5
05:55 AM - 06:00 AM	55.1	66.1	51.6
06:00 AM - 07:00 AM	55.8	73.1	51.7
07:00 AM - 08:00 AM	57.8	81.0	51.1
08:00 AM - 09:00 AM	53.2	80.6	48.2
09:00 AM - 10:00 AM	61.4	97.2	49.5
10:00 AM - 11:00 AM	52.1	74.4	49.2
11:00 AM - 12:00 PM	57.2	77.8	49.9

Reference Method : ISO 1996-1

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Approved by

Wilawan Borirak  
Assistant Manager





## Analysis / Test Report

TESTING  
No.0042

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

Lot ID: 22144028  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report No. : 2535181-1

P/O : RJN-BW-012/65  
Project Name : Chonburi Bowin  
Project Location :

Page 1 of 3

Sample No. 22144028-5  
Parameter Noise  
Location N1 : หมู่บ้านบุกรพ (Shut down)  
Measurement Date Dec 23 - 24, 2022  
Measurement by Jaradrawee Sriuksa  
Sound Level Meter 597167

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:00 PM - 01:00 PM	49.2	68.6	47.4
01:00 PM - 02:00 PM	52.7	77.2	48.7
02:00 PM - 03:00 PM	52.8	68.4	49.5
03:00 PM - 04:00 PM	52.4	75.7	49.7
04:00 PM - 05:00 PM	53.2	70.3	51.3
05:00 PM - 06:00 PM	53.9	67.0	52.2
06:00 PM - 07:00 PM	53.0	71.7	51.7
07:00 PM - 08:00 PM	52.2	67.1	51.2
08:00 PM - 09:00 PM	52.1	64.0	51.0
09:00 PM - 10:00 PM	52.1	65.4	50.9
10:00 PM - 10:05 PM	51.8	56.4	50.8
10:05 PM - 10:10 PM	51.6	56.4	50.7
10:10 PM - 10:15 PM	52.0	57.9	51.0
10:15 PM - 10:20 PM	51.9	58.0	50.9
10:20 PM - 10:25 PM	52.1	61.4	50.9
10:25 PM - 10:30 PM	51.3	56.2	50.4
10:30 PM - 10:35 PM	51.6	58.3	50.4
10:35 PM - 10:40 PM	51.4	62.0	50.4
10:40 PM - 10:45 PM	52.0	65.1	50.2
10:45 PM - 10:50 PM	52.1	61.4	50.6
10:50 PM - 10:55 PM	51.8	58.2	50.4
10:55 PM - 11:00 PM	53.0	62.4	50.6
11:00 PM - 11:05 PM	52.0	55.6	50.8
11:05 PM - 11:10 PM	52.0	57.4	50.8
11:10 PM - 11:15 PM	52.3	59.2	50.9
11:15 PM - 11:20 PM	50.6	56.5	49.5
11:20 PM - 11:25 PM	50.7	55.2	50.0
11:25 PM - 11:30 PM	50.6	57.7	49.9
11:30 PM - 11:35 PM	51.2	56.3	49.8
11:35 PM - 11:40 PM	50.5	55.3	49.8
11:40 PM - 11:45 PM	50.3	54.3	49.7
11:45 PM - 11:50 PM	50.9	55.9	50.0
11:50 PM - 11:55 PM	50.8	59.5	49.7
11:55 PM - 12:00 AM	51.0	63.0	49.8
12:00 AM - 12:05 AM	51.7	63.1	49.7
12:05 AM - 12:10 AM	50.6	55.5	49.9
12:10 AM - 12:15 AM	50.6	57.7	49.6
12:15 AM - 12:20 AM	50.5	56.0	49.7
12:20 AM - 12:25 AM	51.8	61.0	50.3
12:25 AM - 12:30 AM	51.9	64.7	50.1

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Approved by

Wilawan Borirak  
Assistant Manager



# Analysis / Test Report

**TESTING**  
**No.0042**

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

Lot ID: 22144028  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report No. : 2535181-1

P/O : RJN-BW-012/65  
Project Name : Chonburi Bowin  
Project Location :

Page 2 of 3

Sample No. 22144028-5  
Parameter Noise  
Location N1 : หอประชุม (Shut down)  
Measurement Date Dec 23 - 24, 2022  
Measurement by Jaradrawee Sriuksa  
Sound Level Meter 597167

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:30 AM - 12:35 AM	50.6	55.4	49.7
12:35 AM - 12:40 AM	55.2	82.9	49.6
12:40 AM - 12:45 AM	51.1	56.5	49.9
12:45 AM - 12:50 AM	51.7	73.3	50.1
12:50 AM - 12:55 AM	50.5	55.8	49.7
12:55 AM - 01:00 AM	51.0	54.5	50.4
01:00 AM - 01:05 AM	50.7	59.5	49.8
01:05 AM - 01:10 AM	52.5	68.1	49.6
01:10 AM - 01:15 AM	50.8	59.1	49.9
01:15 AM - 01:20 AM	51.2	56.7	49.9
01:20 AM - 01:25 AM	50.7	57.6	49.7
01:25 AM - 01:30 AM	50.4	57.8	49.3
01:30 AM - 01:35 AM	50.6	56.9	49.6
01:35 AM - 01:40 AM	51.2	58.3	49.9
01:40 AM - 01:45 AM	51.4	62.9	49.9
01:45 AM - 01:50 AM	50.8	57.3	49.5
01:50 AM - 01:55 AM	50.4	55.2	49.0
01:55 AM - 02:00 AM	50.9	57.0	49.9
02:00 AM - 02:05 AM	50.2	55.6	49.3
02:05 AM - 02:10 AM	50.4	63.7	49.1
02:10 AM - 02:15 AM	50.3	62.6	49.3
02:15 AM - 02:20 AM	50.1	58.2	49.2
02:20 AM - 02:25 AM	50.0	54.6	49.3
02:25 AM - 02:30 AM	50.5	55.7	49.2
02:30 AM - 02:35 AM	50.4	56.1	49.4
02:35 AM - 02:40 AM	50.8	56.3	49.8
02:40 AM - 02:45 AM	52.0	63.8	49.4
02:45 AM - 02:50 AM	53.0	64.8	49.1
02:50 AM - 02:55 AM	51.4	64.1	49.1
02:55 AM - 03:00 AM	49.8	53.4	48.9
03:00 AM - 03:05 AM	50.3	54.5	49.2
03:05 AM - 03:10 AM	50.1	54.5	49.2
03:10 AM - 03:15 AM	50.4	57.7	49.4
03:15 AM - 03:20 AM	50.9	54.4	50.1
03:20 AM - 03:25 AM	50.0	53.6	49.1
03:25 AM - 03:30 AM	51.4	60.2	49.4
03:30 AM - 03:35 AM	51.9	63.4	49.0
03:35 AM - 03:40 AM	53.9	64.2	49.6
03:40 AM - 03:45 AM	54.5	65.7	49.4
03:45 AM - 03:50 AM	51.9	64.2	48.9

The above results are valid only for the analyzed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

Approved by

*Wilawan Borirak*

Wilawan Borirak  
Assistant Manager



## Analysis / Test Report

**TESTING**  
**No.0042**

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

Lot ID: 22144028  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report No. : 2535181-1

P/O : RJN-BW-012/65  
Project Name : Chonburi Bowin  
Project Location :  
Sample No. : 22144028-5  
Parameter : Noise  
Location : N1 : หอประชุม (Shut down)  
Measurement Date : Dec 23 - 24, 2022  
Measurement by : Jaradrawee Sriuksa  
Sound Level Meter : 597167

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:50 AM - 03:55 AM	50.8	62.4	49.2
03:55 AM - 04:00 AM	51.9	64.3	49.5
04:00 AM - 04:05 AM	51.5	63.3	50.2
04:05 AM - 04:10 AM	53.0	65.3	49.3
04:10 AM - 04:15 AM	50.7	56.4	49.7
04:15 AM - 04:20 AM	51.3	56.3	50.2
04:20 AM - 04:25 AM	50.8	56.2	49.7
04:25 AM - 04:30 AM	51.7	60.5	50.2
04:30 AM - 04:35 AM	51.2	56.1	50.1
04:35 AM - 04:40 AM	50.8	59.7	49.7
04:40 AM - 04:45 AM	55.2	65.2	49.9
04:45 AM - 04:50 AM	54.3	64.3	50.2
04:50 AM - 04:55 AM	54.1	65.8	49.8
04:55 AM - 05:00 AM	53.0	64.7	50.2
05:00 AM - 05:05 AM	52.3	65.0	49.8
05:05 AM - 05:10 AM	53.1	64.6	50.3
05:10 AM - 05:15 AM	53.5	68.4	50.8
05:15 AM - 05:20 AM	53.5	71.4	50.7
05:20 AM - 05:25 AM	52.0	65.7	50.2
05:25 AM - 05:30 AM	51.3	57.9	50.2
05:30 AM - 05:35 AM	52.7	63.4	50.3
05:35 AM - 05:40 AM	52.5	63.0	50.7
05:40 AM - 05:45 AM	52.9	64.1	51.5
05:45 AM - 05:50 AM	52.2	58.0	50.9
05:50 AM - 05:55 AM	51.8	65.3	50.8
05:55 AM - 06:00 AM	54.7	67.7	51.3
06:00 AM - 07:00 AM	55.0	79.1	51.8
07:00 AM - 08:00 AM	59.3	83.3	52.1
08:00 AM - 09:00 AM	60.0	85.7	52.0
09:00 AM - 10:00 AM	56.1	72.4	52.5
10:00 AM - 11:00 AM	55.7	83.0	53.0
11:00 AM - 12:00 PM	55.1	80.9	52.6

Reference Method : ISO 1996-1

The above results are valid only for the analyzed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

Approved by

Wilawan Borirak  
Assistant Manager



## Analysis / Test Report

**TESTING**  
**No.0042**

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

Lot ID: 22144028  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report No. : 2535182-1

P/O : RJN-BW-012/65  
Project Name : Chonburi Bowin  
Project Location :

Page 1 of 3

Sample No. 22144028-6  
Parameter Noise  
Location N1 : หมู่บ้านบุกรพ (Shut down)  
Measurement Date Dec 24 - 25, 2022  
Measurement by Jaradrawee Sriuksa  
Sound Level Meter 597167

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:00 PM - 01:00 PM	55.9	83.0	50.2
01:00 PM - 02:00 PM	52.5	75.7	49.8
02:00 PM - 03:00 PM	55.3	69.9	51.5
03:00 PM - 04:00 PM	54.2	76.1	50.9
04:00 PM - 05:00 PM	53.3	79.7	50.6
05:00 PM - 06:00 PM	61.2	101.3	50.2
06:00 PM - 07:00 PM	51.1	72.0	49.4
07:00 PM - 08:00 PM	51.3	62.9	50.1
08:00 PM - 09:00 PM	52.0	77.1	50.3
09:00 PM - 10:00 PM	51.0	67.3	49.4
10:00 PM - 10:05 PM	51.6	60.1	49.0
10:05 PM - 10:10 PM	51.2	57.6	49.6
10:10 PM - 10:15 PM	50.9	60.0	49.1
10:15 PM - 10:20 PM	51.1	64.5	49.0
10:20 PM - 10:25 PM	51.0	63.5	49.6
10:25 PM - 10:30 PM	50.7	60.9	49.0
10:30 PM - 10:35 PM	50.2	59.1	49.2
10:35 PM - 10:40 PM	50.1	54.4	49.3
10:40 PM - 10:45 PM	50.9	58.4	49.4
10:45 PM - 10:50 PM	51.7	59.5	50.1
10:50 PM - 10:55 PM	51.7	60.4	50.1
10:55 PM - 11:00 PM	51.8	56.5	50.1
11:00 PM - 11:05 PM	52.5	58.9	50.7
11:05 PM - 11:10 PM	52.5	63.9	50.9
11:10 PM - 11:15 PM	55.3	73.0	50.5
11:15 PM - 11:20 PM	52.9	62.8	50.4
11:20 PM - 11:25 PM	52.6	59.3	50.8
11:25 PM - 11:30 PM	51.5	61.7	49.5
11:30 PM - 11:35 PM	51.0	60.1	49.7
11:35 PM - 11:40 PM	51.3	56.2	50.2
11:40 PM - 11:45 PM	51.7	60.2	50.4
11:45 PM - 11:50 PM	51.6	58.1	50.1
11:50 PM - 11:55 PM	51.6	58.6	50.4
11:55 PM - 12:00 AM	51.6	58.8	50.1
12:00 AM - 12:05 AM	51.4	59.4	50.0
12:05 AM - 12:10 AM	54.2	67.5	50.5
12:10 AM - 12:15 AM	51.3	57.5	50.2
12:15 AM - 12:20 AM	55.0	73.5	50.3
12:20 AM - 12:25 AM	53.2	63.8	50.3
12:25 AM - 12:30 AM	52.5	63.4	50.3

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Approved by

*Wilawan Borirak*

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## Analysis / Test Report

**TESTING**  
**No.0042**

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

Lot ID: 22144028  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report No. : 2535182-1

P/O : RJN-BW-012/65  
Project Name : Chonburi Bowin  
Project Location :  
Sample No. : 22144028-6  
Parameter : Noise  
Location : N1 : หอประชุม (Shut down)  
Measurement Date : Dec 24 - 25, 2022  
Measurement by : Jaradrawee Sriuksa  
Sound Level Meter : 597167

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:30 AM - 12:35 AM	51.8	57.0	50.4
12:35 AM - 12:40 AM	52.1	63.8	49.6
12:40 AM - 12:45 AM	50.7	54.3	49.5
12:45 AM - 12:50 AM	51.0	54.8	50.2
12:50 AM - 12:55 AM	51.3	56.7	49.8
12:55 AM - 01:00 AM	51.1	55.8	49.9
01:00 AM - 01:05 AM	50.8	55.9	49.9
01:05 AM - 01:10 AM	51.2	59.2	49.6
01:10 AM - 01:15 AM	51.2	61.9	49.8
01:15 AM - 01:20 AM	51.0	63.7	49.5
01:20 AM - 01:25 AM	51.3	61.9	49.3
01:25 AM - 01:30 AM	51.0	58.6	49.5
01:30 AM - 01:35 AM	50.3	55.2	49.1
01:35 AM - 01:40 AM	50.0	54.4	49.2
01:40 AM - 01:45 AM	50.9	59.3	49.6
01:45 AM - 01:50 AM	50.7	56.3	49.1
01:50 AM - 01:55 AM	51.2	57.3	49.6
01:55 AM - 02:00 AM	51.9	58.3	49.8
02:00 AM - 02:05 AM	50.0	54.5	48.8
02:05 AM - 02:10 AM	50.3	54.7	49.2
02:10 AM - 02:15 AM	50.6	61.1	49.2
02:15 AM - 02:20 AM	50.5	56.8	49.1
02:20 AM - 02:25 AM	50.0	55.5	49.0
02:25 AM - 02:30 AM	50.5	57.8	48.9
02:30 AM - 02:35 AM	48.8	52.7	48.1
02:35 AM - 02:40 AM	49.0	56.5	48.1
02:40 AM - 02:45 AM	50.1	57.0	48.6
02:45 AM - 02:50 AM	49.5	56.4	48.3
02:50 AM - 02:55 AM	49.3	55.4	48.3
02:55 AM - 03:00 AM	49.4	57.2	48.3
03:00 AM - 03:05 AM	49.0	54.8	48.1
03:05 AM - 03:10 AM	49.7	57.6	48.5
03:10 AM - 03:15 AM	48.8	52.3	48.0
03:15 AM - 03:20 AM	54.3	69.7	48.1
03:20 AM - 03:25 AM	58.3	71.2	48.0
03:25 AM - 03:30 AM	56.2	72.0	47.9
03:30 AM - 03:35 AM	48.9	52.7	48.2
03:35 AM - 03:40 AM	48.3	51.2	47.6
03:40 AM - 03:45 AM	48.6	50.9	48.1
03:45 AM - 03:50 AM	49.0	55.9	48.3

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Approved by

Wilawan Borirak  
Assistant Manager



# Analysis / Test Report

**TESTING**  
**No.0042**

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

Lot ID: 22144028  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report No. : 2535182-1

P/O : RJN-BW-012/65  
Project Name : Chonburi Bowin  
Project Location :

Page 3 of 3

Sample No. 22144028-6  
Parameter Noise  
Location N1 : หอประชุม (Shut down)  
Measurement Date Dec 24 - 25, 2022  
Measurement by Jaradrawee Sriruksa  
Sound Level Meter 597167

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:50 AM - 03:55 AM	48.7	51.2	48.1
03:55 AM - 04:00 AM	49.5	54.0	48.4
04:00 AM - 04:05 AM	49.8	55.2	48.4
04:05 AM - 04:10 AM	50.7	60.1	48.1
04:10 AM - 04:15 AM	60.4	72.5	48.3
04:15 AM - 04:20 AM	60.2	72.7	48.6
04:20 AM - 04:25 AM	56.6	73.4	49.1
04:25 AM - 04:30 AM	52.0	59.7	49.8
04:30 AM - 04:35 AM	50.4	55.8	49.2
04:35 AM - 04:40 AM	58.5	73.7	49.0
04:40 AM - 04:45 AM	59.6	74.0	49.4
04:45 AM - 04:50 AM	57.0	74.0	48.9
04:50 AM - 04:55 AM	57.2	74.4	49.0
04:55 AM - 05:00 AM	59.1	74.6	49.3
05:00 AM - 05:05 AM	56.7	72.0	49.0
05:05 AM - 05:10 AM	55.2	73.1	49.2
05:10 AM - 05:15 AM	59.6	74.3	50.0
05:15 AM - 05:20 AM	57.5	74.0	49.3
05:20 AM - 05:25 AM	53.8	71.0	48.9
05:25 AM - 05:30 AM	54.7	72.1	49.0
05:30 AM - 05:35 AM	55.1	71.6	48.4
05:35 AM - 05:40 AM	56.4	73.2	49.2
05:40 AM - 05:45 AM	60.0	73.8	49.4
05:45 AM - 05:50 AM	59.1	73.6	49.7
05:50 AM - 05:55 AM	59.0	73.8	49.5
05:55 AM - 06:00 AM	60.7	74.5	50.1
06:00 AM - 07:00 AM	55.8	79.4	50.1
07:00 AM - 08:00 AM	59.8	84.4	50.3
08:00 AM - 09:00 AM	59.0	92.3	51.8
09:00 AM - 10:00 AM	53.4	77.4	51.2
10:00 AM - 11:00 AM	55.3	76.4	51.6
11:00 AM - 12:00 PM	54.8	77.9	50.8

Reference Method : ISO 1996-1

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Approved by

*Wilawan Borirak*

Wilawan Borirak  
Assistant Manager



## Analysis / Test Report

**TESTING**  
**No.0042**

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

Lot ID: 22144028  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report No. : 2535183-1

P/O : RJN-BW-012/65  
Project Name : Chonburi Bowin  
Project Location :

Page 1 of 3

Sample No. 22144028-7  
Parameter Noise  
Location N1 : หมู่บ้านบุกรพ (Shut down)  
Measurement Date Dec 25 - 26, 2022  
Measurement by Jaradrawee Sriuksa  
Sound Level Meter 597167

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:00 PM - 01:00 PM	50.5	65.4	48.5
01:00 PM - 02:00 PM	52.0	71.8	49.7
02:00 PM - 03:00 PM	54.0	69.5	51.7
03:00 PM - 04:00 PM	55.1	73.8	52.8
04:00 PM - 05:00 PM	55.1	75.4	52.0
05:00 PM - 06:00 PM	52.2	79.1	50.4
06:00 PM - 07:00 PM	53.0	71.3	50.8
07:00 PM - 08:00 PM	50.7	63.9	49.7
08:00 PM - 09:00 PM	51.0	70.6	49.8
09:00 PM - 10:00 PM	51.8	62.4	50.1
10:00 PM - 10:05 PM	54.5	67.3	50.9
10:05 PM - 10:10 PM	53.1	60.0	51.0
10:10 PM - 10:15 PM	51.6	55.7	50.6
10:15 PM - 10:20 PM	52.8	63.2	50.9
10:20 PM - 10:25 PM	53.4	61.7	52.0
10:25 PM - 10:30 PM	52.0	55.4	51.0
10:30 PM - 10:35 PM	52.1	56.9	50.9
10:35 PM - 10:40 PM	52.6	58.4	51.4
10:40 PM - 10:45 PM	51.7	56.7	50.1
10:45 PM - 10:50 PM	51.3	55.6	49.9
10:50 PM - 10:55 PM	52.1	60.6	50.2
10:55 PM - 11:00 PM	52.3	67.7	49.4
11:00 PM - 11:05 PM	51.6	62.2	50.0
11:05 PM - 11:10 PM	50.5	57.9	49.1
11:10 PM - 11:15 PM	49.6	54.2	48.5
11:15 PM - 11:20 PM	50.7	56.3	49.2
11:20 PM - 11:25 PM	53.5	62.9	49.9
11:25 PM - 11:30 PM	52.9	62.9	49.0
11:30 PM - 11:35 PM	50.7	62.4	48.0
11:35 PM - 11:40 PM	50.0	62.4	47.7
11:40 PM - 11:45 PM	50.6	64.6	47.6
11:45 PM - 11:50 PM	53.1	66.6	47.5
11:50 PM - 11:55 PM	49.8	59.8	46.8
11:55 PM - 12:00 AM	49.4	61.1	47.1
12:00 AM - 12:05 AM	50.4	62.5	48.3
12:05 AM - 12:10 AM	51.0	62.3	48.1
12:10 AM - 12:15 AM	49.3	58.2	47.4
12:15 AM - 12:20 AM	49.5	61.8	47.9
12:20 AM - 12:25 AM	48.8	53.2	48.0
12:25 AM - 12:30 AM	49.0	59.5	48.1

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## Analysis / Test Report

**TESTING**  
**No.0042**

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

Lot ID: 22144028  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report No. : 2535183-1

P/O : RJN-BW-012/65  
Project Name : Chonburi Bowin  
Project Location :

Page 2 of 3

Sample No. 22144028-7  
Parameter Noise  
Location N1 : โรงงาน (Shut down)  
Measurement Date Dec 25 - 26, 2022  
Measurement by Jaradrawee Sriuksa  
Sound Level Meter 597167

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:30 AM - 12:35 AM	49.9	59.7	48.3
12:35 AM - 12:40 AM	49.7	60.3	48.6
12:40 AM - 12:45 AM	50.3	61.9	49.0
12:45 AM - 12:50 AM	50.2	58.5	49.1
12:50 AM - 12:55 AM	49.8	56.0	49.0
12:55 AM - 01:00 AM	50.1	54.6	49.4
01:00 AM - 01:05 AM	49.2	52.4	48.6
01:05 AM - 01:10 AM	49.7	62.3	48.5
01:10 AM - 01:15 AM	49.0	54.4	48.0
01:15 AM - 01:20 AM	49.0	58.4	47.6
01:20 AM - 01:25 AM	48.3	52.7	47.4
01:25 AM - 01:30 AM	48.0	53.6	47.3
01:30 AM - 01:35 AM	47.9	53.0	47.3
01:35 AM - 01:40 AM	49.7	58.9	47.8
01:40 AM - 01:45 AM	48.4	54.3	47.5
01:45 AM - 01:50 AM	48.6	54.0	47.7
01:50 AM - 01:55 AM	49.0	53.5	48.2
01:55 AM - 02:00 AM	49.4	57.2	47.8
02:00 AM - 02:05 AM	49.4	58.9	48.3
02:05 AM - 02:10 AM	49.4	57.8	48.2
02:10 AM - 02:15 AM	49.1	52.3	48.3
02:15 AM - 02:20 AM	49.4	56.4	48.4
02:20 AM - 02:25 AM	48.6	52.6	47.9
02:25 AM - 02:30 AM	48.0	56.4	47.5
02:30 AM - 02:35 AM	48.1	50.7	47.5
02:35 AM - 02:40 AM	48.2	52.6	47.4
02:40 AM - 02:45 AM	48.2	51.7	47.6
02:45 AM - 02:50 AM	48.5	51.6	47.7
02:50 AM - 02:55 AM	49.0	57.5	48.1
02:55 AM - 03:00 AM	48.7	53.6	47.9
03:00 AM - 03:05 AM	48.5	50.6	48.0
03:05 AM - 03:10 AM	48.6	55.8	47.8
03:10 AM - 03:15 AM	49.6	56.9	48.1
03:15 AM - 03:20 AM	48.2	51.5	47.7
03:20 AM - 03:25 AM	48.7	51.3	48.0
03:25 AM - 03:30 AM	48.9	53.2	48.0
03:30 AM - 03:35 AM	48.8	52.5	48.0
03:35 AM - 03:40 AM	49.0	56.0	48.1
03:40 AM - 03:45 AM	49.5	53.8	48.7
03:45 AM - 03:50 AM	49.0	52.9	48.3

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## Analysis / Test Report

**TESTING**  
**No.0042**

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

Lot ID: 22144028  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report No. : 2535183-1

P/O : RJN-BW-012/65  
Project Name : Chonburi Bowin  
Project Location :  
Sample No. : 22144028-7  
Parameter : Noise  
Location : N1 : หอประชุม (Shut down)  
Measurement Date : Dec 25 - 26, 2022  
Measurement by : Jaradrawee Sriuksa  
Sound Level Meter : 597167

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:50 AM - 03:55 AM	48.8	54.4	47.9
03:55 AM - 04:00 AM	48.8	53.3	48.1
04:00 AM - 04:05 AM	49.1	53.6	48.3
04:05 AM - 04:10 AM	55.2	69.9	48.6
04:10 AM - 04:15 AM	61.2	73.3	48.7
04:15 AM - 04:20 AM	58.8	72.6	48.7
04:20 AM - 04:25 AM	49.4	55.5	48.4
04:25 AM - 04:30 AM	50.1	57.5	48.9
04:30 AM - 04:35 AM	49.5	53.3	48.6
04:35 AM - 04:40 AM	49.6	58.2	48.7
04:40 AM - 04:45 AM	54.3	69.4	49.3
04:45 AM - 04:50 AM	54.5	70.4	49.1
04:50 AM - 04:55 AM	56.1	72.3	48.9
04:55 AM - 05:00 AM	51.4	64.2	49.4
05:00 AM - 05:05 AM	52.8	64.5	49.2
05:05 AM - 05:10 AM	60.7	74.0	49.5
05:10 AM - 05:15 AM	60.0	72.3	49.4
05:15 AM - 05:20 AM	56.6	72.2	49.5
05:20 AM - 05:25 AM	55.3	72.1	49.4
05:25 AM - 05:30 AM	56.9	72.5	49.1
05:30 AM - 05:35 AM	54.5	71.6	49.0
05:35 AM - 05:40 AM	59.4	73.1	49.8
05:40 AM - 05:45 AM	58.6	74.0	50.1
05:45 AM - 05:50 AM	57.0	74.0	50.0
05:50 AM - 05:55 AM	58.9	73.8	49.6
05:55 AM - 06:00 AM	58.1	73.4	49.5
06:00 AM - 07:00 AM	56.7	77.9	51.5
07:00 AM - 08:00 AM	58.9	79.3	52.6
08:00 AM - 09:00 AM	58.0	78.4	54.4
09:00 AM - 10:00 AM	55.8	69.1	53.5
10:00 AM - 11:00 AM	56.0	76.7	53.5
11:00 AM - 12:00 PM	55.0	80.4	52.5

Reference Method : ISO 1996-1

The above results are valid only for the analyzed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

Approved by

Wilawan Borirak  
Assistant Manager



## Analysis / Test Report

**TESTING**  
**No.0042**

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

Lot ID: 22144028  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report No. : 2535184-1

P/O : RJN-BW-012/65  
Project Name : Chonburi Bowin  
Project Location :

Page 1 of 3

Sample No. 22144028-8  
Parameter Noise  
Location N2 : มัสยิดบุญวัดฉิมพลี (Shut down)  
Measurement Date Dec 19 - 20, 2022  
Measurement by Jaradrawee Sriuksa  
Sound Level Meter 597169

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:00 PM - 01:00 PM	59.2	92.1	44.5
01:00 PM - 02:00 PM	54.7	86.2	45.2
02:00 PM - 03:00 PM	51.4	77.0	44.5
03:00 PM - 04:00 PM	55.3	76.8	43.5
04:00 PM - 05:00 PM	57.8	82.7	45.0
05:00 PM - 06:00 PM	60.1	89.8	46.8
06:00 PM - 07:00 PM	56.5	78.1	45.1
07:00 PM - 08:00 PM	56.7	89.2	45.2
08:00 PM - 09:00 PM	57.2	83.5	44.4
09:00 PM - 10:00 PM	50.5	77.2	42.0
10:00 PM - 10:05 PM	50.8	69.4	42.2
10:05 PM - 10:10 PM	48.9	62.0	42.2
10:10 PM - 10:15 PM	49.4	60.6	43.2
10:15 PM - 10:20 PM	46.3	61.2	41.6
10:20 PM - 10:25 PM	47.0	60.6	42.2
10:25 PM - 10:30 PM	48.6	68.1	42.2
10:30 PM - 10:35 PM	49.8	64.5	41.6
10:35 PM - 10:40 PM	48.1	63.0	41.0
10:40 PM - 10:45 PM	44.4	56.8	41.1
10:45 PM - 10:50 PM	47.9	66.7	42.4
10:50 PM - 10:55 PM	43.7	58.0	40.7
10:55 PM - 11:00 PM	44.0	56.8	40.6
11:00 PM - 11:05 PM	45.3	60.4	40.4
11:05 PM - 11:10 PM	44.7	61.9	40.4
11:10 PM - 11:15 PM	41.2	55.4	39.2
11:15 PM - 11:20 PM	43.0	58.3	40.0
11:20 PM - 11:25 PM	49.1	68.4	41.4
11:25 PM - 11:30 PM	45.4	62.5	39.9
11:30 PM - 11:35 PM	47.4	68.4	39.4
11:35 PM - 11:40 PM	43.6	61.4	39.2
11:40 PM - 11:45 PM	41.3	58.1	37.8
11:45 PM - 11:50 PM	43.8	60.3	39.5
11:50 PM - 11:55 PM	49.3	66.8	39.5
11:55 PM - 12:00 AM	43.3	61.8	39.4
12:00 AM - 12:05 AM	42.5	56.0	39.3
12:05 AM - 12:10 AM	45.6	66.4	38.7
12:10 AM - 12:15 AM	43.5	58.4	38.5
12:15 AM - 12:20 AM	42.2	54.9	39.1
12:20 AM - 12:25 AM	49.3	67.9	37.5
12:25 AM - 12:30 AM	54.3	75.3	39.8

The above results are valid only for the analyzed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

Approved by

*Wilawan Borirak*

Wilawan Borirak  
Assistant Manager



## Analysis / Test Report

TESTING  
No.0042

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

Lot ID: 22144028  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report No. : 2535184-1

P/O : RJN-BW-012/65  
Project Name : Chonburi Bowin  
Project Location :

Page 2 of 3

Sample No. 22144028-8  
Parameter Noise  
Location N2 : มัสยิดบุญเรืองอิสลาม (Shut down)  
Measurement Date Dec 19 - 20, 2022  
Measurement by Jaradrawee Sriuksa  
Sound Level Meter 597169

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:30 AM - 12:35 AM	42.1	56.9	39.4
12:35 AM - 12:40 AM	43.6	64.1	39.3
12:40 AM - 12:45 AM	45.0	69.8	39.3
12:45 AM - 12:50 AM	39.1	43.2	38.3
12:50 AM - 12:55 AM	42.2	55.8	39.2
12:55 AM - 01:00 AM	44.7	59.6	39.2
01:00 AM - 01:05 AM	40.9	49.9	39.4
01:05 AM - 01:10 AM	42.9	58.0	39.7
01:10 AM - 01:15 AM	46.8	66.4	38.6
01:15 AM - 01:20 AM	41.3	51.2	39.2
01:20 AM - 01:25 AM	45.7	63.4	40.4
01:25 AM - 01:30 AM	42.5	54.9	39.9
01:30 AM - 01:35 AM	50.5	69.3	40.2
01:35 AM - 01:40 AM	43.9	58.3	40.1
01:40 AM - 01:45 AM	42.8	54.3	40.0
01:45 AM - 01:50 AM	45.4	61.9	40.4
01:50 AM - 01:55 AM	45.1	61.1	40.2
01:55 AM - 02:00 AM	41.3	53.3	39.4
02:00 AM - 02:05 AM	41.2	51.6	39.2
02:05 AM - 02:10 AM	43.4	56.8	40.4
02:10 AM - 02:15 AM	43.0	53.0	40.6
02:15 AM - 02:20 AM	44.4	57.7	41.0
02:20 AM - 02:25 AM	46.1	65.2	40.2
02:25 AM - 02:30 AM	44.0	55.1	39.5
02:30 AM - 02:35 AM	72.8	93.7	42.6
02:35 AM - 02:40 AM	43.6	62.7	39.8
02:40 AM - 02:45 AM	41.9	57.0	39.1
02:45 AM - 02:50 AM	45.5	67.7	39.3
02:50 AM - 02:55 AM	46.1	66.0	40.0
02:55 AM - 03:00 AM	44.4	65.3	39.4
03:00 AM - 03:05 AM	41.2	51.7	39.2
03:05 AM - 03:10 AM	45.5	61.4	39.6
03:10 AM - 03:15 AM	41.7	51.5	39.0
03:15 AM - 03:20 AM	45.9	66.2	39.2
03:20 AM - 03:25 AM	46.2	62.5	40.2
03:25 AM - 03:30 AM	44.9	61.0	40.5
03:30 AM - 03:35 AM	44.8	61.8	39.6
03:35 AM - 03:40 AM	43.2	59.1	39.5
03:40 AM - 03:45 AM	42.5	57.2	39.5
03:45 AM - 03:50 AM	42.6	58.7	40.0

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Approved by

Wilawan Borirak  
Assistant Manager



## Analysis / Test Report

**TESTING**  
**No.0042**

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

Lot ID: 22144028  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report No. : 2535184-1

P/O : RJN-BW-012/65  
Project Name : Chonburi Bowin  
Project Location :  
Sample No. 22144028-8  
Parameter Noise  
Location N2 : มัสยิดบวรวิมลอิสลาม (Shut down)  
Measurement Date Dec 19 - 20, 2022  
Measurement by Jaradrawee Sriuksa  
Sound Level Meter 597169

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:50 AM - 03:55 AM	42.2	58.2	39.7
03:55 AM - 04:00 AM	42.7	51.0	40.3
04:00 AM - 04:05 AM	42.6	56.0	40.1
04:05 AM - 04:10 AM	51.5	71.3	41.5
04:10 AM - 04:15 AM	44.5	58.6	40.7
04:15 AM - 04:20 AM	41.9	52.7	40.5
04:20 AM - 04:25 AM	43.6	59.8	40.8
04:25 AM - 04:30 AM	43.9	55.3	41.6
04:30 AM - 04:35 AM	49.1	69.8	40.1
04:35 AM - 04:40 AM	44.0	63.9	40.7
04:40 AM - 04:45 AM	43.6	58.1	40.6
04:45 AM - 04:50 AM	44.0	59.4	41.5
04:50 AM - 04:55 AM	46.0	61.4	40.8
04:55 AM - 05:00 AM	64.5	77.4	41.5
05:00 AM - 05:05 AM	45.2	59.2	41.1
05:05 AM - 05:10 AM	46.9	59.4	42.2
05:10 AM - 05:15 AM	52.2	69.1	42.5
05:15 AM - 05:20 AM	44.7	57.5	41.7
05:20 AM - 05:25 AM	49.3	66.9	42.2
05:25 AM - 05:30 AM	46.2	61.9	42.0
05:30 AM - 05:35 AM	50.2	66.8	42.6
05:35 AM - 05:40 AM	48.9	64.2	42.6
05:40 AM - 05:45 AM	51.4	70.5	43.4
05:45 AM - 05:50 AM	60.0	67.7	44.0
05:50 AM - 05:55 AM	59.4	70.8	44.4
05:55 AM - 06:00 AM	55.8	69.5	46.4
06:00 AM - 07:00 AM	55.4	80.4	47.1
07:00 AM - 08:00 AM	55.6	79.7	47.3
08:00 AM - 09:00 AM	59.3	82.0	46.6
09:00 AM - 10:00 AM	59.5	86.3	44.7
10:00 AM - 11:00 AM	53.2	77.5	43.6
11:00 AM - 12:00 PM	55.3	79.0	43.1

Reference Method : ISO 1996-1

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Approved by

Wilawan Borirak  
Assistant Manager



## Analysis / Test Report

TESTING  
No.0042

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

Lot ID: 22144028  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report No. : 2535185-1

P/O : RJN-BW-012/65  
Project Name : Chonburi Bowin  
Project Location :

Page 1 of 3

Sample No. 22144028-9  
Parameter Noise  
Location N2 : มัสยิดนุรุลอิสลาม (Shut down)  
Measurement Date Dec 20 - 21, 2022  
Measurement by Jaradrawee Sriruksa  
Sound Level Meter 597169

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:00 PM - 01:00 PM	54.1	81.8	41.5
01:00 PM - 02:00 PM	51.4	74.9	41.0
02:00 PM - 03:00 PM	56.9	89.2	41.4
03:00 PM - 04:00 PM	54.8	76.7	43.1
04:00 PM - 05:00 PM	58.9	83.7	46.2
05:00 PM - 06:00 PM	57.7	76.5	46.4
06:00 PM - 07:00 PM	56.7	77.2	44.7
07:00 PM - 08:00 PM	54.1	83.4	45.2
08:00 PM - 09:00 PM	54.0	75.5	44.4
09:00 PM - 10:00 PM	52.0	78.8	42.4
10:00 PM - 10:05 PM	47.4	62.8	41.6
10:05 PM - 10:10 PM	50.0	69.4	41.6
10:10 PM - 10:15 PM	43.9	59.7	41.3
10:15 PM - 10:20 PM	48.4	66.7	41.2
10:20 PM - 10:25 PM	43.3	59.2	41.2
10:25 PM - 10:30 PM	49.7	70.9	41.8
10:30 PM - 10:35 PM	42.7	59.5	40.8
10:35 PM - 10:40 PM	50.2	73.2	42.2
10:40 PM - 10:45 PM	44.3	65.8	41.6
10:45 PM - 10:50 PM	49.2	67.1	42.3
10:50 PM - 10:55 PM	44.4	58.9	42.1
10:55 PM - 11:00 PM	49.7	70.7	41.6
11:00 PM - 11:05 PM	45.4	63.0	41.7
11:05 PM - 11:10 PM	43.9	58.9	40.1
11:10 PM - 11:15 PM	45.2	67.3	39.5
11:15 PM - 11:20 PM	47.0	66.2	39.9
11:20 PM - 11:25 PM	41.5	53.9	38.9
11:25 PM - 11:30 PM	41.8	55.6	39.6
11:30 PM - 11:35 PM	43.5	60.7	39.6
11:35 PM - 11:40 PM	44.4	64.5	40.0
11:40 PM - 11:45 PM	45.3	64.4	40.5
11:45 PM - 11:50 PM	42.1	55.5	40.0
11:50 PM - 11:55 PM	46.0	66.4	40.5
11:55 PM - 12:00 AM	50.2	68.4	40.6
12:00 AM - 12:05 AM	48.3	67.8	39.8
12:05 AM - 12:10 AM	48.2	63.6	40.5
12:10 AM - 12:15 AM	44.5	63.5	40.3
12:15 AM - 12:20 AM	42.0	57.6	40.2
12:20 AM - 12:25 AM	50.1	71.3	40.2
12:25 AM - 12:30 AM	43.2	56.1	40.8

The above results are valid only for the analyzed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory, ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

Approved by

Wilawan Borirak  
Assistant Manager



## Analysis / Test Report

TESTING  
No.0042

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

Lot ID: 22144028  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report No. : 2535185-1

P/O : RJN-BW-012/65  
Project Name : Chonburi Bowin  
Project Location :  
Sample No. : 22144028-9  
Parameter : Noise  
Location : N2 : มัสยิดบุญรุ้งอิสลาม (Shut down)  
Measurement Date : Dec 20 - 21, 2022  
Measurement by : Jaradrawee Sriuksa  
Sound Level Meter : 597169

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:30 AM - 12:35 AM	46.0	62.8	40.7
12:35 AM - 12:40 AM	44.6	60.5	41.0
12:40 AM - 12:45 AM	43.7	60.0	41.1
12:45 AM - 12:50 AM	42.6	52.5	41.1
12:50 AM - 12:55 AM	43.1	57.4	41.5
12:55 AM - 01:00 AM	46.4	65.1	40.1
01:00 AM - 01:05 AM	42.9	61.2	40.5
01:05 AM - 01:10 AM	41.9	54.3	40.1
01:10 AM - 01:15 AM	43.3	52.1	41.4
01:15 AM - 01:20 AM	43.4	54.7	41.0
01:20 AM - 01:25 AM	42.0	47.6	41.0
01:25 AM - 01:30 AM	43.8	57.4	41.8
01:30 AM - 01:35 AM	44.2	62.9	41.1
01:35 AM - 01:40 AM	44.0	59.3	41.8
01:40 AM - 01:45 AM	43.9	55.1	41.7
01:45 AM - 01:50 AM	44.5	60.2	42.7
01:50 AM - 01:55 AM	47.1	63.4	42.5
01:55 AM - 02:00 AM	43.3	57.3	41.6
02:00 AM - 02:05 AM	42.6	53.4	40.0
02:05 AM - 02:10 AM	42.7	48.6	41.0
02:10 AM - 02:15 AM	43.0	55.8	40.9
02:15 AM - 02:20 AM	55.0	74.9	41.8
02:20 AM - 02:25 AM	42.4	56.1	40.2
02:25 AM - 02:30 AM	42.4	62.3	39.8
02:30 AM - 02:35 AM	44.3	61.6	39.1
02:35 AM - 02:40 AM	41.3	55.1	39.8
02:40 AM - 02:45 AM	40.8	45.7	39.7
02:45 AM - 02:50 AM	41.1	46.2	40.0
02:50 AM - 02:55 AM	44.0	61.0	40.2
02:55 AM - 03:00 AM	42.8	56.6	39.6
03:00 AM - 03:05 AM	41.8	51.8	39.3
03:05 AM - 03:10 AM	44.3	60.9	41.4
03:10 AM - 03:15 AM	44.4	59.6	41.4
03:15 AM - 03:20 AM	47.6	69.4	41.5
03:20 AM - 03:25 AM	45.8	71.0	40.9
03:25 AM - 03:30 AM	44.6	59.4	41.3
03:30 AM - 03:35 AM	44.2	61.2	41.9
03:35 AM - 03:40 AM	44.3	59.2	40.9
03:40 AM - 03:45 AM	43.8	55.2	41.2
03:45 AM - 03:50 AM	43.5	54.4	41.7

The above results are valid only for the analyzed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

Approved by

Wilawan Borirak  
Assistant Manager





## Analysis / Test Report

TESTING  
No.0042

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

Lot ID: 22144028  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report No. : 2535185-1

P/O : RJN-BW-012/65  
Project Name : Chonburi Bowin  
Project Location :

Page 3 of 3

Sample No. 22144028-9  
Parameter Noise  
Location N2 : มัสยิดนูรุ้ลอิสลาม (Shut down)  
Measurement Date Dec 20 - 21, 2022  
Measurement by Jaradrawee Sriruksa  
Sound Level Meter 597169

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:50 AM - 03:55 AM	43.4	48.8	42.1
03:55 AM - 04:00 AM	45.9	60.8	43.0
04:00 AM - 04:05 AM	47.9	65.6	41.6
04:05 AM - 04:10 AM	46.1	65.6	41.2
04:10 AM - 04:15 AM	53.8	76.8	41.1
04:15 AM - 04:20 AM	44.9	62.6	41.0
04:20 AM - 04:25 AM	43.0	58.5	41.0
04:25 AM - 04:30 AM	49.7	74.5	40.5
04:30 AM - 04:35 AM	48.6	68.1	39.6
04:35 AM - 04:40 AM	42.4	52.6	40.5
04:40 AM - 04:45 AM	45.0	65.6	40.5
04:45 AM - 04:50 AM	47.9	64.5	41.6
04:50 AM - 04:55 AM	46.7	66.7	41.7
04:55 AM - 05:00 AM	62.9	77.0	42.5
05:00 AM - 05:05 AM	62.4	76.1	42.1
05:05 AM - 05:10 AM	44.8	60.4	42.5
05:10 AM - 05:15 AM	52.7	68.1	43.2
05:15 AM - 05:20 AM	46.6	60.8	43.0
05:20 AM - 05:25 AM	50.4	68.7	42.8
05:25 AM - 05:30 AM	47.6	62.0	42.5
05:30 AM - 05:35 AM	46.9	60.5	42.7
05:35 AM - 05:40 AM	49.7	65.8	43.6
05:40 AM - 05:45 AM	47.2	59.1	43.3
05:45 AM - 05:50 AM	48.4	62.4	43.5
05:50 AM - 05:55 AM	56.2	77.9	45.0
05:55 AM - 06:00 AM	56.9	75.3	44.9
06:00 AM - 07:00 AM	56.6	81.8	48.5
07:00 AM - 08:00 AM	61.1	82.9	49.3
08:00 AM - 09:00 AM	58.3	80.7	51.5
09:00 AM - 10:00 AM	60.4	90.0	45.7
10:00 AM - 11:00 AM	53.4	74.3	45.5
11:00 AM - 12:00 PM	56.6	81.5	45.0

Reference Method : ISO 1996-1

The above results are valid only for the analyzed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

Approved by

Wilawan Borirak  
Assistant Manager



# Analysis / Test Report

**TESTING**  
**No.0042**

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

Lot ID: 22144028  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report No. : 2535186-1

P/O : RJN-BW-012/65  
Project Name : Chonburi Bowin  
Project Location :

Page 1 of 3

Sample No. 22144028-10  
Parameter Noise  
Location N2 : มัสยิดนูรุลอิสลาม (Shut down)  
Measurement Date Dec 21 - 22, 2022  
Measurement by Jaradrawee Sriruksa  
Sound Level Meter 597169

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:00 PM - 01:00 PM	56.8	78.8	45.2
01:00 PM - 02:00 PM	53.6	76.3	43.3
02:00 PM - 03:00 PM	52.9	77.9	42.5
03:00 PM - 04:00 PM	57.6	92.3	42.6
04:00 PM - 05:00 PM	53.3	83.6	42.9
05:00 PM - 06:00 PM	57.4	81.5	45.4
06:00 PM - 07:00 PM	54.9	76.9	45.3
07:00 PM - 08:00 PM	55.2	78.3	44.3
08:00 PM - 09:00 PM	53.9	76.4	43.8
09:00 PM - 10:00 PM	50.1	73.1	42.9
10:00 PM - 10:05 PM	51.2	69.7	44.6
10:05 PM - 10:10 PM	48.0	64.6	43.7
10:10 PM - 10:15 PM	51.1	67.0	43.1
10:15 PM - 10:20 PM	50.2	65.6	42.7
10:20 PM - 10:25 PM	48.4	64.9	42.9
10:25 PM - 10:30 PM	48.0	67.9	42.4
10:30 PM - 10:35 PM	46.2	62.3	41.6
10:35 PM - 10:40 PM	51.9	68.4	42.3
10:40 PM - 10:45 PM	44.8	57.2	42.7
10:45 PM - 10:50 PM	43.9	57.2	42.7
10:50 PM - 10:55 PM	44.8	60.2	42.7
10:55 PM - 11:00 PM	46.6	64.8	42.7
11:00 PM - 11:05 PM	44.7	56.2	42.6
11:05 PM - 11:10 PM	43.4	48.6	42.3
11:10 PM - 11:15 PM	44.9	60.4	42.2
11:15 PM - 11:20 PM	43.5	56.6	42.2
11:20 PM - 11:25 PM	43.4	57.0	41.4
11:25 PM - 11:30 PM	44.8	63.4	41.3
11:30 PM - 11:35 PM	43.2	53.7	41.0
11:35 PM - 11:40 PM	44.4	59.1	42.3
11:40 PM - 11:45 PM	44.2	58.7	42.2
11:45 PM - 11:50 PM	43.7	53.3	42.3
11:50 PM - 11:55 PM	49.2	67.3	40.8
11:55 PM - 12:00 AM	48.1	67.0	40.9
12:00 AM - 12:05 AM	46.5	67.6	41.4
12:05 AM - 12:10 AM	42.5	59.7	40.8
12:10 AM - 12:15 AM	43.9	63.5	40.7
12:15 AM - 12:20 AM	42.6	51.8	41.3
12:20 AM - 12:25 AM	43.3	60.5	38.7
12:25 AM - 12:30 AM	45.3	63.9	39.4

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Approved by

*Wilawan Borirak*

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Assistant Manager

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Page 2 of 3



## Analysis / Test Report

TESTING  
No.0042

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

Lot ID: 22144028  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report No. : 2535186-1

P/O : RJN-BW-012/65  
Project Name : Chonburi Bowin  
Project Location :  
Sample No. : 22144028-10  
Parameter : Noise  
Location : N2 : มัสยิดบุญรุ้งอิสลาม (Shut down)  
Measurement Date : Dec 21 - 22, 2022  
Measurement by : Jaradrawee Sriuksa  
Sound Level Meter : 597169

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:30 AM - 12:35 AM	40.4	51.8	39.0
12:35 AM - 12:40 AM	42.0	55.7	39.7
12:40 AM - 12:45 AM	42.5	55.7	41.0
12:45 AM - 12:50 AM	42.8	54.2	41.4
12:50 AM - 12:55 AM	44.5	65.3	40.1
12:55 AM - 01:00 AM	42.6	55.8	41.1
01:00 AM - 01:05 AM	42.6	47.0	41.4
01:05 AM - 01:10 AM	42.8	49.4	41.4
01:10 AM - 01:15 AM	41.7	49.0	40.7
01:15 AM - 01:20 AM	42.4	57.9	39.9
01:20 AM - 01:25 AM	41.5	45.6	40.2
01:25 AM - 01:30 AM	41.5	48.1	40.2
01:30 AM - 01:35 AM	41.8	54.6	40.1
01:35 AM - 01:40 AM	48.0	65.9	41.2
01:40 AM - 01:45 AM	45.5	60.8	41.9
01:45 AM - 01:50 AM	45.1	62.0	41.1
01:50 AM - 01:55 AM	43.1	56.7	41.9
01:55 AM - 02:00 AM	46.5	64.3	42.4
02:00 AM - 02:05 AM	46.7	67.1	42.6
02:05 AM - 02:10 AM	44.3	54.4	42.8
02:10 AM - 02:15 AM	61.1	87.4	43.3
02:15 AM - 02:20 AM	44.7	61.3	42.8
02:20 AM - 02:25 AM	44.3	53.2	42.8
02:25 AM - 02:30 AM	43.9	53.1	42.6
02:30 AM - 02:35 AM	48.5	67.7	41.1
02:35 AM - 02:40 AM	42.4	55.0	40.8
02:40 AM - 02:45 AM	42.1	50.4	40.9
02:45 AM - 02:50 AM	43.2	59.2	41.0
02:50 AM - 02:55 AM	42.6	59.1	40.6
02:55 AM - 03:00 AM	41.6	48.7	40.4
03:00 AM - 03:05 AM	43.7	59.7	40.7
03:05 AM - 03:10 AM	41.8	47.5	40.7
03:10 AM - 03:15 AM	45.7	67.3	40.9
03:15 AM - 03:20 AM	43.7	59.3	40.7
03:20 AM - 03:25 AM	45.2	61.9	41.0
03:25 AM - 03:30 AM	43.1	60.2	41.0
03:30 AM - 03:35 AM	42.8	60.2	40.5
03:35 AM - 03:40 AM	42.2	47.7	40.8
03:40 AM - 03:45 AM	43.1	54.1	41.5
03:45 AM - 03:50 AM	42.2	54.1	40.3

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Approved by

Wilawan Borirak  
Assistant Manager



## Analysis / Test Report

TESTING  
No.0042

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

Lot ID: 22144028  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report No. : 2535186-1

P/O : RJN-BW-012/65  
Project Name : Chonburi Bowin  
Project Location :  
Parameter : Noise  
Location : N2 : มัสยิดนูรุลอิสลาม (Shut down)  
Measurement Date : Dec 21 - 22, 2022  
Measurement by : Jaradrawee Sriuksa  
Sound Level Meter : 597169

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:50 AM - 03:55 AM	42.5	59.1	40.5
03:55 AM - 04:00 AM	44.6	59.7	41.0
04:00 AM - 04:05 AM	50.5	66.1	41.0
04:05 AM - 04:10 AM	41.9	46.8	40.8
04:10 AM - 04:15 AM	47.2	61.8	40.7
04:15 AM - 04:20 AM	45.3	61.5	40.8
04:20 AM - 04:25 AM	44.1	58.6	40.6
04:25 AM - 04:30 AM	44.1	59.7	40.5
04:30 AM - 04:35 AM	46.5	63.2	41.1
04:35 AM - 04:40 AM	46.5	63.5	41.3
04:40 AM - 04:45 AM	46.9	65.9	40.7
04:45 AM - 04:50 AM	44.5	58.0	41.9
04:50 AM - 04:55 AM	44.1	62.9	41.5
04:55 AM - 05:00 AM	47.4	61.0	42.2
05:00 AM - 05:05 AM	65.8	76.8	42.6
05:05 AM - 05:10 AM	50.2	72.6	43.1
05:10 AM - 05:15 AM	48.5	63.9	43.1
05:15 AM - 05:20 AM	52.4	69.8	42.9
05:20 AM - 05:25 AM	52.5	66.8	42.4
05:25 AM - 05:30 AM	49.1	67.5	43.1
05:30 AM - 05:35 AM	47.4	60.4	43.0
05:35 AM - 05:40 AM	46.8	61.1	43.1
05:40 AM - 05:45 AM	49.8	60.6	44.0
05:45 AM - 05:50 AM	54.4	68.3	44.9
05:50 AM - 05:55 AM	49.8	62.7	44.6
05:55 AM - 06:00 AM	49.6	61.6	44.7
06:00 AM - 07:00 AM	56.3	77.5	47.7
07:00 AM - 08:00 AM	55.4	73.1	48.7
08:00 AM - 09:00 AM	57.0	86.7	47.7
09:00 AM - 10:00 AM	61.0	89.8	46.9
10:00 AM - 11:00 AM	54.2	80.6	44.4
11:00 AM - 12:00 PM	53.0	78.7	43.6

Reference Method : ISO 1996-1

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## Analysis / Test Report

TESTING  
No.0042

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

Lot ID: 22144028  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report No. : 2535187-1

P/O : RJN-BW-012/65  
Project Name : Chonburi Bowin  
Project Location :

Page 1 of 3

Sample No. 22144028-11  
Parameter Noise  
Location N2 : มัสยิดนุรุลอิสลาม (Shut down)  
Measurement Date Dec 22 - 23, 2022  
Measurement by Jaradrawee Sriuksa  
Sound Level Meter 597169

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:00 PM - 01:00 PM	56.6	75.7	51.3
01:00 PM - 02:00 PM	50.1	72.8	41.7
02:00 PM - 03:00 PM	51.0	69.9	40.7
03:00 PM - 04:00 PM	55.2	76.3	40.4
04:00 PM - 05:00 PM	57.3	81.7	46.0
05:00 PM - 06:00 PM	59.9	85.6	47.9
06:00 PM - 07:00 PM	55.1	78.2	46.2
07:00 PM - 08:00 PM	57.0	79.0	44.0
08:00 PM - 09:00 PM	55.2	78.3	43.1
09:00 PM - 10:00 PM	50.9	76.7	40.6
10:00 PM - 10:05 PM	50.0	67.7	41.0
10:05 PM - 10:10 PM	47.9	65.4	40.9
10:10 PM - 10:15 PM	49.7	64.3	41.2
10:15 PM - 10:20 PM	52.1	65.9	42.1
10:20 PM - 10:25 PM	50.9	70.8	41.7
10:25 PM - 10:30 PM	49.5	76.6	40.9
10:30 PM - 10:35 PM	50.6	66.0	42.5
10:35 PM - 10:40 PM	48.1	60.9	41.6
10:40 PM - 10:45 PM	53.5	70.9	43.3
10:45 PM - 10:50 PM	51.7	64.2	43.4
10:50 PM - 10:55 PM	49.9	67.3	42.3
10:55 PM - 11:00 PM	51.0	65.3	42.8
11:00 PM - 11:05 PM	53.8	74.6	44.6
11:05 PM - 11:10 PM	51.2	64.8	42.2
11:10 PM - 11:15 PM	51.0	62.9	43.5
11:15 PM - 11:20 PM	51.6	66.7	43.1
11:20 PM - 11:25 PM	50.9	67.0	43.1
11:25 PM - 11:30 PM	53.5	74.7	40.8
11:30 PM - 11:35 PM	50.4	64.2	41.4
11:35 PM - 11:40 PM	46.9	66.0	41.4
11:40 PM - 11:45 PM	46.8	59.3	41.5
11:45 PM - 11:50 PM	50.9	65.4	43.3
11:50 PM - 11:55 PM	51.4	77.0	41.4
11:55 PM - 12:00 AM	49.3	65.8	42.8
12:00 AM - 12:05 AM	49.2	67.3	43.2
12:05 AM - 12:10 AM	48.8	63.0	43.0
12:10 AM - 12:15 AM	46.6	59.0	42.7
12:15 AM - 12:20 AM	47.4	61.4	42.6
12:20 AM - 12:25 AM	45.7	60.1	42.0
12:25 AM - 12:30 AM	46.8	60.8	42.7

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Approved by

Wilawan Borirak  
Assistant Manager



## Analysis / Test Report

**TESTING**  
**No.0042**

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

Lot ID: 22144028  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report No. : 2535187-1

P/O : RJN-BW-012/65  
Project Name : Chonburi Bowin  
Project Location :

Page 2 of 3

Sample No. 22144028-11  
Parameter Noise  
Location N2 : บัณฑิตบุรีลลิลลลล (Shut down)  
Measurement Date Dec 22 - 23, 2022  
Measurement by Jaradrawee Sriuksa  
Sound Level Meter 597169

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:30 AM - 12:35 AM	49.0	68.0	42.1
12:35 AM - 12:40 AM	52.7	67.2	41.2
12:40 AM - 12:45 AM	43.9	67.0	40.4
12:45 AM - 12:50 AM	42.0	48.6	40.3
12:50 AM - 12:55 AM	48.7	72.7	41.2
12:55 AM - 01:00 AM	45.1	59.3	41.6
01:00 AM - 01:05 AM	43.5	59.3	41.6
01:05 AM - 01:10 AM	44.6	61.3	41.9
01:10 AM - 01:15 AM	43.5	58.8	41.6
01:15 AM - 01:20 AM	44.0	68.8	40.9
01:20 AM - 01:25 AM	42.9	56.4	41.0
01:25 AM - 01:30 AM	47.2	60.8	41.3
01:30 AM - 01:35 AM	42.3	53.4	40.3
01:35 AM - 01:40 AM	42.3	52.3	40.2
01:40 AM - 01:45 AM	41.6	48.5	40.5
01:45 AM - 01:50 AM	41.5	47.1	40.4
01:50 AM - 01:55 AM	42.2	48.8	40.0
01:55 AM - 02:00 AM	45.3	61.0	40.4
02:00 AM - 02:05 AM	42.6	51.3	40.1
02:05 AM - 02:10 AM	46.3	63.8	40.5
02:10 AM - 02:15 AM	43.0	58.6	41.5
02:15 AM - 02:20 AM	42.6	53.0	41.7
02:20 AM - 02:25 AM	43.9	55.3	42.0
02:25 AM - 02:30 AM	44.9	53.4	42.3
02:30 AM - 02:35 AM	45.3	62.6	41.2
02:35 AM - 02:40 AM	48.1	68.2	39.9
02:40 AM - 02:45 AM	44.0	58.6	40.5
02:45 AM - 02:50 AM	42.2	49.2	39.8
02:50 AM - 02:55 AM	41.0	46.9	39.5
02:55 AM - 03:00 AM	43.4	57.6	41.1
03:00 AM - 03:05 AM	43.7	57.2	41.8
03:05 AM - 03:10 AM	45.8	59.5	42.9
03:10 AM - 03:15 AM	46.3	64.8	43.2
03:15 AM - 03:20 AM	44.6	53.8	43.2
03:20 AM - 03:25 AM	46.4	60.1	43.0
03:25 AM - 03:30 AM	59.6	82.4	43.3
03:30 AM - 03:35 AM	47.2	62.1	43.3
03:35 AM - 03:40 AM	47.6	63.8	43.1
03:40 AM - 03:45 AM	45.2	59.3	43.5
03:45 AM - 03:50 AM	47.3	64.2	43.9

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Approved by

*Wilawan Borirak*

Wilawan Borirak  
Assistant Manager



## Analysis / Test Report

TESTING  
No.0042

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

Lot ID: 22144028  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report No. : 2535187-1

P/O : RJN-BW-012/65  
Project Name : Chonburi Bowin  
Project Location :  
Sample No. : 22144028-11  
Parameter : Noise  
Location : N2 : มัสยิดบุญวัดอิสลาม (Shut down)  
Measurement Date : Dec 22 - 23, 2022  
Measurement by : Jaradrawee Sriuksa  
Sound Level Meter : 597169

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:50 AM - 03:55 AM	52.8	70.5	42.3
03:55 AM - 04:00 AM	46.0	62.7	42.2
04:00 AM - 04:05 AM	46.0	59.1	43.0
04:05 AM - 04:10 AM	46.6	58.3	43.5
04:10 AM - 04:15 AM	46.4	58.1	44.0
04:15 AM - 04:20 AM	45.9	52.5	43.2
04:20 AM - 04:25 AM	53.0	69.1	43.7
04:25 AM - 04:30 AM	49.9	65.7	44.1
04:30 AM - 04:35 AM	45.5	56.4	42.8
04:35 AM - 04:40 AM	45.4	55.1	42.3
04:40 AM - 04:45 AM	48.8	57.2	42.3
04:45 AM - 04:50 AM	48.5	59.4	43.1
04:50 AM - 04:55 AM	47.9	56.6	43.4
04:55 AM - 05:00 AM	48.7	61.9	44.4
05:00 AM - 05:05 AM	58.6	77.9	44.6
05:05 AM - 05:10 AM	64.7	74.9	45.7
05:10 AM - 05:15 AM	49.6	60.9	45.2
05:15 AM - 05:20 AM	51.1	66.0	46.0
05:20 AM - 05:25 AM	50.2	63.7	44.8
05:25 AM - 05:30 AM	60.1	76.6	45.2
05:30 AM - 05:35 AM	50.1	64.2	45.0
05:35 AM - 05:40 AM	50.3	63.9	43.9
05:40 AM - 05:45 AM	51.8	64.3	44.1
05:45 AM - 05:50 AM	56.2	75.4	45.6
05:50 AM - 05:55 AM	48.7	60.2	44.8
05:55 AM - 06:00 AM	50.2	59.5	45.2
06:00 AM - 07:00 AM	55.5	79.3	47.8
07:00 AM - 08:00 AM	58.3	84.1	49.2
08:00 AM - 09:00 AM	57.4	87.7	45.3
09:00 AM - 10:00 AM	57.1	87.9	44.4
10:00 AM - 11:00 AM	56.5	87.3	47.3
11:00 AM - 12:00 PM	59.1	81.9	46.9

Reference Method : ISO 1996-1

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Approved by

Wilawan Borirak  
Assistant Manager





## Analysis / Test Report

TESTING  
No.0042

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

Lot ID: 22144028  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report No. : 2535188-1

P/O : RJN-BW-012/65  
Project Name : Chonburi Bowin  
Project Location :

Page 1 of 3

Sample No. 22144028-12  
Parameter Noise  
Location N2 : มัสยิดนุรุลอิสลาม (Shut down)  
Measurement Date Dec 23 - 24, 2022  
Measurement by Jaradrawee Sriruksa  
Sound Level Meter 597169

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:00 PM - 01:00 PM	57.8	80.2	48.4
01:00 PM - 02:00 PM	55.3	76.3	45.2
02:00 PM - 03:00 PM	59.5	92.7	45.6
03:00 PM - 04:00 PM	55.2	79.2	43.0
04:00 PM - 05:00 PM	56.6	79.6	44.4
05:00 PM - 06:00 PM	60.9	83.4	48.1
06:00 PM - 07:00 PM	57.6	82.1	48.4
07:00 PM - 08:00 PM	56.0	76.1	45.9
08:00 PM - 09:00 PM	56.0	80.8	45.4
09:00 PM - 10:00 PM	50.8	74.0	43.2
10:00 PM - 10:05 PM	46.8	61.7	41.3
10:05 PM - 10:10 PM	49.5	68.3	42.6
10:10 PM - 10:15 PM	44.6	58.1	41.3
10:15 PM - 10:20 PM	47.7	64.8	40.8
10:20 PM - 10:25 PM	45.3	60.1	40.7
10:25 PM - 10:30 PM	45.4	60.3	40.3
10:30 PM - 10:35 PM	48.6	64.0	41.9
10:35 PM - 10:40 PM	48.9	62.7	41.6
10:40 PM - 10:45 PM	43.5	51.6	41.6
10:45 PM - 10:50 PM	47.1	61.0	42.0
10:50 PM - 10:55 PM	44.7	55.8	41.7
10:55 PM - 11:00 PM	46.9	65.4	42.0
11:00 PM - 11:05 PM	48.8	65.3	41.4
11:05 PM - 11:10 PM	44.4	58.3	41.9
11:10 PM - 11:15 PM	44.9	58.5	42.8
11:15 PM - 11:20 PM	51.1	72.4	42.6
11:20 PM - 11:25 PM	46.8	64.0	42.5
11:25 PM - 11:30 PM	45.7	60.2	43.1
11:30 PM - 11:35 PM	44.6	58.3	43.1
11:35 PM - 11:40 PM	44.6	58.8	43.1
11:40 PM - 11:45 PM	47.6	68.9	42.0
11:45 PM - 11:50 PM	43.4	47.4	42.5
11:50 PM - 11:55 PM	51.1	71.8	43.0
11:55 PM - 12:00 AM	49.1	70.4	43.6
12:00 AM - 12:05 AM	45.1	56.9	42.3
12:05 AM - 12:10 AM	44.0	58.5	41.9
12:10 AM - 12:15 AM	49.9	72.7	41.4
12:15 AM - 12:20 AM	43.8	58.2	41.3
12:20 AM - 12:25 AM	42.6	57.9	40.7
12:25 AM - 12:30 AM	43.8	63.8	40.6

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Approved by

Wilawan Borirak  
Assistant Manager



## Analysis / Test Report

TESTING  
No.0042

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

Lot ID: 22144028  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report No. : 2535188-1

P/O : RJN-BW-012/65  
Project Name : Chonburi Bowin  
Project Location :

Page 2 of 3

Sample No. 22144028-12  
Parameter Noise  
Location N2 : บัณฑิตบุรีลีสลาม (Shut down)  
Measurement Date Dec 23 - 24, 2022  
Measurement by Jaradrawee Sriuksa  
Sound Level Meter 597169

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:30 AM - 12:35 AM	43.4	56.9	41.7
12:35 AM - 12:40 AM	52.6	69.1	41.6
12:40 AM - 12:45 AM	45.9	66.6	41.2
12:45 AM - 12:50 AM	43.2	60.6	40.8
12:50 AM - 12:55 AM	42.2	54.4	40.8
12:55 AM - 01:00 AM	49.1	68.7	40.8
01:00 AM - 01:05 AM	44.5	61.4	40.7
01:05 AM - 01:10 AM	43.2	57.6	40.4
01:10 AM - 01:15 AM	41.5	49.8	40.2
01:15 AM - 01:20 AM	44.6	60.1	40.0
01:20 AM - 01:25 AM	47.7	65.4	40.6
01:25 AM - 01:30 AM	45.2	63.0	41.3
01:30 AM - 01:35 AM	41.8	47.5	40.6
01:35 AM - 01:40 AM	41.8	49.9	40.8
01:40 AM - 01:45 AM	41.3	47.2	40.5
01:45 AM - 01:50 AM	42.5	57.9	40.9
01:50 AM - 01:55 AM	42.1	51.2	40.8
01:55 AM - 02:00 AM	45.3	61.2	40.6
02:00 AM - 02:05 AM	43.1	59.9	40.4
02:05 AM - 02:10 AM	42.3	51.3	41.1
02:10 AM - 02:15 AM	44.3	58.7	40.4
02:15 AM - 02:20 AM	41.9	58.1	39.8
02:20 AM - 02:25 AM	61.7	83.7	40.4
02:25 AM - 02:30 AM	61.6	83.6	39.6
02:30 AM - 02:35 AM	41.1	51.4	39.4
02:35 AM - 02:40 AM	41.0	57.5	39.4
02:40 AM - 02:45 AM	41.7	55.9	39.8
02:45 AM - 02:50 AM	41.3	56.2	39.6
02:50 AM - 02:55 AM	46.6	67.1	39.9
02:55 AM - 03:00 AM	47.1	66.1	39.6
03:00 AM - 03:05 AM	41.0	47.5	40.1
03:05 AM - 03:10 AM	54.9	77.0	40.4
03:10 AM - 03:15 AM	42.0	47.4	40.6
03:15 AM - 03:20 AM	43.3	56.8	40.8
03:20 AM - 03:25 AM	49.5	73.8	41.7
03:25 AM - 03:30 AM	42.5	56.5	41.5
03:30 AM - 03:35 AM	46.6	69.1	41.7
03:35 AM - 03:40 AM	44.1	54.0	42.0
03:40 AM - 03:45 AM	43.8	62.2	41.4
03:45 AM - 03:50 AM	43.5	55.6	42.0

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Approved by

Wilawan Borirak  
Assistant Manager



## Analysis / Test Report

TESTING  
No.0042

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

Lot ID: 22144028  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report No. : 2535188-1

P/O : RJN-BW-012/65  
Project Name : Chonburi Bowin  
Project Location :  
Sample No. : 22144028-12  
Parameter : Noise  
Location : N2 : มัสยิดบุญรุ้งอิสลาม (Shut down)  
Measurement Date : Dec 23 - 24, 2022  
Measurement by : Jaradrawee Sriuksa  
Sound Level Meter : 597169

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:50 AM - 03:55 AM	44.3	57.5	42.0
03:55 AM - 04:00 AM	47.9	64.4	42.2
04:00 AM - 04:05 AM	44.3	59.7	41.4
04:05 AM - 04:10 AM	46.2	69.8	42.0
04:10 AM - 04:15 AM	43.7	57.0	41.1
04:15 AM - 04:20 AM	53.8	76.2	41.4
04:20 AM - 04:25 AM	45.6	61.9	41.5
04:25 AM - 04:30 AM	48.0	73.1	41.3
04:30 AM - 04:35 AM	43.3	61.5	40.8
04:35 AM - 04:40 AM	44.8	65.1	40.5
04:40 AM - 04:45 AM	44.0	53.3	41.7
04:45 AM - 04:50 AM	44.6	58.6	41.4
04:50 AM - 04:55 AM	45.6	67.8	41.5
04:55 AM - 05:00 AM	48.7	67.9	41.9
05:00 AM - 05:05 AM	60.2	75.5	43.2
05:05 AM - 05:10 AM	63.1	75.2	42.7
05:10 AM - 05:15 AM	51.8	71.3	43.1
05:15 AM - 05:20 AM	44.6	56.1	42.3
05:20 AM - 05:25 AM	46.6	61.9	42.6
05:25 AM - 05:30 AM	46.1	59.2	42.6
05:30 AM - 05:35 AM	46.0	61.8	42.8
05:35 AM - 05:40 AM	48.3	58.3	42.8
05:40 AM - 05:45 AM	59.9	79.5	42.4
05:45 AM - 05:50 AM	54.3	72.7	41.5
05:50 AM - 05:55 AM	52.9	68.9	43.0
05:55 AM - 06:00 AM	52.3	67.3	44.0
06:00 AM - 07:00 AM	56.1	83.6	47.1
07:00 AM - 08:00 AM	56.4	79.1	49.0
08:00 AM - 09:00 AM	57.0	81.8	46.4
09:00 AM - 10:00 AM	58.7	80.9	46.2
10:00 AM - 11:00 AM	55.7	79.6	45.1
11:00 AM - 12:00 PM	56.0	80.5	45.8

Reference Method : ISO 1996-1

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Wilawan Borirak  
Assistant Manager



## Analysis / Test Report

TESTING  
No.0042

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

Lot ID: 22144028  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report No. : 2535189-1

P/O : RJN-BW-012/65  
Project Name : Chonburi Bowin  
Project Location :

Page 1 of 3

Sample No. 22144028-13  
Parameter Noise  
Location N2 : มัสยิดนุรุลอิสลาม (Shut down)  
Measurement Date Dec 24 - 25, 2022  
Measurement by Jaradrawee Sriruksa  
Sound Level Meter 597169

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:00 PM - 01:00 PM	57.1	78.3	44.7
01:00 PM - 02:00 PM	54.0	77.9	42.1
02:00 PM - 03:00 PM	54.2	79.3	43.4
03:00 PM - 04:00 PM	55.6	78.3	43.4
04:00 PM - 05:00 PM	54.0	81.1	43.1
05:00 PM - 06:00 PM	56.9	78.8	45.3
06:00 PM - 07:00 PM	57.1	79.1	46.0
07:00 PM - 08:00 PM	56.7	78.8	45.7
08:00 PM - 09:00 PM	55.2	76.1	47.2
09:00 PM - 10:00 PM	58.4	88.0	47.2
10:00 PM - 10:05 PM	49.0	65.9	41.6
10:05 PM - 10:10 PM	45.1	61.7	40.8
10:10 PM - 10:15 PM	50.8	70.2	42.7
10:15 PM - 10:20 PM	51.7	66.1	41.6
10:20 PM - 10:25 PM	53.1	69.2	43.6
10:25 PM - 10:30 PM	52.5	70.0	43.1
10:30 PM - 10:35 PM	52.1	66.6	43.1
10:35 PM - 10:40 PM	50.7	67.4	43.1
10:40 PM - 10:45 PM	51.8	67.2	42.9
10:45 PM - 10:50 PM	58.5	77.0	42.8
10:50 PM - 10:55 PM	51.1	70.6	43.1
10:55 PM - 11:00 PM	51.0	64.5	42.8
11:00 PM - 11:05 PM	50.0	60.5	42.5
11:05 PM - 11:10 PM	52.6	67.4	43.6
11:10 PM - 11:15 PM	49.9	62.4	43.4
11:15 PM - 11:20 PM	54.8	73.4	44.8
11:20 PM - 11:25 PM	50.4	65.2	44.1
11:25 PM - 11:30 PM	49.3	69.0	43.7
11:30 PM - 11:35 PM	51.3	74.2	43.2
11:35 PM - 11:40 PM	47.9	64.3	40.8
11:40 PM - 11:45 PM	45.3	62.2	40.0
11:45 PM - 11:50 PM	47.3	65.2	41.4
11:50 PM - 11:55 PM	47.7	64.3	42.2
11:55 PM - 12:00 AM	42.9	53.2	41.2
12:00 AM - 12:05 AM	43.7	59.1	41.0
12:05 AM - 12:10 AM	48.0	64.1	42.0
12:10 AM - 12:15 AM	47.5	65.5	42.6
12:15 AM - 12:20 AM	44.1	57.6	42.1
12:20 AM - 12:25 AM	46.6	62.1	41.4
12:25 AM - 12:30 AM	45.8	62.4	41.5

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Wilawan Borirak  
Assistant Manager



## Analysis / Test Report

TESTING  
No.0042

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

Lot ID: 22144028  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report No. : 2535189-1

P/O : RJN-BW-012/65  
Project Name : Chonburi Bowin  
Project Location :  
Sample No. : 22144028-13  
Parameter : Noise  
Location : N2 : มัสยิดบุญรุ้งอิสลาม (Shut down)  
Measurement Date : Dec 24 - 25, 2022  
Measurement by : Jaradrawee Sriuksa  
Sound Level Meter : 597169

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:30 AM - 12:35 AM	44.9	60.4	42.4
12:35 AM - 12:40 AM	46.3	60.6	42.7
12:40 AM - 12:45 AM	50.6	75.6	41.8
12:45 AM - 12:50 AM	50.0	72.0	42.6
12:50 AM - 12:55 AM	46.7	59.0	43.6
12:55 AM - 01:00 AM	53.2	73.2	42.9
01:00 AM - 01:05 AM	45.0	54.9	42.7
01:05 AM - 01:10 AM	48.4	63.0	41.9
01:10 AM - 01:15 AM	45.9	60.1	41.9
01:15 AM - 01:20 AM	44.6	59.7	41.4
01:20 AM - 01:25 AM	43.5	58.7	41.5
01:25 AM - 01:30 AM	46.8	61.1	42.0
01:30 AM - 01:35 AM	43.4	51.5	42.1
01:35 AM - 01:40 AM	45.2	64.7	41.5
01:40 AM - 01:45 AM	44.1	60.0	41.2
01:45 AM - 01:50 AM	43.7	60.0	41.5
01:50 AM - 01:55 AM	42.4	47.1	41.6
01:55 AM - 02:00 AM	42.4	55.1	41.1
02:00 AM - 02:05 AM	42.1	53.6	40.8
02:05 AM - 02:10 AM	43.0	59.3	41.0
02:10 AM - 02:15 AM	41.6	50.8	40.6
02:15 AM - 02:20 AM	42.7	51.2	41.2
02:20 AM - 02:25 AM	43.2	58.8	41.4
02:25 AM - 02:30 AM	43.2	49.8	41.3
02:30 AM - 02:35 AM	42.9	48.9	41.0
02:35 AM - 02:40 AM	45.5	60.7	40.7
02:40 AM - 02:45 AM	55.4	78.1	40.2
02:45 AM - 02:50 AM	44.1	64.2	40.2
02:50 AM - 02:55 AM	42.7	54.4	40.6
02:55 AM - 03:00 AM	41.4	49.9	40.3
03:00 AM - 03:05 AM	42.0	50.5	40.5
03:05 AM - 03:10 AM	43.2	58.2	40.2
03:10 AM - 03:15 AM	48.6	63.5	40.1
03:15 AM - 03:20 AM	41.6	58.1	39.8
03:20 AM - 03:25 AM	52.9	73.4	41.6
03:25 AM - 03:30 AM	48.2	65.1	40.5
03:30 AM - 03:35 AM	42.9	53.8	40.4
03:35 AM - 03:40 AM	42.2	57.0	39.7
03:40 AM - 03:45 AM	42.1	55.3	40.1
03:45 AM - 03:50 AM	43.1	59.3	39.3

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Wilawan Borirak  
Assistant Manager



## Analysis / Test Report

TESTING  
No.0042

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

Lot ID: 22144028  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report No. : 2535189-1

P/O : RJN-BW-012/65  
Project Name : Chonburi Bowin  
Project Location :

Page 3 of 3

Sample No. 22144028-13  
Parameter Noise  
Location N2 : มัสยิดนูรุ้ลอิสลาม (Shut down)  
Measurement Date Dec 24 - 25, 2022  
Measurement by Jaradrawee Sriruksa  
Sound Level Meter 597169

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:50 AM - 03:55 AM	43.1	59.5	39.5
03:55 AM - 04:00 AM	44.6	61.9	40.1
04:00 AM - 04:05 AM	43.4	57.3	40.7
04:05 AM - 04:10 AM	57.3	83.5	42.1
04:10 AM - 04:15 AM	42.1	50.9	40.7
04:15 AM - 04:20 AM	44.9	65.0	40.0
04:20 AM - 04:25 AM	47.7	69.0	40.8
04:25 AM - 04:30 AM	44.4	61.5	41.0
04:30 AM - 04:35 AM	42.1	49.3	40.1
04:35 AM - 04:40 AM	41.7	50.0	39.9
04:40 AM - 04:45 AM	44.9	67.9	40.1
04:45 AM - 04:50 AM	46.1	69.2	40.9
04:50 AM - 04:55 AM	45.7	59.5	40.9
04:55 AM - 05:00 AM	57.6	80.1	42.0
05:00 AM - 05:05 AM	52.1	76.5	42.8
05:05 AM - 05:10 AM	49.2	63.0	43.6
05:10 AM - 05:15 AM	49.2	64.7	42.6
05:15 AM - 05:20 AM	47.6	64.0	42.2
05:20 AM - 05:25 AM	47.0	59.3	41.5
05:25 AM - 05:30 AM	49.4	66.9	43.4
05:30 AM - 05:35 AM	50.7	68.3	43.8
05:35 AM - 05:40 AM	49.0	63.3	43.4
05:40 AM - 05:45 AM	49.4	73.7	43.0
05:45 AM - 05:50 AM	63.9	75.0	43.5
05:50 AM - 05:55 AM	49.5	62.7	42.5
05:55 AM - 06:00 AM	50.8	66.3	42.6
06:00 AM - 07:00 AM	50.6	81.7	42.4
07:00 AM - 08:00 AM	57.8	80.3	48.9
08:00 AM - 09:00 AM	57.3	83.3	47.6
09:00 AM - 10:00 AM	55.1	82.4	46.1
10:00 AM - 11:00 AM	57.0	79.8	47.0
11:00 AM - 12:00 PM	65.4	85.3	60.4

Reference Method : ISO 1996-1

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Wilawan Borirak  
Assistant Manager



## Analysis / Test Report

**TESTING**  
**No.0042**

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

Lot ID: 22144028  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report No. : 2535190-1

P/O : RJN-BW-012/65  
Project Name : Chonburi Bowin  
Project Location :

Page 1 of 3

Sample No. 22144028-14  
Parameter Noise  
Location N2 : มัสยิดนุรุลอิสลาม (Shut down)  
Measurement Date Dec 25 - 26, 2022  
Measurement by Jaradrawee Sriuksa  
Sound Level Meter 597169

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:00 PM - 01:00 PM	58.7	80.3	49.0
01:00 PM - 02:00 PM	54.8	80.6	44.0
02:00 PM - 03:00 PM	54.2	76.9	42.9
03:00 PM - 04:00 PM	55.8	77.1	42.3
04:00 PM - 05:00 PM	56.4	77.6	43.6
05:00 PM - 06:00 PM	57.7	82.4	46.2
06:00 PM - 07:00 PM	58.2	82.4	46.8
07:00 PM - 08:00 PM	56.7	81.4	45.7
08:00 PM - 09:00 PM	56.3	84.2	44.3
09:00 PM - 10:00 PM	54.0	76.7	48.8
10:00 PM - 10:05 PM	45.5	60.1	42.0
10:05 PM - 10:10 PM	50.5	68.9	42.1
10:10 PM - 10:15 PM	47.5	64.1	42.9
10:15 PM - 10:20 PM	51.3	74.6	43.5
10:20 PM - 10:25 PM	50.2	65.9	43.0
10:25 PM - 10:30 PM	48.8	65.3	43.1
10:30 PM - 10:35 PM	47.3	60.5	43.3
10:35 PM - 10:40 PM	48.1	60.4	43.5
10:40 PM - 10:45 PM	47.7	64.5	43.9
10:45 PM - 10:50 PM	63.1	86.8	43.7
10:50 PM - 10:55 PM	45.9	59.4	43.3
10:55 PM - 11:00 PM	47.2	61.2	43.4
11:00 PM - 11:05 PM	46.7	60.7	42.0
11:05 PM - 11:10 PM	44.1	61.4	42.0
11:10 PM - 11:15 PM	43.2	49.4	42.0
11:15 PM - 11:20 PM	53.7	74.7	43.1
11:20 PM - 11:25 PM	45.4	61.2	43.1
11:25 PM - 11:30 PM	45.6	60.9	42.9
11:30 PM - 11:35 PM	45.5	59.5	43.1
11:35 PM - 11:40 PM	44.1	50.8	42.8
11:40 PM - 11:45 PM	56.7	81.7	43.4
11:45 PM - 11:50 PM	46.4	58.0	43.4
11:50 PM - 11:55 PM	49.5	64.4	43.1
11:55 PM - 12:00 AM	45.3	65.4	41.1
12:00 AM - 12:05 AM	48.3	65.3	40.5
12:05 AM - 12:10 AM	47.7	66.9	40.4
12:10 AM - 12:15 AM	43.8	60.3	40.1
12:15 AM - 12:20 AM	42.0	58.3	38.2
12:20 AM - 12:25 AM	45.8	64.1	37.5
12:25 AM - 12:30 AM	42.5	60.4	37.6

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Approved by

*Wilawan Borirak*

Wilawan Borirak  
Assistant Manager

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## Analysis / Test Report

**TESTING**  
**No.0042**

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

Lot ID: 22144028  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report No. : 2535190-1

P/O : RJN-BW-012/65  
Project Name : Chonburi Bowin  
Project Location :

Page 2 of 3

Sample No. 22144028-14  
Parameter Noise  
Location N2 : มัสยิดนูรุลอิสลาม (Shut down)  
Measurement Date Dec 25 - 26, 2022  
Measurement by Jaradrawee Sriuksa  
Sound Level Meter 597169

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:30 AM - 12:35 AM	41.0	57.7	38.3
12:35 AM - 12:40 AM	42.7	55.1	38.6
12:40 AM - 12:45 AM	43.1	60.0	39.3
12:45 AM - 12:50 AM	42.9	58.4	40.1
12:50 AM - 12:55 AM	44.1	67.0	39.7
12:55 AM - 01:00 AM	51.0	73.7	40.7
01:00 AM - 01:05 AM	43.9	54.8	40.9
01:05 AM - 01:10 AM	45.6	58.8	41.0
01:10 AM - 01:15 AM	42.1	53.0	40.3
01:15 AM - 01:20 AM	42.8	58.1	40.4
01:20 AM - 01:25 AM	48.6	73.2	39.9
01:25 AM - 01:30 AM	44.5	64.3	40.7
01:30 AM - 01:35 AM	44.3	60.5	42.0
01:35 AM - 01:40 AM	45.5	64.9	41.4
01:40 AM - 01:45 AM	41.9	52.6	40.8
01:45 AM - 01:50 AM	47.7	64.2	40.7
01:50 AM - 01:55 AM	46.2	62.2	40.4
01:55 AM - 02:00 AM	41.4	55.3	39.7
02:00 AM - 02:05 AM	41.2	51.4	39.7
02:05 AM - 02:10 AM	48.9	70.7	40.5
02:10 AM - 02:15 AM	42.0	50.1	40.8
02:15 AM - 02:20 AM	41.9	47.2	40.9
02:20 AM - 02:25 AM	42.5	53.8	41.1
02:25 AM - 02:30 AM	43.8	57.2	41.5
02:30 AM - 02:35 AM	43.9	63.3	41.1
02:35 AM - 02:40 AM	41.2	49.4	40.1
02:40 AM - 02:45 AM	49.2	70.5	41.1
02:45 AM - 02:50 AM	41.7	48.5	40.5
02:50 AM - 02:55 AM	47.0	67.9	40.9
02:55 AM - 03:00 AM	43.0	60.6	40.4
03:00 AM - 03:05 AM	42.5	56.3	40.8
03:05 AM - 03:10 AM	47.0	63.3	40.8
03:10 AM - 03:15 AM	46.2	65.3	40.5
03:15 AM - 03:20 AM	43.8	60.8	40.3
03:20 AM - 03:25 AM	44.4	59.5	41.2
03:25 AM - 03:30 AM	40.9	49.1	39.6
03:30 AM - 03:35 AM	41.5	49.3	39.9
03:35 AM - 03:40 AM	42.3	58.5	40.1
03:40 AM - 03:45 AM	41.8	50.9	40.0
03:45 AM - 03:50 AM	43.9	62.9	39.7

The above results are valid only for the analyzed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

Approved by

*Wilawan Borirak*

Wilawan Borirak  
Assistant Manager

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Page 3 of 3



## Analysis / Test Report

TESTING  
No.0042

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

Lot ID: 22144028  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report No. : 2535190-1

P/O : RJN-BW-012/65  
Project Name : Chonburi Bowin  
Project Location :  
Sample No. : 22144028-14  
Parameter : Noise  
Location : N2 : มัสยิดบุญรุ้งอิสลาม (Shut down)  
Measurement Date : Dec 25 - 26, 2022  
Measurement by : Jaradrawee Sriuksa  
Sound Level Meter : 597169

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:50 AM - 03:55 AM	42.4	55.5	39.6
03:55 AM - 04:00 AM	43.4	60.9	39.7
04:00 AM - 04:05 AM	41.8	51.7	40.5
04:05 AM - 04:10 AM	44.0	66.7	40.7
04:10 AM - 04:15 AM	42.4	58.1	40.7
04:15 AM - 04:20 AM	42.3	51.3	40.9
04:20 AM - 04:25 AM	42.4	56.5	40.4
04:25 AM - 04:30 AM	42.9	58.0	40.8
04:30 AM - 04:35 AM	42.2	49.1	41.0
04:35 AM - 04:40 AM	42.9	62.3	40.6
04:40 AM - 04:45 AM	51.6	71.6	42.0
04:45 AM - 04:50 AM	44.7	60.0	41.9
04:50 AM - 04:55 AM	46.3	63.3	41.7
04:55 AM - 05:00 AM	49.4	67.9	42.1
05:00 AM - 05:05 AM	49.9	74.6	42.2
05:05 AM - 05:10 AM	48.6	60.9	43.1
05:10 AM - 05:15 AM	49.0	56.2	43.7
05:15 AM - 05:20 AM	50.9	69.1	44.0
05:20 AM - 05:25 AM	50.0	65.7	42.1
05:25 AM - 05:30 AM	55.9	76.8	42.3
05:30 AM - 05:35 AM	58.2	68.2	42.3
05:35 AM - 05:40 AM	51.9	72.2	43.3
05:40 AM - 05:45 AM	61.4	78.6	42.9
05:45 AM - 05:50 AM	63.0	74.9	42.6
05:50 AM - 05:55 AM	56.4	69.2	43.7
05:55 AM - 06:00 AM	48.7	58.7	42.9
06:00 AM - 07:00 AM	54.5	71.7	51.4
07:00 AM - 08:00 AM	55.0	84.7	47.6
08:00 AM - 09:00 AM	57.2	87.3	50.8
09:00 AM - 10:00 AM	54.6	79.4	45.8
10:00 AM - 11:00 AM	52.6	78.8	44.7
11:00 AM - 12:00 PM	58.4	83.6	53.7

Reference Method : ISO 1996-1

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Approved by

Wilawan Borirak  
Assistant Manager



# Analysis / Test Report

**TESTING**  
**No.0042**

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

Lot ID: 22144028  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report No. : 2535191-1

P/O : RJN-BW-012/65  
Project Name : Chonburi Bowin  
Project Location :

Page 1 of 3

Sample No. 22144028-15  
Parameter Noise  
Location N3 : หอประชุมโรงเรียน 5 (Shut down)  
Measurement Date Dec 19 - 20, 2022  
Measurement by Jaradrawee Sriuksa  
Sound Level Meter 00472126

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:00 PM - 01:00 PM	53.5	96.0	41.0
01:00 PM - 02:00 PM	44.9	66.3	41.1
02:00 PM - 03:00 PM	49.0	84.7	41.3
03:00 PM - 04:00 PM	46.0	70.3	40.7
04:00 PM - 05:00 PM	46.3	68.3	40.8
05:00 PM - 06:00 PM	52.4	74.2	42.8
06:00 PM - 07:00 PM	49.0	73.4	45.9
07:00 PM - 08:00 PM	47.5	67.1	44.4
08:00 PM - 09:00 PM	46.1	62.6	43.6
09:00 PM - 10:00 PM	44.7	66.3	43.3
10:00 PM - 10:05 PM	47.1	63.1	43.1
10:05 PM - 10:10 PM	45.9	56.7	43.2
10:10 PM - 10:15 PM	44.6	52.9	43.0
10:15 PM - 10:20 PM	45.0	63.8	43.0
10:20 PM - 10:25 PM	46.3	67.4	43.1
10:25 PM - 10:30 PM	46.0	63.7	42.9
10:30 PM - 10:35 PM	45.8	66.3	43.1
10:35 PM - 10:40 PM	46.8	65.4	43.8
10:40 PM - 10:45 PM	46.5	66.7	43.2
10:45 PM - 10:50 PM	45.7	62.8	42.8
10:50 PM - 10:55 PM	45.4	63.4	42.3
10:55 PM - 11:00 PM	43.9	59.6	42.1
11:00 PM - 11:05 PM	44.1	54.7	42.3
11:05 PM - 11:10 PM	45.1	63.7	42.3
11:10 PM - 11:15 PM	46.5	62.5	43.4
11:15 PM - 11:20 PM	48.3	71.6	42.4
11:20 PM - 11:25 PM	45.8	66.5	42.2
11:25 PM - 11:30 PM	43.7	57.2	42.1
11:30 PM - 11:35 PM	42.9	53.3	42.0
11:35 PM - 11:40 PM	43.9	53.0	42.5
11:40 PM - 11:45 PM	44.1	54.0	42.6
11:45 PM - 11:50 PM	43.2	50.9	42.3
11:50 PM - 11:55 PM	43.4	54.5	42.2
11:55 PM - 12:00 AM	43.2	63.2	41.4
12:00 AM - 12:05 AM	42.4	52.1	41.4
12:05 AM - 12:10 AM	43.9	64.6	41.6
12:10 AM - 12:15 AM	42.3	59.6	41.2
12:15 AM - 12:20 AM	43.3	55.3	41.5
12:20 AM - 12:25 AM	43.7	62.7	41.7
12:25 AM - 12:30 AM	42.9	61.8	41.6

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Approved by

*Wilawan Borirak*

Wilawan Borirak  
Assistant Manager



# Analysis / Test Report

**TESTING**  
**No.0042**

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

Lot ID: 22144028  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report No. : 2535191-1

P/O : RJN-BW-012/65  
Project Name : Chonburi Bowin  
Project Location :

Page 2 of 3

Sample No. 22144028-15  
Parameter Noise  
Location N3 : หมู่บ้านไข่มุก 5 (Shut down)  
Measurement Date Dec 19 - 20, 2022  
Measurement by Jaradrawee Sriruksa  
Sound Level Meter 00472126

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:30 AM - 12:35 AM	42.4	57.7	41.5
12:35 AM - 12:40 AM	41.9	57.3	41.2
12:40 AM - 12:45 AM	42.7	60.8	41.4
12:45 AM - 12:50 AM	43.1	56.1	41.9
12:50 AM - 12:55 AM	43.0	55.1	42.0
12:55 AM - 01:00 AM	44.4	59.6	42.5
01:00 AM - 01:05 AM	44.4	63.2	42.0
01:05 AM - 01:10 AM	43.1	48.4	41.9
01:10 AM - 01:15 AM	50.7	75.3	42.6
01:15 AM - 01:20 AM	55.0	73.1	42.4
01:20 AM - 01:25 AM	44.0	61.9	42.0
01:25 AM - 01:30 AM	43.6	56.2	42.3
01:30 AM - 01:35 AM	45.1	63.9	42.1
01:35 AM - 01:40 AM	46.4	62.7	42.6
01:40 AM - 01:45 AM	45.0	62.2	42.5
01:45 AM - 01:50 AM	43.7	60.9	41.7
01:50 AM - 01:55 AM	45.4	65.3	42.4
01:55 AM - 02:00 AM	44.3	61.7	42.2
02:00 AM - 02:05 AM	45.7	65.1	42.5
02:05 AM - 02:10 AM	45.0	61.1	42.8
02:10 AM - 02:15 AM	44.1	59.8	42.1
02:15 AM - 02:20 AM	43.6	56.8	42.2
02:20 AM - 02:25 AM	46.2	64.7	42.8
02:25 AM - 02:30 AM	43.5	58.6	42.4
02:30 AM - 02:35 AM	45.3	62.0	42.6
02:35 AM - 02:40 AM	49.1	70.9	42.1
02:40 AM - 02:45 AM	46.7	70.1	42.0
02:45 AM - 02:50 AM	47.4	71.0	41.9
02:50 AM - 02:55 AM	47.1	66.2	42.5
02:55 AM - 03:00 AM	45.9	66.2	42.5
03:00 AM - 03:05 AM	45.6	63.9	42.4
03:05 AM - 03:10 AM	43.4	54.5	41.7
03:10 AM - 03:15 AM	43.0	62.8	41.4
03:15 AM - 03:20 AM	42.4	49.0	41.2
03:20 AM - 03:25 AM	42.8	56.0	41.3
03:25 AM - 03:30 AM	41.9	58.0	40.7
03:30 AM - 03:35 AM	41.9	49.3	40.7
03:35 AM - 03:40 AM	41.4	45.3	40.5
03:40 AM - 03:45 AM	41.8	60.0	40.2
03:45 AM - 03:50 AM	42.2	54.7	40.8

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Approved by

*Wilawan Borirak*

Wilawan Borirak  
Assistant Manager



## Analysis / Test Report

**TESTING**  
**No.0042**

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

Lot ID: 22144028  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report No. : 2535191-1

P/O : RJN-BW-012/65  
Project Name : Chonburi Bowin  
Project Location :  
Sample No. 22144028-15  
Parameter Noise  
Location N3 : โรงงานโซน 5 (Shut down)  
Measurement Date Dec 19 - 20, 2022  
Measurement by Jaradrawee Sriuksa  
Sound Level Meter 00472126

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:50 AM - 03:55 AM	43.2	59.3	41.6
03:55 AM - 04:00 AM	43.0	50.1	41.7
04:00 AM - 04:05 AM	43.6	50.7	41.7
04:05 AM - 04:10 AM	45.8	63.1	41.3
04:10 AM - 04:15 AM	52.2	65.3	41.2
04:15 AM - 04:20 AM	43.2	51.5	41.4
04:20 AM - 04:25 AM	42.6	51.5	40.6
04:25 AM - 04:30 AM	43.0	60.4	41.3
04:30 AM - 04:35 AM	42.9	61.7	41.4
04:35 AM - 04:40 AM	43.5	57.8	41.6
04:40 AM - 04:45 AM	43.4	51.7	41.7
04:45 AM - 04:50 AM	43.0	49.0	41.4
04:50 AM - 04:55 AM	43.4	49.0	41.8
04:55 AM - 05:00 AM	43.1	49.1	41.5
05:00 AM - 05:05 AM	43.7	59.3	41.5
05:05 AM - 05:10 AM	43.8	59.7	41.4
05:10 AM - 05:15 AM	43.4	51.1	41.4
05:15 AM - 05:20 AM	43.7	56.3	41.6
05:20 AM - 05:25 AM	51.1	63.9	42.0
05:25 AM - 05:30 AM	52.8	64.5	42.2
05:30 AM - 05:35 AM	48.7	63.8	42.5
05:35 AM - 05:40 AM	47.6	61.6	41.8
05:40 AM - 05:45 AM	45.7	59.6	42.0
05:45 AM - 05:50 AM	48.5	62.2	43.1
05:50 AM - 05:55 AM	50.8	62.9	43.1
05:55 AM - 06:00 AM	51.3	71.5	43.3
06:00 AM - 07:00 AM	49.3	70.7	44.0
07:00 AM - 08:00 AM	47.5	69.9	43.9
08:00 AM - 09:00 AM	50.1	83.1	44.0
09:00 AM - 10:00 AM	48.7	84.4	42.3
10:00 AM - 11:00 AM	47.5	79.2	42.5
11:00 AM - 12:00 PM	45.6	70.4	41.0

Reference Method : ISO 1996-1

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Approved by

Wilawan Borirak  
Assistant Manager



## Analysis / Test Report

TESTING  
No.0042

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

Lot ID: 22144028  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report No. : 2535192-1

P/O : RJN-BW-012/65  
Project Name : Chonburi Bowin  
Project Location :

Page 1 of 3

Sample No. 22144028-16  
Parameter Noise  
Location N3 : หมู่บ้านไข่มุก 5 (Shut down)  
Measurement Date Dec 20 - 21, 2022  
Measurement by Jaradrawee Sriuksa  
Sound Level Meter 00472126

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:00 PM - 01:00 PM	44.1	67.1	40.6
01:00 PM - 02:00 PM	52.5	90.2	38.1
02:00 PM - 03:00 PM	50.9	78.6	38.2
03:00 PM - 04:00 PM	42.6	66.8	38.6
04:00 PM - 05:00 PM	46.3	76.1	40.6
05:00 PM - 06:00 PM	47.6	69.6	43.4
06:00 PM - 07:00 PM	49.4	67.7	47.3
07:00 PM - 08:00 PM	49.4	67.1	46.3
08:00 PM - 09:00 PM	48.0	67.9	45.7
09:00 PM - 10:00 PM	46.9	66.7	44.8
10:00 PM - 10:05 PM	45.2	50.1	44.1
10:05 PM - 10:10 PM	44.6	49.0	43.7
10:10 PM - 10:15 PM	44.9	51.2	43.7
10:15 PM - 10:20 PM	45.9	54.3	44.3
10:20 PM - 10:25 PM	45.1	50.0	44.1
10:25 PM - 10:30 PM	45.4	50.8	44.2
10:30 PM - 10:35 PM	45.0	49.9	44.3
10:35 PM - 10:40 PM	45.5	51.3	44.5
10:40 PM - 10:45 PM	45.5	51.6	44.6
10:45 PM - 10:50 PM	45.6	57.0	44.6
10:50 PM - 10:55 PM	45.6	51.8	44.7
10:55 PM - 11:00 PM	45.4	51.8	44.4
11:00 PM - 11:05 PM	45.3	53.0	43.9
11:05 PM - 11:10 PM	45.0	52.4	44.0
11:10 PM - 11:15 PM	44.6	50.9	43.6
11:15 PM - 11:20 PM	45.2	55.8	43.8
11:20 PM - 11:25 PM	44.9	52.5	43.7
11:25 PM - 11:30 PM	44.3	50.0	43.4
11:30 PM - 11:35 PM	45.0	51.5	43.7
11:35 PM - 11:40 PM	48.0	70.4	44.4
11:40 PM - 11:45 PM	45.2	50.9	43.9
11:45 PM - 11:50 PM	44.9	57.5	43.7
11:50 PM - 11:55 PM	44.5	50.3	43.2
11:55 PM - 12:00 AM	44.8	52.4	43.5
12:00 AM - 12:05 AM	48.2	62.7	43.3
12:05 AM - 12:10 AM	44.5	50.6	43.5
12:10 AM - 12:15 AM	44.2	51.0	43.3
12:15 AM - 12:20 AM	44.5	51.6	43.1
12:20 AM - 12:25 AM	45.1	51.2	44.2
12:25 AM - 12:30 AM	44.8	51.1	43.8

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Approved by

Wilawan Borirak  
Assistant Manager



## Analysis / Test Report

TESTING  
No.0042

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

Lot ID: 22144028  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report No. : 2535192-1

P/O : RJN-BW-012/65  
Project Name : Chonburi Bowin  
Project Location :  
Sample No. : 22144028-16  
Parameter : Noise  
Location : N3 : หอประชุม 5 (Shut down)  
Measurement Date : Dec 20 - 21, 2022  
Measurement by : Jaradrawee Sriuksa  
Sound Level Meter : 00472126

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:30 AM - 12:35 AM	44.3	50.0	43.3
12:35 AM - 12:40 AM	44.8	52.1	43.8
12:40 AM - 12:45 AM	45.2	51.5	43.6
12:45 AM - 12:50 AM	45.8	53.5	43.4
12:50 AM - 12:55 AM	46.3	52.2	43.9
12:55 AM - 01:00 AM	46.0	52.1	43.7
01:00 AM - 01:05 AM	46.3	53.3	43.5
01:05 AM - 01:10 AM	46.0	52.2	43.8
01:10 AM - 01:15 AM	45.9	50.1	44.2
01:15 AM - 01:20 AM	45.2	49.6	43.8
01:20 AM - 01:25 AM	59.2	77.4	47.1
01:25 AM - 01:30 AM	53.0	76.7	43.7
01:30 AM - 01:35 AM	44.4	53.8	43.2
01:35 AM - 01:40 AM	43.9	50.5	42.9
01:40 AM - 01:45 AM	44.6	62.5	42.7
01:45 AM - 01:50 AM	44.0	51.4	42.5
01:50 AM - 01:55 AM	44.3	51.9	42.6
01:55 AM - 02:00 AM	44.3	52.3	42.3
02:00 AM - 02:05 AM	44.5	52.4	42.2
02:05 AM - 02:10 AM	46.6	53.0	44.6
02:10 AM - 02:15 AM	48.3	61.6	43.6
02:15 AM - 02:20 AM	50.9	63.6	43.5
02:20 AM - 02:25 AM	45.4	52.7	42.9
02:25 AM - 02:30 AM	47.1	54.7	43.9
02:30 AM - 02:35 AM	46.8	53.5	43.1
02:35 AM - 02:40 AM	47.2	56.5	43.5
02:40 AM - 02:45 AM	46.9	53.1	43.7
02:45 AM - 02:50 AM	46.5	53.5	43.4
02:50 AM - 02:55 AM	46.6	54.8	43.4
02:55 AM - 03:00 AM	46.1	53.1	43.4
03:00 AM - 03:05 AM	46.2	52.8	43.4
03:05 AM - 03:10 AM	50.2	63.4	43.5
03:10 AM - 03:15 AM	46.3	53.0	43.5
03:15 AM - 03:20 AM	46.9	53.9	43.5
03:20 AM - 03:25 AM	46.5	53.4	43.7
03:25 AM - 03:30 AM	45.7	53.0	43.2
03:30 AM - 03:35 AM	46.8	64.8	42.9
03:35 AM - 03:40 AM	45.8	54.2	43.4
03:40 AM - 03:45 AM	49.3	69.5	43.6
03:45 AM - 03:50 AM	52.7	73.4	44.4

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Approved by

Wilawan Borirak  
Assistant Manager





# Analysis / Test Report

**TESTING**  
**No.0042**

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

Lot ID: 22144028  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report No. : 2535192-1

P/O : RJN-BW-012/65  
Project Name : Chonburi Bowin  
Project Location :

Page 3 of 3

Sample No. 22144028-16  
Parameter Noise  
Location N3 : หอประชุมโรงเรียน 5 (Shut down)  
Measurement Date Dec 20 - 21, 2022  
Measurement by Jaradrawee Sriruksa  
Sound Level Meter 00472126

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:50 AM - 03:55 AM	46.2	52.9	43.8
03:55 AM - 04:00 AM	46.5	52.8	43.7
04:00 AM - 04:05 AM	46.5	53.5	43.9
04:05 AM - 04:10 AM	47.0	53.6	44.1
04:10 AM - 04:15 AM	47.7	60.8	44.0
04:15 AM - 04:20 AM	48.4	60.6	43.8
04:20 AM - 04:25 AM	47.2	53.6	43.9
04:25 AM - 04:30 AM	47.2	54.3	44.3
04:30 AM - 04:35 AM	47.0	53.6	44.1
04:35 AM - 04:40 AM	47.4	54.7	43.9
04:40 AM - 04:45 AM	49.3	61.0	44.0
04:45 AM - 04:50 AM	52.5	64.5	44.7
04:50 AM - 04:55 AM	47.9	54.0	44.7
04:55 AM - 05:00 AM	47.4	54.2	44.0
05:00 AM - 05:05 AM	47.0	54.8	43.5
05:05 AM - 05:10 AM	47.1	54.3	43.4
05:10 AM - 05:15 AM	47.3	54.0	43.0
05:15 AM - 05:20 AM	47.3	53.9	43.4
05:20 AM - 05:25 AM	47.7	54.1	43.6
05:25 AM - 05:30 AM	51.6	65.0	44.2
05:30 AM - 05:35 AM	53.1	67.0	44.2
05:35 AM - 05:40 AM	53.7	66.6	45.2
05:40 AM - 05:45 AM	51.4	67.0	45.7
05:45 AM - 05:50 AM	50.7	61.3	45.1
05:50 AM - 05:55 AM	49.9	58.9	46.3
05:55 AM - 06:00 AM	50.2	67.9	46.1
06:00 AM - 07:00 AM	48.0	70.7	44.8
07:00 AM - 08:00 AM	48.0	67.4	45.0
08:00 AM - 09:00 AM	48.6	74.5	43.0
09:00 AM - 10:00 AM	51.1	78.9	42.3
10:00 AM - 11:00 AM	44.2	63.9	41.0
11:00 AM - 12:00 PM	43.9	64.6	40.1

Reference Method : ISO 1996-1

The above results are valid only for the analyzed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

Approved by

Wilawan Borirak  
Assistant Manager



## Analysis / Test Report

TESTING  
No.0042

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

Lot ID: 22144028  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report No. : 2535193-1

P/O : RJN-BW-012/65  
Project Name : Chonburi Bowin  
Project Location :

Page 1 of 3

Sample No. 22144028-17  
Parameter Noise  
Location N3 : หมู่บ้านไข่มุก 5 (Shut down)  
Measurement Date Dec 21 - 22, 2022  
Measurement by Jaradrawee Sriuksa  
Sound Level Meter 00472126

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:00 PM - 01:00 PM	44.1	67.8	40.1
01:00 PM - 02:00 PM	43.1	62.2	39.7
02:00 PM - 03:00 PM	49.1	79.0	39.5
03:00 PM - 04:00 PM	43.4	66.3	39.6
04:00 PM - 05:00 PM	45.1	69.7	40.2
05:00 PM - 06:00 PM	52.5	76.7	43.4
06:00 PM - 07:00 PM	50.2	69.0	48.4
07:00 PM - 08:00 PM	49.0	69.9	46.7
08:00 PM - 09:00 PM	50.4	70.6	45.8
09:00 PM - 10:00 PM	46.5	68.6	44.9
10:00 PM - 10:05 PM	46.2	51.3	44.8
10:05 PM - 10:10 PM	45.5	51.4	44.4
10:10 PM - 10:15 PM	45.5	49.0	44.4
10:15 PM - 10:20 PM	45.4	49.7	44.1
10:20 PM - 10:25 PM	45.2	50.3	44.1
10:25 PM - 10:30 PM	46.8	62.1	44.3
10:30 PM - 10:35 PM	45.9	50.8	44.9
10:35 PM - 10:40 PM	45.8	50.6	44.9
10:40 PM - 10:45 PM	45.6	51.3	44.8
10:45 PM - 10:50 PM	45.7	49.5	44.8
10:50 PM - 10:55 PM	45.9	49.6	44.8
10:55 PM - 11:00 PM	45.7	50.9	44.5
11:00 PM - 11:05 PM	45.8	59.7	44.9
11:05 PM - 11:10 PM	45.3	48.0	44.6
11:10 PM - 11:15 PM	45.0	48.4	44.2
11:15 PM - 11:20 PM	44.7	46.7	44.0
11:20 PM - 11:25 PM	45.2	51.9	44.2
11:25 PM - 11:30 PM	45.2	50.5	44.2
11:30 PM - 11:35 PM	46.2	59.5	44.2
11:35 PM - 11:40 PM	45.3	49.4	44.3
11:40 PM - 11:45 PM	45.5	53.3	43.8
11:45 PM - 11:50 PM	44.4	47.9	43.5
11:50 PM - 11:55 PM	45.6	62.5	43.6
11:55 PM - 12:00 AM	46.1	61.7	44.2
12:00 AM - 12:05 AM	45.2	52.1	44.2
12:05 AM - 12:10 AM	44.8	54.8	43.7
12:10 AM - 12:15 AM	44.7	49.7	44.0
12:15 AM - 12:20 AM	44.4	47.6	43.5
12:20 AM - 12:25 AM	45.0	59.0	42.2
12:25 AM - 12:30 AM	44.0	53.8	42.9

The above results are valid only for the analyzed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory, ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

Approved by

Wilawan Borirak  
Assistant Manager



## Analysis / Test Report

TESTING  
No.0042

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

Lot ID: 22144028  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report No. : 2535193-1

P/O : RJN-BW-012/65  
Project Name : Chonburi Bowin  
Project Location :  
Sample No. : 22144028-17  
Parameter : Noise  
Location : N3 : หอประชุม 5 (Shut down)  
Measurement Date : Dec 21 - 22, 2022  
Measurement by : Jaradrawee Sriuksa  
Sound Level Meter : 00472126

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:30 AM - 12:35 AM	44.1	50.8	43.4
12:35 AM - 12:40 AM	45.0	53.0	43.7
12:40 AM - 12:45 AM	44.2	54.0	43.3
12:45 AM - 12:50 AM	44.4	53.3	43.5
12:50 AM - 12:55 AM	44.7	49.6	43.4
12:55 AM - 01:00 AM	44.8	52.9	43.2
01:00 AM - 01:05 AM	44.3	52.0	42.7
01:05 AM - 01:10 AM	43.4	48.7	42.6
01:10 AM - 01:15 AM	44.1	49.7	42.6
01:15 AM - 01:20 AM	43.9	50.3	42.8
01:20 AM - 01:25 AM	43.1	46.1	42.3
01:25 AM - 01:30 AM	44.1	48.6	42.7
01:30 AM - 01:35 AM	44.2	49.8	42.9
01:35 AM - 01:40 AM	44.0	47.9	42.9
01:40 AM - 01:45 AM	44.3	53.5	42.8
01:45 AM - 01:50 AM	55.3	77.2	44.2
01:50 AM - 01:55 AM	56.9	78.3	47.0
01:55 AM - 02:00 AM	43.4	57.9	42.2
02:00 AM - 02:05 AM	42.7	45.3	42.2
02:05 AM - 02:10 AM	43.0	47.0	42.1
02:10 AM - 02:15 AM	43.3	48.9	42.5
02:15 AM - 02:20 AM	43.3	47.4	42.5
02:20 AM - 02:25 AM	43.4	52.4	42.3
02:25 AM - 02:30 AM	43.8	49.8	42.7
02:30 AM - 02:35 AM	43.6	49.9	42.6
02:35 AM - 02:40 AM	43.7	47.3	43.1
02:40 AM - 02:45 AM	44.2	52.7	42.7
02:45 AM - 02:50 AM	44.4	51.7	43.2
02:50 AM - 02:55 AM	44.7	49.0	44.0
02:55 AM - 03:00 AM	45.2	50.0	44.5
03:00 AM - 03:05 AM	45.8	51.6	44.7
03:05 AM - 03:10 AM	45.4	51.7	44.6
03:10 AM - 03:15 AM	45.5	49.7	44.6
03:15 AM - 03:20 AM	45.1	49.9	44.6
03:20 AM - 03:25 AM	45.3	49.8	44.6
03:25 AM - 03:30 AM	45.8	50.2	45.1
03:30 AM - 03:35 AM	46.0	52.3	45.3
03:35 AM - 03:40 AM	45.3	48.7	44.8
03:40 AM - 03:45 AM	45.3	47.7	44.7
03:45 AM - 03:50 AM	45.8	49.6	45.1

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Approved by

Wilawan Borirak  
Assistant Manager



## Analysis / Test Report

TESTING  
No.0042

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

Lot ID: 22144028  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report No. : 2535193-1

P/O : RJN-BW-012/65  
Project Name : Chonburi Bowin  
Project Location :  
Parameter : Noise  
Location : N3 : หอประชุมโรงเรียน 5 (Shut down)  
Measurement Date : Dec 21 - 22, 2022  
Measurement by : Jaradrawee Sriuksa  
Sound Level Meter : 00472126

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:50 AM - 03:55 AM	45.8	49.1	45.2
03:55 AM - 04:00 AM	45.7	52.5	45.1
04:00 AM - 04:05 AM	45.7	48.6	45.1
04:05 AM - 04:10 AM	45.7	48.1	44.7
04:10 AM - 04:15 AM	52.3	65.2	45.2
04:15 AM - 04:20 AM	47.4	63.7	44.8
04:20 AM - 04:25 AM	45.9	47.7	44.9
04:25 AM - 04:30 AM	45.5	48.0	44.7
04:30 AM - 04:35 AM	45.3	54.9	44.5
04:35 AM - 04:40 AM	45.5	54.3	44.6
04:40 AM - 04:45 AM	45.1	49.3	44.5
04:45 AM - 04:50 AM	45.4	48.7	44.8
04:50 AM - 04:55 AM	45.5	48.8	44.7
04:55 AM - 05:00 AM	45.4	47.8	44.8
05:00 AM - 05:05 AM	45.7	48.1	45.1
05:05 AM - 05:10 AM	45.6	52.9	44.8
05:10 AM - 05:15 AM	45.5	53.9	44.7
05:15 AM - 05:20 AM	45.6	50.6	44.8
05:20 AM - 05:25 AM	45.9	53.1	44.7
05:25 AM - 05:30 AM	46.3	58.2	44.5
05:30 AM - 05:35 AM	52.3	66.8	44.5
05:35 AM - 05:40 AM	52.8	67.5	44.6
05:40 AM - 05:45 AM	49.5	67.3	44.5
05:45 AM - 05:50 AM	48.4	66.9	44.6
05:50 AM - 05:55 AM	46.4	60.8	44.3
05:55 AM - 06:00 AM	48.3	64.2	44.3
06:00 AM - 07:00 AM	47.7	68.1	44.6
07:00 AM - 08:00 AM	47.3	68.6	44.3
08:00 AM - 09:00 AM	46.6	67.3	43.1
09:00 AM - 10:00 AM	47.1	66.8	43.1
10:00 AM - 11:00 AM	44.8	65.1	41.5
11:00 AM - 12:00 PM	44.5	69.1	39.7

Reference Method : ISO 1996-1

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Approved by

Wilawan Borirak  
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## Analysis / Test Report

TESTING  
No.0042

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

Lot ID: 22144028  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report No. : 2535194-1

P/O : RJN-BW-012/65  
Project Name : Chonburi Bowin  
Project Location :

Page 1 of 3

Sample No. 22144028-18  
Parameter Noise  
Location N3 : หมู่บ้านไข่มุก 5 (Shut down)  
Measurement Date Dec 22 - 23, 2022  
Measurement by Jaradrawee Sriuksa  
Sound Level Meter 00472126

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:00 PM - 01:00 PM	46.9	73.0	38.5
01:00 PM - 02:00 PM	48.9	79.1	38.0
02:00 PM - 03:00 PM	42.9	72.2	36.2
03:00 PM - 04:00 PM	41.5	74.1	37.2
04:00 PM - 05:00 PM	46.0	65.1	39.1
05:00 PM - 06:00 PM	50.0	76.0	43.7
06:00 PM - 07:00 PM	49.5	71.4	48.5
07:00 PM - 08:00 PM	48.3	67.4	46.8
08:00 PM - 09:00 PM	51.3	75.7	45.5
09:00 PM - 10:00 PM	46.5	60.8	45.2
10:00 PM - 10:05 PM	45.2	47.6	44.4
10:05 PM - 10:10 PM	46.1	56.8	44.7
10:10 PM - 10:15 PM	45.3	50.4	44.0
10:15 PM - 10:20 PM	45.2	55.1	43.9
10:20 PM - 10:25 PM	45.1	48.4	44.4
10:25 PM - 10:30 PM	45.4	53.5	44.2
10:30 PM - 10:35 PM	45.0	53.8	44.3
10:35 PM - 10:40 PM	45.0	48.8	44.3
10:40 PM - 10:45 PM	44.7	48.6	43.8
10:45 PM - 10:50 PM	44.4	49.9	43.7
10:50 PM - 10:55 PM	44.9	55.0	43.3
10:55 PM - 11:00 PM	44.1	46.5	43.4
11:00 PM - 11:05 PM	44.6	49.8	43.8
11:05 PM - 11:10 PM	44.4	48.3	43.7
11:10 PM - 11:15 PM	45.4	55.9	43.8
11:15 PM - 11:20 PM	44.5	49.3	43.5
11:20 PM - 11:25 PM	45.8	61.5	43.5
11:25 PM - 11:30 PM	47.3	61.7	43.6
11:30 PM - 11:35 PM	44.6	47.8	43.9
11:35 PM - 11:40 PM	44.6	48.1	43.8
11:40 PM - 11:45 PM	44.3	47.0	43.6
11:45 PM - 11:50 PM	44.5	47.8	43.7
11:50 PM - 11:55 PM	44.1	47.7	43.3
11:55 PM - 12:00 AM	44.1	50.0	43.2
12:00 AM - 12:05 AM	44.3	51.1	43.4
12:05 AM - 12:10 AM	43.6	48.2	42.8
12:10 AM - 12:15 AM	43.6	49.6	42.4
12:15 AM - 12:20 AM	44.4	50.0	42.9
12:20 AM - 12:25 AM	44.8	49.5	42.9
12:25 AM - 12:30 AM	45.4	54.4	42.9

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Approved by

Wilawan Borirak  
Assistant Manager



# Analysis / Test Report

**TESTING**  
**No.0042**

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

Lot ID: 22144028  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report No. : 2535194-1

P/O : RJN-BW-012/65  
Project Name : Chonburi Bowin  
Project Location :

Page 2 of 3

Sample No. 22144028-18  
Parameter Noise  
Location N3 : หอประชุมโรงเรียน 5 (Shut down)  
Measurement Date Dec 22 - 23, 2022  
Measurement by Jaradrawee Sriruksa  
Sound Level Meter 00472126

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:30 AM - 12:35 AM	44.4	49.3	42.6
12:35 AM - 12:40 AM	44.1	48.2	43.2
12:40 AM - 12:45 AM	44.6	50.9	43.4
12:45 AM - 12:50 AM	43.9	49.3	42.8
12:50 AM - 12:55 AM	43.4	47.7	42.6
12:55 AM - 01:00 AM	43.3	49.2	42.3
01:00 AM - 01:05 AM	43.6	51.6	42.5
01:05 AM - 01:10 AM	44.5	58.7	42.7
01:10 AM - 01:15 AM	44.7	50.8	43.3
01:15 AM - 01:20 AM	46.8	60.7	43.1
01:20 AM - 01:25 AM	43.9	51.9	42.8
01:25 AM - 01:30 AM	43.7	49.3	42.9
01:30 AM - 01:35 AM	44.2	52.8	43.1
01:35 AM - 01:40 AM	44.3	49.8	43.0
01:40 AM - 01:45 AM	44.5	56.9	42.8
01:45 AM - 01:50 AM	44.2	50.4	42.8
01:50 AM - 01:55 AM	44.5	53.4	42.6
01:55 AM - 02:00 AM	56.7	75.6	44.1
02:00 AM - 02:05 AM	56.8	76.0	46.6
02:05 AM - 02:10 AM	43.2	53.3	42.0
02:10 AM - 02:15 AM	43.1	49.8	42.1
02:15 AM - 02:20 AM	44.7	58.7	42.5
02:20 AM - 02:25 AM	45.1	51.2	42.8
02:25 AM - 02:30 AM	43.3	50.6	42.4
02:30 AM - 02:35 AM	43.7	48.6	42.9
02:35 AM - 02:40 AM	52.2	65.6	42.5
02:40 AM - 02:45 AM	46.2	64.3	42.4
02:45 AM - 02:50 AM	44.0	48.6	43.4
02:50 AM - 02:55 AM	44.6	52.1	43.6
02:55 AM - 03:00 AM	44.2	51.9	43.3
03:00 AM - 03:05 AM	43.9	46.3	43.2
03:05 AM - 03:10 AM	45.7	60.5	43.5
03:10 AM - 03:15 AM	45.3	51.3	43.8
03:15 AM - 03:20 AM	46.1	61.3	44.7
03:20 AM - 03:25 AM	46.6	58.7	44.5
03:25 AM - 03:30 AM	45.1	51.1	44.0
03:30 AM - 03:35 AM	44.4	48.3	43.7
03:35 AM - 03:40 AM	44.7	50.4	43.8
03:40 AM - 03:45 AM	44.5	49.6	43.6
03:45 AM - 03:50 AM	44.3	50.0	43.3

The above results are valid only for the analyzed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

Approved by

*Wilawan Borirak*

Wilawan Borirak  
Assistant Manager



# Analysis / Test Report

**TESTING**  
**No.0042**

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

Lot ID: 22144028  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report No. : 2535194-1

P/O : RJN-BW-012/65  
Project Name : Chonburi Bowin  
Project Location :  
Sample No. : 22144028-18  
Parameter : Noise  
Location : N3 : หอประชุม 5 (Shut down)  
Measurement Date : Dec 22 - 23, 2022  
Measurement by : Jaradrawee Sriuksa  
Sound Level Meter : 00472126

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:50 AM - 03:55 AM	44.3	47.8	43.4
03:55 AM - 04:00 AM	46.1	55.6	43.8
04:00 AM - 04:05 AM	45.8	56.5	44.1
04:05 AM - 04:10 AM	44.1	48.3	43.0
04:10 AM - 04:15 AM	44.0	49.7	43.3
04:15 AM - 04:20 AM	46.8	61.6	43.7
04:20 AM - 04:25 AM	45.7	57.2	43.5
04:25 AM - 04:30 AM	45.8	54.4	43.9
04:30 AM - 04:35 AM	49.8	64.1	43.8
04:35 AM - 04:40 AM	52.1	65.5	43.8
04:40 AM - 04:45 AM	49.3	65.6	44.3
04:45 AM - 04:50 AM	45.5	51.2	44.0
04:50 AM - 04:55 AM	45.5	53.2	44.2
04:55 AM - 05:00 AM	45.2	49.2	44.0
05:00 AM - 05:05 AM	47.0	60.8	44.0
05:05 AM - 05:10 AM	50.0	64.8	44.1
05:10 AM - 05:15 AM	48.1	65.2	43.1
05:15 AM - 05:20 AM	52.4	66.8	43.3
05:20 AM - 05:25 AM	47.9	65.4	43.9
05:25 AM - 05:30 AM	44.4	51.5	43.0
05:30 AM - 05:35 AM	44.7	53.8	43.2
05:35 AM - 05:40 AM	44.4	51.6	43.1
05:40 AM - 05:45 AM	48.8	68.3	43.6
05:45 AM - 05:50 AM	51.2	68.9	43.5
05:50 AM - 05:55 AM	48.9	61.9	43.7
05:55 AM - 06:00 AM	47.7	62.7	43.9
06:00 AM - 07:00 AM	50.1	74.2	44.2
07:00 AM - 08:00 AM	48.2	77.8	42.5
08:00 AM - 09:00 AM	42.4	61.0	39.3
09:00 AM - 10:00 AM	45.4	69.5	38.6
10:00 AM - 11:00 AM	42.0	59.3	37.9
11:00 AM - 12:00 PM	41.8	69.0	36.3

Reference Method : ISO 1996-1

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Approved by

Wilawan Borirak  
Assistant Manager





## Analysis / Test Report

TESTING  
No.0042

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

Lot ID: 22144028  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report No. : 2535195-1

P/O : RJN-BW-012/65  
Project Name : Chonburi Bowin  
Project Location :

Page 1 of 3

Sample No. 22144028-19  
Parameter Noise  
Location N3 : หมู่บ้านไข่มุก 5 (Shut down)  
Measurement Date Dec 23 - 24, 2022  
Measurement by Jaradrawee Sriuksa  
Sound Level Meter 00472126

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:00 PM - 01:00 PM	52.3	79.6	36.2
01:00 PM - 02:00 PM	56.1	84.3	36.9
02:00 PM - 03:00 PM	43.2	71.4	37.6
03:00 PM - 04:00 PM	44.5	73.1	37.1
04:00 PM - 05:00 PM	45.0	67.4	39.7
05:00 PM - 06:00 PM	46.2	68.5	42.7
06:00 PM - 07:00 PM	51.1	75.3	49.1
07:00 PM - 08:00 PM	48.3	68.6	45.4
08:00 PM - 09:00 PM	46.5	63.1	44.2
09:00 PM - 10:00 PM	54.5	78.0	44.5
10:00 PM - 10:05 PM	45.4	53.2	44.0
10:05 PM - 10:10 PM	45.4	51.5	44.3
10:10 PM - 10:15 PM	45.5	50.8	44.3
10:15 PM - 10:20 PM	48.7	68.4	44.0
10:20 PM - 10:25 PM	58.2	74.7	44.0
10:25 PM - 10:30 PM	45.3	55.6	43.6
10:30 PM - 10:35 PM	45.4	58.8	43.5
10:35 PM - 10:40 PM	45.1	53.9	43.1
10:40 PM - 10:45 PM	45.0	51.5	43.7
10:45 PM - 10:50 PM	44.7	49.7	43.7
10:50 PM - 10:55 PM	45.2	56.8	43.3
10:55 PM - 11:00 PM	44.9	51.8	44.0
11:00 PM - 11:05 PM	45.3	52.0	44.3
11:05 PM - 11:10 PM	44.3	51.3	43.1
11:10 PM - 11:15 PM	45.4	55.2	43.5
11:15 PM - 11:20 PM	45.0	56.4	43.6
11:20 PM - 11:25 PM	44.4	54.5	43.0
11:25 PM - 11:30 PM	44.6	51.6	43.3
11:30 PM - 11:35 PM	44.2	51.3	43.4
11:35 PM - 11:40 PM	43.9	51.5	42.9
11:40 PM - 11:45 PM	44.9	56.3	43.4
11:45 PM - 11:50 PM	44.1	49.5	43.3
11:50 PM - 11:55 PM	43.6	48.3	42.7
11:55 PM - 12:00 AM	42.7	50.8	42.1
12:00 AM - 12:05 AM	43.2	47.9	42.3
12:05 AM - 12:10 AM	43.5	48.0	42.6
12:10 AM - 12:15 AM	43.1	49.7	42.4
12:15 AM - 12:20 AM	48.6	63.8	42.8
12:20 AM - 12:25 AM	45.0	60.4	43.0
12:25 AM - 12:30 AM	43.5	49.8	42.7

The above results are valid only for the analyzed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory, ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

Approved by

Wilawan Borirak  
Assistant Manager



# Analysis / Test Report

**TESTING**  
**No.0042**

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

Lot ID: 22144028  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report No. : 2535195-1

P/O : RJN-BW-012/65  
Project Name : Chonburi Bowin  
Project Location :

Page 2 of 3

Sample No. 22144028-19  
Parameter Noise  
Location N3 : หอประชุมโรงเรียน 5 (Shut down)  
Measurement Date Dec 23 - 24, 2022  
Measurement by Jaradrawee Sriuksa  
Sound Level Meter 00472126

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:30 AM - 12:35 AM	43.6	48.8	42.9
12:35 AM - 12:40 AM	43.4	48.2	42.4
12:40 AM - 12:45 AM	43.2	47.8	42.5
12:45 AM - 12:50 AM	43.2	50.2	42.3
12:50 AM - 12:55 AM	43.3	51.8	42.0
12:55 AM - 01:00 AM	43.1	48.3	42.0
01:00 AM - 01:05 AM	43.3	56.7	41.9
01:05 AM - 01:10 AM	45.5	62.4	42.1
01:10 AM - 01:15 AM	43.7	52.2	42.1
01:15 AM - 01:20 AM	43.5	53.0	41.9
01:20 AM - 01:25 AM	48.0	70.7	41.7
01:25 AM - 01:30 AM	57.8	80.4	46.5
01:30 AM - 01:35 AM	47.0	71.7	41.3
01:35 AM - 01:40 AM	42.5	56.2	41.4
01:40 AM - 01:45 AM	42.5	46.0	41.4
01:45 AM - 01:50 AM	43.1	47.7	42.0
01:50 AM - 01:55 AM	42.9	52.4	41.7
01:55 AM - 02:00 AM	43.8	50.9	42.2
02:00 AM - 02:05 AM	42.6	47.6	41.7
02:05 AM - 02:10 AM	42.6	50.1	41.9
02:10 AM - 02:15 AM	43.0	47.8	42.0
02:15 AM - 02:20 AM	43.1	47.9	42.2
02:20 AM - 02:25 AM	43.2	48.2	42.3
02:25 AM - 02:30 AM	43.3	48.0	42.4
02:30 AM - 02:35 AM	44.6	53.3	42.6
02:35 AM - 02:40 AM	42.8	47.9	41.6
02:40 AM - 02:45 AM	43.7	50.4	42.3
02:45 AM - 02:50 AM	43.7	50.5	42.5
02:50 AM - 02:55 AM	43.5	47.4	42.3
02:55 AM - 03:00 AM	43.5	48.3	42.6
03:00 AM - 03:05 AM	44.2	50.7	42.8
03:05 AM - 03:10 AM	44.1	47.6	43.3
03:10 AM - 03:15 AM	44.2	47.9	43.3
03:15 AM - 03:20 AM	43.9	47.9	43.1
03:20 AM - 03:25 AM	44.1	48.9	43.2
03:25 AM - 03:30 AM	44.3	49.4	43.3
03:30 AM - 03:35 AM	44.2	49.8	43.1
03:35 AM - 03:40 AM	44.1	49.4	43.2
03:40 AM - 03:45 AM	44.4	49.8	43.3
03:45 AM - 03:50 AM	44.2	47.7	43.2

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Approved by

*Wilawan Borirak*

Wilawan Borirak  
Assistant Manager



## Analysis / Test Report

**TESTING**  
**No.0042**

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

Lot ID: 22144028  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report No. : 2535195-1

P/O : RJN-BW-012/65  
Project Name : Chonburi Bowin  
Project Location :  
Sample No. : 22144028-19  
Parameter : Noise  
Location : N3 : หอประชุม 5 (Shut down)  
Measurement Date : Dec 23 - 24, 2022  
Measurement by : Jaradrawee Sriuksa  
Sound Level Meter : 00472126

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:50 AM - 03:55 AM	44.5	50.4	43.4
03:55 AM - 04:00 AM	44.6	50.4	43.2
04:00 AM - 04:05 AM	45.0	57.4	43.1
04:05 AM - 04:10 AM	49.7	62.4	43.3
04:10 AM - 04:15 AM	44.9	48.9	43.6
04:15 AM - 04:20 AM	44.6	50.5	43.4
04:20 AM - 04:25 AM	44.4	48.2	43.3
04:25 AM - 04:30 AM	44.2	49.2	43.1
04:30 AM - 04:35 AM	45.3	56.3	43.3
04:35 AM - 04:40 AM	43.8	48.2	42.5
04:40 AM - 04:45 AM	44.2	51.7	42.7
04:45 AM - 04:50 AM	44.3	50.3	43.1
04:50 AM - 04:55 AM	45.8	60.6	44.0
04:55 AM - 05:00 AM	44.9	50.9	43.9
05:00 AM - 05:05 AM	45.2	50.6	43.9
05:05 AM - 05:10 AM	45.4	51.3	43.4
05:10 AM - 05:15 AM	45.0	58.1	43.4
05:15 AM - 05:20 AM	44.7	50.3	43.2
05:20 AM - 05:25 AM	44.6	50.4	43.1
05:25 AM - 05:30 AM	44.7	51.6	43.0
05:30 AM - 05:35 AM	46.8	65.8	42.9
05:35 AM - 05:40 AM	51.4	68.7	42.9
05:40 AM - 05:45 AM	56.4	70.4	43.5
05:45 AM - 05:50 AM	51.5	69.3	43.2
05:50 AM - 05:55 AM	48.7	66.4	42.9
05:55 AM - 06:00 AM	48.3	65.9	43.1
06:00 AM - 07:00 AM	50.4	78.4	43.6
07:00 AM - 08:00 AM	46.8	65.3	43.0
08:00 AM - 09:00 AM	44.7	59.5	41.4
09:00 AM - 10:00 AM	45.9	73.5	41.2
10:00 AM - 11:00 AM	45.5	62.8	40.7
11:00 AM - 12:00 PM	45.2	60.8	40.1

Reference Method : ISO 1996-1

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Approved by

Wilawan Borirak  
Assistant Manager



## Analysis / Test Report

TESTING  
No.0042

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

Lot ID: 22144028  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report No. : 2535196-1

P/O : RJN-BW-012/65  
Project Name : Chonburi Bowin  
Project Location :

Page 1 of 3

Sample No. 22144028-20  
Parameter Noise  
Location N3 : หมู่บ้านไข่มุก 5 (Shut down)  
Measurement Date Dec 24 - 25, 2022  
Measurement by Jaradrawee Sriuksa  
Sound Level Meter 00472126

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:00 PM - 01:00 PM	43.3	72.1	39.0
01:00 PM - 02:00 PM	43.6	63.5	38.4
02:00 PM - 03:00 PM	43.5	63.0	39.1
03:00 PM - 04:00 PM	44.5	78.9	39.1
04:00 PM - 05:00 PM	44.1	68.2	39.9
05:00 PM - 06:00 PM	49.1	73.1	41.4
06:00 PM - 07:00 PM	48.1	71.4	45.9
07:00 PM - 08:00 PM	46.9	69.7	44.1
08:00 PM - 09:00 PM	55.6	76.2	43.9
09:00 PM - 10:00 PM	46.4	69.3	42.7
10:00 PM - 10:05 PM	46.3	64.7	43.2
10:05 PM - 10:10 PM	44.7	50.8	42.7
10:10 PM - 10:15 PM	44.3	52.8	42.5
10:15 PM - 10:20 PM	48.1	64.5	42.1
10:20 PM - 10:25 PM	43.7	55.5	41.9
10:25 PM - 10:30 PM	43.9	51.1	42.3
10:30 PM - 10:35 PM	43.9	52.4	42.4
10:35 PM - 10:40 PM	44.2	51.5	42.3
10:40 PM - 10:45 PM	45.4	54.6	43.2
10:45 PM - 10:50 PM	45.1	57.1	43.0
10:50 PM - 10:55 PM	45.0	53.4	43.2
10:55 PM - 11:00 PM	45.6	54.5	43.0
11:00 PM - 11:05 PM	45.2	55.3	42.3
11:05 PM - 11:10 PM	46.4	53.3	42.2
11:10 PM - 11:15 PM	45.2	53.8	42.4
11:15 PM - 11:20 PM	44.1	53.5	42.0
11:20 PM - 11:25 PM	43.3	48.1	42.2
11:25 PM - 11:30 PM	43.5	49.8	42.3
11:30 PM - 11:35 PM	44.0	52.4	42.3
11:35 PM - 11:40 PM	44.2	49.8	42.5
11:40 PM - 11:45 PM	46.4	63.0	42.2
11:45 PM - 11:50 PM	44.1	52.0	42.2
11:50 PM - 11:55 PM	44.3	51.1	42.2
11:55 PM - 12:00 AM	48.0	65.3	42.7
12:00 AM - 12:05 AM	44.5	52.0	42.2
12:05 AM - 12:10 AM	46.3	56.2	43.0
12:10 AM - 12:15 AM	51.7	69.8	43.0
12:15 AM - 12:20 AM	50.4	67.0	43.2
12:20 AM - 12:25 AM	47.8	59.5	42.5
12:25 AM - 12:30 AM	43.8	50.0	42.3

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Approved by

Wilawan Borirak  
Assistant Manager



## Analysis / Test Report

**TESTING**  
**No.0042**

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

Lot ID: 22144028  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report No. : 2535196-1

P/O : RJN-BW-012/65  
Project Name : Chonburi Bowin  
Project Location :  
Sample No. : 22144028-20  
Parameter : Noise  
Location : N3 : หอประชุม 5 (Shut down)  
Measurement Date : Dec 24 - 25, 2022  
Measurement by : Jaradrawee Sriuksa  
Sound Level Meter : 00472126

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:30 AM - 12:35 AM	44.6	58.9	41.8
12:35 AM - 12:40 AM	44.1	55.4	41.5
12:40 AM - 12:45 AM	43.7	53.1	41.6
12:45 AM - 12:50 AM	51.2	65.3	41.6
12:50 AM - 12:55 AM	44.9	61.8	41.9
12:55 AM - 01:00 AM	43.3	51.3	41.5
01:00 AM - 01:05 AM	43.3	51.3	41.2
01:05 AM - 01:10 AM	43.7	55.0	41.4
01:10 AM - 01:15 AM	44.0	58.1	41.2
01:15 AM - 01:20 AM	43.8	51.8	40.7
01:20 AM - 01:25 AM	42.9	52.1	40.8
01:25 AM - 01:30 AM	42.5	48.1	41.1
01:30 AM - 01:35 AM	53.4	69.1	41.1
01:35 AM - 01:40 AM	43.1	57.3	41.2
01:40 AM - 01:45 AM	43.2	58.8	40.9
01:45 AM - 01:50 AM	43.5	51.2	41.2
01:50 AM - 01:55 AM	43.4	52.1	40.8
01:55 AM - 02:00 AM	57.3	78.3	43.6
02:00 AM - 02:05 AM	56.8	78.7	45.8
02:05 AM - 02:10 AM	47.5	72.6	41.0
02:10 AM - 02:15 AM	42.2	46.1	41.3
02:15 AM - 02:20 AM	42.7	48.8	41.6
02:20 AM - 02:25 AM	42.9	47.5	41.8
02:25 AM - 02:30 AM	42.7	46.7	41.7
02:30 AM - 02:35 AM	42.9	46.5	42.1
02:35 AM - 02:40 AM	44.3	51.6	42.3
02:40 AM - 02:45 AM	43.6	51.3	42.3
02:45 AM - 02:50 AM	45.8	54.7	42.7
02:50 AM - 02:55 AM	45.5	61.2	42.5
02:55 AM - 03:00 AM	50.0	64.5	42.4
03:00 AM - 03:05 AM	44.1	55.1	42.5
03:05 AM - 03:10 AM	43.1	46.5	42.2
03:10 AM - 03:15 AM	43.7	53.4	42.2
03:15 AM - 03:20 AM	44.1	53.1	42.3
03:20 AM - 03:25 AM	43.9	53.7	42.3
03:25 AM - 03:30 AM	43.0	47.0	41.9
03:30 AM - 03:35 AM	43.7	53.6	42.0
03:35 AM - 03:40 AM	42.8	51.3	41.8
03:40 AM - 03:45 AM	43.5	61.1	42.1
03:45 AM - 03:50 AM	44.1	53.9	42.2

The above results are valid only for the analyzed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

Approved by

*Wilawan Borirak*

Wilawan Borirak  
Assistant Manager



## Analysis / Test Report

TESTING  
No.0042

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

Lot ID: 22144028  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report No. : 2535196-1

P/O : RJN-BW-012/65  
Project Name : Chonburi Bowin  
Project Location :

Page 3 of 3

Sample No. 22144028-20  
Parameter Noise  
Location N3 : หอประชุมโรงเรียน 5 (Shut down)  
Measurement Date Dec 24 - 25, 2022  
Measurement by Jaradrawee Sriruksa  
Sound Level Meter 00472126

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:50 AM - 03:55 AM	43.3	50.4	42.0
03:55 AM - 04:00 AM	43.4	49.6	42.1
04:00 AM - 04:05 AM	43.2	49.3	42.0
04:05 AM - 04:10 AM	43.6	53.0	42.1
04:10 AM - 04:15 AM	43.3	51.1	42.2
04:15 AM - 04:20 AM	45.6	60.2	42.3
04:20 AM - 04:25 AM	45.5	61.5	42.2
04:25 AM - 04:30 AM	43.0	46.5	41.8
04:30 AM - 04:35 AM	43.0	51.3	41.6
04:35 AM - 04:40 AM	48.0	66.1	41.6
04:40 AM - 04:45 AM	51.6	66.5	41.7
04:45 AM - 04:50 AM	43.5	49.0	41.4
04:50 AM - 04:55 AM	43.6	49.5	41.8
04:55 AM - 05:00 AM	44.4	51.1	42.2
05:00 AM - 05:05 AM	44.5	52.6	42.0
05:05 AM - 05:10 AM	44.5	50.5	41.9
05:10 AM - 05:15 AM	49.1	65.3	42.0
05:15 AM - 05:20 AM	49.9	65.4	42.0
05:20 AM - 05:25 AM	44.8	51.8	42.2
05:25 AM - 05:30 AM	43.9	49.0	41.7
05:30 AM - 05:35 AM	46.3	55.7	41.9
05:35 AM - 05:40 AM	45.3	61.7	41.9
05:40 AM - 05:45 AM	52.0	66.6	41.6
05:45 AM - 05:50 AM	50.3	65.3	42.0
05:50 AM - 05:55 AM	52.3	65.9	41.8
05:55 AM - 06:00 AM	51.0	66.6	42.5
06:00 AM - 07:00 AM	49.8	78.8	42.6
07:00 AM - 08:00 AM	47.7	74.9	42.3
08:00 AM - 09:00 AM	50.1	77.7	42.0
09:00 AM - 10:00 AM	46.0	78.4	41.4
10:00 AM - 11:00 AM	44.4	69.0	40.1
11:00 AM - 12:00 PM	44.1	64.9	39.0

Reference Method : ISO 1996-1

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Approved by

Wilawan Borirak  
Assistant Manager



## Analysis / Test Report

TESTING  
No.0042

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

Lot ID: 22144028  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report No. : 2535197-1

P/O : RJN-BW-012/65  
Project Name : Chonburi Bowin  
Project Location :

Page 1 of 3

Sample No. 22144028-21  
Parameter Noise  
Location N3 : หมู่บ้านไข่มุก 5 (Shut down)  
Measurement Date Dec 25 - 26, 2022  
Measurement by Jaradrawee Sriuksa  
Sound Level Meter 00472126

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:00 PM - 01:00 PM	42.0	69.1	37.7
01:00 PM - 02:00 PM	44.7	72.9	36.6
02:00 PM - 03:00 PM	44.6	72.3	37.5
03:00 PM - 04:00 PM	47.4	71.7	38.7
04:00 PM - 05:00 PM	49.3	76.1	40.0
05:00 PM - 06:00 PM	47.8	69.0	42.7
06:00 PM - 07:00 PM	52.1	72.1	48.6
07:00 PM - 08:00 PM	48.1	65.9	44.8
08:00 PM - 09:00 PM	48.5	70.4	44.1
09:00 PM - 10:00 PM	45.8	58.9	43.3
10:00 PM - 10:05 PM	47.0	63.2	42.8
10:05 PM - 10:10 PM	43.5	53.1	42.4
10:10 PM - 10:15 PM	43.1	48.3	42.2
10:15 PM - 10:20 PM	44.4	60.7	42.0
10:20 PM - 10:25 PM	45.1	56.2	42.3
10:25 PM - 10:30 PM	43.9	53.8	42.4
10:30 PM - 10:35 PM	44.0	48.9	42.9
10:35 PM - 10:40 PM	44.2	48.1	43.4
10:40 PM - 10:45 PM	44.4	53.4	42.9
10:45 PM - 10:50 PM	44.3	58.3	42.6
10:50 PM - 10:55 PM	44.9	54.6	42.7
10:55 PM - 11:00 PM	44.1	54.0	42.2
11:00 PM - 11:05 PM	43.8	52.5	42.0
11:05 PM - 11:10 PM	46.3	53.0	42.0
11:10 PM - 11:15 PM	46.1	52.4	42.7
11:15 PM - 11:20 PM	46.3	55.0	42.3
11:20 PM - 11:25 PM	44.5	54.2	41.3
11:25 PM - 11:30 PM	44.0	55.2	41.1
11:30 PM - 11:35 PM	42.6	47.0	41.1
11:35 PM - 11:40 PM	42.7	51.2	41.2
11:40 PM - 11:45 PM	44.0	52.8	41.7
11:45 PM - 11:50 PM	42.6	62.8	41.0
11:50 PM - 11:55 PM	42.8	49.1	41.5
11:55 PM - 12:00 AM	42.1	50.8	41.3
12:00 AM - 12:05 AM	44.7	56.3	41.1
12:05 AM - 12:10 AM	42.8	52.5	41.1
12:10 AM - 12:15 AM	48.7	63.7	41.5
12:15 AM - 12:20 AM	48.3	64.3	41.6
12:20 AM - 12:25 AM	47.1	62.6	42.1
12:25 AM - 12:30 AM	47.5	61.6	41.9

The above results are valid only for the analyzed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory, ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

Approved by

Wilawan Borirak  
Assistant Manager





# Analysis / Test Report

**TESTING**  
**No.0042**

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

Lot ID: 22144028  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report No. : 2535197-1

P/O : RJN-BW-012/65  
Project Name : Chonburi Bowin  
Project Location :

Page 2 of 3

Sample No. 22144028-21  
Parameter Noise  
Location N3 : โรงงานโซน 5 (Shut down)  
Measurement Date Dec 25 - 26, 2022  
Measurement by Jaradrawee Sriruksa  
Sound Level Meter 00472126

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:30 AM - 12:35 AM	42.6	52.3	41.4
12:35 AM - 12:40 AM	44.3	52.5	41.6
12:40 AM - 12:45 AM	44.7	55.0	41.4
12:45 AM - 12:50 AM	44.0	52.2	41.5
12:50 AM - 12:55 AM	43.7	52.7	41.9
12:55 AM - 01:00 AM	42.6	49.4	41.7
01:00 AM - 01:05 AM	42.1	49.0	41.4
01:05 AM - 01:10 AM	46.4	65.1	41.5
01:10 AM - 01:15 AM	42.9	53.6	41.5
01:15 AM - 01:20 AM	44.7	55.6	41.4
01:20 AM - 01:25 AM	45.1	54.9	41.5
01:25 AM - 01:30 AM	43.8	54.9	41.8
01:30 AM - 01:35 AM	42.4	53.9	41.2
01:35 AM - 01:40 AM	56.6	75.5	41.9
01:40 AM - 01:45 AM	58.7	82.1	46.8
01:45 AM - 01:50 AM	51.1	74.0	41.6
01:50 AM - 01:55 AM	42.3	49.9	41.3
01:55 AM - 02:00 AM	43.8	54.1	41.6
02:00 AM - 02:05 AM	46.7	55.3	43.2
02:05 AM - 02:10 AM	47.1	54.1	42.5
02:10 AM - 02:15 AM	46.3	55.0	42.6
02:15 AM - 02:20 AM	45.8	53.9	42.6
02:20 AM - 02:25 AM	45.7	52.4	42.5
02:25 AM - 02:30 AM	48.0	60.2	42.6
02:30 AM - 02:35 AM	45.0	54.8	42.4
02:35 AM - 02:40 AM	47.9	54.2	42.5
02:40 AM - 02:45 AM	48.0	55.9	42.9
02:45 AM - 02:50 AM	47.1	54.1	43.2
02:50 AM - 02:55 AM	46.4	54.6	43.4
02:55 AM - 03:00 AM	47.5	54.2	43.7
03:00 AM - 03:05 AM	46.8	54.2	43.5
03:05 AM - 03:10 AM	47.2	51.5	43.5
03:10 AM - 03:15 AM	47.0	51.3	43.5
03:15 AM - 03:20 AM	46.7	52.0	43.0
03:20 AM - 03:25 AM	46.4	52.3	43.1
03:25 AM - 03:30 AM	43.3	48.1	42.3
03:30 AM - 03:35 AM	42.9	49.5	42.2
03:35 AM - 03:40 AM	43.8	51.4	42.3
03:40 AM - 03:45 AM	42.8	48.3	41.9
03:45 AM - 03:50 AM	42.5	51.1	41.8

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Approved by

*Wilawan Borirak*

Wilawan Borirak  
Assistant Manager

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Page 3 of 3



## Analysis / Test Report

TESTING  
No.0042

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

Lot ID: 22144028  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report No. : 2535197-1

P/O : RJN-BW-012/65  
Project Name : Chonburi Bowin  
Project Location :  
Sample No. : 22144028-21  
Parameter : Noise  
Location : N3 : หอประชุม 5 (Shut down)  
Measurement Date : Dec 25 - 26, 2022  
Measurement by : Jaradrawee Sriruksa  
Sound Level Meter : 00472126

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:50 AM - 03:55 AM	43.0	56.0	42.1
03:55 AM - 04:00 AM	48.4	60.9	42.0
04:00 AM - 04:05 AM	42.8	46.8	42.0
04:05 AM - 04:10 AM	43.3	48.7	42.1
04:10 AM - 04:15 AM	43.5	50.4	42.0
04:15 AM - 04:20 AM	43.6	53.1	42.2
04:20 AM - 04:25 AM	42.8	45.7	42.2
04:25 AM - 04:30 AM	42.8	48.3	41.9
04:30 AM - 04:35 AM	44.9	61.0	41.9
04:35 AM - 04:40 AM	44.9	62.1	41.9
04:40 AM - 04:45 AM	49.3	65.2	41.5
04:45 AM - 04:50 AM	50.8	65.6	41.3
04:50 AM - 04:55 AM	47.6	63.9	41.2
04:55 AM - 05:00 AM	44.3	63.0	41.8
05:00 AM - 05:05 AM	43.2	50.2	41.9
05:05 AM - 05:10 AM	42.9	48.0	42.1
05:10 AM - 05:15 AM	43.2	51.2	42.3
05:15 AM - 05:20 AM	43.7	50.1	42.3
05:20 AM - 05:25 AM	45.0	63.5	42.3
05:25 AM - 05:30 AM	53.1	67.9	42.3
05:30 AM - 05:35 AM	44.2	63.9	42.2
05:35 AM - 05:40 AM	43.5	51.2	42.0
05:40 AM - 05:45 AM	48.0	66.9	42.5
05:45 AM - 05:50 AM	53.1	68.0	42.9
05:50 AM - 05:55 AM	52.8	68.3	42.6
05:55 AM - 06:00 AM	50.7	67.2	43.4
06:00 AM - 07:00 AM	50.2	73.8	43.7
07:00 AM - 08:00 AM	46.5	69.4	43.4
08:00 AM - 09:00 AM	47.2	69.0	42.9
09:00 AM - 10:00 AM	55.6	83.2	49.2
10:00 AM - 11:00 AM	59.2	91.6	50.8
11:00 AM - 12:00 PM	44.7	69.2	39.9

Reference Method : ISO 1996-1

The above results are valid only for the analyzed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

Approved by

Wilawan Borirak  
Assistant Manager



## Analysis / Test Report

TESTING  
No.0042

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

Lot ID: 22144028  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report No. : 2535198-1

P/O : RJN-BW-012/65  
Project Name : Chonburi Bowin  
Project Location :

Page 1 of 3

Sample No. 22144028-22  
Parameter Noise  
Location N4 : ที่พักอาศัยบริเวณหมู่ 5 บ้านสุรศักดิ์ (Shut down)  
Measurement Date Dec 19 - 20, 2022  
Measurement by Jaradrawee Sriruksa  
Sound Level Meter 00734218

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:00 PM - 01:00 PM	58.7	76.9	51.8
01:00 PM - 02:00 PM	59.4	80.0	52.2
02:00 PM - 03:00 PM	58.7	83.4	50.5
03:00 PM - 04:00 PM	57.9	84.7	50.8
04:00 PM - 05:00 PM	57.6	81.6	49.9
05:00 PM - 06:00 PM	63.8	92.8	49.2
06:00 PM - 07:00 PM	56.7	81.0	48.5
07:00 PM - 08:00 PM	55.4	81.3	47.0
08:00 PM - 09:00 PM	60.0	89.5	45.7
09:00 PM - 10:00 PM	54.1	76.5	47.0
10:00 PM - 10:05 PM	55.5	64.2	50.4
10:05 PM - 10:10 PM	52.9	66.8	47.4
10:10 PM - 10:15 PM	52.9	61.8	49.2
10:15 PM - 10:20 PM	51.3	65.5	47.6
10:20 PM - 10:25 PM	54.7	69.4	49.4
10:25 PM - 10:30 PM	56.7	69.3	49.8
10:30 PM - 10:35 PM	54.5	66.2	48.6
10:35 PM - 10:40 PM	55.0	66.7	49.9
10:40 PM - 10:45 PM	56.4	71.1	50.7
10:45 PM - 10:50 PM	54.8	68.6	49.6
10:50 PM - 10:55 PM	56.6	69.6	51.1
10:55 PM - 11:00 PM	56.0	70.0	49.6
11:00 PM - 11:05 PM	60.4	78.0	49.5
11:05 PM - 11:10 PM	50.8	63.6	46.2
11:10 PM - 11:15 PM	54.2	68.4	46.8
11:15 PM - 11:20 PM	50.7	65.5	44.5
11:20 PM - 11:25 PM	50.5	67.2	44.3
11:25 PM - 11:30 PM	57.0	76.3	44.4
11:30 PM - 11:35 PM	53.7	70.9	44.5
11:35 PM - 11:40 PM	54.1	75.9	44.6
11:40 PM - 11:45 PM	51.6	69.4	43.8
11:45 PM - 11:50 PM	49.9	61.0	43.9
11:50 PM - 11:55 PM	52.1	63.8	43.7
11:55 PM - 12:00 AM	50.4	62.3	43.1
12:00 AM - 12:05 AM	53.1	71.6	43.6
12:05 AM - 12:10 AM	53.5	73.0	44.8
12:10 AM - 12:15 AM	53.2	66.9	44.9
12:15 AM - 12:20 AM	51.3	66.3	45.0
12:20 AM - 12:25 AM	49.0	61.8	44.3
12:25 AM - 12:30 AM	49.9	63.9	44.5

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Approved by

Wilawan Borirak  
Assistant Manager



## Analysis / Test Report

**TESTING**  
**No.0042**

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

Lot ID: 22144028  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report No. : 2535198-1

P/O : RJN-BW-012/65  
Project Name : Chonburi Bowin  
Project Location :

Page 2 of 3

Sample No. 22144028-22  
Parameter Noise  
Location N4 : ที่พักอาศัยบริเวณหมู่ 5 บ้านสุรศักดิ์ (Shut down)  
Measurement Date Dec 19 - 20, 2022  
Measurement by Jaradrawee Sriuksa  
Sound Level Meter 00734218

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:30 AM - 12:35 AM	52.7	62.8	44.8
12:35 AM - 12:40 AM	51.3	63.3	47.1
12:40 AM - 12:45 AM	55.9	69.7	47.6
12:45 AM - 12:50 AM	54.8	72.8	46.2
12:50 AM - 12:55 AM	53.5	65.4	48.1
12:55 AM - 01:00 AM	54.9	65.7	49.1
01:00 AM - 01:05 AM	54.5	70.7	49.3
01:05 AM - 01:10 AM	53.9	61.4	49.4
01:10 AM - 01:15 AM	54.7	68.4	48.9
01:15 AM - 01:20 AM	53.0	65.6	47.9
01:20 AM - 01:25 AM	55.5	69.1	49.0
01:25 AM - 01:30 AM	54.9	72.5	49.0
01:30 AM - 01:35 AM	53.8	63.8	49.7
01:35 AM - 01:40 AM	52.8	65.7	49.2
01:40 AM - 01:45 AM	53.9	65.0	48.8
01:45 AM - 01:50 AM	54.0	72.1	48.0
01:50 AM - 01:55 AM	53.4	65.1	48.2
01:55 AM - 02:00 AM	53.1	66.9	47.5
02:00 AM - 02:05 AM	54.5	64.1	49.2
02:05 AM - 02:10 AM	53.5	63.4	47.7
02:10 AM - 02:15 AM	53.6	66.4	48.6
02:15 AM - 02:20 AM	52.6	67.7	48.6
02:20 AM - 02:25 AM	51.9	61.9	48.0
02:25 AM - 02:30 AM	54.1	65.0	48.5
02:30 AM - 02:35 AM	52.9	65.4	48.1
02:35 AM - 02:40 AM	51.4	60.9	48.2
02:40 AM - 02:45 AM	53.7	67.2	48.0
02:45 AM - 02:50 AM	51.6	61.5	48.6
02:50 AM - 02:55 AM	55.1	68.1	46.1
02:55 AM - 03:00 AM	54.6	66.1	46.5
03:00 AM - 03:05 AM	52.3	63.4	46.7
03:05 AM - 03:10 AM	53.8	67.6	47.2
03:10 AM - 03:15 AM	52.1	68.5	44.7
03:15 AM - 03:20 AM	53.2	64.5	45.7
03:20 AM - 03:25 AM	50.2	59.7	45.9
03:25 AM - 03:30 AM	51.5	63.2	45.4
03:30 AM - 03:35 AM	52.0	68.0	45.3
03:35 AM - 03:40 AM	54.1	65.3	45.0
03:40 AM - 03:45 AM	54.9	66.4	46.5
03:45 AM - 03:50 AM	56.7	72.9	45.6

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Approved by

*Wilawan Borirak*

Wilawan Borirak  
Assistant Manager



## Analysis / Test Report

TESTING  
No.0042

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

Lot ID: 22144028  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report No. : 2535198-1

P/O : RJN-BW-012/65  
Project Name : Chonburi Bowin  
Project Location :  
Sample No. 22144028-22  
Parameter Noise  
Location N4 : ที่พักอาศัยบริเวณหมู่ 5 บ้านสุรศักดิ์ (Shut down)  
Measurement Date Dec 19 - 20, 2022  
Measurement by Jaradrawee Sriuksa  
Sound Level Meter 00734218

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:50 AM - 03:55 AM	56.0	76.0	45.5
03:55 AM - 04:00 AM	52.0	63.3	46.3
04:00 AM - 04:05 AM	57.8	73.9	46.9
04:05 AM - 04:10 AM	54.2	70.1	44.9
04:10 AM - 04:15 AM	53.9	66.2	45.6
04:15 AM - 04:20 AM	53.6	66.9	44.9
04:20 AM - 04:25 AM	54.5	68.7	46.1
04:25 AM - 04:30 AM	55.4	68.4	45.8
04:30 AM - 04:35 AM	54.0	66.8	46.7
04:35 AM - 04:40 AM	54.6	66.5	46.5
04:40 AM - 04:45 AM	54.6	67.0	46.9
04:45 AM - 04:50 AM	59.1	80.4	48.2
04:50 AM - 04:55 AM	53.6	65.4	45.6
04:55 AM - 05:00 AM	55.7	66.1	47.0
05:00 AM - 05:05 AM	55.4	66.4	48.2
05:05 AM - 05:10 AM	56.2	70.8	47.5
05:10 AM - 05:15 AM	55.1	66.0	47.6
05:15 AM - 05:20 AM	57.2	68.6	48.2
05:20 AM - 05:25 AM	55.6	66.9	49.1
05:25 AM - 05:30 AM	55.9	68.5	48.2
05:30 AM - 05:35 AM	56.4	65.6	49.4
05:35 AM - 05:40 AM	57.7	69.9	51.0
05:40 AM - 05:45 AM	57.4	72.6	51.7
05:45 AM - 05:50 AM	57.5	70.9	51.7
05:50 AM - 05:55 AM	56.7	67.3	52.4
05:55 AM - 06:00 AM	57.6	65.9	52.5
06:00 AM - 07:00 AM	59.0	78.1	53.3
07:00 AM - 08:00 AM	58.5	75.4	52.5
08:00 AM - 09:00 AM	59.1	74.7	52.5
09:00 AM - 10:00 AM	59.5	77.8	52.0
10:00 AM - 11:00 AM	58.5	75.8	51.3
11:00 AM - 12:00 PM	58.5	83.9	50.7

Reference Method : ISO 1996-1

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Approved by

Wilawan Borirak  
Assistant Manager



## Analysis / Test Report

TESTING  
No.0042

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

Lot ID: 22144028  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report No. : 2535199-1

P/O : RJN-BW-012/65  
Project Name : Chonburi Bowin  
Project Location :

Page 1 of 3

Sample No. 22144028-23  
Parameter Noise  
Location N4 : ที่พักอาศัยบริเวณหมู่ 5 บ้านสุรศักดิ์ (Shut down)  
Measurement Date Dec 20 - 21, 2022  
Measurement by Jaradrawee Sriuksa  
Sound Level Meter 00734218

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:00 PM - 01:00 PM	57.6	75.1	49.7
01:00 PM - 02:00 PM	59.4	82.1	48.2
02:00 PM - 03:00 PM	58.7	83.0	47.3
03:00 PM - 04:00 PM	57.9	78.9	48.8
04:00 PM - 05:00 PM	58.4	80.5	48.6
05:00 PM - 06:00 PM	55.8	75.7	49.0
06:00 PM - 07:00 PM	56.6	74.7	49.5
07:00 PM - 08:00 PM	55.2	77.2	48.8
08:00 PM - 09:00 PM	54.8	79.1	47.2
09:00 PM - 10:00 PM	55.8	86.4	46.6
10:00 PM - 10:05 PM	53.1	66.5	46.4
10:05 PM - 10:10 PM	52.1	67.1	45.8
10:10 PM - 10:15 PM	52.1	64.0	46.7
10:15 PM - 10:20 PM	54.3	71.8	46.8
10:20 PM - 10:25 PM	51.4	66.0	46.0
10:25 PM - 10:30 PM	52.4	63.2	47.2
10:30 PM - 10:35 PM	51.3	63.4	46.8
10:35 PM - 10:40 PM	52.1	65.4	45.9
10:40 PM - 10:45 PM	52.6	65.0	46.4
10:45 PM - 10:50 PM	59.2	77.2	46.0
10:50 PM - 10:55 PM	54.1	66.0	47.0
10:55 PM - 11:00 PM	53.7	65.7	46.6
11:00 PM - 11:05 PM	55.5	71.3	46.1
11:05 PM - 11:10 PM	54.0	69.2	45.1
11:10 PM - 11:15 PM	49.1	65.4	44.6
11:15 PM - 11:20 PM	51.3	68.9	43.9
11:20 PM - 11:25 PM	52.9	72.9	44.4
11:25 PM - 11:30 PM	52.5	67.1	44.5
11:30 PM - 11:35 PM	54.8	67.7	45.5
11:35 PM - 11:40 PM	53.8	63.5	45.8
11:40 PM - 11:45 PM	53.6	65.7	46.6
11:45 PM - 11:50 PM	52.3	65.4	45.6
11:50 PM - 11:55 PM	55.4	77.9	45.6
11:55 PM - 12:00 AM	50.6	63.3	45.5
12:00 AM - 12:05 AM	50.0	63.5	45.6
12:05 AM - 12:10 AM	51.6	64.1	45.5
12:10 AM - 12:15 AM	50.6	67.8	45.3
12:15 AM - 12:20 AM	51.5	65.8	45.6
12:20 AM - 12:25 AM	49.3	63.4	45.0
12:25 AM - 12:30 AM	49.9	62.6	45.4

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Approved by

Wilawan Borirak  
Assistant Manager



## Analysis / Test Report

TESTING  
No.0042

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

Lot ID: 22144028  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report No. : 2535199-1

P/O : RJN-BW-012/65  
Project Name : Chonburi Bowin  
Project Location :  
Sample No. : 22144028-23  
Parameter : Noise  
Location : N4 : ที่พักอาศัยบริเวณหมู่ 5 บ้านสุรศักดิ์ (Shut down)  
Measurement Date : Dec 20 - 21, 2022  
Measurement by : Jaradrawee Sriruksa  
Sound Level Meter : 00734218

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:30 AM - 12:35 AM	51.2	63.9	45.6
12:35 AM - 12:40 AM	48.6	62.2	45.0
12:40 AM - 12:45 AM	52.5	67.4	45.7
12:45 AM - 12:50 AM	52.3	68.7	45.1
12:50 AM - 12:55 AM	49.2	61.9	45.3
12:55 AM - 01:00 AM	52.7	65.0	46.1
01:00 AM - 01:05 AM	50.3	62.8	45.6
01:05 AM - 01:10 AM	53.1	66.5	45.4
01:10 AM - 01:15 AM	51.6	64.9	46.1
01:15 AM - 01:20 AM	51.6	64.6	46.3
01:20 AM - 01:25 AM	50.8	64.0	45.3
01:25 AM - 01:30 AM	51.8	68.4	44.8
01:30 AM - 01:35 AM	52.2	67.5	45.6
01:35 AM - 01:40 AM	50.7	62.2	45.2
01:40 AM - 01:45 AM	51.7	67.5	45.6
01:45 AM - 01:50 AM	52.6	68.7	45.4
01:50 AM - 01:55 AM	50.4	64.7	45.3
01:55 AM - 02:00 AM	53.6	66.8	46.5
02:00 AM - 02:05 AM	49.1	60.6	45.6
02:05 AM - 02:10 AM	48.2	60.8	44.7
02:10 AM - 02:15 AM	51.2	67.5	45.4
02:15 AM - 02:20 AM	48.1	67.1	43.9
02:20 AM - 02:25 AM	50.1	64.8	45.2
02:25 AM - 02:30 AM	52.0	65.7	45.6
02:30 AM - 02:35 AM	52.0	64.3	45.1
02:35 AM - 02:40 AM	48.7	63.0	44.6
02:40 AM - 02:45 AM	52.3	66.7	45.4
02:45 AM - 02:50 AM	55.3	66.7	46.3
02:50 AM - 02:55 AM	54.1	67.4	46.4
02:55 AM - 03:00 AM	49.3	59.5	45.4
03:00 AM - 03:05 AM	48.2	61.0	44.9
03:05 AM - 03:10 AM	53.1	72.6	45.9
03:10 AM - 03:15 AM	54.9	72.1	46.8
03:15 AM - 03:20 AM	47.2	57.4	44.3
03:20 AM - 03:25 AM	57.9	78.2	46.7
03:25 AM - 03:30 AM	52.9	65.7	44.9
03:30 AM - 03:35 AM	54.3	67.1	46.0
03:35 AM - 03:40 AM	53.8	66.8	45.9
03:40 AM - 03:45 AM	54.1	66.8	45.7
03:45 AM - 03:50 AM	56.1	71.8	45.6

The above results are valid only for the analyzed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

Approved by

Wilawan Borirak  
Assistant Manager





## Analysis / Test Report

TESTING  
No.0042

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

Lot ID: 22144028  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report No. : 2535199-1

P/O : RJN-BW-012/65  
Project Name : Chonburi Bowin  
Project Location :

Page 3 of 3

Sample No. 22144028-23  
Parameter Noise  
Location N4 : ที่พักอาศัยบริเวณเหมู 5 บ้านสุรศักดิ์ (Shut down)  
Measurement Date Dec 20 - 21, 2022  
Measurement by Jaradrawee Sriruksa  
Sound Level Meter 00734218

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:50 AM - 03:55 AM	55.1	67.0	46.0
03:55 AM - 04:00 AM	53.5	65.2	45.1
04:00 AM - 04:05 AM	54.3	66.5	46.3
04:05 AM - 04:10 AM	52.9	65.1	45.5
04:10 AM - 04:15 AM	55.5	66.7	46.6
04:15 AM - 04:20 AM	54.4	64.8	46.0
04:20 AM - 04:25 AM	55.0	67.9	45.5
04:25 AM - 04:30 AM	54.6	72.3	46.0
04:30 AM - 04:35 AM	55.8	67.7	47.6
04:35 AM - 04:40 AM	55.7	72.6	47.9
04:40 AM - 04:45 AM	54.6	66.5	47.5
04:45 AM - 04:50 AM	56.6	68.8	46.9
04:50 AM - 04:55 AM	54.9	69.0	48.4
04:55 AM - 05:00 AM	53.8	64.8	46.8
05:00 AM - 05:05 AM	54.7	66.8	47.1
05:05 AM - 05:10 AM	54.1	67.0	47.8
05:10 AM - 05:15 AM	56.2	68.4	47.9
05:15 AM - 05:20 AM	54.8	67.5	48.1
05:20 AM - 05:25 AM	58.7	71.7	49.0
05:25 AM - 05:30 AM	57.8	67.5	51.0
05:30 AM - 05:35 AM	57.1	68.9	50.1
05:35 AM - 05:40 AM	56.9	65.6	52.3
05:40 AM - 05:45 AM	56.3	68.1	52.3
05:45 AM - 05:50 AM	58.6	70.5	51.3
05:50 AM - 05:55 AM	58.0	67.8	53.4
05:55 AM - 06:00 AM	57.9	68.4	53.3
06:00 AM - 07:00 AM	58.7	74.0	53.4
07:00 AM - 08:00 AM	58.5	78.4	52.8
08:00 AM - 09:00 AM	60.4	88.7	51.8
09:00 AM - 10:00 AM	59.8	85.3	50.0
10:00 AM - 11:00 AM	57.9	76.4	50.2
11:00 AM - 12:00 PM	58.0	79.9	50.2

Reference Method : ISO 1996-1

The above results are valid only for the analyzed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

Approved by

Wilawan Borirak  
Assistant Manager



## Analysis / Test Report

TESTING  
No.0042

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

Lot ID: 22144028  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report No. : 2535200-1

P/O : RJN-BW-012/65  
Project Name : Chonburi Bowin  
Project Location :

Page 1 of 3

Sample No. 22144028-24  
Parameter Noise  
Location N4 : ที่พักอาศัยบริเวณหมู่ 5 บ้านสุรศักดิ์ (Shut down)  
Measurement Date Dec 21 - 22, 2022  
Measurement by Jaradrawee Sriruksa  
Sound Level Meter 00734218

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:00 PM - 01:00 PM	57.3	78.3	49.8
01:00 PM - 02:00 PM	57.7	76.6	48.3
02:00 PM - 03:00 PM	59.0	83.3	48.7
03:00 PM - 04:00 PM	58.2	81.5	48.6
04:00 PM - 05:00 PM	57.5	78.9	48.1
05:00 PM - 06:00 PM	56.3	76.5	48.7
06:00 PM - 07:00 PM	56.0	80.9	49.9
07:00 PM - 08:00 PM	56.1	80.0	49.3
08:00 PM - 09:00 PM	58.2	85.0	47.6
09:00 PM - 10:00 PM	54.3	75.4	47.9
10:00 PM - 10:05 PM	53.5	70.8	47.8
10:05 PM - 10:10 PM	51.4	62.9	47.0
10:10 PM - 10:15 PM	51.1	65.6	46.3
10:15 PM - 10:20 PM	52.1	63.6	46.3
10:20 PM - 10:25 PM	51.6	66.8	46.0
10:25 PM - 10:30 PM	50.4	64.8	45.6
10:30 PM - 10:35 PM	50.6	61.4	45.8
10:35 PM - 10:40 PM	50.5	60.7	45.5
10:40 PM - 10:45 PM	53.7	66.2	46.2
10:45 PM - 10:50 PM	51.0	63.9	46.2
10:50 PM - 10:55 PM	52.3	66.6	46.1
10:55 PM - 11:00 PM	49.7	61.6	45.5
11:00 PM - 11:05 PM	51.2	65.2	45.7
11:05 PM - 11:10 PM	51.2	74.0	46.0
11:10 PM - 11:15 PM	52.5	69.0	45.6
11:15 PM - 11:20 PM	51.4	64.0	46.4
11:20 PM - 11:25 PM	54.4	65.6	46.5
11:25 PM - 11:30 PM	52.6	66.3	45.8
11:30 PM - 11:35 PM	48.1	60.5	44.9
11:35 PM - 11:40 PM	52.6	68.2	45.5
11:40 PM - 11:45 PM	51.8	62.7	46.1
11:45 PM - 11:50 PM	49.8	61.7	45.2
11:50 PM - 11:55 PM	48.6	59.9	45.0
11:55 PM - 12:00 AM	49.6	61.6	44.9
12:00 AM - 12:05 AM	52.0	63.0	45.3
12:05 AM - 12:10 AM	48.0	60.6	44.6
12:10 AM - 12:15 AM	50.1	63.5	44.9
12:15 AM - 12:20 AM	50.8	65.2	44.8
12:20 AM - 12:25 AM	51.9	65.8	45.9
12:25 AM - 12:30 AM	49.5	61.5	45.5

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Approved by

Wilawan Borirak  
Assistant Manager



## Analysis / Test Report

TESTING  
No.0042

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

Lot ID: 22144028  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report No. : 2535200-1

P/O : RJN-BW-012/65  
Project Name : Chonburi Bowin  
Project Location :  
Sample No. : 22144028-24  
Parameter : Noise  
Location : N4 : ที่พักอาศัยบริเวณหมู่ 5 บ้านสุรศักดิ์ (Shut down)  
Measurement Date : Dec 21 - 22, 2022  
Measurement by : Jaradrawee Sriuksa  
Sound Level Meter : 00734218

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:30 AM - 12:35 AM	50.5	61.7	45.9
12:35 AM - 12:40 AM	51.3	65.0	46.0
12:40 AM - 12:45 AM	49.6	63.7	45.8
12:45 AM - 12:50 AM	49.8	61.9	46.1
12:50 AM - 12:55 AM	51.2	65.9	46.1
12:55 AM - 01:00 AM	50.7	61.7	46.7
01:00 AM - 01:05 AM	55.3	71.0	47.3
01:05 AM - 01:10 AM	51.0	61.2	47.0
01:10 AM - 01:15 AM	50.6	63.7	47.3
01:15 AM - 01:20 AM	54.4	69.5	47.5
01:20 AM - 01:25 AM	54.5	72.9	46.8
01:25 AM - 01:30 AM	53.0	69.2	46.7
01:30 AM - 01:35 AM	50.4	62.2	46.1
01:35 AM - 01:40 AM	51.7	64.9	47.5
01:40 AM - 01:45 AM	50.6	63.0	45.3
01:45 AM - 01:50 AM	46.5	56.3	45.0
01:50 AM - 01:55 AM	50.0	60.6	45.2
01:55 AM - 02:00 AM	49.1	59.5	44.7
02:00 AM - 02:05 AM	51.5	65.0	45.7
02:05 AM - 02:10 AM	50.4	66.0	44.9
02:10 AM - 02:15 AM	46.7	57.5	44.3
02:15 AM - 02:20 AM	52.3	74.9	45.1
02:20 AM - 02:25 AM	48.9	62.2	45.1
02:25 AM - 02:30 AM	49.0	62.8	45.3
02:30 AM - 02:35 AM	49.3	62.5	44.8
02:35 AM - 02:40 AM	47.9	61.0	44.9
02:40 AM - 02:45 AM	52.2	64.5	45.3
02:45 AM - 02:50 AM	49.7	61.7	45.6
02:50 AM - 02:55 AM	55.2	70.5	45.6
02:55 AM - 03:00 AM	52.1	70.8	45.0
03:00 AM - 03:05 AM	49.4	61.2	45.2
03:05 AM - 03:10 AM	50.7	66.4	45.6
03:10 AM - 03:15 AM	49.3	61.5	45.3
03:15 AM - 03:20 AM	53.3	64.3	45.9
03:20 AM - 03:25 AM	52.3	64.8	45.3
03:25 AM - 03:30 AM	50.1	65.3	45.6
03:30 AM - 03:35 AM	55.1	69.3	47.4
03:35 AM - 03:40 AM	52.4	64.4	46.1
03:40 AM - 03:45 AM	50.7	63.8	46.5
03:45 AM - 03:50 AM	52.4	64.1	47.0

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Approved by

Wilawan Borirak  
Assistant Manager



## Analysis / Test Report

TESTING  
No.0042

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

Lot ID: 22144028  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report No. : 2535200-1

P/O : RJN-BW-012/65  
Project Name : Chonburi Bowin  
Project Location :  
Parameter : Noise  
Location : N4 : ที่พักอาศัยบริเวณหมู่ 5 บ้านสุรศักดิ์ (Shut down)  
Measurement Date : Dec 21 - 22, 2022  
Measurement by : Jaradrawee Sriuksa  
Sound Level Meter : 00734218

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:50 AM - 03:55 AM	53.8	67.4	46.8
03:55 AM - 04:00 AM	54.3	67.5	47.5
04:00 AM - 04:05 AM	50.9	62.8	46.6
04:05 AM - 04:10 AM	52.3	67.9	46.7
04:10 AM - 04:15 AM	53.9	64.4	47.3
04:15 AM - 04:20 AM	53.5	65.0	46.4
04:20 AM - 04:25 AM	55.0	69.9	47.1
04:25 AM - 04:30 AM	53.4	65.6	46.2
04:30 AM - 04:35 AM	52.9	65.1	46.7
04:35 AM - 04:40 AM	51.5	63.9	47.0
04:40 AM - 04:45 AM	55.2	68.7	47.5
04:45 AM - 04:50 AM	53.9	64.5	47.8
04:50 AM - 04:55 AM	56.5	71.7	47.3
04:55 AM - 05:00 AM	54.9	68.6	47.4
05:00 AM - 05:05 AM	55.7	70.8	47.7
05:05 AM - 05:10 AM	55.5	66.8	48.4
05:10 AM - 05:15 AM	54.6	66.3	47.9
05:15 AM - 05:20 AM	55.2	68.1	48.3
05:20 AM - 05:25 AM	57.2	69.9	49.2
05:25 AM - 05:30 AM	56.3	65.9	49.9
05:30 AM - 05:35 AM	61.6	79.8	50.3
05:35 AM - 05:40 AM	56.9	71.8	50.6
05:40 AM - 05:45 AM	57.7	73.2	50.8
05:45 AM - 05:50 AM	58.1	74.2	51.6
05:50 AM - 05:55 AM	59.1	71.9	51.7
05:55 AM - 06:00 AM	58.2	73.1	53.7
06:00 AM - 07:00 AM	58.8	76.8	53.6
07:00 AM - 08:00 AM	59.7	79.0	53.1
08:00 AM - 09:00 AM	58.6	75.8	51.8
09:00 AM - 10:00 AM	58.5	77.3	52.3
10:00 AM - 11:00 AM	58.4	81.3	50.7
11:00 AM - 12:00 PM	57.6	75.4	49.0

Reference Method : ISO 1996-1

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Wilawan Borirak  
Assistant Manager

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## Analysis / Test Report

TESTING  
No.0042

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

Lot ID: 22144028  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report No. : 2535201-1

P/O : RJN-BW-012/65  
Project Name : Chonburi Bowin  
Project Location :

Page 1 of 3

Sample No. 22144028-25  
Parameter Noise  
Location N4 : ที่พักอาศัยบริเวณหมู่ 5 บ้านสุรศักดิ์ (Shut down)  
Measurement Date Dec 22 - 23, 2022  
Measurement by Jaradrawee Sriruksa  
Sound Level Meter 00734218

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:00 PM - 01:00 PM	57.1	80.7	47.0
01:00 PM - 02:00 PM	57.6	76.0	47.7
02:00 PM - 03:00 PM	56.5	73.9	46.0
03:00 PM - 04:00 PM	58.3	86.0	46.2
04:00 PM - 05:00 PM	56.5	77.1	47.9
05:00 PM - 06:00 PM	56.0	78.1	48.6
06:00 PM - 07:00 PM	56.4	81.1	50.0
07:00 PM - 08:00 PM	55.6	74.7	49.0
08:00 PM - 09:00 PM	54.4	75.8	47.6
09:00 PM - 10:00 PM	53.5	71.5	46.7
10:00 PM - 10:05 PM	51.9	63.1	46.3
10:05 PM - 10:10 PM	52.6	69.4	46.4
10:10 PM - 10:15 PM	50.3	60.2	45.8
10:15 PM - 10:20 PM	51.5	66.6	46.2
10:20 PM - 10:25 PM	52.0	67.3	45.9
10:25 PM - 10:30 PM	52.2	69.7	45.8
10:30 PM - 10:35 PM	51.8	65.0	45.8
10:35 PM - 10:40 PM	51.9	66.7	46.2
10:40 PM - 10:45 PM	54.1	70.7	46.4
10:45 PM - 10:50 PM	51.7	68.2	46.2
10:50 PM - 10:55 PM	53.8	66.9	46.9
10:55 PM - 11:00 PM	55.3	72.5	45.7
11:00 PM - 11:05 PM	55.7	72.1	46.3
11:05 PM - 11:10 PM	52.9	65.0	46.2
11:10 PM - 11:15 PM	51.3	64.5	45.6
11:15 PM - 11:20 PM	50.2	63.4	45.3
11:20 PM - 11:25 PM	52.2	63.2	45.6
11:25 PM - 11:30 PM	51.1	65.5	45.1
11:30 PM - 11:35 PM	52.1	69.8	45.5
11:35 PM - 11:40 PM	48.2	63.3	45.2
11:40 PM - 11:45 PM	49.0	64.8	45.5
11:45 PM - 11:50 PM	51.9	63.4	46.2
11:50 PM - 11:55 PM	52.5	69.7	45.9
11:55 PM - 12:00 AM	48.7	60.6	45.7
12:00 AM - 12:05 AM	50.1	64.5	45.6
12:05 AM - 12:10 AM	54.5	72.0	46.3
12:10 AM - 12:15 AM	47.4	60.3	45.6
12:15 AM - 12:20 AM	51.1	62.8	46.0
12:20 AM - 12:25 AM	51.2	67.9	45.9
12:25 AM - 12:30 AM	50.6	62.3	45.8

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Approved by

Wilawan Borirak  
Assistant Manager



## Analysis / Test Report

**TESTING**  
**No.0042**

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

Lot ID: 22144028  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report No. : 2535201-1

P/O : RJN-BW-012/65  
Project Name : Chonburi Bowin  
Project Location :

Page 2 of 3

Sample No. 22144028-25  
Parameter Noise  
Location N4 : ที่พักอาศัยบริเวณหมู่ 5 บ้านสุรศักดิ์ (Shut down)  
Measurement Date Dec 22 - 23, 2022  
Measurement by Jaradrawee Sriruksa  
Sound Level Meter 00734218

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:30 AM - 12:35 AM	51.9	66.3	45.8
12:35 AM - 12:40 AM	55.8	76.8	45.9
12:40 AM - 12:45 AM	50.9	64.3	46.1
12:45 AM - 12:50 AM	48.2	59.6	45.4
12:50 AM - 12:55 AM	54.3	75.0	45.5
12:55 AM - 01:00 AM	53.4	65.8	46.4
01:00 AM - 01:05 AM	51.7	63.3	46.5
01:05 AM - 01:10 AM	51.5	63.8	46.2
01:10 AM - 01:15 AM	51.4	64.5	45.7
01:15 AM - 01:20 AM	51.4	63.7	46.4
01:20 AM - 01:25 AM	51.3	62.7	45.9
01:25 AM - 01:30 AM	52.7	68.9	45.1
01:30 AM - 01:35 AM	54.2	67.7	45.3
01:35 AM - 01:40 AM	52.4	67.3	45.1
01:40 AM - 01:45 AM	50.1	65.4	45.4
01:45 AM - 01:50 AM	50.5	60.7	45.8
01:50 AM - 01:55 AM	52.6	82.6	44.6
01:55 AM - 02:00 AM	49.9	63.3	44.7
02:00 AM - 02:05 AM	51.8	71.1	44.9
02:05 AM - 02:10 AM	54.0	72.8	45.5
02:10 AM - 02:15 AM	56.1	69.8	45.8
02:15 AM - 02:20 AM	53.1	65.3	46.3
02:20 AM - 02:25 AM	52.2	63.2	45.1
02:25 AM - 02:30 AM	50.7	64.3	44.7
02:30 AM - 02:35 AM	50.8	64.1	44.8
02:35 AM - 02:40 AM	49.6	63.5	44.8
02:40 AM - 02:45 AM	51.9	65.5	45.7
02:45 AM - 02:50 AM	49.3	62.4	44.5
02:50 AM - 02:55 AM	52.3	66.4	45.3
02:55 AM - 03:00 AM	54.5	74.2	45.9
03:00 AM - 03:05 AM	52.9	66.9	45.1
03:05 AM - 03:10 AM	50.7	64.0	45.0
03:10 AM - 03:15 AM	54.0	67.6	46.2
03:15 AM - 03:20 AM	53.2	66.6	45.6
03:20 AM - 03:25 AM	55.4	72.0	45.8
03:25 AM - 03:30 AM	54.2	70.6	44.9
03:30 AM - 03:35 AM	48.3	60.3	44.9
03:35 AM - 03:40 AM	54.0	71.8	46.1
03:40 AM - 03:45 AM	54.4	69.8	45.8
03:45 AM - 03:50 AM	53.6	64.4	46.3

The above results are valid only for the analyzed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

Approved by

*Wilawan Borirak*

Wilawan Borirak  
Assistant Manager



## Analysis / Test Report

TESTING  
No.0042

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

Lot ID: 22144028  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report No. : 2535201-1

P/O : RJN-BW-012/65  
Project Name : Chonburi Bowin  
Project Location :  
Sample No. : 22144028-25  
Parameter : Noise  
Location : N4 : ที่พักอาศัยบริเวณหมู่ 5 บ้านสรศักดิ์ (Shut down)  
Measurement Date : Dec 22 - 23, 2022  
Measurement by : Jaradrawee Sriruksa  
Sound Level Meter : 00734218

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:50 AM - 03:55 AM	55.8	70.1	46.0
03:55 AM - 04:00 AM	52.2	62.0	46.9
04:00 AM - 04:05 AM	52.8	71.7	46.8
04:05 AM - 04:10 AM	53.8	68.7	47.2
04:10 AM - 04:15 AM	55.6	67.0	47.9
04:15 AM - 04:20 AM	55.4	73.3	47.4
04:20 AM - 04:25 AM	54.1	64.0	46.5
04:25 AM - 04:30 AM	54.8	69.5	47.4
04:30 AM - 04:35 AM	58.0	72.5	49.1
04:35 AM - 04:40 AM	56.5	68.1	49.0
04:40 AM - 04:45 AM	54.6	68.0	47.7
04:45 AM - 04:50 AM	53.3	64.6	47.3
04:50 AM - 04:55 AM	58.0	70.8	49.2
04:55 AM - 05:00 AM	53.5	63.9	45.8
05:00 AM - 05:05 AM	56.3	67.2	46.8
05:05 AM - 05:10 AM	55.9	65.9	48.1
05:10 AM - 05:15 AM	55.1	65.1	47.9
05:15 AM - 05:20 AM	60.5	74.5	47.6
05:20 AM - 05:25 AM	57.8	72.6	50.2
05:25 AM - 05:30 AM	58.6	71.9	48.4
05:30 AM - 05:35 AM	56.6	66.1	48.7
05:35 AM - 05:40 AM	55.4	67.3	49.3
05:40 AM - 05:45 AM	57.8	67.7	51.1
05:45 AM - 05:50 AM	58.5	80.7	50.6
05:50 AM - 05:55 AM	59.0	73.0	52.1
05:55 AM - 06:00 AM	58.4	74.4	51.7
06:00 AM - 07:00 AM	59.1	77.4	53.0
07:00 AM - 08:00 AM	58.7	78.9	50.8
08:00 AM - 09:00 AM	58.2	80.9	49.3
09:00 AM - 10:00 AM	58.3	83.9	48.6
10:00 AM - 11:00 AM	57.9	83.5	47.3
11:00 AM - 12:00 PM	57.4	80.4	46.9

Reference Method : ISO 1996-1

The above results are valid only for the analyzed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

Approved by

Wilawan Borirak  
Assistant Manager





## Analysis / Test Report

TESTING  
No.0042

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

Lot ID: 22144028  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report No. : 2535202-1

P/O : RJN-BW-012/65  
Project Name : Chonburi Bowin  
Project Location :

Page 1 of 3

Sample No. 22144028-26  
Parameter Noise  
Location N4 : ที่พักอาศัยบริเวณหมู่ 5 บ้านสุรศักดิ์ (Shut down)  
Measurement Date Dec 23 - 24, 2022  
Measurement by Jaradrawee Sriruksa  
Sound Level Meter 00734218

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:00 PM - 01:00 PM	57.8	78.8	45.6
01:00 PM - 02:00 PM	56.3	76.5	47.5
02:00 PM - 03:00 PM	57.1	78.6	48.7
03:00 PM - 04:00 PM	57.8	80.3	48.4
04:00 PM - 05:00 PM	57.1	77.5	49.9
05:00 PM - 06:00 PM	56.4	78.6	49.6
06:00 PM - 07:00 PM	55.4	74.9	50.1
07:00 PM - 08:00 PM	56.5	80.6	49.0
08:00 PM - 09:00 PM	54.9	76.4	48.0
09:00 PM - 10:00 PM	55.0	78.7	47.2
10:00 PM - 10:05 PM	52.1	61.9	47.4
10:05 PM - 10:10 PM	51.5	61.8	47.2
10:10 PM - 10:15 PM	58.9	85.6	48.5
10:15 PM - 10:20 PM	54.0	64.1	48.2
10:20 PM - 10:25 PM	57.8	77.3	48.2
10:25 PM - 10:30 PM	54.2	64.9	48.2
10:30 PM - 10:35 PM	52.7	66.3	47.0
10:35 PM - 10:40 PM	54.5	74.4	46.9
10:40 PM - 10:45 PM	52.8	64.5	47.1
10:45 PM - 10:50 PM	52.6	68.1	46.9
10:50 PM - 10:55 PM	51.6	64.3	46.3
10:55 PM - 11:00 PM	51.0	61.9	45.5
11:00 PM - 11:05 PM	53.1	66.6	46.3
11:05 PM - 11:10 PM	53.8	70.2	46.2
11:10 PM - 11:15 PM	51.9	63.6	46.1
11:15 PM - 11:20 PM	54.5	71.0	47.1
11:20 PM - 11:25 PM	56.0	75.8	45.6
11:25 PM - 11:30 PM	50.7	62.8	45.9
11:30 PM - 11:35 PM	55.3	68.8	45.5
11:35 PM - 11:40 PM	54.6	71.1	46.2
11:40 PM - 11:45 PM	50.0	60.7	45.1
11:45 PM - 11:50 PM	55.2	73.3	45.5
11:50 PM - 11:55 PM	54.7	73.9	46.5
11:55 PM - 12:00 AM	51.1	60.1	45.8
12:00 AM - 12:05 AM	48.9	65.6	45.3
12:05 AM - 12:10 AM	50.6	65.4	46.4
12:10 AM - 12:15 AM	52.9	77.3	45.4
12:15 AM - 12:20 AM	53.2	67.0	45.7
12:20 AM - 12:25 AM	52.1	67.6	45.4
12:25 AM - 12:30 AM	51.0	62.9	45.7

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Approved by

Wilawan Borirak  
Assistant Manager



## Analysis / Test Report

TESTING  
No.0042

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

Lot ID: 22144028  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report No. : 2535202-1

P/O : RJN-BW-012/65  
Project Name : Chonburi Bowin  
Project Location :

Page 2 of 3

Sample No. 22144028-26  
Parameter Noise  
Location N4 : ที่พักอาศัยบริเวณหมู่ 5 บ้านสุรศักดิ์ (Shut down)  
Measurement Date Dec 23 - 24, 2022  
Measurement by Jaradrawee Sriruksa  
Sound Level Meter 00734218

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:30 AM - 12:35 AM	51.1	67.4	45.3
12:35 AM - 12:40 AM	51.2	65.1	45.5
12:40 AM - 12:45 AM	51.4	63.7	46.0
12:45 AM - 12:50 AM	51.2	61.2	45.4
12:50 AM - 12:55 AM	54.2	73.2	46.0
12:55 AM - 01:00 AM	55.3	80.6	46.6
01:00 AM - 01:05 AM	50.2	61.4	46.7
01:05 AM - 01:10 AM	47.0	52.5	45.8
01:10 AM - 01:15 AM	50.7	61.0	46.6
01:15 AM - 01:20 AM	52.7	67.9	45.9
01:20 AM - 01:25 AM	50.9	63.2	46.2
01:25 AM - 01:30 AM	52.2	71.3	45.8
01:30 AM - 01:35 AM	51.7	64.0	46.2
01:35 AM - 01:40 AM	50.3	68.0	45.6
01:40 AM - 01:45 AM	53.6	66.0	46.3
01:45 AM - 01:50 AM	51.9	70.7	45.5
01:50 AM - 01:55 AM	48.8	62.4	45.5
01:55 AM - 02:00 AM	49.1	63.1	45.5
02:00 AM - 02:05 AM	49.2	61.8	45.6
02:05 AM - 02:10 AM	50.5	65.4	45.4
02:10 AM - 02:15 AM	52.9	65.0	45.0
02:15 AM - 02:20 AM	50.1	65.6	44.8
02:20 AM - 02:25 AM	51.9	63.9	45.9
02:25 AM - 02:30 AM	49.8	62.3	45.4
02:30 AM - 02:35 AM	52.6	65.9	46.0
02:35 AM - 02:40 AM	52.4	67.0	44.4
02:40 AM - 02:45 AM	50.5	68.8	44.9
02:45 AM - 02:50 AM	51.1	64.3	44.6
02:50 AM - 02:55 AM	51.9	62.7	45.2
02:55 AM - 03:00 AM	50.3	66.1	44.7
03:00 AM - 03:05 AM	46.8	57.8	44.3
03:05 AM - 03:10 AM	47.9	58.0	44.8
03:10 AM - 03:15 AM	50.9	64.2	45.2
03:15 AM - 03:20 AM	51.2	64.6	45.0
03:20 AM - 03:25 AM	52.9	68.4	45.1
03:25 AM - 03:30 AM	51.8	63.9	45.4
03:30 AM - 03:35 AM	50.6	62.9	45.3
03:35 AM - 03:40 AM	51.8	66.0	45.8
03:40 AM - 03:45 AM	56.2	66.0	46.1
03:45 AM - 03:50 AM	54.0	65.4	46.0

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Approved by

Wilawan Borirak  
Assistant Manager



## Analysis / Test Report

TESTING  
No.0042

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

Lot ID: 22144028  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report No. : 2535202-1

P/O : RJN-BW-012/65  
Project Name : Chonburi Bowin  
Project Location :  
Sample No. : 22144028-26  
Parameter : Noise  
Location : N4 : ที่พักอาศัยบริเวณหมู่ 5 บ้านสรศักดิ์ (Shut down)  
Measurement Date : Dec 23 - 24, 2022  
Measurement by : Jaradrawee Sriruksa  
Sound Level Meter : 00734218

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:50 AM - 03:55 AM	51.8	65.7	45.4
03:55 AM - 04:00 AM	55.6	75.4	45.4
04:00 AM - 04:05 AM	53.5	69.8	45.2
04:05 AM - 04:10 AM	50.0	65.1	45.5
04:10 AM - 04:15 AM	53.2	72.4	45.0
04:15 AM - 04:20 AM	58.8	76.2	46.4
04:20 AM - 04:25 AM	52.4	63.6	46.6
04:25 AM - 04:30 AM	51.1	64.5	44.9
04:30 AM - 04:35 AM	51.9	65.6	45.5
04:35 AM - 04:40 AM	50.9	65.3	45.9
04:40 AM - 04:45 AM	52.8	63.1	47.5
04:45 AM - 04:50 AM	54.6	65.6	47.8
04:50 AM - 04:55 AM	52.4	64.3	46.7
04:55 AM - 05:00 AM	53.0	66.3	47.2
05:00 AM - 05:05 AM	52.8	64.6	46.2
05:05 AM - 05:10 AM	54.5	65.1	47.2
05:10 AM - 05:15 AM	54.8	66.9	47.8
05:15 AM - 05:20 AM	54.1	68.3	48.0
05:20 AM - 05:25 AM	53.9	66.0	48.0
05:25 AM - 05:30 AM	57.3	70.6	48.5
05:30 AM - 05:35 AM	55.5	69.4	47.9
05:35 AM - 05:40 AM	56.5	67.6	49.1
05:40 AM - 05:45 AM	55.9	66.2	50.0
05:45 AM - 05:50 AM	55.6	68.1	47.9
05:50 AM - 05:55 AM	54.3	67.4	49.8
05:55 AM - 06:00 AM	58.4	75.3	51.7
06:00 AM - 07:00 AM	58.6	80.2	51.9
07:00 AM - 08:00 AM	57.5	77.7	49.8
08:00 AM - 09:00 AM	57.1	79.5	49.1
09:00 AM - 10:00 AM	57.7	78.4	51.0
10:00 AM - 11:00 AM	56.9	79.4	49.9
11:00 AM - 12:00 PM	58.2	81.5	49.3

Reference Method : ISO 1996-1

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Wilawan Borirak  
Assistant Manager



## Analysis / Test Report

TESTING  
No.0042

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

Lot ID: 22144028  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report No. : 2535203-1

P/O : RJN-BW-012/65  
Project Name : Chonburi Bowin  
Project Location :

Page 1 of 3

Sample No. 22144028-27  
Parameter Noise  
Location N4 : ที่พักอาศัยบริเวณหมู่ 5 บ้านสุรศักดิ์ (Shut down)  
Measurement Date Dec 24 - 25, 2022  
Measurement by Jaradrawee Sriruksa  
Sound Level Meter 00734218

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:00 PM - 01:00 PM	56.0	77.2	49.5
01:00 PM - 02:00 PM	55.9	74.5	47.9
02:00 PM - 03:00 PM	55.3	70.8	48.1
03:00 PM - 04:00 PM	55.7	71.9	47.7
04:00 PM - 05:00 PM	56.8	77.9	49.6
05:00 PM - 06:00 PM	55.2	77.3	47.9
06:00 PM - 07:00 PM	54.8	75.5	49.0
07:00 PM - 08:00 PM	53.8	70.9	48.0
08:00 PM - 09:00 PM	53.6	81.1	47.1
09:00 PM - 10:00 PM	52.5	74.8	46.5
10:00 PM - 10:05 PM	53.2	74.0	46.7
10:05 PM - 10:10 PM	52.0	65.7	46.7
10:10 PM - 10:15 PM	51.0	63.7	46.8
10:15 PM - 10:20 PM	51.9	67.0	46.9
10:20 PM - 10:25 PM	52.3	66.6	47.0
10:25 PM - 10:30 PM	54.7	75.3	46.9
10:30 PM - 10:35 PM	53.3	73.2	46.9
10:35 PM - 10:40 PM	52.4	65.5	46.9
10:40 PM - 10:45 PM	50.4	63.3	47.0
10:45 PM - 10:50 PM	49.9	63.6	45.5
10:50 PM - 10:55 PM	50.9	65.0	46.3
10:55 PM - 11:00 PM	50.4	62.0	47.6
11:00 PM - 11:05 PM	52.1	65.3	47.2
11:05 PM - 11:10 PM	50.7	62.3	47.0
11:10 PM - 11:15 PM	49.4	59.6	47.0
11:15 PM - 11:20 PM	50.3	59.8	47.2
11:20 PM - 11:25 PM	51.3	63.5	47.5
11:25 PM - 11:30 PM	51.7	66.3	47.1
11:30 PM - 11:35 PM	52.5	69.1	46.8
11:35 PM - 11:40 PM	53.1	68.2	46.4
11:40 PM - 11:45 PM	49.7	63.7	46.9
11:45 PM - 11:50 PM	51.0	60.3	47.0
11:50 PM - 11:55 PM	54.5	70.3	47.3
11:55 PM - 12:00 AM	52.6	66.0	46.7
12:00 AM - 12:05 AM	64.1	85.8	47.3
12:05 AM - 12:10 AM	53.8	67.9	47.6
12:10 AM - 12:15 AM	55.9	70.3	46.7
12:15 AM - 12:20 AM	48.9	58.5	46.2
12:20 AM - 12:25 AM	53.4	65.3	48.8
12:25 AM - 12:30 AM	50.5	57.6	48.0

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Approved by

Wilawan Borirak  
Assistant Manager



## Analysis / Test Report

TESTING  
No.0042

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

Lot ID: 22144028  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report No. : 2535203-1

P/O : RJN-BW-012/65  
Project Name : Chonburi Bowin  
Project Location :  
Sample No. : 22144028-27  
Parameter : Noise  
Location : N4 : ที่พักอาศัยบริเวณหมู่ 5 บ้านสุรศักดิ์ (Shut down)  
Measurement Date : Dec 24 - 25, 2022  
Measurement by : Jaradrawee Sriuksa  
Sound Level Meter : 00734218

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:30 AM - 12:35 AM	51.6	65.4	48.1
12:35 AM - 12:40 AM	53.0	66.3	48.3
12:40 AM - 12:45 AM	52.7	63.2	48.2
12:45 AM - 12:50 AM	52.9	64.6	48.6
12:50 AM - 12:55 AM	51.6	60.9	48.2
12:55 AM - 01:00 AM	52.6	64.6	47.3
01:00 AM - 01:05 AM	51.2	60.8	46.9
01:05 AM - 01:10 AM	50.9	64.0	46.5
01:10 AM - 01:15 AM	52.0	69.9	46.5
01:15 AM - 01:20 AM	49.8	58.6	46.5
01:20 AM - 01:25 AM	50.6	60.2	45.5
01:25 AM - 01:30 AM	49.3	58.4	45.0
01:30 AM - 01:35 AM	55.8	73.3	46.2
01:35 AM - 01:40 AM	51.5	69.0	45.3
01:40 AM - 01:45 AM	49.9	60.8	44.7
01:45 AM - 01:50 AM	49.2	60.5	45.2
01:50 AM - 01:55 AM	49.7	62.9	45.3
01:55 AM - 02:00 AM	49.6	63.5	44.8
02:00 AM - 02:05 AM	49.4	59.4	45.2
02:05 AM - 02:10 AM	50.0	62.4	45.3
02:10 AM - 02:15 AM	49.9	63.3	44.9
02:15 AM - 02:20 AM	46.7	61.4	44.2
02:20 AM - 02:25 AM	47.4	55.4	44.8
02:25 AM - 02:30 AM	52.4	71.2	45.2
02:30 AM - 02:35 AM	54.3	74.7	44.6
02:35 AM - 02:40 AM	58.2	80.7	44.2
02:40 AM - 02:45 AM	54.4	67.4	44.1
02:45 AM - 02:50 AM	51.5	65.7	43.8
02:50 AM - 02:55 AM	46.1	59.3	43.5
02:55 AM - 03:00 AM	46.5	58.1	43.7
03:00 AM - 03:05 AM	48.3	58.4	44.1
03:05 AM - 03:10 AM	48.3	59.6	44.5
03:10 AM - 03:15 AM	52.2	65.9	44.6
03:15 AM - 03:20 AM	50.7	65.3	44.0
03:20 AM - 03:25 AM	49.2	62.9	44.2
03:25 AM - 03:30 AM	49.5	63.9	43.8
03:30 AM - 03:35 AM	50.6	61.7	43.2
03:35 AM - 03:40 AM	54.0	67.2	45.1
03:40 AM - 03:45 AM	49.0	63.4	43.3
03:45 AM - 03:50 AM	47.8	59.3	43.9

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Approved by

Wilawan Borirak  
Assistant Manager



## Analysis / Test Report

TESTING  
No.0042

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

Lot ID: 22144028  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report No. : 2535203-1

P/O : RJN-BW-012/65  
Project Name : Chonburi Bowin  
Project Location :

Page 3 of 3

Sample No. 22144028-27  
Parameter Noise  
Location N4 : ที่พักอาศัยบริเวณเหมู 5 บ้านสุรศักดิ์ (Shut down)  
Measurement Date Dec 24 - 25, 2022  
Measurement by Jaradrawee Sriruksa  
Sound Level Meter 00734218

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:50 AM - 03:55 AM	52.7	64.0	44.5
03:55 AM - 04:00 AM	52.8	66.5	44.9
04:00 AM - 04:05 AM	51.1	65.4	44.8
04:05 AM - 04:10 AM	52.3	68.3	45.4
04:10 AM - 04:15 AM	52.2	65.3	44.1
04:15 AM - 04:20 AM	53.2	68.3	44.4
04:20 AM - 04:25 AM	48.5	63.4	43.9
04:25 AM - 04:30 AM	50.5	64.9	44.3
04:30 AM - 04:35 AM	51.1	65.9	44.2
04:35 AM - 04:40 AM	57.6	73.9	45.1
04:40 AM - 04:45 AM	54.8	70.6	46.3
04:45 AM - 04:50 AM	53.4	65.1	45.8
04:50 AM - 04:55 AM	54.2	66.6	46.4
04:55 AM - 05:00 AM	53.3	66.6	46.6
05:00 AM - 05:05 AM	52.0	65.8	45.8
05:05 AM - 05:10 AM	53.7	66.6	45.6
05:10 AM - 05:15 AM	52.1	64.6	45.7
05:15 AM - 05:20 AM	56.5	72.8	46.9
05:20 AM - 05:25 AM	54.0	66.7	46.4
05:25 AM - 05:30 AM	53.0	64.8	45.7
05:30 AM - 05:35 AM	55.6	68.0	46.4
05:35 AM - 05:40 AM	55.5	71.3	46.4
05:40 AM - 05:45 AM	56.6	70.2	46.7
05:45 AM - 05:50 AM	54.4	68.5	47.1
05:50 AM - 05:55 AM	56.3	67.7	47.7
05:55 AM - 06:00 AM	54.1	67.0	47.5
06:00 AM - 07:00 AM	56.3	75.0	49.2
07:00 AM - 08:00 AM	55.4	73.7	48.0
08:00 AM - 09:00 AM	55.3	73.1	50.1
09:00 AM - 10:00 AM	57.8	83.4	49.7
10:00 AM - 11:00 AM	55.4	72.3	49.0
11:00 AM - 12:00 PM	54.9	74.9	47.6

Reference Method : ISO 1996-1

The above results are valid only for the analyzed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

Approved by

Wilawan Borirak  
Assistant Manager



## Analysis / Test Report

TESTING  
No.0042

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

Lot ID: 22144028  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report No. : 2535204-1

P/O : RJN-BW-012/65  
Project Name : Chonburi Bowin  
Project Location :

Page 1 of 3

Sample No. 22144028-28  
Parameter Noise  
Location N4 : ที่พักอาศัยบริเวณหมู่ 5 บ้านสุรศักดิ์ (Shut down)  
Measurement Date Dec 25 - 26, 2022  
Measurement by Jaradrawee Sriruksa  
Sound Level Meter 00734218

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:00 PM - 01:00 PM	54.4	72.1	46.8
01:00 PM - 02:00 PM	53.0	73.2	44.9
02:00 PM - 03:00 PM	53.9	77.3	45.8
03:00 PM - 04:00 PM	53.5	72.1	46.2
04:00 PM - 05:00 PM	55.3	79.0	46.9
05:00 PM - 06:00 PM	53.3	78.4	47.0
06:00 PM - 07:00 PM	53.5	71.5	48.2
07:00 PM - 08:00 PM	54.7	80.0	47.5
08:00 PM - 09:00 PM	52.2	71.3	46.8
09:00 PM - 10:00 PM	50.8	76.9	46.2
10:00 PM - 10:05 PM	51.0	66.8	45.6
10:05 PM - 10:10 PM	53.6	71.2	46.3
10:10 PM - 10:15 PM	48.6	58.6	46.1
10:15 PM - 10:20 PM	50.8	62.6	46.9
10:20 PM - 10:25 PM	51.5	66.6	46.0
10:25 PM - 10:30 PM	49.9	60.0	46.3
10:30 PM - 10:35 PM	49.7	63.9	46.0
10:35 PM - 10:40 PM	53.2	70.5	45.5
10:40 PM - 10:45 PM	51.5	64.1	45.5
10:45 PM - 10:50 PM	49.0	61.8	45.4
10:50 PM - 10:55 PM	49.1	59.1	45.0
10:55 PM - 11:00 PM	51.4	62.8	45.4
11:00 PM - 11:05 PM	54.1	71.6	46.6
11:05 PM - 11:10 PM	49.8	62.1	45.4
11:10 PM - 11:15 PM	49.9	63.7	45.2
11:15 PM - 11:20 PM	50.1	62.7	45.0
11:20 PM - 11:25 PM	48.8	63.1	44.8
11:25 PM - 11:30 PM	45.9	53.7	44.3
11:30 PM - 11:35 PM	47.8	61.0	44.4
11:35 PM - 11:40 PM	50.7	68.1	45.1
11:40 PM - 11:45 PM	46.9	56.7	45.1
11:45 PM - 11:50 PM	47.4	56.8	45.3
11:50 PM - 11:55 PM	46.1	54.4	44.9
11:55 PM - 12:00 AM	46.9	56.0	44.9
12:00 AM - 12:05 AM	48.2	67.6	44.6
12:05 AM - 12:10 AM	49.1	63.6	44.7
12:10 AM - 12:15 AM	48.1	62.1	45.0
12:15 AM - 12:20 AM	46.6	54.7	44.5
12:20 AM - 12:25 AM	51.9	71.5	46.0
12:25 AM - 12:30 AM	49.7	62.8	45.6

The above results are valid only for the analyzed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory, ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

Approved by

Wilawan Borirak  
Assistant Manager





## Analysis / Test Report

**TESTING**  
**No.0042**

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

Lot ID: 22144028  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report No. : 2535204-1

P/O : RJN-BW-012/65  
Project Name : Chonburi Bowin  
Project Location :

Page 2 of 3

Sample No. 22144028-28  
Parameter Noise  
Location N4 : ที่พักอาศัยบริเวณหมู่ 5 บ้านสุรศักดิ์ (Shut down)  
Measurement Date Dec 25 - 26, 2022  
Measurement by Jaradrawee Sriruksa  
Sound Level Meter 00734218

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:30 AM - 12:35 AM	48.1	56.6	45.6
12:35 AM - 12:40 AM	49.9	64.0	45.7
12:40 AM - 12:45 AM	48.6	62.9	45.1
12:45 AM - 12:50 AM	48.8	60.9	45.0
12:50 AM - 12:55 AM	50.8	65.1	45.3
12:55 AM - 01:00 AM	47.3	60.8	43.9
01:00 AM - 01:05 AM	47.7	57.7	44.3
01:05 AM - 01:10 AM	48.0	62.7	43.7
01:10 AM - 01:15 AM	50.5	65.4	44.4
01:15 AM - 01:20 AM	48.5	61.0	44.7
01:20 AM - 01:25 AM	49.5	68.2	44.1
01:25 AM - 01:30 AM	48.8	59.9	44.4
01:30 AM - 01:35 AM	48.1	60.9	44.3
01:35 AM - 01:40 AM	45.5	55.0	44.0
01:40 AM - 01:45 AM	48.0	61.8	43.8
01:45 AM - 01:50 AM	51.2	70.1	44.6
01:50 AM - 01:55 AM	49.7	66.6	44.2
01:55 AM - 02:00 AM	45.6	56.4	43.7
02:00 AM - 02:05 AM	48.4	60.7	43.8
02:05 AM - 02:10 AM	46.4	55.5	44.4
02:10 AM - 02:15 AM	52.7	64.9	44.4
02:15 AM - 02:20 AM	50.1	65.1	44.4
02:20 AM - 02:25 AM	48.5	61.2	44.3
02:25 AM - 02:30 AM	53.3	69.1	44.0
02:30 AM - 02:35 AM	46.6	61.1	43.9
02:35 AM - 02:40 AM	49.8	66.7	43.8
02:40 AM - 02:45 AM	50.4	64.1	44.8
02:45 AM - 02:50 AM	48.3	62.3	44.1
02:50 AM - 02:55 AM	49.5	66.8	43.6
02:55 AM - 03:00 AM	50.5	63.0	44.1
03:00 AM - 03:05 AM	51.2	68.1	44.1
03:05 AM - 03:10 AM	48.3	64.3	43.9
03:10 AM - 03:15 AM	48.1	60.3	43.9
03:15 AM - 03:20 AM	46.6	59.4	44.0
03:20 AM - 03:25 AM	48.6	60.1	44.0
03:25 AM - 03:30 AM	50.4	64.5	44.6
03:30 AM - 03:35 AM	47.8	56.4	44.3
03:35 AM - 03:40 AM	49.1	61.7	44.9
03:40 AM - 03:45 AM	52.7	66.1	43.8
03:45 AM - 03:50 AM	51.6	65.9	44.5

The above results are valid only for the analyzed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

Approved by

*Wilawan Borirak*

Wilawan Borirak  
Assistant Manager

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Page 3 of 3



## Analysis / Test Report

TESTING  
No.0042

Client : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

Lot ID: 22144028  
Date Received : Dec 28, 2022  
Date Reported : Jan 04, 2023  
Report No. : 2535204-1

P/O : RJN-BW-012/65  
Project Name : Chonburi Bowin  
Project Location :  
Sample No. : 22144028-28  
Parameter : Noise  
Location : N4 : ที่พักอาศัยบริเวณหมู่ 5 บ้านสรศักดิ์ (Shut down)  
Measurement Date : Dec 25 - 26, 2022  
Measurement by : Jaradrawee Sriruksa  
Sound Level Meter : 00734218

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:50 AM - 03:55 AM	52.3	64.9	45.5
03:55 AM - 04:00 AM	52.3	67.2	45.3
04:00 AM - 04:05 AM	49.5	65.0	44.4
04:05 AM - 04:10 AM	51.6	64.4	45.1
04:10 AM - 04:15 AM	49.1	62.6	44.7
04:15 AM - 04:20 AM	50.2	65.1	45.6
04:20 AM - 04:25 AM	54.5	68.3	45.6
04:25 AM - 04:30 AM	51.7	69.7	45.3
04:30 AM - 04:35 AM	52.0	68.5	45.1
04:35 AM - 04:40 AM	52.4	64.5	45.5
04:40 AM - 04:45 AM	53.3	64.3	47.0
04:45 AM - 04:50 AM	53.3	65.9	46.0
04:50 AM - 04:55 AM	52.2	65.0	46.7
04:55 AM - 05:00 AM	53.2	67.4	46.1
05:00 AM - 05:05 AM	51.9	63.4	46.6
05:05 AM - 05:10 AM	53.9	68.3	45.4
05:10 AM - 05:15 AM	56.3	68.7	46.4
05:15 AM - 05:20 AM	54.3	65.3	47.0
05:20 AM - 05:25 AM	57.1	76.8	47.9
05:25 AM - 05:30 AM	55.3	68.7	47.2
05:30 AM - 05:35 AM	54.2	67.3	47.1
05:35 AM - 05:40 AM	57.3	68.9	49.1
05:40 AM - 05:45 AM	55.2	69.7	48.0
05:45 AM - 05:50 AM	57.0	68.9	49.7
05:50 AM - 05:55 AM	61.1	80.5	49.7
05:55 AM - 06:00 AM	55.9	66.4	49.9
06:00 AM - 07:00 AM	57.9	78.7	52.2
07:00 AM - 08:00 AM	57.8	71.9	52.5
08:00 AM - 09:00 AM	58.2	78.0	51.8
09:00 AM - 10:00 AM	58.7	79.1	51.4
10:00 AM - 11:00 AM	59.4	80.0	52.1
11:00 AM - 12:00 PM	60.1	85.1	52.3

Reference Method : ISO 1996-1

The above results are valid only for the analyzed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

Approved by

Wilawan Borirak  
Assistant Manager

ภาคผนวก ค-3

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ผลการตรวจวิเคราะห์คุณภาพน้ำเสีย-น้ำทิ้งหลังผ่านการบำบัด

## ANALYSIS REPORT

**CUSTOMER NAME** : ROJANA INDUSTRIAL MANAGEMENT COMPANY LIMITED  
**ADDRESS** : 2034/115 26TH FLOOR ITALTHAI TOWER, NEW PETCHBURI ROAD BANG KAPI HUAI KHWANG BANGKOK 10310  
**CONTACT INFORMATION** : TEL : 0 2318 6788 e-mail : dusadee\_kpy@hotmail.com  
**SAMPLING SOURCE** : BOWIN  
**SAMPLE TYPE** : WASTEWATER  
**SAMPLING DATE** : JULY 7, 2022  
**SAMPLING TIME** : 09:50 HOUR  
**SAMPLING METHOD** <sup>c</sup> : GRAB  
**SAMPLING BY** <sup>c</sup> : MR NAPASIT SRIPIM  
**ANALYZED BY** : MISS AMONRAT PUTTALAE

**RECEIVED DATE** : JULY 8, 2022  
**ANALYTICAL DATE** : JULY 8-15, 2022  
**REPORT NO.** : 2022-U056319  
**WORK NO.** : 2021-008810  
**ANALYSIS NO.** : T22AN650-0003

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	DETECTION LIMIT
			INFLUENT T22AN650-0003	
pH <sup>c</sup>	-	ELECTROMETRIC METHOD AT SITE (SM:4500-H <sup>+</sup> B)	6.5 (35°C)	-
ELECTRICAL CONDUCTIVITY <sup>c</sup>	µmhos/cm	ELECTRICAL CONDUCTIVITY METHOD AT SITE (SM: 2510 B)	3,290 (35°C)	0.1
BIOCHEMICAL OXYGEN DEMAND <sup>a</sup>	mg/L	MEMBRANE ELECTRODE METHOD (SM: 4500-O <sub>2</sub> G AND 5210 B)	ND	2.0
CHEMICAL OXYGEN DEMAND <sup>a</sup>	mg/L	CLOSED REFLUX, COLOURIMETRIC METHOD (SM: 5220 D)	ND	25.0
TOTAL SUSPENDED SOLIDS <sup>a</sup>	mg/L	TOTAL SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: 2540 D)	10.2	5.0
TOTAL DISSOLVED SOLIDS <sup>b</sup>	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: 2540 C)	3,296	25
FLUORIDE <sup>c</sup>	mg/L F <sup>-</sup>	ION-SELECTIVE ELECTRODE METHOD (SM: 4500-F <sup>-</sup> C)	6.44	0.04
<b>SAMPLE CONDITION</b> WATER'S COLOUR/TURBID SEDIMENT			YELLOW/CLEAR YELLOW	

<sup>a</sup> : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

<sup>b</sup> : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

<sup>c</sup> : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

ND : NON-DETECTABLE.

*Benjawan V.*

(MISS BENJAWAN VIRIYOTHAI)  
LABORATORY SUPERVISOR

JULY 20, 2022





## ANALYSIS REPORT

**CUSTOMER NAME** : ROJANA INDUSTRIAL MANAGEMENT COMPANY LIMITED  
**ADDRESS** : 2034/115 26TH FLOOR ITALTHAI TOWER, NEW PETCHBURI ROAD BANG KAPI HUAI KHWANG BANGKOK 10310  
**CONTACT INFORMATION** : TEL : 0 2318 6788 e-mail : dusadee\_kpy@hotmail.com  
**SAMPLING SOURCE** : BOWIN  
**SAMPLE TYPE** : EFFLUENT  
**SAMPLING DATE** : JULY 7, 2022  
**SAMPLING TIME** : 09:40 HOUR  
**SAMPLING METHOD °** : GRAB  
**SAMPLING BY °** : MR NAPASIT SRIPIM  
**ANALYZED BY** : MISS AMONRAT PUTTALEE

**RECEIVED DATE** : JULY 8, 2022  
**ANALYTICAL DATE** : JULY 8-15, 2022  
**REPORT NO.** : 2022-U056320  
**WORK NO.** : 2021-008810  
**ANALYSIS NO.** : T22AN650-0004

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			EFFLUENT T22AN650-0004		
pH °	-	ELECTROMETRIC METHOD AT SITE (SM:4500-H+ B)	6.2 (32°C)	5.5-9.0	-
ELECTRICAL CONDUCTIVITY °	µmhos/cm	ELECTRICAL CONDUCTIVITY METHOD AT SITE (SM: 2510 B)	4,090 (32°C)	-	0.1
BIOCHEMICAL OXYGEN DEMAND °	mg/L	MEMBRANE ELECTRODE METHOD (SM: 4500-O G AND 5210 B)	ND	≤ 20	2.0
CHEMICAL OXYGEN DEMAND °	mg/L	CLOSED REFLUX, COLOURIMETRIC METHOD (SM: 5220 D)	ND	≤ 120	25.0
TOTAL SUSPENDED SOLIDS °	mg/L	TOTAL SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: 2540 D)	8.0	≤ 50	5.0
TOTAL DISSOLVED SOLIDS °	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: 2540 C)	3,988	≤ 3,000	25
FLUORIDE °	mg/L F	ION-SELECTIVE ELECTRODE METHOD (SM: 4500-F C)	6.63	-	0.04
<b>SAMPLE CONDITION</b> WATER'S COLOUR/TURBID SEDIMENT			YELLOW/CLEAR YELLOW		

° : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

° : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

° : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

REGULATORY STANDARD : STANDARD FOR CONTROL THE EFFLUENT FROM INDUSTRIAL PLANTS, INDUSTRIAL ESTATE AND INDUSTRIAL ZONES, NOTIFICATION OF THE MINISTRY OF NATURAL RESOURCES AND ENVIRONMENT B.E. 2559 (2016) AND INDUSTRIAL EFFLUENT STANDARDS, NOTIFICATION OF THE MINISTRY OF INDUSTRY B.E. 2560 (2017).

ND : NON-DETECTABLE.

*Benjawan V.*

(MISS BENJAWAN VIRIYOTHAI)  
LABORATORY SUPERVISOR

JULY 20, 2022



## ANALYSIS REPORT

**CUSTOMER NAME** : ROJANA INDUSTRIAL MANAGEMENT COMPANY LIMITED  
**ADDRESS** : 2034/115 26TH FLOOR ITALTHAI TOWER, NEW PETCHBURI ROAD BANG KAPI HUAI KHWANG BANGKOK 10310  
**CONTACT INFORMATION** : TEL : 0 2318 6788 e-mail : dusadee\_kpy@hotmail.com  
**SAMPLING SOURCE** : BOWIN  
**SAMPLE TYPE** : EFFLUENT  
**SAMPLING DATE** : JULY 7, 2022  
**SAMPLING TIME** : 09:30 HOUR  
**SAMPLING METHOD °** : GRAB  
**SAMPLING BY °** : MR NAPASIT SRIPIM  
**ANALYZED BY** : MISS KALLAYA SOMPHONG

**RECEIVED DATE** : JULY 8, 2022  
**ANALYTICAL DATE** : JULY 8-16, 2022  
**REPORT NO.** : 2022-U056321  
**WORK NO.** : 2021-008810  
**ANALYSIS NO.** : T22AN650-0005

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			HOLDING POND T22AN650-0005		
pH °	-	ELECTROMETRIC METHOD AT SITE (SM:4500-H+ B)	7.3 (32°C)	5.5-9.0	-
BIOCHEMICAL OXYGEN DEMAND °	mg/L	MEMBRANE ELECTRODE METHOD (SM: 4500-O G AND 5210 B)	ND	≤ 20	2.0
CHEMICAL OXYGEN DEMAND °	mg/L	CLOSED REFLUX, COLOURIMETRIC METHOD (SM: 5220 D)	ND	≤ 120	25.0
FLUORIDE °	mg/L F <sup>-</sup>	ION-SELECTIVE ELECTRODE METHOD (SM: 4500-F C)	7.47	-	0.04
NITRATE °	mg/L NO <sub>3</sub> <sup>-</sup>	CADMIUM REDUCTION METHOD (SM: 4500 -NO <sub>3</sub> E)	431	-	0.09
METALS					
ARSENIC °	mg/L As	HYDRIDE GENERATION AAS METHOD (SM: 3114 C)	0.0011	≤ 0.25	0.0003
CADMIUM °	mg/L Cd	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	ND	≤ 0.03	0.001
CHROMIUM °	mg/L Cr	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	0.009	-	0.001





PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			HOLDING POND T22AN650-0005		
LEAD <sup>c</sup>	mg/L Pb	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	0.003	≤ 0.2	0.002
<b>SAMPLE CONDITION</b> WATER'S COLOUR/TURBID SEDIMENT			YELLOW/CLEAR YELLOW		

<sup>a</sup> : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

<sup>b</sup> : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

<sup>c</sup> : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

REGULATORY STANDARD : STANDARD FOR CONTROL THE EFFLUENT FROM INDUSTRIAL PLANTS, INDUSTRIAL ESTATE AND  
INDUSTRIAL ZONES, NOTIFICATION OF THE MINISTRY OF NATURAL RESOURCES AND ENVIRONMENT  
B.E. 2559 (2016) AND INDUSTRIAL EFFLUENT STANDARDS, NOTIFICATION OF THE MINISTRY  
OF INDUSTRY B.E. 2560 (2017).

ND : NON-DETECTABLE.

*Benjawan V.*

(MISS BENJAWAN VIRIYOTHAI)  
LABORATORY SUPERVISOR

JULY 20, 2022



## ANALYSIS REPORT

**CUSTOMER NAME** : ROJANA INDUSTRIAL MANAGEMENT COMPANY LIMITED  
**ADDRESS** : 2034/115 26TH FLOOR ITALTHAI TOWER, NEW PETCHBURI ROAD BANG KAPI HUAI KHWANG BANGKOK 10310  
**CONTACT INFORMATION** : TEL : 0 2318 6788 e-mail : dusadee\_kpy@hotmail.com  
**SAMPLING SOURCE** : BOWIN  
**SAMPLE TYPE** : WASTEWATER  
**SAMPLING DATE** : JULY 12, 2022  
**SAMPLING TIME** : 09:50 HOUR  
**SAMPLING METHOD** : GRAB  
**SAMPLING BY** : MR THANADET WANSANOR  
**ANALYZED BY** : MISS AMONRAT PUTTALEE

**RECEIVED DATE** : JULY 12, 2022  
**ANALYTICAL DATE** : JULY 12-19, 2022  
**REPORT NO.** : 2022-U057153  
**WORK NO.** : 2021-008810  
**ANALYSIS NO.** : T22AN866-0003

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	DETECTION LIMIT
			INFLUENT T22AN866-0003	
pH <sup>c</sup>	-	ELECTROMETRIC METHOD AT SITE (SM:4500-H <sup>+</sup> B)	6.7 (32°C)	-
ELECTRICAL CONDUCTIVITY <sup>c</sup>	µmhos/cm	ELECTRICAL CONDUCTIVITY METHOD AT SITE (SM: 2510 B)	3,980 (32°C)	0.1
BIOCHEMICAL OXYGEN DEMAND <sup>a</sup>	mg/L	MEMBRANE ELECTRODE METHOD (SM: 4500-O <sub>2</sub> G AND 5210 B)	ND	2.0
CHEMICAL OXYGEN DEMAND <sup>a</sup>	mg/L	CLOSED REFLUX, COLOURIMETRIC METHOD (SM: 5220 D)	ND	25.0
TOTAL SUSPENDED SOLIDS <sup>a</sup>	mg/L	TOTAL SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: 2540 D)	20.8	5.0
TOTAL DISSOLVED SOLIDS <sup>b</sup>	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: 2540 C)	3,963	25
FLUORIDE <sup>c</sup>	mg/L F <sup>-</sup>	ION-SELECTIVE ELECTRODE METHOD (SM: 4500-F C)	3.75	0.04
<b>SAMPLE CONDITION</b> WATER'S COLOUR/TURBID SEDIMENT			YELLOW/CLEAR YELLOW	

<sup>a</sup> : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

<sup>b</sup> : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

<sup>c</sup> : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

ND : NON-DETECTABLE.

*Benjawan V.*

(MISS BENJAWAN VIRIYOTHA)  
LABORATORY SUPERVISOR

JULY 22, 2022



## ANALYSIS REPORT

**CUSTOMER NAME** : ROJANA INDUSTRIAL MANAGEMENT COMPANY LIMITED  
**ADDRESS** : 2034/115 26TH FLOOR ITALTHAI TOWER, NEW PETCHBURI ROAD BANG KAPI HUAI KHWANG BANGKOK 10310  
**CONTACT INFORMATION** : TEL : 0 2318 6788 e-mail : dusadee\_kpy@hotmail.com  
**SAMPLING SOURCE** : BOWIN  
**SAMPLE TYPE** : EFFLUENT  
**SAMPLING DATE** : JULY 12, 2022  
**SAMPLING TIME** : 09:40 HOUR  
**SAMPLING METHOD** : GRAB  
**SAMPLING BY** : MR THANADET WANSANOR  
**ANALYZED BY** : MISS AMONRAT PUTTALEE

**RECEIVED DATE** : JULY 12, 2022  
**ANALYTICAL DATE** : JULY 12-19, 2022  
**REPORT NO.** : 2022-U057154  
**WORK NO.** : 2021-008810  
**ANALYSIS NO.** : T22AN866-0004

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			EFFLUENT T22AN866-0004		
pH <sup>c</sup>	-	ELECTROMETRIC METHOD AT SITE (SM:4500-H <sup>+</sup> B)	6.7 (31°C)	5.5-9.0	-
ELECTRICAL CONDUCTIVITY <sup>c</sup>	µmhos/cm	ELECTRICAL CONDUCTIVITY METHOD AT SITE (SM: 2510 B)	4,490 (31°C)	-	0.1
BIOCHEMICAL OXYGEN DEMAND <sup>a</sup>	mg/L	MEMBRANE ELECTRODE METHOD (SM: 4500-O G AND 5210 B)	ND	≤ 20	2.0
CHEMICAL OXYGEN DEMAND <sup>a</sup>	mg/L	CLOSED REFLUX, COLOURIMETRIC METHOD (SM: 5220 D)	ND	≤ 120	25.0
TOTAL SUSPENDED SOLIDS <sup>a</sup>	mg/L	TOTAL SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: 2540 D)	10.8	≤ 50	5.0
TOTAL DISSOLVED SOLIDS <sup>b</sup>	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: 2540 C)	4,324	≤ 3,000	25
FLUORIDE <sup>c</sup>	mg/L F <sup>-</sup>	ION-SELECTIVE ELECTRODE METHOD (SM: 4500-F C)	6.02	-	0.04
<b>SAMPLE CONDITION</b> WATER'S COLOUR/TURBID SEDIMENT			YELLOW/CLEAR YELLOW		

<sup>a</sup> : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

<sup>b</sup> : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

<sup>c</sup> : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

REGULATORY STANDARD : STANDARD FOR CONTROL THE EFFLUENT FROM INDUSTRIAL PLANTS, INDUSTRIAL ESTATE AND INDUSTRIAL ZONES, NOTIFICATION OF THE MINISTRY OF NATURAL RESOURCES AND ENVIRONMENT B.E. 2559 (2016) AND INDUSTRIAL EFFLUENT STANDARDS, NOTIFICATION OF THE MINISTRY OF INDUSTRY B.E. 2560 (2017).

ND : NON-DETECTABLE.

*Benjawan V.*

(MISS BENJAWAN VIRIYOTHA)  
LABORATORY SUPERVISOR

JULY 22, 2022





## ANALYSIS REPORT

<b>CUSTOMER NAME</b>	: ROJANA INDUSTRIAL MANAGEMENT COMPANY LIMITED	<b>RECEIVED DATE</b>	: JULY 12, 2022
<b>ADDRESS</b>	: 2034/115 26TH FLOOR ITALTHAI TOWER, NEW PETCHBURI ROAD BANG KAPI HUAI KHWANG BANGKOK 10310	<b>ANALYTICAL DATE</b>	: JULY 12-19, 2022
<b>CONTACT INFORMATION</b>	: TEL : 0 2318 6788 e-mail : dusadee_kpy@hotmail.com	<b>REPORT NO.</b>	: 2022-U057155
<b>SAMPLING SOURCE</b>	: BOWIN	<b>WORK NO.</b>	: 2021-008810
<b>SAMPLE TYPE</b>	: EFFLUENT	<b>ANALYSIS NO.</b>	: T22AN866-0005
<b>SAMPLING DATE</b>	: JULY 12, 2022		
<b>SAMPLING TIME</b>	: 09:30 HOUR		
<b>SAMPLING METHOD <sup>c</sup></b>	: GRAB		
<b>SAMPLING BY <sup>c</sup></b>	: MR THANADET WANSANOR		
<b>ANALYZED BY</b>	: MISS KALLAYA SOMPHONG		

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			HOLDING POND T22AN866-0005		
pH <sup>c</sup>	-	ELECTROMETRIC METHOD AT SITE (SM:4500-H <sup>+</sup> B)	8.0 (30°C)	5.5-9.0	-
BIOCHEMICAL OXYGEN DEMAND <sup>a</sup>	mg/L	MEMBRANE ELECTRODE METHOD (SM: 4500-O G AND 5210 B)	ND	≤ 20	2.0
CHEMICAL OXYGEN DEMAND <sup>a</sup>	mg/L	CLOSED REFLUX, COLOURIMETRIC METHOD (SM: 5220 D)	ND	≤ 120	25.0
FLUORIDE <sup>c</sup>	mg/L F <sup>-</sup>	ION-SELECTIVE ELECTRODE METHOD (SM: 4500-F <sup>-</sup> C)	7.34	-	0.04
NITRATE <sup>c</sup>	mg/L NO <sub>3</sub> <sup>-</sup>	CADMIUM REDUCTION METHOD (SM: 4500 -NO <sub>3</sub> <sup>-</sup> E)	970	-	0.09
METALS					
ARSENIC <sup>c</sup>	mg/L As	HYDRIDE GENERATION AAS METHOD (SM: 3114 C)	0.0009	≤ 0.25	0.0003
CADMIUM <sup>c</sup>	mg/L Cd	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	ND	≤ 0.03	0.001
CHROMIUM <sup>c</sup>	mg/L Cr	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	0.008	-	0.001



PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			HOLDING POND T22AN866-0005		
LEAD <sup>c</sup>	mg/L Pb	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	ND	≤ 0.2	0.002
<b>SAMPLE CONDITION</b> WATER'S COLOUR/TURBID SEDIMENT			YELLOW/CLEAR YELLOW		

<sup>a</sup> : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

<sup>b</sup> : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

<sup>c</sup> : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

REGULATORY STANDARD : STANDARD FOR CONTROL THE EFFLUENT FROM INDUSTRIAL PLANTS, INDUSTRIAL ESTATE AND INDUSTRIAL ZONES, NOTIFICATION OF THE MINISTRY OF NATURAL RESOURCES AND ENVIRONMENT B.E. 2559 (2016) AND INDUSTRIAL EFFLUENT STANDARDS, NOTIFICATION OF THE MINISTRY OF INDUSTRY B.E. 2560 (2017).

ND : NON-DETECTABLE.



(MISS BENJAWAN VIRIYOTHAI)  
LABORATORY SUPERVISOR

JULY 22, 2022



## ANALYSIS REPORT

**CUSTOMER NAME** : ROJANA INDUSTRIAL MANAGEMENT COMPANY LIMITED  
**ADDRESS** : 2034/115 26TH FLOOR ITALTHAI TOWER, NEW PETCHBURI ROAD BANG KAPI HUAI KHWANG BANGKOK 10310  
**CONTACT INFORMATION** : TEL : 0 2318 6788 e-mail : dusadee\_kpy@hotmail.com  
**SAMPLING SOURCE** : BOWIN  
**SAMPLE TYPE** : WASTEWATER  
**SAMPLING DATE** : JULY 21, 2022  
**SAMPLING TIME** : 10:55 HOUR  
**SAMPLING METHOD °** : GRAB  
**SAMPLING BY °** : MR NAPASIT SRIPIM  
**ANALYZED BY** : MISS AMONRAT PUTTALEE

**RECEIVED DATE** : JULY 21, 2022  
**ANALYTICAL DATE** : JULY 21 - AUGUST 2, 2022  
**REPORT NO.** : 2022-U059949  
**WORK NO.** : 2021-008810  
**ANALYSIS NO.** : T22AO470-0003

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	DETECTION LIMIT
			INFLUENT WWT#2 T22AO470-0003	
pH °	-	ELECTROMETRIC METHOD AT SITE (SM:4500-H° B)	7.0 (32°C)	-
ELECTRICAL CONDUCTIVITY °	µmhos/cm	ELECTRICAL CONDUCTIVITY METHOD AT SITE (SM: 2510 B)	3,930 (31°C)	0.1
TEMPERATURE °	°C	THERMOMETER AT SITE (SM: 2550 B)	32	-
DISSOLVED OXYGEN °	mg/L	MEMBRANE ELECTRODE METHOD AT SITE (SM: 4500-O G)	3.4	0.5
FLOW RATE* °	m³/s	CURRENT METER AND CALCULATION	-	-
BIOCHEMICAL OXYGEN DEMAND °	mg/L	MEMBRANE ELECTRODE METHOD (SM: 4500-O G AND 5210 B)	ND	2.0
CHEMICAL OXYGEN DEMAND °	mg/L	CLOSED REFLUX, COLOURIMETRIC METHOD (SM: 5220 D)	ND	25.0
TOTAL SUSPENDED SOLIDS °	mg/L	TOTAL SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: 2540 D)	21.1	5.0
TOTAL DISSOLVED SOLIDS °	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: 2540 C)	3,865	25
CHLORIDE °	mg/L Cl⁻	ARGENTOMETRIC METHOD (SM: 4500-Cl⁻ B)	291	2.0
SULPHIDE °	mg/L	IODOMETRIC METHOD (SM: 4500-S²⁻ F)	< 0.50	0.50
FLUORIDE °	mg/L F⁻	ION-SELECTIVE ELECTRODE METHOD (SM: 4500-F⁻ C)	5.56	0.04
TOTAL KJELDAHL NITROGEN °	mg/L	IN-HOUSE METHOD: UAE.TP.WAS.001 (KJELDAHL METHOD); SM: 4500-Norg C	6.3	1.5
FAT, OIL AND GREASE °	mg/L	SOXHLET EXTRACTION METHOD (SM: 5520 D)	ND	3
CYANIDE °	mg/L CN⁻	DISTILLATION, PYRIDINE-BARBITURIC ACID METHOD (SM: 4500-CN⁻ C AND 4500-CN⁻ E)	0.099	0.005
PHENOLS °	mg/L	DISTILLATION, 4-AMINOANTIPYRINE METHOD (SM: 5530 B AND 5530 D)	ND	0.1
FORMALDEHYDE °	mg/L	DISTILLATION AND COLOURIMETRIC METHOD	ND	0.05
RESIDUAL FREE CHLORINE °	mg/L Cl₂	MODIFIED DPD COLOURIMETRIC METHOD (AT SITE)	ND	0.1
<b>METALS</b>				
ARSENIC °	mg/L As	HYDRIDE GENERATION AAS METHOD (SM: 3114 C)	0.0020	0.0003
MERCURY °	mg/L Hg	COLD VAPOUR AAS METHOD (SM: 3112 B)	ND	0.0005
HEXAVALENT CHROMIUM °	mg/L Cr⁶⁺	COLOURIMETRIC METHOD (SM: 3500-Cr B)	ND	0.006
ALUMINUM °	mg/L Al	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	2.83	0.010



PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	DETECTION LIMIT
			INFLUENT WWT#2 T22A0470-0003	
CADMIUM <sup>c</sup>	mg/L Cd	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	ND	0.001
COPPER <sup>c</sup>	mg/L Cu	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	0.005	0.001
IRON <sup>c</sup>	mg/L Fe	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	0.080	0.002
LEAD <sup>c</sup>	mg/L Pb	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	ND	0.002
MANGANESE <sup>c</sup>	mg/L Mn	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	0.017	0.001
NICKEL <sup>c</sup>	mg/L Ni	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	0.001	0.001
SILVER <sup>c</sup>	mg/L Ag	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	ND	0.005
ZINC <sup>c</sup>	mg/L Zn	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	0.012	0.001
<b>SAMPLE CONDITION</b> WATER'S COLOUR/TURBID SEDIMENT			YELLOW/CLEAR YELLOW	

<sup>a</sup> : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

<sup>b</sup> : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

<sup>c</sup> : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

IN-HOUSE : BASED ON STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

\* : FLOW RATE CANNOT BE MEASURED.

ND : NON-DETECTABLE.

*Benjawan V.*

(MISS BENJAWAN VIRIYOTHA)  
LABORATORY SUPERVISOR

AUGUST 4, 2022



## ANALYSIS REPORT

**CUSTOMER NAME** : ROJANA INDUSTRIAL MANAGEMENT COMPANY LIMITED  
**ADDRESS** : 2034/115 26TH FLOOR ITALTHAI TOWER, NEW PETCHBURI ROAD BANG KAPI HUAI KHWANG BANGKOK 10310  
**CONTACT INFORMATION** : TEL : 0 2318 6788 e-mail : dusadee\_kpy@hotmail.com  
**SAMPLING SOURCE** : BOWIN  
**SAMPLE TYPE** : EFFLUENT  
**SAMPLING DATE** : JULY 21, 2022  
**SAMPLING TIME** : 10:45 HOUR  
**SAMPLING METHOD °** : GRAB  
**SAMPLING BY °** : MR NAPASIT SRIPIM  
**ANALYZED BY** : MISS AMONRAT PUTTALEE

**RECEIVED DATE** : JULY 21, 2022  
**ANALYTICAL DATE** : JULY 21 - AUGUST 2, 2022  
**REPORT NO.** : 2022-U059950  
**WORK NO.** : 2021-008810  
**ANALYSIS NO.** : T22AO470-0004

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			EFFLUENT WWT#2 T22AO470-0004		
pH °	-	ELECTROMETRIC METHOD AT SITE (SM:4500-H <sup>+</sup> B)	7.0 (30°C)	5.5-9.0	-
ELECTRICAL CONDUCTIVITY °	µmhos/cm	ELECTRICAL CONDUCTIVITY METHOD AT SITE (SM: 2510 B)	3,990 (30°C)	-	0.1
TEMPERATURE °	°C	THERMOMETER AT SITE (SM: 2550 B)	30	≤ 40	-
DISSOLVED OXYGEN °	mg/L	MEMBRANE ELECTRODE METHOD AT SITE (SM: 4500-O G)	3.2	-	0.5
FLOW RATE °	m³/s	CURRENT METER AND CALCULATION	-	-	-
BIOCHEMICAL OXYGEN DEMAND °	mg/L	MEMBRANE ELECTRODE METHOD (SM: 4500-O G AND 5210 B)	ND	≤ 20	2.0
CHEMICAL OXYGEN DEMAND °	mg/L	CLOSED REFLUX, COLOURIMETRIC METHOD (SM: 5220 D)	ND	≤ 120	25.0
TOTAL SUSPENDED SOLIDS °	mg/L	TOTAL SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: 2540 D)	16.3	≤ 50	5.0
TOTAL DISSOLVED SOLIDS °	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: 2540 C)	3,714	≤ 3,000	25
CHLORIDE °	mg/L Cl <sup>-</sup>	ARGENTOMETRIC METHOD (SM: 4500-Cl <sup>-</sup> B)	293	-	2.0
SULPHIDE °	mg/L	IODOMETRIC METHOD (SM: 4500-S <sup>2-</sup> F)	< 0.50	≤ 1	0.50
FLUORIDE °	mg/L F <sup>-</sup>	ION-SELECTIVE ELECTRODE METHOD (SM: 4500-F C)	7.57	-	0.04
TOTAL KJELDAHL NITROGEN °	mg/L	IN-HOUSE METHOD: UAE.TP.WAS.001 (KJELDAHL METHOD); SM: 4500-Norg C	< LOQ	≤ 100	1.5
FAT, OIL AND GREASE °	mg/L	SOXHLET EXTRACTION METHOD (SM: 5520 D)	ND	≤ 5	3
CYANIDE °	mg/L CN <sup>-</sup>	DISTILLATION, PYRIDINE-BARBITURIC ACID METHOD (SM: 4500-CN <sup>-</sup> C AND 4500-CN <sup>-</sup> E)	0.089	≤ 0.2	0.005
PHENOLS °	mg/L	DISTILLATION, 4-AMINOANTIPYRINE METHOD (SM: 5530 B AND 5530 D)	ND	≤ 1	0.1
FORMALDEHYDE °	mg/L	DISTILLATION AND COLOURIMETRIC METHOD	ND	≤ 1	0.05
RESIDUAL FREE CHLORINE °	mg/L Cl <sub>2</sub>	MODIFIED DPD COLOURIMETRIC METHOD (AT SITE)	ND	≤ 1	0.1





PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			EFFLUENT WWT#2 T22A0470-0004		
METALS					
ARSENIC °	mg/L As	HYDRIDE GENERATION AAS METHOD (SM: 3114 C)	0.0028	≤ 0.25	0.0003
MERCURY °	mg/L Hg	COLD VAPOUR AAS METHOD (SM: 3112 B)	ND	≤ 0.005	0.0005
HEXAVALENT CHROMIUM °	mg/L Cr <sup>6+</sup>	COLOURIMETRIC METHOD (SM: 3500-Cr B)	ND	≤ 0.25	0.006
ALUMINUM °	mg/L Al	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	2.60	-	0.010
CADMIUM °	mg/L Cd	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	ND	≤ 0.03	0.001
COPPER °	mg/L Cu	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	0.007	≤ 2.0	0.001
IRON °	mg/L Fe	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	0.088	-	0.002
LEAD °	mg/L Pb	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	ND	≤ 0.2	0.002
MANGANESE °	mg/L Mn	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	0.020	≤ 5.0	0.001
NICKEL °	mg/L Ni	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	0.002	≤ 1.0	0.001
SILVER °	mg/L Ag	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	ND	≤ 1.0	0.005

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			EFFLUENT WWT#2 T22A0470-0004		
ZINC <sup>c</sup>	mg/L Zn	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	0.018	≤ 5.0	0.001
<b>SAMPLE CONDITION</b>					
WATER'S COLOUR/TURBID			YELLOW/CLEAR		
SEDIMENT			YELLOW		

<sup>a</sup> : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

<sup>b</sup> : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

<sup>c</sup> : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

IN-HOUSE : BASED ON STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

REGULATORY STANDARD : STANDARD FOR CONTROL THE EFFLUENT FROM INDUSTRIAL PLANTS, INDUSTRIAL ESTATE AND INDUSTRIAL ZONES, NOTIFICATION OF THE MINISTRY OF NATURAL RESOURCES AND ENVIRONMENT B.E. 2559 (2016) AND INDUSTRIAL EFFLUENT STANDARDS, NOTIFICATION OF THE MINISTRY OF INDUSTRY B.E. 2560 (2017).

\* : FLOW RATE CANNOT BE MEASURED.

ND : NON-DETECTABLE.

< LOQ : < LIMIT OF QUANTITATION (TOTAL KJELDAHL NITROGEN ≥ 1.5 AND < 5.0 mg/L).

*Benjawan V.*

(MISS BENJAWAN VIRIYOTHAI)  
LABORATORY SUPERVISOR

AUGUST 4, 2022

## ANALYSIS REPORT

**CUSTOMER NAME** : ROJANA INDUSTRIAL MANAGEMENT COMPANY LIMITED  
**ADDRESS** : 2034/115 26TH FLOOR ITALTHAI TOWER, NEW PETCHBURI ROAD BANG KAPI HUAI KHWANG BANGKOK 10310  
**CONTACT INFORMATION** : TEL : 0 2318 6788 e-mail : dusadee\_kpy@hotmail.com  
**SAMPLING SOURCE** : BOWIN  
**SAMPLE TYPE** : EFFLUENT  
**SAMPLING DATE** : JULY 21, 2022  
**SAMPLING TIME** : 10:35 HOUR  
**SAMPLING METHOD °** : GRAB  
**SAMPLING BY °** : MR NAPASIT SRIPIM  
**ANALYZED BY** : MISS KALLAYA SOMPHONG

**RECEIVED DATE** : JULY 21, 2022  
**ANALYTICAL DATE** : JULY 21-28, 2022  
**REPORT NO.** : 2022-U059951  
**WORK NO.** : 2021-008810  
**ANALYSIS NO.** : T22AO470-0005

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			HOLDING POND T22AO470-0005		
pH °	-	ELECTROMETRIC METHOD AT SITE (SM:4500-H+ B)	6.9 (30°C)	5.5-9.0	-
BIOCHEMICAL OXYGEN DEMAND °	mg/L	MEMBRANE ELECTRODE METHOD (SM: 4500-O G AND 5210 B)	ND	≤ 20	2.0
CHEMICAL OXYGEN DEMAND °	mg/L	CLOSED REFLUX, COLOURIMETRIC METHOD (SM: 5220 D)	ND	≤ 120	25.0
FLUORIDE °	mg/L F <sup>-</sup>	ION-SELECTIVE ELECTRODE METHOD (SM: 4500-F- C)	7.53	-	0.04
NITRATE °	mg/L NO <sub>3</sub> <sup>-</sup>	CADMIUM REDUCTION METHOD (SM: 4500 -NO <sub>3</sub> - E)	802	-	0.09
METALS					
ARSENIC °	mg/L As	HYDRIDE GENERATION AAS METHOD (SM: 3114 C)	0.0008	≤ 0.25	0.0003
CADMIUM °	mg/L Cd	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	ND	≤ 0.03	0.001
CHROMIUM °	mg/L Cr	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	0.008	-	0.001





PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			HOLDING POND T22A0470-0005		
LEAD <sup>c</sup>	mg/L Pb	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	ND	≤ 0.2	0.002
<b>SAMPLE CONDITION</b> WATER'S COLOUR/TURBID SEDIMENT			COLOURLESS/CLEAR YELLOW		

<sup>a</sup> : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

<sup>b</sup> : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

<sup>c</sup> : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

REGULATORY STANDARD : STANDARD FOR CONTROL THE EFFLUENT FROM INDUSTRIAL PLANTS, INDUSTRIAL ESTATE AND INDUSTRIAL ZONES, NOTIFICATION OF THE MINISTRY OF NATURAL RESOURCES AND ENVIRONMENT B.E. 2559 (2016) AND INDUSTRIAL EFFLUENT STANDARDS, NOTIFICATION OF THE MINISTRY OF INDUSTRY B.E. 2560 (2017).

ND : NON-DETECTABLE.

*Benjawan V.*

(MISS BENJAWAN VIRIYOTHA)  
LABORATORY SUPERVISOR

AUGUST 4, 2022

## ANALYSIS REPORT

**CUSTOMER NAME** : ROJANA INDUSTRIAL MANAGEMENT COMPANY LIMITED  
**ADDRESS** : 2034/115 26TH FLOOR ITALTHAI TOWER, NEW PETCHBURI ROAD BANG KAPI HUAI KHWANG BANGKOK 10310  
**CONTACT INFORMATION** : TEL : 0 2318 6788 e-mail : dusadee\_kpy@hotmail.com  
**SAMPLING SOURCE** : BOWIN  
**SAMPLE TYPE** : WASTEWATER  
**SAMPLING DATE** : JULY 25, 2022  
**SAMPLING TIME** : 10:00 HOUR  
**SAMPLING METHOD °** : GRAB  
**SAMPLING BY °** : MR THANADET WANSANOR  
**ANALYZED BY** : MISS AMONRAT PUTTALEE

**RECEIVED DATE** : JULY 25, 2022  
**ANALYTICAL DATE** : JULY 25 - AUGUST 1, 2022  
**REPORT NO.** : 2022-U060049  
**WORK NO.** : 2021-008810  
**ANALYSIS NO.** : T22A0701-0003

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	DETECTION LIMIT
			INFLUENT T22A0701-0003	
pH °	-	ELECTROMETRIC METHOD AT SITE (SM:4500-H <sup>+</sup> B)	6.9 (33°C)	-
ELECTRICAL CONDUCTIVITY °	µmhos/cm	ELECTRICAL CONDUCTIVITY METHOD AT SITE (SM: 2510 B)	3,660 (33°C)	0.1
BIOCHEMICAL OXYGEN DEMAND °	mg/L	MEMBRANE ELECTRODE METHOD (SM: 4500-O G AND 5210 B)	2.1	2.0
CHEMICAL OXYGEN DEMAND °	mg/L	CLOSED REFLUX, COLOURIMETRIC METHOD (SM: 5220 D)	ND	25.0
TOTAL SUSPENDED SOLIDS °	mg/L	TOTAL SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: 2540 D)	15.8	5.0
TOTAL DISSOLVED SOLIDS °	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: 2540 C)	2,993	25
FLUORIDE °	mg/L F <sup>-</sup>	ION-SELECTIVE ELECTRODE METHOD (SM: 4500-F <sup>-</sup> C)	3.99	0.04
<b>SAMPLE CONDITION</b> WATER'S COLOUR/TURBID SEDIMENT			YELLOW/TURBID YELLOW	

° : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

° : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

° : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

ND : NON-DETECTABLE.

*Benjawan V.*

(MISS BENJAWAN VIRIYOTHA)  
LABORATORY SUPERVISOR

AUGUST 4, 2022



## ANALYSIS REPORT

**CUSTOMER NAME** : ROJANA INDUSTRIAL MANAGEMENT COMPANY LIMITED  
**ADDRESS** : 2034/115 26TH FLOOR ITALTHAI TOWER, NEW PETCHBURI ROAD BANG KAPI HUAI KHWANG BANGKOK 10310  
**CONTACT INFORMATION** : TEL : 0 2318 6788 e-mail : dusadee\_kpy@hotmail.com  
**SAMPLING SOURCE** : BOWIN  
**SAMPLE TYPE** : EFFLUENT  
**SAMPLING DATE** : JULY 25, 2022  
**SAMPLING TIME** : 09:55 HOUR  
**SAMPLING METHOD °** : GRAB  
**SAMPLING BY °** : MR THANADET WANSANOR  
**ANALYZED BY** : MISS AMONRAT PUTTALEE

**RECEIVED DATE** : JULY 25, 2022  
**ANALYTICAL DATE** : JULY 25 - AUGUST 1, 2022  
**REPORT NO.** : 2022-U060050  
**WORK NO.** : 2021-008810  
**ANALYSIS NO.** : T22AO701-0004

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			EFFLUENT T22AO701-0004		
pH °	-	ELECTROMETRIC METHOD AT SITE (SM:4500-H+ B)	7.2 (33°C)	5.5-9.0	-
ELECTRICAL CONDUCTIVITY °	µmhos/cm	ELECTRICAL CONDUCTIVITY METHOD AT SITE (SM: 2510 B)	4,130 (33°C)	-	0.1
BIOCHEMICAL OXYGEN DEMAND °	mg/L	MEMBRANE ELECTRODE METHOD (SM: 4500-O G AND 5210 B)	ND	≤ 20	2.0
CHEMICAL OXYGEN DEMAND °	mg/L	CLOSED REFLUX, COLOURIMETRIC METHOD (SM: 5220 D)	ND	≤ 120	25.0
TOTAL SUSPENDED SOLIDS °	mg/L	TOTAL SUSPENDED SOLIDS DRIED AT 103- 105 °C (SM: 2540 D)	21.8	≤ 50	5.0
TOTAL DISSOLVED SOLIDS °	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: 2540 C)	3,630	≤ 3,000	25
FLUORIDE °	mg/L F <sup>-</sup>	ION-SELECTIVE ELECTRODE METHOD (SM: 4500-F- C)	7.07	-	0.04
<b>SAMPLE CONDITION</b> WATER'S COLOUR/TURBID SEDIMENT			YELLOW/TURBID YELLOW		

° : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

° : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

° : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

REGULATORY STANDARD : STANDARD FOR CONTROL THE EFFLUENT FROM INDUSTRIAL PLANTS, INDUSTRIAL ESTATE AND INDUSTRIAL ZONES, NOTIFICATION OF THE MINISTRY OF NATURAL RESOURCES AND ENVIRONMENT B.E. 2559 (2016) AND INDUSTRIAL EFFLUENT STANDARDS, NOTIFICATION OF THE MINISTRY OF INDUSTRY B.E. 2560 (2017).

ND : NON-DETECTABLE.



(MISS BENJAWAN VIRIYOTHA)  
LABORATORY SUPERVISOR

AUGUST 4, 2022





## ANALYSIS REPORT

**CUSTOMER NAME** : ROJANA INDUSTRIAL MANAGEMENT COMPANY LIMITED  
**ADDRESS** : 2034/115 26TH FLOOR ITALTHAI TOWER, NEW PETCHBURI ROAD BANG KAPI HUAI KHWANG BANGKOK 10310  
**CONTACT INFORMATION** : TEL : 0 2318 6788 e-mail : dusadee\_kpy@hotmail.com  
**SAMPLING SOURCE** : BOWIN  
**SAMPLE TYPE** : EFFLUENT  
**SAMPLING DATE** : JULY 25, 2022  
**SAMPLING TIME** : 09:37 HOUR  
**SAMPLING METHOD °** : GRAB  
**SAMPLING BY °** : MR THANADET WANSANOR  
**ANALYZED BY** : MISS KALLAYA SOMPHONG

**RECEIVED DATE** : JULY 25, 2022  
**ANALYTICAL DATE** : JULY 25 - AUGUST 2, 2022  
**REPORT NO.** : 2022-U060051  
**WORK NO.** : 2021-008810  
**ANALYSIS NO.** : T22AO701-0005

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			HOLDING POND T22AO701-0005		
pH °	-	ELECTROMETRIC METHOD AT SITE (SM: 4500-H+ B)	7.5 (30°C)	5.5-9.0	-
BIOCHEMICAL OXYGEN DEMAND °	mg/L	MEMBRANE ELECTRODE METHOD (SM: 4500-O G AND 5210 B)	ND	≤ 20	2.0
CHEMICAL OXYGEN DEMAND °	mg/L	CLOSED REFLUX, COLOURIMETRIC METHOD (SM: 5220 D)	ND	≤ 120	25.0
FLUORIDE °	mg/L F <sup>-</sup>	ION-SELECTIVE ELECTRODE METHOD (SM: 4500-F- C)	7.33	-	0.04
NITRATE °	mg/L NO <sub>3</sub> <sup>-</sup>	CADMIUM REDUCTION METHOD (SM: 4500 -NO <sub>3</sub> E)	939	-	0.09
METALS					
ARSENIC °	mg/L As	HYDRIDE GENERATION AAS METHOD (SM: 3114 C)	0.0014	≤ 0.25	0.0003
CADMIUM °	mg/L Cd	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	ND	≤ 0.03	0.001
CHROMIUM °	mg/L Cr	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	0.011	-	0.001





PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			HOLDING POND T22A0701-0005		
LEAD °	mg/L Pb	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	0.002	≤ 0.2	0.002
<b>SAMPLE CONDITION</b> WATER'S COLOUR/TURBID SEDIMENT			YELLOW/CLEAR YELLOW		

<sup>a</sup> : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

<sup>b</sup> : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

<sup>c</sup> : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

REGULATORY STANDARD : STANDARD FOR CONTROL THE EFFLUENT FROM INDUSTRIAL PLANTS, INDUSTRIAL ESTATE AND INDUSTRIAL ZONES, NOTIFICATION OF THE MINISTRY OF NATURAL RESOURCES AND ENVIRONMENT B.E. 2559 (2016) AND INDUSTRIAL EFFLUENT STANDARDS, NOTIFICATION OF THE MINISTRY OF INDUSTRY B.E. 2560 (2017).

ND : NON-DETECTABLE.

*Benjawan V.*

(MISS BENJAWAN VIRIYOTHAJ)  
LABORATORY SUPERVISOR

AUGUST 4, 2022

## ANALYSIS REPORT

**CUSTOMER NAME** : ROJANA INDUSTRIAL MANAGEMENT COMPANY LIMITED  
**ADDRESS** : 2034/115 26TH FLOOR ITALTHAI TOWER, NEW PETCHBURI ROAD BANG KAPI HUAI KHWANG BANGKOK 10310  
**CONTACT INFORMATION** : TEL : 0 2318 6788 e-mail : dusadee\_kpy@hotmail.com  
**SAMPLING SOURCE** : BOWIN  
**SAMPLE TYPE** : WASTEWATER  
**SAMPLING DATE** : AUGUST 2, 2022  
**SAMPLING TIME** : 11:31 HOUR  
**SAMPLING METHOD <sup>c</sup>** : GRAB  
**SAMPLING BY <sup>c</sup>** : MR KITIPONG SONCHAIYAPHUM  
**ANALYZED BY** : MISS AMONRAT PUTTALEE  
**RECEIVED DATE** : AUGUST 3, 2022  
**ANALYTICAL DATE** : AUGUST 3-9, 2022  
**REPORT NO.** : 2022-U062567  
**WORK NO.** : 2021-008810  
**ANALYSIS NO.** : T22AP150-0003

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	DETECTION LIMIT
			INFLUENT T22AP150-0003	
pH <sup>c</sup>	-	ELECTROMETRIC METHOD AT SITE (SM:4500-H* B)	7.4 (30°C)	-
ELECTRICAL CONDUCTIVITY <sup>c</sup>	µmhos/cm	ELECTRICAL CONDUCTIVITY METHOD AT SITE (SM: 2510 B)	1,460 (31°C)	0.1
BIOCHEMICAL OXYGEN DEMAND <sup>a</sup>	mg/L	MEMBRANE ELECTRODE METHOD (SM: 4500-O G AND 5210 B)	2.8	2.0
CHEMICAL OXYGEN DEMAND <sup>a</sup>	mg/L	CLOSED REFLUX, COLOURIMETRIC METHOD (SM: 5220 D)	ND	25.0
TOTAL SUSPENDED SOLIDS <sup>a</sup>	mg/L	TOTAL SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: 2540 D)	15.3	5.0
TOTAL DISSOLVED SOLIDS <sup>b</sup>	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: 2540 C)	1,450	25
FLUORIDE <sup>c</sup>	mg/L F <sup>-</sup>	ION-SELECTIVE ELECTRODE METHOD (SM: 4500-F <sup>-</sup> C)	5.29	0.04
<b>SAMPLE CONDITION</b> WATER'S COLOUR/TURBID SEDIMENT			YELLOW/TURBID YELLOW	

<sup>a</sup> : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

<sup>b</sup> : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

<sup>c</sup> : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

ND : NON-DETECTABLE.

*Benjawan V.*

(MISS BENJAWAN VIRIYOTHA)  
LABORATORY SUPERVISOR

AUGUST 16, 2022



## ANALYSIS REPORT

**CUSTOMER NAME** : ROJANA INDUSTRIAL MANAGEMENT COMPANY LIMITED  
**ADDRESS** : 2034/115 26TH FLOOR ITALTHAI TOWER, NEW PETCHBURI ROAD BANG KAPI HUAI KHWANG BANGKOK 10310  
**CONTACT INFORMATION** : TEL : 0 2318 6788 e-mail : dusadee\_kpy@hotmail.com  
**SAMPLING SOURCE** : BOWIN  
**SAMPLE TYPE** : EFFLUENT  
**SAMPLING DATE** : AUGUST 2, 2022  
**SAMPLING TIME** : 11:23 HOUR  
**SAMPLING METHOD <sup>c</sup>** : GRAB  
**SAMPLING BY <sup>c</sup>** : MR KITIPONG SONCHAIYAPHUM  
**ANALYZED BY** : MISS AMONRAT PUTTALEE

**RECEIVED DATE** : AUGUST 3, 2022  
**ANALYTICAL DATE** : AUGUST 3-9, 2022  
**REPORT NO.** : 2022-U062568  
**WORK NO.** : 2021-008810  
**ANALYSIS NO.** : T22AP150-0004

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			EFFLUENT T22AP150-0004		
pH <sup>c</sup>	-	ELECTROMETRIC METHOD AT SITE (SM:4500-H <sup>+</sup> B)	7.2 (30°C)	5.5-9.0	-
ELECTRICAL CONDUCTIVITY <sup>c</sup>	µmhos/cm	ELECTRICAL CONDUCTIVITY METHOD AT SITE (SM: 2510 B)	2,900 (30°C)	-	0.1
BIOCHEMICAL OXYGEN DEMAND <sup>a</sup>	mg/L	MEMBRANE ELECTRODE METHOD (SM: 4500-O <sub>2</sub> G AND 5210 B)	7.5	≤ 20	2.0
CHEMICAL OXYGEN DEMAND <sup>a</sup>	mg/L	CLOSED REFLUX, COLOURIMETRIC METHOD (SM: 5220 D)	ND	≤ 120	25.0
TOTAL SUSPENDED SOLIDS <sup>a</sup>	mg/L	TOTAL SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: 2540 D)	22.6	≤ 50	5.0
TOTAL DISSOLVED SOLIDS <sup>b</sup>	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: 2540 C)	3,285	≤ 3,000	25
FLUORIDE <sup>c</sup>	mg/L F <sup>-</sup>	ION-SELECTIVE ELECTRODE METHOD (SM: 4500-F <sup>-</sup> C)	6.86	-	0.04
<b>SAMPLE CONDITION</b> WATER'S COLOUR/TURBID SEDIMENT			YELLOW/TURBID YELLOW		

<sup>a</sup> : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

<sup>b</sup> : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

<sup>c</sup> : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

REGULATORY STANDARD : STANDARD FOR CONTROL THE EFFLUENT FROM INDUSTRIAL PLANTS, INDUSTRIAL ESTATE AND INDUSTRIAL ZONES, NOTIFICATION OF THE MINISTRY OF NATURAL RESOURCES AND ENVIRONMENT B.E. 2559 (2016) AND INDUSTRIAL EFFLUENT STANDARDS, NOTIFICATION OF THE MINISTRY OF INDUSTRY B.E. 2560 (2017).

ND : NON-DETECTABLE.

*Benjawan V.*

(MISS BENJAWAN VIRIYOTHAI)  
LABORATORY SUPERVISOR

AUGUST 16, 2022





## ANALYSIS REPORT

**CUSTOMER NAME** : ROJANA INDUSTRIAL MANAGEMENT COMPANY LIMITED  
**ADDRESS** : 2034/115 26TH FLOOR ITALTHAI TOWER, NEW PETCHBURI ROAD BANG KAPI HUAI KHWANG BANGKOK 10310  
**CONTACT INFORMATION** : TEL : 0 2318 6788 e-mail : dusadee\_kpy@hotmail.com  
**SAMPLING SOURCE** : BOWIN  
**SAMPLE TYPE** : EFFLUENT  
**SAMPLING DATE** : AUGUST 2, 2022  
**SAMPLING TIME** : 11:11 HOUR  
**SAMPLING METHOD °** : GRAB  
**SAMPLING BY °** : MR KITIPONG SONCHAIYAPHUM  
**ANALYZED BY** : MISS KALLAYA SOMPHONG

**RECEIVED DATE** : AUGUST 3, 2022  
**ANALYTICAL DATE** : AUGUST 3-9, 2022  
**REPORT NO.** : 2022-U062569  
**WORK NO.** : 2021-008810  
**ANALYSIS NO.** : T22AP150-0005

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			HOLDING POND T22AP150-0005		
pH °	-	ELECTROMETRIC METHOD AT SITE (SM:4500-H° B)	7.7 (30°C)	5.5-9.0	-
BIOCHEMICAL OXYGEN DEMAND °	mg/L	MEMBRANE ELECTRODE METHOD (SM: 4500-O G AND 5210 B)	ND	≤ 20	2.0
CHEMICAL OXYGEN DEMAND °	mg/L	CLOSED REFLUX, COLOURIMETRIC METHOD (SM: 5220 D)	ND	≤ 120	25.0
FLUORIDE °	mg/L F-	ION-SELECTIVE ELECTRODE METHOD (SM: 4500-F C)	7.36	-	0.04
NITRATE °	mg/L NO <sub>3</sub> -	CADMIUM REDUCTION METHOD (SM: 4500 -NO <sub>3</sub> - E)	274	-	0.09
METALS					
ARSENIC °	mg/L As	HYDRIDE GENERATION AAS METHOD (SM: 3114 C)	0.0004	≤ 0.25	0.0003
CADMIUM °	mg/L Cd	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	ND	≤ 0.03	0.001
CHROMIUM °	mg/L Cr	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	0.010	-	0.001



PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			HOLDING POND T22AP150-0005		
LEAD <sup>c</sup>	mg/L Pb	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	ND	≤ 0.2	0.002
<b>SAMPLE CONDITION</b> WATER'S COLOUR/TURBID SEDIMENT			COLOURLESS/CLEAR		

<sup>a</sup> : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

<sup>b</sup> : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

<sup>c</sup> : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

REGULATORY STANDARD : STANDARD FOR CONTROL THE EFFLUENT FROM INDUSTRIAL PLANTS, INDUSTRIAL ESTATE AND INDUSTRIAL ZONES, NOTIFICATION OF THE MINISTRY OF NATURAL RESOURCES AND ENVIRONMENT B.E. 2559 (2016) AND INDUSTRIAL EFFLUENT STANDARDS, NOTIFICATION OF THE MINISTRY OF INDUSTRY B.E. 2560 (2017).

ND : NON-DETECTABLE.

*Benjawan V.*

(MISS BENJAWAN VIRIYOTHAI)  
LABORATORY SUPERVISOR

AUGUST 16, 2022

## ANALYSIS REPORT

**CUSTOMER NAME** : ROJANA INDUSTRIAL MANAGEMENT COMPANY LIMITED  
**ADDRESS** : 2034/115 26TH FLOOR ITALTHAI TOWER, NEW PETCHBURI ROAD BANG KAPI HUAI KHWANG BANGKOK 10310  
**CONTACT INFORMATION** : TEL : 0 2318 6788 e-mail : dusadee\_kpy@hotmail.com  
**SAMPLING SOURCE** : BOWIN  
**SAMPLE TYPE** : WASTEWATER  
**SAMPLING DATE** : AUGUST 11, 2022  
**SAMPLING TIME** : 10:50 HOUR  
**SAMPLING METHOD <sup>c</sup>** : GRAB  
**SAMPLING BY <sup>c</sup>** : MR CHAI BUASOD  
**ANALYZED BY** : MISS PORNPIMOL WAENTHONG  
**RECEIVED DATE** : AUGUST 11, 2022  
**ANALYTICAL DATE** : AUGUST 11-18, 2022  
**REPORT NO.** : 2022-U065198  
**WORK NO.** : 2021-008810  
**ANALYSIS NO.** : T22AP899-0003

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	DETECTION LIMIT
			INFLUENT T22AP899-0003	
pH <sup>c</sup>	-	ELECTROMETRIC METHOD AT SITE (SM:4500-H <sup>+</sup> B)	7.1 (31°C)	-
ELECTRICAL CONDUCTIVITY <sup>c</sup>	µmhos/cm	ELECTRICAL CONDUCTIVITY METHOD AT SITE (SM: 2510 B)	5,100 (31°C)	0.1
BIOCHEMICAL OXYGEN DEMAND <sup>a</sup>	mg/L	MEMBRANE ELECTRODE METHOD (SM: 4500-O <sub>2</sub> G AND 5210 B)	ND	2.0
CHEMICAL OXYGEN DEMAND <sup>a</sup>	mg/L	CLOSED REFLUX, COLOURIMETRIC METHOD (SM: 5220 D)	ND	25.0
TOTAL SUSPENDED SOLIDS <sup>a</sup>	mg/L	TOTAL SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: 2540 D)	16.5	5.0
TOTAL DISSOLVED SOLIDS <sup>b</sup>	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: 2540 C)	3,959	25
FLUORIDE <sup>c</sup>	mg/L F <sup>-</sup>	ION-SELECTIVE ELECTRODE METHOD (SM: 4500-F C)	8.59	0.04
<b>SAMPLE CONDITION</b> WATER'S COLOUR/TURBID SEDIMENT			YELLOW/CLEAR YELLOW	

<sup>a</sup> : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

<sup>b</sup> : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

<sup>c</sup> : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

ND : NON-DETECTABLE.

*Benjawan V.*

(MISS BENJAWAN VIRIYOTHAI)  
LABORATORY SUPERVISOR

AUGUST 24, 2022





## ANALYSIS REPORT

**CUSTOMER NAME** : ROJANA INDUSTRIAL MANAGEMENT COMPANY LIMITED  
**ADDRESS** : 2034/115 26TH FLOOR ITALTHAI TOWER, NEW PETCHBURI ROAD BANG KAPI HUAI KHWANG BANGKOK 10310  
**CONTACT INFORMATION** : TEL : 0 2318 6788 e-mail : dusadee\_kpy@hotmail.com  
**SAMPLING SOURCE** : BOWIN  
**SAMPLE TYPE** : EFFLUENT  
**SAMPLING DATE** : AUGUST 11, 2022  
**SAMPLING TIME** : 10:45 HOUR  
**SAMPLING METHOD <sup>c</sup>** : GRAB  
**SAMPLING BY <sup>c</sup>** : MR CHAI BUASOD  
**ANALYZED BY** : MISS PORNPIMOL WAENTHONG

**RECEIVED DATE** : AUGUST 11, 2022  
**ANALYTICAL DATE** : AUGUST 11-18, 2022  
**REPORT NO.** : 2022-U065199  
**WORK NO.** : 2021-008810  
**ANALYSIS NO.** : T22AP899-0004

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			EFFLUENT T22AP899-0004		
pH <sup>c</sup>	-	ELECTROMETRIC METHOD AT SITE (SM:4500-H <sup>+</sup> B)	7.7 (31°C)	5.5-9.0	-
ELECTRICAL CONDUCTIVITY <sup>c</sup>	µmhos/cm	ELECTRICAL CONDUCTIVITY METHOD AT SITE (SM: 2510 B)	5,610 (31°C)	-	0.1
BIOCHEMICAL OXYGEN DEMAND <sup>a</sup>	mg/L	MEMBRANE ELECTRODE METHOD (SM: 4500-O G AND 5210 B)	2.0	≤ 20	2.0
CHEMICAL OXYGEN DEMAND <sup>a</sup>	mg/L	CLOSED REFLUX, COLOURIMETRIC METHOD (SM: 5220 D)	ND	≤ 120	25.0
TOTAL SUSPENDED SOLIDS <sup>a</sup>	mg/L	TOTAL SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: 2540 D)	16.6	≤ 50	5.0
TOTAL DISSOLVED SOLIDS <sup>b</sup>	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: 2540 C)	4,485	≤ 3,000	25
FLUORIDE <sup>c</sup>	mg/L F <sup>-</sup>	ION-SELECTIVE ELECTRODE METHOD (SM: 4500-F C)	8.23	-	0.04
<b>SAMPLE CONDITION</b> WATER'S COLOUR/TURBID SEDIMENT			YELLOW/CLEAR YELLOW		

<sup>a</sup> : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

<sup>b</sup> : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

<sup>c</sup> : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

REGULATORY STANDARD : STANDARD FOR CONTROL THE EFFLUENT FROM INDUSTRIAL PLANTS, INDUSTRIAL ESTATE AND INDUSTRIAL ZONES, NOTIFICATION OF THE MINISTRY OF NATURAL RESOURCES AND ENVIRONMENT B.E. 2559 (2016) AND INDUSTRIAL EFFLUENT STANDARDS, NOTIFICATION OF THE MINISTRY OF INDUSTRY B.E. 2560 (2017).

ND : NON-DETECTABLE.

*Benjawan V.*

(MISS BENJAWAN VIRIYOTHA)  
LABORATORY SUPERVISOR

AUGUST 24, 2022





## ANALYSIS REPORT

<b>CUSTOMER NAME</b>	: ROJANA INDUSTRIAL MANAGEMENT COMPANY LIMITED	<b>RECEIVED DATE</b>	: AUGUST 11, 2022
<b>ADDRESS</b>	: 2034/115 26TH FLOOR ITALTHAI TOWER, NEW PETCHBURI ROAD BANG KAPI HUAI KHWANG BANGKOK 10310	<b>ANALYTICAL DATE</b>	: AUGUST 11-19, 2022
<b>CONTACT INFORMATION</b>	: TEL : 0 2318 6788 e-mail : dusadee_kpy@hotmail.com	<b>REPORT NO.</b>	: 2022-U065200
<b>SAMPLING SOURCE</b>	: BOWIN	<b>WORK NO.</b>	: 2021-008810
<b>SAMPLE TYPE</b>	: EFFLUENT	<b>ANALYSIS NO.</b>	: T22AP899-0005
<b>SAMPLING DATE</b>	: AUGUST 11, 2022		
<b>SAMPLING TIME</b>	: 10:40 HOUR		
<b>SAMPLING METHOD °</b>	: GRAB		
<b>SAMPLING BY °</b>	: MR CHAI BUASOD		
<b>ANALYZED BY</b>	: MISS AKSARIN BUNKONG		

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			HOLDING POND T22AP899-0005		
pH °	-	ELECTROMETRIC METHOD AT SITE (SM:4500-H° B)	8.2 (31°C)	5.5-9.0	-
BIOCHEMICAL OXYGEN DEMAND °	mg/L	MEMBRANE ELECTRODE METHOD (SM: 4500-O G AND 5210 B)	ND	≤ 20	2.0
CHEMICAL OXYGEN DEMAND °	mg/L	CLOSED REFLUX, COLOURIMETRIC METHOD (SM: 5220 D)	ND	≤ 120	25.0
FLUORIDE °	mg/L F°	ION-SELECTIVE ELECTRODE METHOD (SM: 4500-F C)	7.87	-	0.04
NITRATE °	mg/L NO <sub>3</sub> °	CADMIUM REDUCTION METHOD (SM: 4500 -NO <sub>3</sub> ° E)	253	-	0.09
METALS					
ARSENIC °	mg/L As	HYDRIDE GENERATION AAS METHOD (SM: 3114 C)	0.0014	≤ 0.25	0.0003
CADMIUM °	mg/L Cd	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	ND	≤ 0.03	0.001
CHROMIUM °	mg/L Cr	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	0.009	-	0.001



PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			HOLDING POND T22AP899-0005		
LEAD <sup>c</sup>	mg/L Pb	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	ND	≤ 0.2	0.002
<b>SAMPLE CONDITION</b> WATER'S COLOUR/TURBID SEDIMENT			YELLOW/CLEAR YELLOW		

<sup>a</sup> : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

<sup>b</sup> : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

<sup>c</sup> : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

REGULATORY STANDARD : STANDARD FOR CONTROL THE EFFLUENT FROM INDUSTRIAL PLANTS, INDUSTRIAL ESTATE AND  
INDUSTRIAL ZONES, NOTIFICATION OF THE MINISTRY OF NATURAL RESOURCES AND ENVIRONMENT  
B.E. 2559 (2016) AND INDUSTRIAL EFFLUENT STANDARDS, NOTIFICATION OF THE MINISTRY  
OF INDUSTRY B.E. 2560 (2017).

ND : NON-DETECTABLE.

*Benjawan V.*

(MISS BENJAWAN VIRIYOTHAI)  
LABORATORY SUPERVISOR

AUGUST 24, 2022



## ANALYSIS REPORT

**CUSTOMER NAME** : ROJANA INDUSTRIAL MANAGEMENT COMPANY LIMITED  
**ADDRESS** : 2034/115 26TH FLOOR ITALTHAI TOWER, NEW PETCHBURI ROAD BANG KAPI HUAI KHWANG BANGKOK 10310  
**CONTACT INFORMATION** : TEL : 0 2318 6788 e-mail : dusadee\_kpy@hotmail.com  
**SAMPLING SOURCE** : BOWIN  
**SAMPLE TYPE** : WASTEWATER  
**SAMPLING DATE** : AUGUST 18, 2022  
**SAMPLING TIME** : 11:11 HOUR  
**SAMPLING METHOD** : GRAB  
**SAMPLING BY** : MR PANUWAT PUMITINSEE  
**ANALYZED BY** : MISS AMONRAT PUTTALEE

**RECEIVED DATE** : AUGUST 19, 2022  
**ANALYTICAL DATE** : AUGUST 19-30, 2022  
**REPORT NO.** : 2022-U067447  
**WORK NO.** : 2021-008810  
**ANALYSIS NO.** : T22AQ282-0003

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	DETECTION LIMIT
			INFLUENT T22AQ282-0003	
pH <sup>a</sup>	-	ELECTROMETRIC METHOD AT SITE (SM:4500-H <sup>+</sup> B)	6.6 (33°C)	-
ELECTRICAL CONDUCTIVITY <sup>c</sup>	µmhos/cm	ELECTRICAL CONDUCTIVITY METHOD AT SITE (SM: 2510 B)	4,270 (32°C)	0.1
TEMPERATURE <sup>c</sup>	°C	THERMOMETER AT SITE (SM: 2550 B)	33	-
DISSOLVED OXYGEN <sup>c</sup>	mg/L	MEMBRANE ELECTRODE METHOD AT SITE (SM: 4500-O G)	5.8	0.5
FLOW RATE <sup>c</sup>	m³/s	CURRENT METER AND CALCULATION	-	-
BIOCHEMICAL OXYGEN DEMAND <sup>a</sup>	mg/L	MEMBRANE ELECTRODE METHOD (SM: 4500-O G AND 5210 B)	ND	2.0
CHEMICAL OXYGEN DEMAND <sup>a</sup>	mg/L	CLOSED REFLUX, COLOURIMETRIC METHOD (SM: 5220 D)	ND	25.0
TOTAL SUSPENDED SOLIDS <sup>a</sup>	mg/L	TOTAL SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: 2540 D)	21.6	5.0
TOTAL DISSOLVED SOLIDS <sup>b</sup>	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: 2540 C)	4,391	25
CHLORIDE <sup>c</sup>	mg/L Cl <sup>-</sup>	ARGENTOMETRIC METHOD (SM: 4500-Cl <sup>-</sup> B)	261	2.0
SULPHIDE <sup>b</sup>	mg/L	IODOMETRIC METHOD (SM: 4500-S <sup>2-</sup> F)	< 0.50	0.50
FLUORIDE <sup>c</sup>	mg/L F <sup>-</sup>	ION-SELECTIVE ELECTRODE METHOD (SM: 4500-F <sup>-</sup> C)	6.67	0.04
TOTAL KJELDAHL NITROGEN <sup>b</sup>	mg/L	IN-HOUSE METHOD: UAE.TP.WAS.001 (KJELDAHL METHOD); SM: 4500-Norg C	6.3	1.5
FAT, OIL AND GREASE <sup>c</sup>	mg/L	SOXHLET EXTRACTION METHOD (SM: 5520 D)	ND	3
CYANIDE <sup>c</sup>	mg/L CN <sup>-</sup>	DISTILLATION, PYRIDINE-BARBITURIC ACID METHOD (SM: 4500-CN <sup>-</sup> C AND 4500-CN <sup>-</sup> E)	0.280	0.005
PHENOLS <sup>c</sup>	mg/L	DISTILLATION, 4-AMINOANTIPYRINE METHOD (SM: 5530 B AND 5530 D)	ND	0.1
FORMALDEHYDE <sup>c</sup>	mg/L	DISTILLATION AND COLOURIMETRIC METHOD	ND	0.05
RESIDUAL FREE CHLORINE <sup>c</sup>	mg/L Cl <sub>2</sub>	MODIFIED DPD COLOURIMETRIC METHOD (AT SITE)	ND	0.1
<b>METALS</b>				
ARSENIC <sup>c</sup>	mg/L As	HYDRIDE GENERATION AAS METHOD (SM: 3114 C)	0.0015	0.0003
MERCURY <sup>c</sup>	mg/L Hg	COLD VAPOUR AAS METHOD (SM: 3112 B)	ND	0.0005
HEXAVALENT CHROMIUM <sup>c</sup>	mg/L Cr <sup>6+</sup>	COLOURIMETRIC METHOD (SM: 3500-Cr B)	ND	0.006
ALUMINUM <sup>c</sup>	mg/L Al	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	3.81	0.010



PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	DETECTION LIMIT
			INFLUENT T22AQ282-0003	
CADMIUM <sup>c</sup>	mg/L Cd	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	0.001	0.001
COPPER <sup>c</sup>	mg/L Cu	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	0.007	0.001
IRON <sup>c</sup>	mg/L Fe	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	0.046	0.002
LEAD <sup>c</sup>	mg/L Pb	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	ND	0.002
MANGANESE <sup>c</sup>	mg/L Mn	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	0.038	0.001
NICKEL <sup>c</sup>	mg/L Ni	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	0.003	0.001
SILVER <sup>c</sup>	mg/L Ag	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	ND	0.005
ZINC <sup>c</sup>	mg/L Zn	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	0.027	0.001
<b>SAMPLE CONDITION</b> WATER'S COLOUR/TURBID SEDIMENT			YELLOW/CLEAR GREEN	

<sup>a</sup> : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

<sup>b</sup> : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

<sup>c</sup> : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

IN-HOUSE : BASED ON STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

\* : FLOW RATE CANNOT BE MEASURED.

ND : NON-DETECTABLE.

*Benjawan V.*

(MISS BENJAWAN VIRIYOTHA)  
LABORATORY SUPERVISOR

AUGUST 31, 2022



## ANALYSIS REPORT

**CUSTOMER NAME** : ROJANA INDUSTRIAL MANAGEMENT COMPANY LIMITED  
**ADDRESS** : 2034/115 26TH FLOOR ITALTHAI TOWER, NEW PETCHBURI ROAD BANG KAPI HUAI KHWANG BANGKOK 10310  
**CONTACT INFORMATION** : TEL : 0 2318 6788 e-mail : dusadee\_kpy@hotmail.com  
**SAMPLING SOURCE** : BOWIN  
**SAMPLE TYPE** : EFFLUENT  
**SAMPLING DATE** : AUGUST 18, 2022  
**SAMPLING TIME** : 11:00 HOUR  
**SAMPLING METHOD** : GRAB  
**SAMPLING BY** : MR PANUWAT PUMITINSEE  
**ANALYZED BY** : MISS AMONRAT PUTTALEE

**RECEIVED DATE** : AUGUST 19, 2022  
**ANALYTICAL DATE** : AUGUST 19-30, 2022  
**REPORT NO.** : 2022-U067448  
**WORK NO.** : 2021-008810  
**ANALYSIS NO.** : T22AQ282-0004

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			EFFLUENT T22AQ282-0004		
pH <sup>a</sup>	-	ELECTROMETRIC METHOD AT SITE (SM:4500-H <sup>+</sup> B)	7.1 (32°C)	5.5-9.0	-
ELECTRICAL CONDUCTIVITY <sup>c</sup>	µmhos/cm	ELECTRICAL CONDUCTIVITY METHOD AT SITE (SM: 2510 B)	4,980 (32°C)	-	0.1
TEMPERATURE <sup>c</sup>	°C	THERMOMETER AT SITE (SM: 2550 B)	32	≤ 40	-
DISSOLVED OXYGEN <sup>c</sup>	mg/L	MEMBRANE ELECTRODE METHOD AT SITE (SM: 4500-O G)	5.1	-	0.5
FLOW RATE <sup>c</sup>	m³/s	CURRENT METER AND CALCULATION	-	-	-
BIOCHEMICAL OXYGEN DEMAND <sup>a</sup>	mg/L	MEMBRANE ELECTRODE METHOD (SM: 4500-O G AND 5210 B)	ND	≤ 20	2.0
CHEMICAL OXYGEN DEMAND <sup>a</sup>	mg/L	CLOSED REFLUX, COLOURIMETRIC METHOD (SM: 5220 D)	ND	≤ 120	25.0
TOTAL SUSPENDED SOLIDS <sup>a</sup>	mg/L	TOTAL SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: 2540 D)	38.6	≤ 50	5.0
TOTAL DISSOLVED SOLIDS <sup>b</sup>	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: 2540 C)	3,603	≤ 3,000	25
CHLORIDE <sup>c</sup>	mg/L Cl <sup>-</sup>	ARGENTOMETRIC METHOD (SM: 4500-Cl <sup>-</sup> B)	224	-	2.0
SULPHIDE <sup>b</sup>	mg/L	IODOMETRIC METHOD (SM: 4500-S <sup>2-</sup> F)	< 0.50	≤ 1	0.50
FLUORIDE <sup>c</sup>	mg/L F <sup>-</sup>	ION-SELECTIVE ELECTRODE METHOD (SM: 4500-F <sup>-</sup> C)	4.76	-	0.04
TOTAL KJELDAHL NITROGEN <sup>b</sup>	mg/L	IN-HOUSE METHOD: UAE.TP.WAS.001 (KJELDAHL METHOD); SM: 4500-Norg C	< LOQ	≤ 100	1.5
FAT, OIL AND GREASE <sup>c</sup>	mg/L	SOXHLET EXTRACTION METHOD (SM: 5520 D)	ND	≤ 5	3
CYANIDE <sup>c</sup>	mg/L CN <sup>-</sup>	DISTILLATION, PYRIDINE-BARBITURIC ACID METHOD (SM: 4500-CN <sup>-</sup> C AND 4500 -CN <sup>-</sup> E)	0.326	≤ 0.2	0.005
PHENOLS <sup>c</sup>	mg/L	DISTILLATION, 4-AMINOANTIPYRINE METHOD (SM: 5530 B AND 5530 D)	ND	≤ 1	0.1
FORMALDEHYDE <sup>c</sup>	mg/L	DISTILLATION AND COLOURIMETRIC METHOD	ND	≤ 1	0.05
RESIDUAL FREE CHLORINE <sup>c</sup>	mg/L Cl <sub>2</sub>	MODIFIED DPD COLOURIMETRIC METHOD (AT SITE)	ND	≤ 1	0.1



PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			EFFLUENT T22AQ282-0004		
METALS					
ARSENIC <sup>c</sup>	mg/L As	HYDRIDE GENERATION AAS METHOD (SM: 3114 C)	0.0024	≤ 0.25	0.0003
MERCURY <sup>c</sup>	mg/L Hg	COLD VAPOUR AAS METHOD (SM: 3112 B)	ND	≤ 0.005	0.0005
HEXAVALENT CHROMIUM <sup>c</sup>	mg/L Cr <sup>6+</sup>	COLOURIMETRIC METHOD (SM: 3500-Cr B)	ND	≤ 0.25	0.006
ALUMINUM <sup>c</sup>	mg/L Al	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	7.45	-	0.010
CADMIUM <sup>c</sup>	mg/L Cd	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	ND	≤ 0.03	0.001
COPPER <sup>c</sup>	mg/L Cu	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	0.005	≤ 2.0	0.001
IRON <sup>c</sup>	mg/L Fe	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	0.122	-	0.002
LEAD <sup>c</sup>	mg/L Pb	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	ND	≤ 0.2	0.002
MANGANESE <sup>c</sup>	mg/L Mn	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	0.036	≤ 5.0	0.001
NICKEL <sup>c</sup>	mg/L Ni	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	0.003	≤ 1.0	0.001
SILVER <sup>c</sup>	mg/L Ag	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	ND	-	0.005



PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			EFFLUENT T22AQ282-0004		
ZINC <sup>c</sup>	mg/L Zn	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	0.018	≤ 5.0	0.001
<b>SAMPLE CONDITION</b> WATER'S COLOUR/TURBID SEDIMENT			WHITE/TURBID YELLOW		

<sup>a</sup> : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

<sup>b</sup> : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

<sup>c</sup> : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

IN-HOUSE : BASED ON STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

REGULATORY STANDARD : STANDARD FOR CONTROL THE EFFLUENT FROM INDUSTRIAL PLANTS, INDUSTRIAL ESTATE AND INDUSTRIAL ZONES, NOTIFICATION OF THE MINISTRY OF NATURAL RESOURCES AND ENVIRONMENT B.E. 2559 (2016) AND INDUSTRIAL EFFLUENT STANDARDS, NOTIFICATION OF THE MINISTRY OF INDUSTRY B.E. 2560 (2017).

\* : FLOW RATE CANNOT BE MEASURED.

ND : NON-DETECTABLE.

< LOQ : < LIMIT OF QUANTITATION (TOTAL KJELDAHL NITROGEN ≥ 1.5 AND < 5.0 mg/L).

*Benjawan V.*

(MISS BENJAWAN VIRIYOTHAI)  
LABORATORY SUPERVISOR

AUGUST 31, 2022

## ANALYSIS REPORT

**CUSTOMER NAME** : ROJANA INDUSTRIAL MANAGEMENT COMPANY LIMITED  
**ADDRESS** : 2034/115 26TH FLOOR ITALTHAI TOWER, NEW PETCHBURI ROAD BANG KAPI HUAI KHWANG BANGKOK 10310  
**CONTACT INFORMATION** : TEL : 0 2318 6788 e-mail : dusadee\_kpy@hotmail.com  
**SAMPLING SOURCE** : BOWIN  
**SAMPLE TYPE** : EFFLUENT  
**SAMPLING DATE** : AUGUST 18, 2022  
**SAMPLING TIME** : 10:50 HOUR  
**SAMPLING METHOD** : GRAB  
**SAMPLING BY** : MR PANUWAT PUMITINSEE  
**ANALYZED BY** : MISS AKSARIN BUNKONG

**RECEIVED DATE** : AUGUST 19, 2022  
**ANALYTICAL DATE** : AUGUST 19-25, 2022  
**REPORT NO.** : 2022-U067449  
**WORK NO.** : 2021-008810  
**ANALYSIS NO.** : T22AQ282-0005

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			HOLDING POND T22AQ282-0005		
pH <sup>a</sup>	-	ELECTROMETRIC METHOD AT SITE (SM:4500-H <sup>+</sup> B)	7.8 (32°C)	5.5-9.0	-
BIOCHEMICAL OXYGEN DEMAND <sup>a</sup>	mg/L	MEMBRANE ELECTRODE METHOD (SM: 4500-O <sub>2</sub> G AND 5210 B)	ND	≤ 20	2.0
CHEMICAL OXYGEN DEMAND <sup>a</sup>	mg/L	CLOSED REFLUX, COLOURIMETRIC METHOD (SM: 5220 D)	ND	≤ 120	25.0
FLUORIDE <sup>c</sup>	mg/L F <sup>-</sup>	ION-SELECTIVE ELECTRODE METHOD (SM: 4500-F <sup>-</sup> C)	7.82	-	0.04
NITRATE <sup>c</sup>	mg/L NO <sub>3</sub> <sup>-</sup>	CADMIUM REDUCTION METHOD (SM: 4500-NO <sub>3</sub> <sup>-</sup> E)	298	-	0.09
METALS					
ARSENIC <sup>c</sup>	mg/L As	HYDRIDE GENERATION AAS METHOD (SM: 3114 C)	0.0013	≤ 0.25	0.0003
CADMIUM <sup>c</sup>	mg/L Cd	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	ND	≤ 0.03	0.001
CHROMIUM <sup>c</sup>	mg/L Cr	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	0.010	-	0.001



PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			HOLDING POND T22AQ282-0005		
LEAD <sup>c</sup>	mg/L Pb	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	ND	≤ 0.2	0.002
<b>SAMPLE CONDITION</b>					
WATER'S COLOUR/TURBID			YELLOW/CLEAR		
SEDIMENT			YELLOW		

<sup>a</sup> : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

<sup>b</sup> : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

<sup>c</sup> : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

REGULATORY STANDARD : STANDARD FOR CONTROL THE EFFLUENT FROM INDUSTRIAL PLANTS, INDUSTRIAL ESTATE AND  
INDUSTRIAL ZONES, NOTIFICATION OF THE MINISTRY OF NATURAL RESOURCES AND ENVIRONMENT  
B.E. 2559 (2016) AND INDUSTRIAL EFFLUENT STANDARDS, NOTIFICATION OF THE MINISTRY  
OF INDUSTRY B.E. 2560 (2017).

ND : NON-DETECTABLE.

*Benjawan V.*

(MISS BENJAWAN VIRIYOTHAI)  
LABORATORY SUPERVISOR

AUGUST 31, 2022



## ANALYSIS REPORT

**CUSTOMER NAME** : ROJANA INDUSTRIAL MANAGEMENT COMPANY LIMITED  
**ADDRESS** : 2034/115 26TH FLOOR ITALTHAI TOWER, NEW PETCHBURI ROAD BANG KAPI HUAI KHWANG BANGKOK 10310  
**CONTACT INFORMATION** : TEL : 0 2318 6788 e-mail : dusadee\_kpy@hotmail.com  
**SAMPLING SOURCE** : BOWIN  
**SAMPLE TYPE** : WASTEWATER  
**SAMPLING DATE** : AUGUST 23, 2022  
**SAMPLING TIME** : 09:50 HOUR  
**SAMPLING METHOD <sup>c</sup>** : GRAB  
**SAMPLING BY <sup>c</sup>** : MR NAPASIT SRIPIM  
**ANALYZED BY** : MISS AMONRAT PUTTALEE

**RECEIVED DATE** : AUGUST 23, 2022  
**ANALYTICAL DATE** : AUGUST 23-29, 2022  
**REPORT NO.** : 2022-U068242  
**WORK NO.** : 2021-008810  
**ANALYSIS NO.** : T22AQ504-0003

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	DETECTION LIMIT
			INFLUENT T22AQ504-0003	
pH <sup>c</sup>	-	ELECTROMETRIC METHOD AT SITE (SM:4500-H <sup>+</sup> B)	6.5 (32°C)	-
ELECTRICAL CONDUCTIVITY <sup>c</sup>	µmhos/cm	ELECTRICAL CONDUCTIVITY METHOD AT SITE (SM: 2510 B)	4,160 (33°C)	0.1
BIOCHEMICAL OXYGEN DEMAND <sup>a</sup>	mg/L	MEMBRANE ELECTRODE METHOD (SM: 4500-O <sub>2</sub> G AND 5210 B)	ND	2.0
CHEMICAL OXYGEN DEMAND <sup>a</sup>	mg/L	CLOSED REFLUX, COLOURIMETRIC METHOD (SM: 5220 D)	ND	25.0
TOTAL SUSPENDED SOLIDS <sup>a</sup>	mg/L	TOTAL SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: 2540 D)	21.7	5.0
TOTAL DISSOLVED SOLIDS <sup>b</sup>	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: 2540 C)	3,689	25
FLUORIDE <sup>c</sup>	mg/L F <sup>-</sup>	ION-SELECTIVE ELECTRODE METHOD (SM: 4500-F <sup>-</sup> C)	8.33	0.04
<b>SAMPLE CONDITION</b> WATER'S COLOUR/TURBID SEDIMENT			YELLOW/CLEAR YELLOW	

<sup>a</sup> : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

<sup>b</sup> : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

<sup>c</sup> : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

ND : NON-DETECTABLE.

*Benjawan V.*

(MISS BENJAWAN VIRIYOTHAI)  
LABORATORY SUPERVISOR

SEPTEMBER 2, 2022



## ANALYSIS REPORT

**CUSTOMER NAME** : ROJANA INDUSTRIAL MANAGEMENT COMPANY LIMITED  
**ADDRESS** : 2034/115 26TH FLOOR ITALTHAI TOWER, NEW PETCHBURI ROAD BANG KAPI HUAI KHWANG BANGKOK 10310  
**CONTACT INFORMATION** : TEL : 0 2318 6788 e-mail : dusadee\_kpy@hotmail.com  
**SAMPLING SOURCE** : BOWIN  
**SAMPLE TYPE** : EFFLUENT  
**SAMPLING DATE** : AUGUST 23, 2022  
**SAMPLING TIME** : 09:40 HOUR  
**SAMPLING METHOD <sup>c</sup>** : GRAB  
**SAMPLING BY <sup>c</sup>** : MR NAPASIT SRIPIM  
**ANALYZED BY** : MISS AMONRAT PUTTALEE

**RECEIVED DATE** : AUGUST 23, 2022  
**ANALYTICAL DATE** : AUGUST 23-29, 2022  
**REPORT NO.** : 2022-U068243  
**WORK NO.** : 2021-008810  
**ANALYSIS NO.** : T22AQ504-0004

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			EFFLUENT T22AQ504-0004		
pH <sup>c</sup>	-	ELECTROMETRIC METHOD AT SITE (SM:4500-H <sup>+</sup> B)	7.2 (32°C)	5.5-9.0	-
ELECTRICAL CONDUCTIVITY <sup>c</sup>	µmhos/cm	ELECTRICAL CONDUCTIVITY METHOD AT SITE (SM: 2510 B)	4,280 (32°C)	-	0.1
BIOCHEMICAL OXYGEN DEMAND <sup>a</sup>	mg/L	MEMBRANE ELECTRODE METHOD (SM: 4500-O <sub>2</sub> G AND 5210 B)	3.8	≤ 20	2.0
CHEMICAL OXYGEN DEMAND <sup>a</sup>	mg/L	CLOSED REFLUX, COLOURIMETRIC METHOD (SM: 5220 D)	ND	≤ 120	25.0
TOTAL SUSPENDED SOLIDS <sup>a</sup>	mg/L	TOTAL SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: 2540 D)	16.9	≤ 50	5.0
TOTAL DISSOLVED SOLIDS <sup>b</sup>	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: 2540 C)	3,615	≤ 3,000	25
FLUORIDE <sup>c</sup>	mg/L F <sup>-</sup>	ION-SELECTIVE ELECTRODE METHOD (SM: 4500-F <sup>-</sup> C)	9.22	-	0.04
<b>SAMPLE CONDITION</b> WATER'S COLOUR/TURBID SEDIMENT			YELLOW/CLEAR YELLOW		

<sup>a</sup> : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

<sup>b</sup> : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

<sup>c</sup> : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

REGULATORY STANDARD : STANDARD FOR CONTROL THE EFFLUENT FROM INDUSTRIAL PLANTS, INDUSTRIAL ESTATE AND INDUSTRIAL ZONES, NOTIFICATION OF THE MINISTRY OF NATURAL RESOURCES AND ENVIRONMENT B.E. 2559 (2016) AND INDUSTRIAL EFFLUENT STANDARDS, NOTIFICATION OF THE MINISTRY OF INDUSTRY B.E. 2560 (2017).

ND : NON-DETECTABLE.

*Benjawan V.*

(MISS BENJAWAN VIRIYOTHA)  
LABORATORY SUPERVISOR

SEPTEMBER 2, 2022



## ANALYSIS REPORT

**CUSTOMER NAME** : ROJANA INDUSTRIAL MANAGEMENT COMPANY LIMITED  
**ADDRESS** : 2034/115 26TH FLOOR ITALTHAI TOWER, NEW PETCHBURI ROAD BANG KAPI HUAI KHWANG BANGKOK 10310  
**CONTACT INFORMATION** : TEL : 0 2318 6788 e-mail : dusadee\_kpy@hotmail.com  
**SAMPLING SOURCE** : BOWIN  
**SAMPLE TYPE** : EFFLUENT  
**SAMPLING DATE** : AUGUST 23, 2022  
**SAMPLING TIME** : 09:55 HOUR  
**SAMPLING METHOD °** : GRAB  
**SAMPLING BY °** : MR NAPASIT SRIPIM  
**ANALYZED BY** : MISS KALLAYA SOMPHONG

**RECEIVED DATE** : AUGUST 23, 2022  
**ANALYTICAL DATE** : AUGUST 23-29, 2022  
**REPORT NO.** : 2022-U068244  
**WORK NO.** : 2021-008810  
**ANALYSIS NO.** : T22AQ504-0005

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			HOLDING POND T22AQ504-0005		
pH °	-	ELECTROMETRIC METHOD AT SITE (SM:4500-H° B)	8.5 (34°C)	5.5-9.0	-
BIOCHEMICAL OXYGEN DEMAND °	mg/L	MEMBRANE ELECTRODE METHOD (SM: 4500-O G AND 5210 B)	ND	≤ 20	2.0
CHEMICAL OXYGEN DEMAND °	mg/L	CLOSED REFLUX, COLOURIMETRIC METHOD (SM: 5220 D)	ND	≤ 120	25.0
FLUORIDE °	mg/L F <sup>-</sup>	ION-SELECTIVE ELECTRODE METHOD (SM: 4500-F C)	8.07	-	0.04
NITRATE °	mg/L NO <sub>3</sub> <sup>-</sup>	CADMIUM REDUCTION METHOD (SM: 4500 -NO <sub>3</sub> <sup>-</sup> E)	505	-	0.09
METALS					
ARSENIC °	mg/L As	HYDRIDE GENERATION AAS METHOD (SM: 3114 C)	0.0013	≤ 0.25	0.0003
CADMIUM °	mg/L Cd	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	ND	≤ 0.03	0.001
CHROMIUM °	mg/L Cr	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	0.010	-	0.001





PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			HOLDING POND T22AQ504-0005		
LEAD <sup>c</sup>	mg/L Pb	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	ND	≤ 0.2	0.002
<b>SAMPLE CONDITION</b> WATER'S COLOUR/TURBID SEDIMENT			YELLOW/CLEAR YELLOW		

<sup>a</sup> : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

<sup>b</sup> : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

<sup>c</sup> : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

REGULATORY STANDARD : STANDARD FOR CONTROL THE EFFLUENT FROM INDUSTRIAL PLANTS, INDUSTRIAL ESTATE AND  
INDUSTRIAL ZONES, NOTIFICATION OF THE MINISTRY OF NATURAL RESOURCES AND ENVIRONMENT  
B.E. 2559 (2016) AND INDUSTRIAL EFFLUENT STANDARDS, NOTIFICATION OF THE MINISTRY  
OF INDUSTRY B.E. 2560 (2017).

ND : NON-DETECTABLE.

*Benjawan V.*

(MISS BENJAWAN VIRIYOTHA)  
LABORATORY SUPERVISOR

SEPTEMBER 2, 2022

## ANALYSIS REPORT

**CUSTOMER NAME** : ROJANA INDUSTRIAL MANAGEMENT COMPANY LIMITED  
**ADDRESS** : 2034/115 26TH FLOOR ITALTHAI TOWER, NEW PETCHBURI ROAD BANG KAPI HUAI KHWANG BANGKOK 10310  
**CONTACT INFORMATION** : TEL : 0 2318 6788 e-mail : dusadee\_kpy@hotmail.com  
**SAMPLING SOURCE** : BOWIN  
**SAMPLE TYPE** : WASTEWATER  
**SAMPLING DATE** : AUGUST 29, 2022  
**SAMPLING TIME** : 10:40 HOUR  
**SAMPLING METHOD °** : GRAB  
**SAMPLING BY °** : MR CHAI BUASOD  
**ANALYZED BY** : MISS AMONRAT PUTTALEE

**RECEIVED DATE** : AUGUST 29, 2022  
**ANALYTICAL DATE** : AUGUST 29 - SEPTEMBER 5, 2022  
**REPORT NO.** : 2022-U069543  
**WORK NO.** : 2021-008810  
**ANALYSIS NO.** : T22AQ888-0003

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	DETECTION LIMIT
			INFLUENT T22AQ888-0003	
pH °	-	ELECTROMETRIC METHOD AT SITE (SM:4500-H° B)	6.7 (33°C)	-
ELECTRICAL CONDUCTIVITY °	µmhos/cm	ELECTRICAL CONDUCTIVITY METHOD AT SITE (SM: 2510 B)	3,950 (33°C)	0.1
BIOCHEMICAL OXYGEN DEMAND °	mg/L	MEMBRANE ELECTRODE METHOD (SM: 4500-O G AND 5210 B)	7.2	2.0
CHEMICAL OXYGEN DEMAND °	mg/L	CLOSED REFLUX, COLOURIMETRIC METHOD (SM: 5220 D)	ND	25.0
TOTAL SUSPENDED SOLIDS °	mg/L	TOTAL SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: 2540 D)	22.8	5.0
TOTAL DISSOLVED SOLIDS °	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: 2540 C)	3,854	25
FLUORIDE °	mg/L F	ION-SELECTIVE ELECTRODE METHOD (SM: 4500-F° C)	4.69	0.04
<b>SAMPLE CONDITION</b> WATER'S COLOUR/TURBID SEDIMENT			YELLOW/CLEAR YELLOW	

° : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

° : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

° : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

ND : NON-DETECTABLE.

*Piyapat S.*

(MRS PIYAPAT SUTTAMANUTWONG)  
LABORATORY SUPERVISOR

SEPTEMBER 8, 2022



## ANALYSIS REPORT

**CUSTOMER NAME** : ROJANA INDUSTRIAL MANAGEMENT COMPANY LIMITED  
**ADDRESS** : 2034/115 26TH FLOOR ITALTHAI TOWER, NEW PETCHBURI ROAD BANG KAPI HUAI KHWANG BANGKOK 10310  
**CONTACT INFORMATION** : TEL : 0 2318 6788 e-mail : dusadee\_kpy@hotmail.com  
**SAMPLING SOURCE** : BOWIN  
**SAMPLE TYPE** : EFFLUENT  
**SAMPLING DATE** : AUGUST 29, 2022  
**SAMPLING TIME** : 10:30 HOUR  
**SAMPLING METHOD °** : GRAB  
**SAMPLING BY °** : MR CHAI BUASOD  
**ANALYZED BY** : MISS AMONRAT PUTTALEE

**RECEIVED DATE** : AUGUST 29, 2022  
**ANALYTICAL DATE** : AUGUST 29 - SEPTEMBER 5, 2022  
**REPORT NO.** : 2022-U069544  
**WORK NO.** : 2021-008810  
**ANALYSIS NO.** : T22AQ888-0004

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			EFFLUENT T22AQ888-0004		
pH °	-	ELECTROMETRIC METHOD AT SITE (SM:4500-H <sup>+</sup> B)	6.5 (32°C)	5.5-9.0	-
ELECTRICAL CONDUCTIVITY °	µmhos/cm	ELECTRICAL CONDUCTIVITY METHOD AT SITE (SM: 2510 B)	3,890 (32°C)	-	0.1
BIOCHEMICAL OXYGEN DEMAND <sup>a</sup>	mg/L	MEMBRANE ELECTRODE METHOD (SM: 4500-O <sub>2</sub> G AND 5210 B)	6.4	≤ 20	2.0
CHEMICAL OXYGEN DEMAND <sup>a</sup>	mg/L	CLOSED REFLUX, COLOURIMETRIC METHOD (SM: 5220 D)	ND	≤ 120	25.0
TOTAL SUSPENDED SOLIDS <sup>a</sup>	mg/L	TOTAL SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: 2540 D)	12.5	≤ 50	5.0
TOTAL DISSOLVED SOLIDS <sup>b</sup>	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: 2540 C)	3,968	≤ 3,000	25
FLUORIDE °	mg/L F <sup>-</sup>	ION-SELECTIVE ELECTRODE METHOD (SM: 4500-F <sup>-</sup> C)	6.06	-	0.04
<b>SAMPLE CONDITION</b> WATER'S COLOUR/TURBID SEDIMENT			YELLOW/CLEAR YELLOW		

<sup>a</sup> : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

<sup>b</sup> : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

° : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

REGULATORY STANDARD : STANDARD FOR CONTROL THE EFFLUENT FROM INDUSTRIAL PLANTS, INDUSTRIAL ESTATE AND INDUSTRIAL ZONES, NOTIFICATION OF THE MINISTRY OF NATURAL RESOURCES AND ENVIRONMENT B.E. 2559 (2016) AND INDUSTRIAL EFFLUENT STANDARDS, NOTIFICATION OF THE MINISTRY OF INDUSTRY B.E. 2560 (2017).

ND : NON-DETECTABLE.

*Piyapat S.*

(MRS PIYAPAT SUTTAMANUTWONG)  
LABORATORY SUPERVISOR

SEPTEMBER 8, 2022





## ANALYSIS REPORT

<b>CUSTOMER NAME</b>	: ROJANA INDUSTRIAL MANAGEMENT COMPANY LIMITED	<b>RECEIVED DATE</b>	: AUGUST 29, 2022
<b>ADDRESS</b>	: 2034/115 26TH FLOOR ITALTHAI TOWER, NEW PETCHBURI ROAD BANG KAPI HUAI KHWANG BANGKOK 10310	<b>ANALYTICAL DATE</b>	: AUGUST 29 - SEPTEMBER 6, 2022
<b>CONTACT INFORMATION</b>	: TEL : 0 2318 6788 e-mail : dusadee_kpy@hotmail.com	<b>REPORT NO.</b>	: 2022-U069546
<b>SAMPLING SOURCE</b>	: BOWIN	<b>WORK NO.</b>	: 2021-008810
<b>SAMPLE TYPE</b>	: EFFLUENT	<b>ANALYSIS NO.</b>	: T22AQ888-0005
<b>SAMPLING DATE</b>	: AUGUST 29, 2022		
<b>SAMPLING TIME</b>	: 10:20 HOUR		
<b>SAMPLING METHOD °</b>	: GRAB		
<b>SAMPLING BY °</b>	: MR CHAI BUASOD		
<b>ANALYZED BY</b>	: MISS KALLAYA SOMPHONG		

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			HOLDING POND T22AQ888-0005		
pH °	-	ELECTROMETRIC METHOD AT SITE (SM:4500-H <sup>+</sup> B)	7.8 (30°C)	5.5-9.0	-
BIOCHEMICAL OXYGEN DEMAND °	mg/L	MEMBRANE ELECTRODE METHOD (SM: 4500-O G AND 5210 B)	2.3	≤ 20	2.0
CHEMICAL OXYGEN DEMAND °	mg/L	CLOSED REFLUX, COLOURIMETRIC METHOD (SM: 5220 D)	ND	≤ 120	25.0
FLUORIDE °	mg/L F <sup>-</sup>	ION-SELECTIVE ELECTRODE METHOD (SM: 4500-F <sup>-</sup> C)	8.17	-	0.04
NITRATE °	mg/L NO <sub>3</sub> <sup>-</sup>	CADMIUM REDUCTION METHOD (SM: 4500 -NO <sub>3</sub> <sup>-</sup> E)	334	-	0.09
METALS					
ARSENIC °	mg/L As	HYDRIDE GENERATION AAS METHOD (SM: 3114 C)	0.0018	≤ 0.25	0.0003
CADMIUM °	mg/L Cd	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	ND	≤ 0.03	0.001
CHROMIUM °	mg/L Cr	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	0.011	-	0.001



PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			HOLDING POND T22AQ888-0005		
LEAD <sup>c</sup>	mg/L Pb	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	0.002	≤ 0.2	0.002
<b>SAMPLE CONDITION</b> WATER'S COLOUR/TURBID SEDIMENT			YELLOW/CLEAR YELLOW		

<sup>a</sup> : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

<sup>b</sup> : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

<sup>c</sup> : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

REGULATORY STANDARD : STANDARD FOR CONTROL THE EFFLUENT FROM INDUSTRIAL PLANTS, INDUSTRIAL ESTATE AND  
INDUSTRIAL ZONES, NOTIFICATION OF THE MINISTRY OF NATURAL RESOURCES AND ENVIRONMENT  
B.E. 2559 (2016) AND INDUSTRIAL EFFLUENT STANDARDS, NOTIFICATION OF THE MINISTRY  
OF INDUSTRY B.E. 2560 (2017).

ND : NON-DETECTABLE.

*Piyapat S.*

(MRS PIYAPAT SUTTAMANUTWONG)  
LABORATORY SUPERVISOR

SEPTEMBER 8, 2022

## ANALYSIS REPORT

**CUSTOMER NAME** : ROJANA INDUSTRIAL MANAGEMENT COMPANY LIMITED  
**ADDRESS** : 2034/115 26TH FLOOR ITALTHAI TOWER, NEW PETCHBURI ROAD BANG KAPI HUAI KHWANG BANGKOK 10310  
**CONTACT INFORMATION** : TEL : 0 2318 6788 e-mail : dusadee\_kpy@hotmail.com  
**SAMPLING SOURCE** : BOWIN  
**SAMPLE TYPE** : WASTEWATER  
**SAMPLING DATE** : SEPTEMBER 8, 2022  
**SAMPLING TIME** : 13:50 HOUR  
**SAMPLING METHOD <sup>c</sup>** : GRAB  
**SAMPLING BY <sup>c</sup>** : MR THANADET WANSANOR  
**ANALYZED BY** : MISS AMONRAT PUTTALEE

**RECEIVED DATE** : SEPTEMBER 8, 2022  
**ANALYTICAL DATE** : SEPTEMBER 8-14, 2022  
**REPORT NO.** : 2022-U072242  
**WORK NO.** : 2021-008810  
**ANALYSIS NO.** : T22AR707-0003

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	DETECTION LIMIT
			INFLUENT T22AR707-0003	
pH <sup>c</sup>	-	ELECTROMETRIC METHOD AT SITE (SM:4500-H <sup>+</sup> B)	6.5 (30°C)	-
ELECTRICAL CONDUCTIVITY <sup>c</sup>	µmhos/cm	ELECTRICAL CONDUCTIVITY METHOD AT SITE (SM: 2510 B)	3,526 (30°C)	0.1
BIOCHEMICAL OXYGEN DEMAND <sup>a</sup>	mg/L	MEMBRANE ELECTRODE METHOD (SM: 4500-O <sub>2</sub> G AND 5210 B)	9.0	2.0
CHEMICAL OXYGEN DEMAND <sup>a</sup>	mg/L	CLOSED REFLUX, COLOURIMETRIC METHOD (SM: 5220 D)	ND	25.0
TOTAL SUSPENDED SOLIDS <sup>a</sup>	mg/L	TOTAL SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: 2540 D)	16.7	5.0
TOTAL DISSOLVED SOLIDS <sup>b</sup>	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: 2540 C)	2,793	25
FLUORIDE <sup>c</sup>	mg/L F	ION-SELECTIVE ELECTRODE METHOD (SM: 4500-F <sup>-</sup> C)	7.31	0.04
<b>SAMPLE CONDITION</b> WATER'S COLOUR/TURBID SEDIMENT			YELLOW/CLEAR YELLOW	

<sup>a</sup> : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

<sup>b</sup> : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

<sup>c</sup> : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

ND : NON-DETECTABLE.

*Piyapat S.*

(MRS PIYAPAT SUTTAMANUTWONG)  
LABORATORY SUPERVISOR

SEPTEMBER 20, 2022





## ANALYSIS REPORT

**CUSTOMER NAME** : ROJANA INDUSTRIAL MANAGEMENT COMPANY LIMITED  
**ADDRESS** : 2034/115 26TH FLOOR ITALTHAI TOWER, NEW PETCHBURI ROAD BANG KAPI HUAI KHWANG BANGKOK 10310  
**CONTACT INFORMATION** : TEL : 0 2318 6788 e-mail : dusadee\_kpy@hotmail.com  
**SAMPLING SOURCE** : BOWIN  
**SAMPLE TYPE** : EFFLUENT  
**SAMPLING DATE** : SEPTEMBER 8, 2022  
**SAMPLING TIME** : 13:40 HOUR  
**SAMPLING METHOD °** : GRAB  
**SAMPLING BY °** : MR THANADET WANSANOR  
**ANALYZED BY** : MISS AMONRAT PUTTALEE

**RECEIVED DATE** : SEPTEMBER 8, 2022  
**ANALYTICAL DATE** : SEPTEMBER 8-14, 2022  
**REPORT NO.** : 2022-U072243  
**WORK NO.** : 2021-008810  
**ANALYSIS NO.** : T22AR707-0004

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			EFFLUENT T22AR707-0004		
pH °	-	ELECTROMETRIC METHOD AT SITE (SM:4500-H <sup>+</sup> B)	6.7 (30°C)	5.5-9.0	-
ELECTRICAL CONDUCTIVITY °	µmhos/cm	ELECTRICAL CONDUCTIVITY METHOD AT SITE (SM: 2510 B)	4,015 (30°C)	-	0.1
BIOCHEMICAL OXYGEN DEMAND <sup>a</sup>	mg/L	MEMBRANE ELECTRODE METHOD (SM: 4500-O <sub>2</sub> G AND 5210 B)	6.8	≤ 20	2.0
CHEMICAL OXYGEN DEMAND <sup>a</sup>	mg/L	CLOSED REFLUX, COLOURIMETRIC METHOD (SM: 5220 D)	ND	≤ 120	25.0
TOTAL SUSPENDED SOLIDS <sup>a</sup>	mg/L	TOTAL SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: 2540 D)	23.7	≤ 50	5.0
TOTAL DISSOLVED SOLIDS <sup>b</sup>	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: 2540 C)	3,386	≤ 3,000	25
FLUORIDE °	mg/L F <sup>-</sup>	ION-SELECTIVE ELECTRODE METHOD (SM: 4500-F <sup>-</sup> C)	7.21	-	0.04
<b>SAMPLE CONDITION</b> WATER'S COLOUR/TURBID SEDIMENT			YELLOW/CLEAR YELLOW		

<sup>a</sup> : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

<sup>b</sup> : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

° : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

REGULATORY STANDARD : STANDARD FOR CONTROL THE EFFLUENT FROM INDUSTRIAL PLANTS, INDUSTRIAL ESTATE AND INDUSTRIAL ZONES, NOTIFICATION OF THE MINISTRY OF NATURAL RESOURCES AND ENVIRONMENT B.E. 2559 (2016) AND INDUSTRIAL EFFLUENT STANDARDS, NOTIFICATION OF THE MINISTRY OF INDUSTRY B.E. 2560 (2017).

ND : NON-DETECTABLE.



(MRS PIYAPAT SUTTAMANUTWONG)  
LABORATORY SUPERVISOR

SEPTEMBER 20, 2022



## ANALYSIS REPORT

**CUSTOMER NAME** : ROJANA INDUSTRIAL MANAGEMENT COMPANY LIMITED  
**ADDRESS** : 2034/115 26TH FLOOR ITALTHAI TOWER, NEW PETCHBURI ROAD BANG KAPI HUAI KHWANG BANGKOK 10310  
**CONTACT INFORMATION** : TEL : 0 2318 6788 e-mail : dusadee\_kpy@hotmail.com  
**SAMPLING SOURCE** : BOWIN  
**SAMPLE TYPE** : EFFLUENT  
**SAMPLING DATE** : SEPTEMBER 8, 2022  
**SAMPLING TIME** : 13:30 HOUR  
**SAMPLING METHOD °** : GRAB  
**SAMPLING BY °** : MR THANADET WANSANOR  
**ANALYZED BY** : MISS KALLAYA SOMPHONG

**RECEIVED DATE** : SEPTEMBER 8, 2022  
**ANALYTICAL DATE** : SEPTEMBER 8-14, 2022  
**REPORT NO.** : 2022-U072244  
**WORK NO.** : 2021-008810  
**ANALYSIS NO.** : T22AR707-0005

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			HOLDING POND T22AR707-0005		
pH °	-	ELECTROMETRIC METHOD AT SITE (SM:4500-H <sup>+</sup> B)	8.0 (29°C)	5.5-9.0	-
BIOCHEMICAL OXYGEN DEMAND <sup>a</sup>	mg/L	MEMBRANE ELECTRODE METHOD (SM: 4500-O G AND 5210 B)	ND	≤ 20	2.0
CHEMICAL OXYGEN DEMAND <sup>a</sup>	mg/L	CLOSED REFLUX, COLOURIMETRIC METHOD (SM: 5220 D)	ND	≤ 120	25.0
FLUORIDE °	mg/L F <sup>-</sup>	ION-SELECTIVE ELECTRODE METHOD (SM: 4500-F <sup>-</sup> C)	8.46	-	0.04
NITRATE °	mg/L NO <sub>3</sub> <sup>-</sup>	CADMIUM REDUCTION METHOD (SM: 4500 -NO <sub>3</sub> <sup>-</sup> E)	576	-	0.09
METALS					
ARSENIC °	mg/L As	HYDRIDE GENERATION AAS METHOD (SM: 3114 C)	0.0018	≤ 0.25	0.0003
CADMIUM °	mg/L Cd	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	0.001	≤ 0.03	0.001
CHROMIUM °	mg/L Cr	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	0.012	-	0.001



PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			HOLDING POND T22AR707-0005		
LEAD <sup>c</sup>	mg/L Pb	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	ND	≤ 0.2	0.002
<b>SAMPLE CONDITION</b> WATER'S COLOUR/TURBID SEDIMENT			YELLOW/CLEAR YELLOW		

<sup>a</sup> : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

<sup>b</sup> : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

<sup>c</sup> : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

REGULATORY STANDARD : STANDARD FOR CONTROL THE EFFLUENT FROM INDUSTRIAL PLANTS, INDUSTRIAL ESTATE AND INDUSTRIAL ZONES, NOTIFICATION OF THE MINISTRY OF NATURAL RESOURCES AND ENVIRONMENT B.E. 2559 (2016) AND INDUSTRIAL EFFLUENT STANDARDS, NOTIFICATION OF THE MINISTRY OF INDUSTRY B.E. 2560 (2017).

ND : NON-DETECTABLE.

*Piyapat S.*

(MRS PIYAPAT SUTTAMANUTWONG)  
LABORATORY SUPERVISOR

SEPTEMBER 20, 2022



## ANALYSIS REPORT

**CUSTOMER NAME** : ROJANA INDUSTRIAL MANAGEMENT COMPANY LIMITED  
**ADDRESS** : 2034/115 26TH FLOOR ITALTHAI TOWER, NEW PETCHBURI ROAD BANG KAPI HUAI KHWANG BANGKOK 10310  
**CONTACT INFORMATION** : TEL : 0 2318 6788 e-mail : dusadee\_kpy@hotmail.com  
**SAMPLING SOURCE** : BOWIN  
**SAMPLE TYPE** : WASTEWATER  
**SAMPLING DATE** : SEPTEMBER 15, 2022  
**SAMPLING TIME** : 10:05 HOUR  
**SAMPLING METHOD <sup>c</sup>** : GRAB  
**SAMPLING BY <sup>c</sup>** : MR NAPASIT SRIPIM  
**ANALYZED BY** : MISS AMONRAT PUTTALEE

**RECEIVED DATE** : SEPTEMBER 15, 2022  
**ANALYTICAL DATE** : SEPTEMBER 15-21, 2022  
**REPORT NO.** : 2022-U075025  
**WORK NO.** : 2021-008810  
**ANALYSIS NO.** : T22AS283-0003

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	DETECTION LIMIT
			INFLUENT T22AS283-0003	
pH <sup>c</sup>	-	ELECTROMETRIC METHOD AT SITE (SM:4500-H <sup>+</sup> B)	7.3 (31°C)	-
ELECTRICAL CONDUCTIVITY <sup>c</sup>	µmhos/cm	ELECTRICAL CONDUCTIVITY METHOD AT SITE (SM: 2510 B)	4,000 (31°C)	0.1
BIOCHEMICAL OXYGEN DEMAND <sup>a</sup>	mg/L	MEMBRANE ELECTRODE METHOD (SM: 4500-O <sub>2</sub> G AND 5210 B)	7.4	2.0
CHEMICAL OXYGEN DEMAND <sup>a</sup>	mg/L	CLOSED REFLUX, COLOURIMETRIC METHOD (SM: 5220 D)	ND	25.0
TOTAL SUSPENDED SOLIDS <sup>a</sup>	mg/L	TOTAL SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: 2540 D)	20.4	5.0
TOTAL DISSOLVED SOLIDS <sup>b</sup>	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: 2540 C)	3,283	25
FLUORIDE <sup>c</sup>	mg/L F <sup>-</sup>	ION-SELECTIVE ELECTRODE METHOD (SM: 4500-F <sup>-</sup> C)	7.71	0.04
<b>SAMPLE CONDITION</b> WATER'S COLOUR/TURBID SEDIMENT			YELLOW/CLEAR YELLOW	

<sup>a</sup> : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

<sup>b</sup> : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

<sup>c</sup> : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

ND : NON-DETECTABLE.

*Piyapat S.*

(MRS PIYAPAT SUTTAMANUTWONG)  
LABORATORY SUPERVISOR

SEPTEMBER 27, 2022



## ANALYSIS REPORT

**CUSTOMER NAME** : ROJANA INDUSTRIAL MANAGEMENT COMPANY LIMITED  
**ADDRESS** : 2034/115 26TH FLOOR ITALTHAI TOWER, NEW PETCHBURI ROAD BANG KAPI HUAI KHWANG BANGKOK 10310  
**CONTACT INFORMATION** : TEL : 0 2318 6788 e-mail : dusadee\_kpy@hotmail.com  
**SAMPLING SOURCE** : BOWIN  
**SAMPLE TYPE** : EFFLUENT  
**SAMPLING DATE** : SEPTEMBER 15, 2022  
**SAMPLING TIME** : 10:10 HOUR  
**SAMPLING METHOD <sup>c</sup>** : GRAB  
**SAMPLING BY <sup>c</sup>** : MR NAPASIT SRIPIM  
**ANALYZED BY** : MISS AMONRAT PUTTALEE

**RECEIVED DATE** : SEPTEMBER 15, 2022  
**ANALYTICAL DATE** : SEPTEMBER 15-21, 2022  
**REPORT NO.** : 2022-U075026  
**WORK NO.** : 2021-008810  
**ANALYSIS NO.** : T22AS283-0004

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			EFFLUENT T22AS283-0004		
pH <sup>c</sup>	-	ELECTROMETRIC METHOD AT SITE (SM:4500-H <sup>+</sup> B)	7.3 (31°C)	5.5-9.0	-
ELECTRICAL CONDUCTIVITY <sup>c</sup>	µmhos/cm	ELECTRICAL CONDUCTIVITY METHOD AT SITE (SM: 2510 B)	4,720 (31°C)	-	0.1
BIOCHEMICAL OXYGEN DEMAND <sup>a</sup>	mg/L	MEMBRANE ELECTRODE METHOD (SM: 4500-O <sub>2</sub> G AND 5210 B)	6.9	≤ 20	2.0
CHEMICAL OXYGEN DEMAND <sup>a</sup>	mg/L	CLOSED REFLUX, COLOURIMETRIC METHOD (SM: 5220 D)	ND	≤ 120	25.0
TOTAL SUSPENDED SOLIDS <sup>a</sup>	mg/L	TOTAL SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: 2540 D)	17.1	≤ 50	5.0
TOTAL DISSOLVED SOLIDS <sup>b</sup>	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: 2540 C)	3,820	≤ 3,000	25
FLUORIDE <sup>c</sup>	mg/L F <sup>-</sup>	ION-SELECTIVE ELECTRODE METHOD (SM: 4500-F <sup>-</sup> C)	10.7	-	0.04
<b>SAMPLE CONDITION</b> WATER'S COLOUR/TURBID SEDIMENT			YELLOW/CLEAR YELLOW		

<sup>a</sup> : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

<sup>b</sup> : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

<sup>c</sup> : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

REGULATORY STANDARD : STANDARD FOR CONTROL THE EFFLUENT FROM INDUSTRIAL PLANTS, INDUSTRIAL ESTATE AND INDUSTRIAL ZONES, NOTIFICATION OF THE MINISTRY OF NATURAL RESOURCES AND ENVIRONMENT B.E. 2559 (2016) AND INDUSTRIAL EFFLUENT STANDARDS, NOTIFICATION OF THE MINISTRY OF INDUSTRY B.E. 2560 (2017).

ND : NON-DETECTABLE.

*Piyapat S.*

(MRS PIYAPAT SUTTAMANUTWONG)  
LABORATORY SUPERVISOR

SEPTEMBER 27, 2022



## ANALYSIS REPORT

**CUSTOMER NAME** : ROJANA INDUSTRIAL MANAGEMENT COMPANY LIMITED  
**ADDRESS** : 2034/115 26TH FLOOR ITALTHAI TOWER, NEW PETCHBURI ROAD BANG KAPI HUAI KHWANG BANGKOK 10310  
**CONTACT INFORMATION** : TEL : 0 2318 6788 e-mail : dusadee\_kpy@hotmail.com  
**SAMPLING SOURCE** : BOWIN  
**SAMPLE TYPE** : EFFLUENT  
**SAMPLING DATE** : SEPTEMBER 15, 2022  
**SAMPLING TIME** : 10:00 HOUR  
**SAMPLING METHOD °** : GRAB  
**SAMPLING BY °** : MR NAPASIT SRIPIM  
**ANALYZED BY** : MISS KALLAYA SOMPHONG

**RECEIVED DATE** : SEPTEMBER 15, 2022  
**ANALYTICAL DATE** : SEPTEMBER 15-24, 2022  
**REPORT NO.** : 2022-U075027  
**WORK NO.** : 2021-008810  
**ANALYSIS NO.** : T22AS283-0005

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			HOLDING POND T22AS283-0005		
pH °	-	ELECTROMETRIC METHOD AT SITE (SM:4500-H <sup>+</sup> B)	7.6 (31°C)	5.5-9.0	-
BIOCHEMICAL OXYGEN DEMAND <sup>a</sup>	mg/L	MEMBRANE ELECTRODE METHOD (SM: 4500-O G AND 5210 B)	2.0	≤ 20	2.0
CHEMICAL OXYGEN DEMAND <sup>a</sup>	mg/L	CLOSED REFLUX, COLOURIMETRIC METHOD (SM: 5220 D)	ND	≤ 120	25.0
FLUORIDE °	mg/L F <sup>-</sup>	ION-SELECTIVE ELECTRODE METHOD (SM: 4500-F <sup>-</sup> C)	9.03	-	0.04
NITRATE °	mg/L NO <sub>3</sub> <sup>-</sup>	CADMIUM REDUCTION METHOD (SM: 4500 -NO <sub>3</sub> <sup>-</sup> E)	399	-	0.09
METALS					
ARSENIC °	mg/L As	HYDRIDE GENERATION AAS METHOD (SM: 3114 C)	0.0023	≤ 0.25	0.0003
CADMIUM °	mg/L Cd	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	ND	≤ 0.03	0.001
CHROMIUM °	mg/L Cr	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	0.010	-	0.001





PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			HOLDING POND T22AS283-0005		
LEAD <sup>c</sup>	mg/L Pb	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	0.006	≤ 0.2	0.002
<b>SAMPLE CONDITION</b> WATER'S COLOUR/TURBID SEDIMENT			YELLOW/CLEAR YELLOW		

<sup>a</sup> : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

<sup>b</sup> : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

<sup>c</sup> : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

REGULATORY STANDARD : STANDARD FOR CONTROL THE EFFLUENT FROM INDUSTRIAL PLANTS, INDUSTRIAL ESTATE AND  
INDUSTRIAL ZONES, NOTIFICATION OF THE MINISTRY OF NATURAL RESOURCES AND ENVIRONMENT  
B.E. 2559 (2016) AND INDUSTRIAL EFFLUENT STANDARDS, NOTIFICATION OF THE MINISTRY  
OF INDUSTRY B.E. 2560 (2017).

ND : NON-DETECTABLE.

*Paewee Ch.*

(MISS PAWEENA CHARASCHOTEPINIT)  
LABORATORY SUPERVISOR

SEPTEMBER 27, 2022

## ANALYSIS REPORT

**CUSTOMER NAME** : ROJANA INDUSTRIAL MANAGEMENT COMPANY LIMITED  
**ADDRESS** : 2034/115 26TH FLOOR ITALTHAI TOWER, NEW PETCHBURI ROAD BANG KAPI HUAI KHWANG BANGKOK 10310  
**CONTACT INFORMATION** : TEL : 0 2318 6788 e-mail : dusadee\_kpy@hotmail.com  
**SAMPLING SOURCE** : BOWIN  
**SAMPLE TYPE** : WASTEWATER  
**SAMPLING DATE** : SEPTEMBER 20, 2022  
**SAMPLING TIME** : 10:40 HOUR  
**SAMPLING METHOD** <sup>c</sup> : GRAB  
**SAMPLING BY** <sup>c</sup> : MR NAPASIT SRIPIM  
**ANALYZED BY** : MISS AMONRAT PUTTALEE

**RECEIVED DATE** : SEPTEMBER 21, 2022  
**ANALYTICAL DATE** : SEPTEMBER 21-30, 2022  
**REPORT NO.** : 2022-U077253  
**WORK NO.** : 2021-008810  
**ANALYSIS NO.** : T22AS681-0003

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	DETECTION LIMIT
			INFLUENT T22AS681-0003	
pH <sup>c</sup>	-	ELECTROMETRIC METHOD AT SITE (SM:4500-H <sup>+</sup> B)	6.5 (31°C)	-
ELECTRICAL CONDUCTIVITY <sup>c</sup>	µmhos/cm	ELECTRICAL CONDUCTIVITY METHOD AT SITE (SM: 2510 B)	4,370 (31°C)	0.1
TEMPERATURE <sup>c</sup>	°C	THERMOMETER AT SITE (SM: 2550 B)	31	-
DISSOLVED OXYGEN <sup>c</sup>	mg/L	MEMBRANE ELECTRODE METHOD AT SITE (SM: 4500-O G)	4.6	0.5
FLOW RATE <sup>c</sup>	m³/s	CURRENT METER AND CALCULATION	-	-
BIOCHEMICAL OXYGEN DEMAND <sup>a</sup>	mg/L	MEMBRANE ELECTRODE METHOD (SM: 4500-O G AND 5210 B)	7.2	2.0
CHEMICAL OXYGEN DEMAND <sup>a</sup>	mg/L	CLOSED REFLUX, COLOURIMETRIC METHOD (SM: 5220 D)	ND	25.0
TOTAL SUSPENDED SOLIDS <sup>a</sup>	mg/L	TOTAL SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: 2540 D)	38.5	5.0
TOTAL DISSOLVED SOLIDS <sup>b</sup>	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: 2540 C)	3,357	25
CHLORIDE <sup>c</sup>	mg/L Cl <sup>-</sup>	ARGENTOMETRIC METHOD (SM: 4500-Cl <sup>-</sup> B)	284	2.0
SULPHIDE <sup>b</sup>	mg/L	IODOMETRIC METHOD (SM: 4500-S <sup>2-</sup> F)	< 0.50	0.50
FLUORIDE <sup>c</sup>	mg/L F <sup>-</sup>	ION-SELECTIVE ELECTRODE METHOD (SM: 4500-F <sup>-</sup> C)	6.25	0.04
TOTAL KJELDAHL NITROGEN <sup>b</sup>	mg/L	IN-HOUSE METHOD: UAE.TP.WAS.001 (KJELDAHL METHOD); SM: 4500-Norg C	< LOQ	1.5
FAT, OIL AND GREASE <sup>c</sup>	mg/L	SOXHLET EXTRACTION METHOD (SM: 5520 D)	ND	3
CYANIDE <sup>c</sup>	mg/L CN <sup>-</sup>	DISTILLATION, PYRIDINE-BARBITURIC ACID METHOD (SM: 4500-CN <sup>-</sup> C AND 4500-CN <sup>-</sup> E)	0.724	0.005
PHENOLS <sup>c</sup>	mg/L	DISTILLATION, 4-AMINOANTIPYRINE METHOD (SM: 5530 B AND 5530 D)	ND	0.1
FORMALDEHYDE <sup>c</sup>	mg/L	DISTILLATION AND COLOURIMETRIC METHOD	ND	0.05
RESIDUAL FREE CHLORINE <sup>c</sup>	mg/L Cl <sub>2</sub>	MODIFIED DPD COLOURIMETRIC METHOD (AT SITE)	ND	0.1
<b>METALS</b>				
ARSENIC <sup>c</sup>	mg/L As	HYDRIDE GENERATION AAS METHOD (SM: 3114 C)	0.0050	0.0003
MERCURY <sup>c</sup>	mg/L Hg	COLD VAPOUR AAS METHOD (SM: 3112 B)	ND	0.0005
HEXAVALENT CHROMIUM <sup>c</sup>	mg/L Cr <sup>6+</sup>	COLOURIMETRIC METHOD (SM: 3500-Cr B)	ND	0.006
ALUMINUM <sup>c</sup>	mg/L Al	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	8.42	0.010





PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	DETECTION LIMIT
			INFLUENT T22AS681-0003	
CADMIUM <sup>c</sup>	mg/L Cd	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	ND	0.001
COPPER <sup>c</sup>	mg/L Cu	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	0.021	0.001
IRON <sup>c</sup>	mg/L Fe	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	0.113	0.002
LEAD <sup>c</sup>	mg/L Pb	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	0.002	0.002
MANGANESE <sup>c</sup>	mg/L Mn	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	0.024	0.001
NICKEL <sup>c</sup>	mg/L Ni	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	0.003	0.001
SILVER <sup>c</sup>	mg/L Ag	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	ND	0.005
ZINC <sup>c</sup>	mg/L Zn	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	0.032	0.001
<b>SAMPLE CONDITION</b> WATER'S COLOUR/TURBID SEDIMENT			YELLOW/TURBID YELLOW	

<sup>a</sup> : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

<sup>b</sup> : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

<sup>c</sup> : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

IN-HOUSE : BASED ON STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

\* : FLOW RATE CANNOT BE MEASURED.

ND : NON-DETECTABLE.

< LOQ : < LIMIT OF QUANTITATION (TOTAL KJELDAHL NITROGEN  $\geq$  1.5 AND < 5.0 mg/L).

*Benjawan V.*

(MISS BENJAWAN VIRIYOTHAI)  
LABORATORY SUPERVISOR

SEPTEMBER 30, 2022

## ANALYSIS REPORT

**CUSTOMER NAME** : ROJANA INDUSTRIAL MANAGEMENT COMPANY LIMITED  
**ADDRESS** : 2034/115 26TH FLOOR ITALTHAI TOWER, NEW PETCHBURI ROAD BANG KAPI HUAI KHWANG BANGKOK 10310  
**CONTACT INFORMATION** : TEL : 0 2318 6788 e-mail : dusadee\_kpy@hotmail.com  
**SAMPLING SOURCE** : BOWIN  
**SAMPLE TYPE** : EFFLUENT  
**SAMPLING DATE** : SEPTEMBER 20, 2022  
**SAMPLING TIME** : 10:30 HOUR  
**SAMPLING METHOD** <sup>c</sup> : GRAB  
**SAMPLING BY** <sup>c</sup> : MR NAPASIT SRIPIM  
**ANALYZED BY** : MISS AMONRAT PUTTALEE

**RECEIVED DATE** : SEPTEMBER 21, 2022  
**ANALYTICAL DATE** : SEPTEMBER 21-30, 2022  
**REPORT NO.** : 2022-U077255  
**WORK NO.** : 2021-008810  
**ANALYSIS NO.** : T22AS681-0004

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			EFFLUENT T22AS681-0004		
pH <sup>c</sup>	-	ELECTROMETRIC METHOD AT SITE (SM:4500-H <sup>+</sup> B)	7.8 (30°C)	5.5-9.0	-
ELECTRICAL CONDUCTIVITY <sup>c</sup>	µmhos/cm	ELECTRICAL CONDUCTIVITY METHOD AT SITE (SM: 2510 B)	4,100 (30°C)	-	0.1
TEMPERATURE <sup>c</sup>	°C	THERMOMETER AT SITE (SM: 2550 B)	30	≤ 40	-
DISSOLVED OXYGEN <sup>c</sup>	mg/L	MEMBRANE ELECTRODE METHOD AT SITE (SM: 4500-O G)	4.8	-	0.5
FLOW RATE <sup>a</sup> <sup>c</sup>	m <sup>3</sup> /s	CURRENT METER AND CALCULATION	-	-	-
BIOCHEMICAL OXYGEN DEMAND <sup>a</sup>	mg/L	MEMBRANE ELECTRODE METHOD (SM: 4500-O G AND 5210 B)	4.5	≤ 20	2.0
CHEMICAL OXYGEN DEMAND <sup>a</sup>	mg/L	CLOSED REFLUX, COLOURIMETRIC METHOD (SM: 5220 D)	ND	≤ 120	25.0
TOTAL SUSPENDED SOLIDS <sup>a</sup>	mg/L	TOTAL SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: 2540 D)	17.8	≤ 50	5.0
TOTAL DISSOLVED SOLIDS <sup>b</sup>	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: 2540 C)	3,368	≤ 3,000	25
CHLORIDE <sup>c</sup>	mg/L Cl <sup>-</sup>	ARGENTOMETRIC METHOD (SM: 4500-Cl <sup>-</sup> B)	252	-	2.0
SULPHIDE <sup>b</sup>	mg/L	IODOMETRIC METHOD (SM: 4500-S <sup>2-</sup> F)	< 0.50	≤ 1	0.50
FLUORIDE <sup>c</sup>	mg/L F <sup>-</sup>	ION-SELECTIVE ELECTRODE METHOD (SM: 4500-F C)	5.47	-	0.04
TOTAL KJELDAHL NITROGEN <sup>b</sup>	mg/L	IN-HOUSE METHOD: UAE.TP.WAS.001 (KJELDAHL METHOD); SM: 4500-Norg C	ND	≤ 100	1.5
FAT, OIL AND GREASE <sup>c</sup>	mg/L	SOXHLET EXTRACTION METHOD (SM: 5520 D)	ND	≤ 5	3
CYANIDE <sup>c</sup>	mg/L CN <sup>-</sup>	DISTILLATION, PYRIDINE-BARBITURIC ACID METHOD (SM: 4500-CN <sup>-</sup> C AND 4500 -CN <sup>-</sup> E)	0.332	≤ 0.2	0.005
PHENOLS <sup>c</sup>	mg/L	DISTILLATION, 4-AMINOANTIPYRINE METHOD (SM: 5530 B AND 5530 D)	ND	≤ 1	0.1
FORMALDEHYDE <sup>c</sup>	mg/L	DISTILLATION AND COLOURIMETRIC METHOD	ND	≤ 1	0.05
RESIDUAL FREE CHLORINE <sup>c</sup>	mg/L Cl <sub>2</sub>	MODIFIED DPD COLOURIMETRIC METHOD (AT SITE)	ND	≤ 1	0.1





PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			EFFLUENT T22AS681-0004		
METALS					
ARSENIC °	mg/L As	HYDRIDE GENERATION AAS METHOD (SM: 3114 C)	0.0044	≤ 0.25	0.0003
MERCURY °	mg/L Hg	COLD VAPOUR AAS METHOD (SM: 3112 B)	ND	≤ 0.005	0.0005
HEXAVALENT CHROMIUM °	mg/L Cr <sup>6+</sup>	COLOURIMETRIC METHOD (SM: 3500-Cr B)	ND	≤ 0.25	0.006
ALUMINUM °	mg/L Al	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	2.91	-	0.010
CADMIUM °	mg/L Cd	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	ND	≤ 0.03	0.001
COPPER °	mg/L Cu	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	0.014	≤ 2.0	0.001
IRON °	mg/L Fe	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	0.046	-	0.002
LEAD °	mg/L Pb	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	ND	≤ 0.2	0.002
MANGANESE °	mg/L Mn	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	0.022	≤ 5.0	0.001
NICKEL °	mg/L Ni	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	0.003	≤ 1.0	0.001
SILVER °	mg/L Ag	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	ND	-	0.005

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			EFFLUENT T22AS681-0004		
ZINC <sup>c</sup>	mg/L Zn	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	0.024	≤ 5.0	0.001
<b>SAMPLE CONDITION</b> WATER'S COLOUR/TURBID SEDIMENT			YELLOW/TURBID YELLOW		

<sup>a</sup> : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

<sup>b</sup> : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

<sup>c</sup> : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

IN-HOUSE : BASED ON STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

REGULATORY STANDARD : STANDARD FOR CONTROL THE EFFLUENT FROM INDUSTRIAL PLANTS, INDUSTRIAL ESTATE AND INDUSTRIAL ZONES, NOTIFICATION OF THE MINISTRY OF NATURAL RESOURCES AND ENVIRONMENT B.E. 2559 (2016) AND INDUSTRIAL EFFLUENT STANDARDS, NOTIFICATION OF THE MINISTRY OF INDUSTRY B.E. 2560 (2017).

\* : FLOW RATE CANNOT BE MEASURED.

ND : NON-DETECTABLE.

*Benjawan V.*

(MISS BENJAWAN VIRIYOTHAI)  
LABORATORY SUPERVISOR

SEPTEMBER 30, 2022



## ANALYSIS REPORT

**CUSTOMER NAME** : ROJANA INDUSTRIAL MANAGEMENT COMPANY LIMITED  
**ADDRESS** : 2034/115 26TH FLOOR ITALTHAI TOWER, NEW PETCHBURI ROAD BANG KAPI HUAI KHWANG BANGKOK 10310  
**CONTACT INFORMATION** : TEL : 0 2318 6788 e-mail : dusadee\_kpy@hotmail.com  
**SAMPLING SOURCE** : BOWIN  
**SAMPLE TYPE** : EFFLUENT  
**SAMPLING DATE** : SEPTEMBER 20, 2022  
**SAMPLING TIME** : 10:20 HOUR  
**SAMPLING METHOD °** : GRAB  
**SAMPLING BY °** : MR NAPASIT SRIPIM  
**ANALYZED BY** : MISS AKSARIN BUNKONG

**RECEIVED DATE** : SEPTEMBER 21, 2022  
**ANALYTICAL DATE** : SEPTEMBER 21-29, 2022  
**REPORT NO.** : 2022-U077256  
**WORK NO.** : 2021-008810  
**ANALYSIS NO.** : T22AS681-0005

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			HOLDING POND T22AS681-0005		
pH °	-	ELECTROMETRIC METHOD AT SITE (SM:4500-H <sup>+</sup> B)	8.1 (30°C)	5.5-9.0	-
BIOCHEMICAL OXYGEN DEMAND °	mg/L	MEMBRANE ELECTRODE METHOD (SM: 4500-O <sub>2</sub> G AND 5210 B)	ND	≤ 20	2.0
CHEMICAL OXYGEN DEMAND °	mg/L	CLOSED REFLUX, COLOURIMETRIC METHOD (SM: 5220 D)	ND	≤ 120	25.0
FLUORIDE °	mg/L F <sup>-</sup>	ION-SELECTIVE ELECTRODE METHOD (SM: 4500-F <sup>-</sup> C)	8.46	-	0.04
NITRATE °	mg/L NO <sub>3</sub> <sup>-</sup>	CADMIUM REDUCTION METHOD (SM: 4500 -NO <sub>3</sub> <sup>-</sup> E)	399	-	0.09
METALS					
ARSENIC °	mg/L As	HYDRIDE GENERATION AAS METHOD (SM: 3114 C)	0.0026	≤ 0.25	0.0003
CADMIUM °	mg/L Cd	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	ND	≤ 0.03	0.001
CHROMIUM °	mg/L Cr	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	0.009	-	0.001



PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			HOLDING POND T22AS681-0005		
LEAD <sup>c</sup>	mg/L Pb	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	ND	≤ 0.2	0.002
<b>SAMPLE CONDITION</b>					
WATER'S COLOUR/TURBID			YELLOW/CLEAR		
SEDIMENT			YELLOW		

<sup>a</sup> : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

<sup>b</sup> : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

<sup>c</sup> : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

REGULATORY STANDARD : STANDARD FOR CONTROL THE EFFLUENT FROM INDUSTRIAL PLANTS, INDUSTRIAL ESTATE AND  
INDUSTRIAL ZONES, NOTIFICATION OF THE MINISTRY OF NATURAL RESOURCES AND ENVIRONMENT  
B.E. 2559 (2016) AND INDUSTRIAL EFFLUENT STANDARDS, NOTIFICATION OF THE MINISTRY  
OF INDUSTRY B.E. 2560 (2017).

ND : NON-DETECTABLE.

*Benjawan V.*

(MISS BENJAWAN VIRIYOTHAI)  
LABORATORY SUPERVISOR

SEPTEMBER 30, 2022

## ANALYSIS REPORT

**CUSTOMER NAME** : ROJANA INDUSTRIAL MANAGEMENT COMPANY LIMITED  
**ADDRESS** : 2034/115 26TH FLOOR ITALTHAI TOWER, NEW PETCHBURI ROAD BANG KAPI HUAI KHWANG BANGKOK 10310  
**CONTACT INFORMATION** : TEL : 0 2318 6788 e-mail : dusadee\_kpy@hotmail.com  
**SAMPLING SOURCE** : BOWIN  
**SAMPLE TYPE** : WASTEWATER  
**SAMPLING DATE** : SEPTEMBER 27, 2022  
**SAMPLING TIME** : 09:20 HOUR  
**SAMPLING METHOD °** : GRAB  
**SAMPLING BY °** : MR THANADET WANSANOR  
**ANALYZED BY** : MISS AMONRAT PUTTALEE

**RECEIVED DATE** : SEPTEMBER 27, 2022  
**ANALYTICAL DATE** : SEPTEMBER 27 - OCTOBER 4, 2022  
**REPORT NO.** : 2022-U078610  
**WORK NO.** : 2021-008810  
**ANALYSIS NO.** : T22AT154-0003

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	DETECTION LIMIT
			INFLUENT T22AT154-0003	
pH °	-	ELECTROMETRIC METHOD AT SITE (SM:4500-H° B)	6.6 (31°C)	-
ELECTRICAL CONDUCTIVITY °	µmhos/cm	ELECTRICAL CONDUCTIVITY METHOD AT SITE (SM: 2510 B)	4,240 (31°C)	0.1
BIOCHEMICAL OXYGEN DEMAND °	mg/L	MEMBRANE ELECTRODE METHOD (SM: 4500-O G AND 5210 B)	ND	2.0
CHEMICAL OXYGEN DEMAND °	mg/L	CLOSED REFLUX, COLOURIMETRIC METHOD (SM: 5220 D)	ND	25.0
TOTAL SUSPENDED SOLIDS °	mg/L	TOTAL SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: 2540 D)	23.9	5.0
TOTAL DISSOLVED SOLIDS °	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: 2540 C)	3,620	25
FLUORIDE °	mg/L F°	ION-SELECTIVE ELECTRODE METHOD (SM: 4500-F C)	4.63	0.04
<b>SAMPLE CONDITION</b> WATER'S COLOUR/TURBID SEDIMENT			YELLOW/CLEAR YELLOW	

° : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

° : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

° : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

ND : NON-DETECTABLE.

*Benjawan V.*

(MISS BENJAWAN VIRIYOTHA)  
LABORATORY SUPERVISOR

OCTOBER 7, 2022





## ANALYSIS REPORT

<b>CUSTOMER NAME</b>	: ROJANA INDUSTRIAL MANAGEMENT COMPANY LIMITED	<b>RECEIVED DATE</b>	: SEPTEMBER 27, 2022
<b>ADDRESS</b>	: 2034/115 26TH FLOOR ITALTHAI TOWER, NEW PETCHBURI ROAD BANG KAPI HUAI KHWANG BANGKOK 10310	<b>ANALYTICAL DATE</b>	: SEPTEMBER 27 - OCTOBER 4, 2022
<b>CONTACT INFORMATION</b>	: TEL : 0 2318 6788 e-mail : dusadee_kpy@hotmail.com	<b>REPORT NO.</b>	: 2022-U078611
<b>SAMPLING SOURCE</b>	: BOWIN	<b>WORK NO.</b>	: 2021-008810
<b>SAMPLE TYPE</b>	: EFFLUENT	<b>ANALYSIS NO.</b>	: T22AT154-0004
<b>SAMPLING DATE</b>	: SEPTEMBER 27, 2022		
<b>SAMPLING TIME</b>	: 09:10 HOUR		
<b>SAMPLING METHOD <sup>c</sup></b>	: GRAB		
<b>SAMPLING BY <sup>c</sup></b>	: MR THANADET WANSANOR		
<b>ANALYZED BY</b>	: MISS AMONRAT PUTTALEE		

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			EFFLUENT T22AT154-0004		
pH <sup>c</sup>	-	ELECTROMETRIC METHOD AT SITE (SM:4500-H <sup>+</sup> B)	7.5 (30°C)	5.5-9.0	-
ELECTRICAL CONDUCTIVITY <sup>c</sup>	µmhos/cm	ELECTRICAL CONDUCTIVITY METHOD AT SITE (SM: 2510 B)	4,552 (30°C)	-	0.1
BIOCHEMICAL OXYGEN DEMAND <sup>a</sup>	mg/L	MEMBRANE ELECTRODE METHOD (SM: 4500-O <sub>2</sub> G AND 5210 B)	17.3	≤ 20	2.0
CHEMICAL OXYGEN DEMAND <sup>a</sup>	mg/L	CLOSED REFLUX, COLOURIMETRIC METHOD (SM: 5220 D)	ND	≤ 120	25.0
TOTAL SUSPENDED SOLIDS <sup>a</sup>	mg/L	TOTAL SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: 2540 D)	21.2	≤ 50	5.0
TOTAL DISSOLVED SOLIDS <sup>b</sup>	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: 2540 C)	3,652	≤ 3,000	25
FLUORIDE <sup>c</sup>	mg/L F <sup>-</sup>	ION-SELECTIVE ELECTRODE METHOD (SM: 4500-F <sup>-</sup> C)	5.93	-	0.04
<b>SAMPLE CONDITION</b> WATER'S COLOUR/TURBID SEDIMENT			YELLOW/CLEAR YELLOW		

<sup>a</sup> : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

<sup>b</sup> : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

<sup>c</sup> : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

REGULATORY STANDARD : STANDARD FOR CONTROL THE EFFLUENT FROM INDUSTRIAL PLANTS, INDUSTRIAL ESTATE AND INDUSTRIAL ZONES, NOTIFICATION OF THE MINISTRY OF NATURAL RESOURCES AND ENVIRONMENT B.E. 2559 (2016) AND INDUSTRIAL EFFLUENT STANDARDS, NOTIFICATION OF THE MINISTRY OF INDUSTRY B.E. 2560 (2017).

ND : NON-DETECTABLE.

*Benjawan V.*

(MISS BENJAWAN VIRIYOTHAI)  
LABORATORY SUPERVISOR

OCTOBER 7, 2022



## ANALYSIS REPORT

<b>CUSTOMER NAME</b>	: ROJANA INDUSTRIAL MANAGEMENT COMPANY LIMITED	<b>RECEIVED DATE</b>	: SEPTEMBER 27, 2022
<b>ADDRESS</b>	: 2034/115 26TH FLOOR ITALTHAI TOWER, NEW PETCHBURI ROAD BANG KAPI HUAI KHWANG BANGKOK 10310	<b>ANALYTICAL DATE</b>	: SEPTEMBER 27 - OCTOBER 4, 2022
<b>CONTACT INFORMATION</b>	: TEL : 0 2318 6788 e-mail : dusadee_kpy@hotmail.com	<b>REPORT NO.</b>	: 2022-U078612
<b>SAMPLING SOURCE</b>	: BOWIN	<b>WORK NO.</b>	: 2021-008810
<b>SAMPLE TYPE</b>	: EFFLUENT	<b>ANALYSIS NO.</b>	: T22AT154-0005
<b>SAMPLING DATE</b>	: SEPTEMBER 27, 2022		
<b>SAMPLING TIME</b>	: 08:50 HOUR		
<b>SAMPLING METHOD °</b>	: GRAB		
<b>SAMPLING BY °</b>	: MR THANADET WANSANOR		
<b>ANALYZED BY</b>	: MISS KALLAYA SOMPHONG		

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			HOLDING POND T22AT154-0005		
pH °	-	ELECTROMETRIC METHOD AT SITE (SM:4500-H <sup>+</sup> B)	8.0 (29°C)	5.5-9.0	-
BIOCHEMICAL OXYGEN DEMAND <sup>a</sup>	mg/L	MEMBRANE ELECTRODE METHOD (SM: 4500-O <sub>2</sub> G AND 5210 B)	2.6	≤ 20	2.0
CHEMICAL OXYGEN DEMAND <sup>a</sup>	mg/L	CLOSED REFLUX, COLOURIMETRIC METHOD (SM: 5220 D)	ND	≤ 120	25.0
FLUORIDE °	mg/L F <sup>-</sup>	ION-SELECTIVE ELECTRODE METHOD (SM: 4500-F <sup>-</sup> C)	9.25	-	0.04
NITRATE °	mg/L NO <sub>3</sub> <sup>-</sup>	CADMIUM REDUCTION METHOD (SM: 4500 -NO <sub>3</sub> <sup>-</sup> E)	1,524	-	0.09
METALS					
ARSENIC °	mg/L As	HYDRIDE GENERATION AAS METHOD (SM: 3114 C)	0.0026	≤ 0.25	0.0003
CADMIUM °	mg/L Cd	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	ND	≤ 0.03	0.001
CHROMIUM °	mg/L Cr	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	0.010	-	0.001



PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			HOLDING POND T22AT154-0005		
LEAD <sup>c</sup>	mg/L Pb	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	0.002	≤ 0.2	0.002
<b>SAMPLE CONDITION</b> WATER'S COLOUR/TURBID SEDIMENT			YELLOW/TURBID GREEN		

<sup>a</sup> : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

<sup>b</sup> : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

<sup>c</sup> : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

REGULATORY STANDARD : STANDARD FOR CONTROL THE EFFLUENT FROM INDUSTRIAL PLANTS, INDUSTRIAL ESTATE AND  
INDUSTRIAL ZONES, NOTIFICATION OF THE MINISTRY OF NATURAL RESOURCES AND ENVIRONMENT  
B.E. 2559 (2016) AND INDUSTRIAL EFFLUENT STANDARDS, NOTIFICATION OF THE MINISTRY  
OF INDUSTRY B.E. 2560 (2017).

ND : NON-DETECTABLE.

*Benjawan V.*

(MISS BENJAWAN VIRIYOTHAI)  
LABORATORY SUPERVISOR

OCTOBER 7, 2022



## ANALYSIS REPORT

**CUSTOMER NAME** : ROJANA INDUSTRIAL MANAGEMENT COMPANY LIMITED  
**ADDRESS** : 2034/115 26TH FLOOR ITALTHAI TOWER, NEW PETCHBURI ROAD BANG KAPI HUAI KHWANG BANGKOK 10310  
**CONTACT INFORMATION** : TEL : 0 2318 6788 e-mail : dusadee\_kpy@hotmail.com  
**SAMPLING SOURCE** : BOWIN  
**SAMPLE TYPE** : EFFLUENT  
**SAMPLING DATE** : OCTOBER 6, 2022  
**SAMPLING TIME** : 15:00 HOUR  
**SAMPLING METHOD °** : GRAB  
**SAMPLING BY °** : MR THANADET WANSANOR  
**ANALYZED BY** : MISS KALLAYA SOMPHONG

**RECEIVED DATE** : OCTOBER 7, 2022  
**ANALYTICAL DATE** : OCTOBER 7-17, 2022  
**REPORT NO.** : 2022-U081726  
**WORK NO.** : 2021-008810  
**ANALYSIS NO.** : T22AT935-0003

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			HOLDING POND T22AT935-0003		
pH °	-	ELECTROMETRIC METHOD AT SITE (SM:4500-H+ B)	7.1 (30°C)	5.5-9.0	-
BIOCHEMICAL OXYGEN DEMAND °	mg/L	MEMBRANE ELECTRODE METHOD (SM: 4500-O G AND 5210 B)	ND	≤ 20	2.0
CHEMICAL OXYGEN DEMAND °	mg/L	CLOSED REFLUX, COLOURIMETRIC METHOD (SM: 5220 D)	ND	≤ 120	25.0
FLUORIDE °	mg/L F <sup>-</sup>	ION-SELECTIVE ELECTRODE METHOD (SM: 4500-F C)	8.79	-	0.04
NITRATE °	mg/L NO <sub>3</sub> <sup>-</sup>	CADMIUM REDUCTION METHOD (SM: 4500 -NO <sub>3</sub> E)	291	-	0.09
METALS					
ARSENIC °	mg/L As	HYDRIDE GENERATION AAS METHOD (SM: 3114 C)	0.0031	≤ 0.25	0.0003
CADMIUM °	mg/L Cd	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	ND	≤ 0.03	0.001
CHROMIUM °	mg/L Cr	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	0.009	-	0.001



PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			HOLDING POND T22AT935-0003		
LEAD <sup>c</sup>	mg/L Pb	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	0.004	≤ 0.2	0.002
<b>SAMPLE CONDITION</b> WATER'S COLOUR/TURBID SEDIMENT			YELLOW/CLEAR YELLOW		

<sup>a</sup> : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

<sup>b</sup> : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

<sup>c</sup> : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

REGULATORY STANDARD : STANDARD FOR CONTROL THE EFFLUENT FROM INDUSTRIAL PLANTS, INDUSTRIAL ESTATE AND  
INDUSTRIAL ZONES, NOTIFICATION OF THE MINISTRY OF NATURAL RESOURCES AND ENVIRONMENT  
B.E. 2559 (2016) AND INDUSTRIAL EFFLUENT STANDARDS, NOTIFICATION OF THE MINISTRY  
OF INDUSTRY B.E. 2560 (2017).

ND : NON-DETECTABLE.

*Benjawan V.*

(MISS BENJAWAN VIRIYOTHA)  
LABORATORY SUPERVISOR

OCTOBER 21, 2022

## ANALYSIS REPORT

**CUSTOMER NAME** : ROJANA INDUSTRIAL MANAGEMENT COMPANY LIMITED  
**ADDRESS** : 2034/115 26TH FLOOR ITALTHAI TOWER, NEW PETCHBURI ROAD BANG KAPI HUAI KHWANG BANGKOK 10310  
**CONTACT INFORMATION** : TEL : 0 2318 6788 e-mail : dusadee\_kpy@hotmail.com  
**SAMPLING SOURCE** : BOWIN  
**SAMPLE TYPE** : WASTEWATER  
**SAMPLING DATE** : OCTOBER 6, 2022  
**SAMPLING TIME** : 14:50 HOUR  
**SAMPLING METHOD °** : GRAB  
**SAMPLING BY °** : MR THANADET WANSANOR  
**ANALYZED BY** : MISS AMONRAT PUTTALEE

**RECEIVED DATE** : OCTOBER 7, 2022  
**ANALYTICAL DATE** : OCTOBER 7-17, 2022  
**REPORT NO.** : 2022-U081727  
**WORK NO.** : 2021-008810  
**ANALYSIS NO.** : T22AT935-0004

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	DETECTION LIMIT
			INFLUENT T22AT935-0004	
pH °	-	ELECTROMETRIC METHOD AT SITE (SM:4500-H° B)	6.7 (30°C)	-
ELECTRICAL CONDUCTIVITY °	µmhos/cm	ELECTRICAL CONDUCTIVITY METHOD AT SITE (SM: 2510 B)	4,917 (30°C)	0.1
BIOCHEMICAL OXYGEN DEMAND °	mg/L	MEMBRANE ELECTRODE METHOD (SM: 4500-O G AND 5210 B)	3.0	2.0
CHEMICAL OXYGEN DEMAND °	mg/L	CLOSED REFLUX, COLOURIMETRIC METHOD (SM: 5220 D)	ND	25.0
TOTAL SUSPENDED SOLIDS °	mg/L	TOTAL SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: 2540 D)	34.3	5.0
TOTAL DISSOLVED SOLIDS °	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: 2540 C)	3,696	25
FLUORIDE °	mg/L F°	ION-SELECTIVE ELECTRODE METHOD (SM: 4500-F° C)	9.06	0.04
<b>SAMPLE CONDITION</b> WATER'S COLOUR/TURBID SEDIMENT			YELLOW/TURBID YELLOW	

° : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

° : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

° : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

ND : NON-DETECTABLE.

*Benjawan V.*

(MISS BENJAWAN VIRIYOTHAI)  
LABORATORY SUPERVISOR

OCTOBER 21, 2022





## ANALYSIS REPORT

**CUSTOMER NAME** : ROJANA INDUSTRIAL MANAGEMENT COMPANY LIMITED  
**ADDRESS** : 2034/115 26TH FLOOR ITALTHAI TOWER, NEW PETCHBURI ROAD BANG KAPI HUAI KHWANG BANGKOK 10310  
**CONTACT INFORMATION** : TEL : 0 2318 6788 e-mail : dusadee\_kpy@hotmail.com  
**SAMPLING SOURCE** : BOWIN  
**SAMPLE TYPE** : EFFLUENT  
**SAMPLING DATE** : OCTOBER 6, 2022  
**SAMPLING TIME** : 14:40 HOUR  
**SAMPLING METHOD <sup>c</sup>** : GRAB  
**SAMPLING BY <sup>c</sup>** : MR THANADET WANSANOR  
**ANALYZED BY** : MISS AMONRAT PUTTALEE

**RECEIVED DATE** : OCTOBER 7, 2022  
**ANALYTICAL DATE** : OCTOBER 7-17, 2022  
**REPORT NO.** : 2022-U081728  
**WORK NO.** : 2021-008810  
**ANALYSIS NO.** : T22AT935-0005

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			EFFLUENT T22AT935-0005		
pH <sup>c</sup>	-	ELECTROMETRIC METHOD AT SITE (SM:4500-H <sup>+</sup> B)	7.0 (30°C)	5.5-9.0	-
ELECTRICAL CONDUCTIVITY <sup>c</sup>	µmhos/cm	ELECTRICAL CONDUCTIVITY METHOD AT SITE (SM: 2510 B)	4,792 (30°C)	-	0.1
BIOCHEMICAL OXYGEN DEMAND <sup>a</sup>	mg/L	MEMBRANE ELECTRODE METHOD (SM: 4500-O <sub>2</sub> G AND 5210 B)	3.1	≤ 20	2.0
CHEMICAL OXYGEN DEMAND <sup>a</sup>	mg/L	CLOSED REFLUX, COLOURIMETRIC METHOD (SM: 5220 D)	ND	≤ 120	25.0
TOTAL SUSPENDED SOLIDS <sup>a</sup>	mg/L	TOTAL SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: 2540 D)	29.8	≤ 50	5.0
TOTAL DISSOLVED SOLIDS <sup>b</sup>	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: 2540 C)	3,758	≤ 3,000	25
FLUORIDE <sup>c</sup>	mg/L F <sup>-</sup>	ION-SELECTIVE ELECTRODE METHOD (SM: 4500-F <sup>-</sup> C)	6.68	-	0.04
<b>SAMPLE CONDITION</b> WATER'S COLOUR/TURBID SEDIMENT			YELLOW/TURBID YELLOW		

<sup>a</sup> : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

<sup>b</sup> : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

<sup>c</sup> : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

REGULATORY STANDARD : STANDARD FOR CONTROL THE EFFLUENT FROM INDUSTRIAL PLANTS, INDUSTRIAL ESTATE AND INDUSTRIAL ZONES, NOTIFICATION OF THE MINISTRY OF NATURAL RESOURCES AND ENVIRONMENT B.E. 2559 (2016) AND INDUSTRIAL EFFLUENT STANDARDS, NOTIFICATION OF THE MINISTRY OF INDUSTRY B.E. 2560 (2017).

ND : NON-DETECTABLE.



(MISS BENJAWAN VIRIYOTHA)  
LABORATORY SUPERVISOR

OCTOBER 21, 2022



## ANALYSIS REPORT

**CUSTOMER NAME** : ROJANA INDUSTRIAL MANAGEMENT COMPANY LIMITED  
**ADDRESS** : 2034/115 26TH FLOOR ITALTHAI TOWER, NEW PETCHBURI ROAD BANG KAPI HUAI KHWANG BANGKOK 10310  
**CONTACT INFORMATION** : TEL : 0 2318 6788 e-mail : dusadee\_kpy@hotmail.com  
**SAMPLING SOURCE** : BOWIN  
**SAMPLE TYPE** : WASTEWATER  
**SAMPLING DATE** : OCTOBER 11, 2022  
**SAMPLING TIME** : 10:47 HOUR  
**SAMPLING METHOD °** : GRAB  
**SAMPLING BY °** : MR NAPASIT SRIPIM  
**ANALYZED BY** : MISS AMONRAT PUTTALEE

**RECEIVED DATE** : OCTOBER 11, 2022  
**ANALYTICAL DATE** : OCTOBER 11-18, 2022  
**REPORT NO.** : 2022-U082688  
**WORK NO.** : 2021-008810  
**ANALYSIS NO.** : T22AU236-0003

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	DETECTION LIMIT
			INFLUENT T22AU236-0003	
pH °	-	ELECTROMETRIC METHOD AT SITE (SM:4500-H° B)	6.0 (30°C)	-
ELECTRICAL CONDUCTIVITY °	µmhos/cm	ELECTRICAL CONDUCTIVITY METHOD AT SITE (SM: 2510 B)	3,829 (30°C)	0.1
BIOCHEMICAL OXYGEN DEMAND °	mg/L	MEMBRANE ELECTRODE METHOD (SM: 4500-O G AND 5210 B)	ND	2.0
CHEMICAL OXYGEN DEMAND °	mg/L	CLOSED REFLUX, COLOURIMETRIC METHOD (SM: 5220 D)	ND	25.0
TOTAL SUSPENDED SOLIDS °	mg/L	TOTAL SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: 2540 D)	ND	5.0
TOTAL DISSOLVED SOLIDS °	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: 2540 C)	3,520	25
FLUORIDE °	mg/L F°	ION-SELECTIVE ELECTRODE METHOD (SM: 4500-F° C)	4.42	0.04
<b>SAMPLE CONDITION</b>				
WATER'S COLOUR/TURBID			YELLOW/CLEAR	
SEDIMENT			YELLOW	

° : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

° : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

° : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

ND : NON-DETECTABLE.

*Benjawan V.*

(MISS BENJAWAN VIRIYOTHAJ)  
LABORATORY SUPERVISOR

OCTOBER 26, 2022





## ANALYSIS REPORT

**CUSTOMER NAME** : ROJANA INDUSTRIAL MANAGEMENT COMPANY LIMITED  
**ADDRESS** : 2034/115 26TH FLOOR ITALTHAI TOWER, NEW PETCHBURI ROAD BANG KAPI HUAI KHWANG BANGKOK 10310  
**CONTACT INFORMATION** : TEL : 0 2318 6788 e-mail : dusadee\_kpy@hotmail.com  
**SAMPLING SOURCE** : BOWIN  
**SAMPLE TYPE** : EFFLUENT  
**SAMPLING DATE** : OCTOBER 11, 2022  
**SAMPLING TIME** : 10:40 HOUR  
**SAMPLING METHOD <sup>c</sup>** : GRAB  
**SAMPLING BY <sup>c</sup>** : MR NAPASIT SRIPIM  
**ANALYZED BY** : MISS AMONRAT PUTTALEE

**RECEIVED DATE** : OCTOBER 11, 2022  
**ANALYTICAL DATE** : OCTOBER 11-18, 2022  
**REPORT NO.** : 2022-U082689  
**WORK NO.** : 2021-008810  
**ANALYSIS NO.** : T22AU236-0004

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			EFFLUENT T22AU236-0004		
pH <sup>c</sup>	-	ELECTROMETRIC METHOD AT SITE (SM:4500-H <sup>+</sup> B)	6.7 (29°C)	5.5-9.0	-
ELECTRICAL CONDUCTIVITY <sup>c</sup>	µmhos/cm	ELECTRICAL CONDUCTIVITY METHOD AT SITE (SM: 2510 B)	3,988 (29°C)	-	0.1
BIOCHEMICAL OXYGEN DEMAND <sup>a</sup>	mg/L	MEMBRANE ELECTRODE METHOD (SM: 4500-O G AND 5210 B)	ND	≤ 20	2.0
CHEMICAL OXYGEN DEMAND <sup>a</sup>	mg/L	CLOSED REFLUX, COLOURIMETRIC METHOD (SM: 5220 D)	ND	≤ 120	25.0
TOTAL SUSPENDED SOLIDS <sup>a</sup>	mg/L	TOTAL SUSPENDED SOLIDS DRIED AT 103- 105 °C (SM: 2540 D)	22.4	≤ 50	5.0
TOTAL DISSOLVED SOLIDS <sup>b</sup>	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: 2540 C)	3,510	≤ 3,000	25
FLUORIDE <sup>c</sup>	mg/L F <sup>-</sup>	ION-SELECTIVE ELECTRODE METHOD (SM: 4500-F <sup>-</sup> C)	6.16	-	0.04
<b>SAMPLE CONDITION</b> WATER'S COLOUR/TURBID SEDIMENT			YELLOW/TURBID YELLOW		

<sup>a</sup> : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

<sup>b</sup> : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

<sup>c</sup> : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

REGULATORY STANDARD : STANDARD FOR CONTROL THE EFFLUENT FROM INDUSTRIAL PLANTS, INDUSTRIAL ESTATE AND INDUSTRIAL ZONES, NOTIFICATION OF THE MINISTRY OF NATURAL RESOURCES AND ENVIRONMENT B.E. 2559 (2016) AND INDUSTRIAL EFFLUENT STANDARDS, NOTIFICATION OF THE MINISTRY OF INDUSTRY B.E. 2560 (2017).

ND : NON-DETECTABLE.

*Benjawan V.*

(MISS BENJAWAN VIRIYOTHA)  
LABORATORY SUPERVISOR

OCTOBER 26, 2022



## ANALYSIS REPORT

<b>CUSTOMER NAME</b>	: ROJANA INDUSTRIAL MANAGEMENT COMPANY LIMITED	<b>RECEIVED DATE</b>	: OCTOBER 11, 2022
<b>ADDRESS</b>	: 2034/115 26TH FLOOR ITALTHAI TOWER, NEW PETCHBURI ROAD BANG KAPI HUAI KHWANG BANGKOK 10310	<b>ANALYTICAL DATE</b>	: OCTOBER 11-18, 2022
<b>CONTACT INFORMATION</b>	: TEL : 0 2318 6788 e-mail : dusadee_kpy@hotmail.com	<b>REPORT NO.</b>	: 2022-U082690
<b>SAMPLING SOURCE</b>	: BOWIN	<b>WORK NO.</b>	: 2021-008810
<b>SAMPLE TYPE</b>	: EFFLUENT	<b>ANALYSIS NO.</b>	: T22AU236-0005
<b>SAMPLING DATE</b>	: OCTOBER 11, 2022		
<b>SAMPLING TIME</b>	: 10:30 HOUR		
<b>SAMPLING METHOD °</b>	: GRAB		
<b>SAMPLING BY °</b>	: MR NAPASIT SRIPIM		
<b>ANALYZED BY</b>	: MISS KALLAYA SOMPHONG		

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			HOLDING POND T22AU236-0005		
pH °	-	ELECTROMETRIC METHOD AT SITE (SM:4500-H+ B)	7.7 (29°C)	5.5-9.0	-
BIOCHEMICAL OXYGEN DEMAND °	mg/L	MEMBRANE ELECTRODE METHOD (SM: 4500-O G AND 5210 B)	ND	≤ 20	2.0
CHEMICAL OXYGEN DEMAND °	mg/L	CLOSED REFLUX, COLOURIMETRIC METHOD (SM: 5220 D)	ND	≤ 120	25.0
FLUORIDE °	mg/L F <sup>-</sup>	ION-SELECTIVE ELECTRODE METHOD (SM: 4500-F C)	8.95	-	0.04
NITRATE °	mg/L NO <sub>3</sub> <sup>-</sup>	CADMIUM REDUCTION METHOD (SM: 4500 -NO <sub>3</sub> <sup>-</sup> E)	364	-	0.09
METALS					
ARSENIC °	mg/L As	HYDRIDE GENERATION AAS METHOD (SM: 3114 C)	0.0027	≤ 0.25	0.0003
CADMIUM °	mg/L Cd	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	ND	≤ 0.03	0.001
CHROMIUM °	mg/L Cr	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	0.009	-	0.001



PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			HOLDING POND T22AU236-0005		
LEAD <sup>c</sup>	mg/L Pb	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	0.002	≤ 0.2	0.002
<b>SAMPLE CONDITION</b> WATER'S COLOUR/TURBID SEDIMENT			YELLOW/CLEAR YELLOW		

<sup>a</sup> : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

<sup>b</sup> : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

<sup>c</sup> : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

REGULATORY STANDARD : STANDARD FOR CONTROL THE EFFLUENT FROM INDUSTRIAL PLANTS, INDUSTRIAL ESTATE AND INDUSTRIAL ZONES, NOTIFICATION OF THE MINISTRY OF NATURAL RESOURCES AND ENVIRONMENT B.E. 2559 (2016) AND INDUSTRIAL EFFLUENT STANDARDS, NOTIFICATION OF THE MINISTRY OF INDUSTRY B.E. 2560 (2017).

ND : NON-DETECTABLE.

*Benjawan V.*

(MISS BENJAWAN VIRIYOTHAI)  
LABORATORY SUPERVISOR

OCTOBER 26, 2022



## ANALYSIS REPORT

**CUSTOMER NAME** : ROJANA INDUSTRIAL MANAGEMENT COMPANY LIMITED  
**ADDRESS** : 2034/115 26TH FLOOR ITALTHAI TOWER, NEW PETCHBURI ROAD BANG KAPI HUAI KHWANG BANGKOK 10310  
**CONTACT INFORMATION** : TEL : 0 2318 6788 e-mail : dusadee\_kpy@hotmail.com  
**SAMPLING SOURCE** : BOWIN  
**SAMPLE TYPE** : WASTEWATER  
**SAMPLING DATE** : OCTOBER 19, 2022  
**SAMPLING TIME** : 09:30 HOUR  
**SAMPLING METHOD <sup>c</sup>** : GRAB  
**SAMPLING BY <sup>c</sup>** : MR NAPASIT SRIPIM  
**ANALYZED BY** : MISS AMONRAT PUTTALEE

**RECEIVED DATE** : OCTOBER 19, 2022  
**ANALYTICAL DATE** : OCTOBER 19-31, 2022  
**REPORT NO.** : 2022-U085483  
**WORK NO.** : 2021-008810  
**ANALYSIS NO.** : T22AU729-0003

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	DETECTION LIMIT
			INFLUENT T22AU729-0003	
pH <sup>c</sup>	-	ELECTROMETRIC METHOD AT SITE (SM:4500-H <sup>+</sup> B)	6.7 (29°C)	-
ELECTRICAL CONDUCTIVITY <sup>c</sup>	µmhos/cm	ELECTRICAL CONDUCTIVITY METHOD AT SITE (SM: 2510 B)	4,950 (29°C)	0.1
TEMPERATURE <sup>c</sup>	°C	THERMOMETER AT SITE (SM: 2550 B)	29	-
DISSOLVED OXYGEN <sup>c</sup>	mg/L	MEMBRANE ELECTRODE METHOD AT SITE (SM: 4500-O G)	3.5	0.5
FLOW RATE <sup>c</sup>	m³/s	CURRENT METER AND CALCULATION	-	-
BIOCHEMICAL OXYGEN DEMAND <sup>a</sup>	mg/L	MEMBRANE ELECTRODE METHOD (SM: 4500-O G AND 5210 B)	ND	2.0
CHEMICAL OXYGEN DEMAND <sup>a</sup>	mg/L	CLOSED REFLUX, COLOURIMETRIC METHOD (SM: 5220 D)	ND	25.0
TOTAL SUSPENDED SOLIDS <sup>a</sup>	mg/L	TOTAL SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: 2540 D)	25.0	5.0
TOTAL DISSOLVED SOLIDS <sup>b</sup>	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: 2540 C)	3,781	25
CHLORIDE <sup>c</sup>	mg/L Cl <sup>-</sup>	ARGENTOMETRIC METHOD (SM: 4500-Cl <sup>-</sup> B)	241	2.0
SULPHIDE <sup>b</sup>	mg/L	IODOMETRIC METHOD (SM: 4500-S <sup>2-</sup> F)	< 0.50	0.50
FLUORIDE <sup>c</sup>	mg/L F <sup>-</sup>	ION-SELECTIVE ELECTRODE METHOD (SM: 4500-F <sup>-</sup> C)	5.03	0.04
TOTAL KJELDAHL NITROGEN <sup>b</sup>	mg/L	IN-HOUSE METHOD: UAE.TP.WAS.001 (KJELDAHL METHOD); SM: 4500-Norg C	< LOQ	1.5
FAT, OIL AND GREASE <sup>c</sup>	mg/L	SOXHLET EXTRACTION METHOD (SM: 5520 D)	ND	3
CYANIDE <sup>c</sup>	mg/L CN <sup>-</sup>	DISTILLATION, PYRIDINE-BARBITURIC ACID METHOD (SM: 4500-CN <sup>-</sup> C AND 4500-CN <sup>-</sup> E)	0.729	0.005
PHENOLS <sup>c</sup>	mg/L	DISTILLATION, 4-AMINOANTIPYRINE METHOD (SM: 5530 B AND 5530 D)	ND	0.1
FORMALDEHYDE <sup>c</sup>	mg/L	DISTILLATION AND COLOURIMETRIC METHOD	ND	0.05
RESIDUAL FREE CHLORINE <sup>c</sup>	mg/L Cl <sub>2</sub>	MODIFIED DPD COLOURIMETRIC METHOD (AT SITE)	ND	0.1
<b>METALS</b>				
ARSENIC <sup>c</sup>	mg/L As	HYDRIDE GENERATION AAS METHOD (SM: 3114 C)	0.0015	0.0003
MERCURY <sup>c</sup>	mg/L Hg	COLD VAPOUR AAS METHOD (SM: 3112 B)	ND	0.0005
HEXAVALENT CHROMIUM <sup>c</sup>	mg/L Cr <sup>6+</sup>	COLOURIMETRIC METHOD (SM: 3500-Cr B)	ND	0.006
ALUMINUM <sup>c</sup>	mg/L Al	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	4.11	0.010



PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	DETECTION LIMIT
			INFLUENT T22AU729-0003	
CADMIUM <sup>c</sup>	mg/L Cd	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	0.001	0.001
COPPER <sup>c</sup>	mg/L Cu	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	0.007	0.001
IRON <sup>c</sup>	mg/L Fe	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	0.069	0.002
LEAD <sup>c</sup>	mg/L Pb	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	0.002	0.002
MANGANESE <sup>c</sup>	mg/L Mn	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	0.027	0.001
NICKEL <sup>c</sup>	mg/L Ni	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	0.005	0.001
SILVER <sup>c</sup>	mg/L Ag	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	ND	0.005
ZINC <sup>c</sup>	mg/L Zn	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	0.026	0.001
<b>SAMPLE CONDITION</b> WATER'S COLOUR/TURBID SEDIMENT			YELLOW/CLEAR YELLOW	

<sup>a</sup> : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

<sup>b</sup> : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

<sup>c</sup> : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

IN-HOUSE : BASED ON STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

\* : FLOW RATE CANNOT BE MEASURED.

ND : NON-DETECTABLE.

< LOQ : < LIMIT OF QUANTITATION (TOTAL KJELDAHL NITROGEN  $\geq 1.5$  AND < 5.0 mg/L).

*Benjawan V.*

(MISS BENJAWAN VIRIYOTHAI)  
LABORATORY SUPERVISOR

NOVEMBER 1, 2022



## ANALYSIS REPORT

**CUSTOMER NAME** : ROJANA INDUSTRIAL MANAGEMENT COMPANY LIMITED  
**ADDRESS** : 2034/115 26TH FLOOR ITALTHAI TOWER, NEW PETCHBURI ROAD BANG KAPI HUAI KHWANG BANGKOK 10310  
**CONTACT INFORMATION** : TEL : 0 2318 6788 e-mail : dusadee\_kpy@hotmail.com  
**SAMPLING SOURCE** : BOWIN  
**SAMPLE TYPE** : EFFLUENT  
**SAMPLING DATE** : OCTOBER 19, 2022  
**SAMPLING TIME** : 09:20 HOUR  
**SAMPLING METHOD** <sup>c</sup> : GRAB  
**SAMPLING BY** <sup>c</sup> : MR NAPASIT SRIPIM  
**ANALYZED BY** : MISS AMONRAT PUTTALEE

**RECEIVED DATE** : OCTOBER 19, 2022  
**ANALYTICAL DATE** : OCTOBER 19-31, 2022  
**REPORT NO.** : 2022-U085485  
**WORK NO.** : 2021-008810  
**ANALYSIS NO.** : T22AU729-0004

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			EFFLUENT T22AU729-0004		
pH <sup>c</sup>	-	ELECTROMETRIC METHOD AT SITE (SM:4500-H <sup>+</sup> B)	7.3 (30°C)	5.5-9.0	-
ELECTRICAL CONDUCTIVITY <sup>c</sup>	µmhos/cm	ELECTRICAL CONDUCTIVITY METHOD AT SITE (SM: 2510 B)	4,730 (30°C)	-	0.1
TEMPERATURE <sup>c</sup>	°C	THERMOMETER AT SITE (SM: 2550 B)	30	≤ 40	-
DISSOLVED OXYGEN <sup>c</sup>	mg/L	MEMBRANE ELECTRODE METHOD AT SITE (SM: 4500-O G)	5.4	-	0.5
FLOW RATE <sup>a</sup> <sup>c</sup>	m³/s	CURRENT METER AND CALCULATION	-	-	-
BIOCHEMICAL OXYGEN DEMAND <sup>a</sup>	mg/L	MEMBRANE ELECTRODE METHOD (SM: 4500-O G AND 5210 B)	ND	≤ 20	2.0
CHEMICAL OXYGEN DEMAND <sup>a</sup>	mg/L	CLOSED REFLUX, COLOURIMETRIC METHOD (SM: 5220 D)	ND	≤ 120	25.0
TOTAL SUSPENDED SOLIDS <sup>a</sup>	mg/L	TOTAL SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: 2540 D)	16.7	≤ 50	5.0
TOTAL DISSOLVED SOLIDS <sup>b</sup>	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: 2540 C)	3,707	≤ 3,000	25
CHLORIDE <sup>c</sup>	mg/L Cl <sup>-</sup>	ARGENTOMETRIC METHOD (SM: 4500-Cl <sup>-</sup> B)	231	-	2.0
SULPHIDE <sup>b</sup>	mg/L	IODOMETRIC METHOD (SM: 4500-S <sup>2-</sup> F)	< 0.50	≤ 1	0.50
FLUORIDE <sup>c</sup>	mg/L F <sup>-</sup>	ION-SELECTIVE ELECTRODE METHOD (SM: 4500-F <sup>-</sup> C)	6.21	-	0.04
TOTAL KJELDAHL NITROGEN <sup>b</sup>	mg/L	IN-HOUSE METHOD: UAE.TP.WAS.001 (KJELDAHL METHOD); SM: 4500-Norg C	< LOQ	≤ 100	1.5
FAT, OIL AND GREASE <sup>c</sup>	mg/L	SOXHLET EXTRACTION METHOD (SM: 5520 D)	ND	≤ 5	3
CYANIDE <sup>c</sup>	mg/L CN <sup>-</sup>	DISTILLATION, PYRIDINE-BARBITURIC ACID METHOD (SM: 4500-CN <sup>-</sup> C AND 4500-CN <sup>-</sup> E)	0.529	≤ 0.2	0.005
PHENOLS <sup>c</sup>	mg/L	DISTILLATION, 4-AMINOANTIPYRINE METHOD (SM: 5530 B AND 5530 D)	ND	≤ 1	0.1
FORMALDEHYDE <sup>c</sup>	mg/L	DISTILLATION AND COLOURIMETRIC METHOD	ND	≤ 1	0.05
RESIDUAL FREE CHLORINE <sup>c</sup>	mg/L Cl <sub>2</sub>	MODIFIED DPD COLOURIMETRIC METHOD (AT SITE)	ND	≤ 1	0.1



PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			EFFLUENT T22AU729-0004		
METALS					
ARSENIC <sup>c</sup>	mg/L As	HYDRIDE GENERATION AAS METHOD (SM: 3114 C)	0.0013	≤ 0.25	0.0003
MERCURY <sup>c</sup>	mg/L Hg	COLD VAPOUR AAS METHOD (SM: 3112 B)	ND	≤ 0.005	0.0005
HEXAVALENT CHROMIUM <sup>c</sup>	mg/L Cr <sup>6+</sup>	COLOURIMETRIC METHOD (SM: 3500-Cr B)	ND	≤ 0.25	0.006
ALUMINUM <sup>c</sup>	mg/L Al	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	2.81	-	0.010
CADMIUM <sup>c</sup>	mg/L Cd	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	0.001	≤ 0.03	0.001
COPPER <sup>c</sup>	mg/L Cu	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	0.007	≤ 2.0	0.001
IRON <sup>c</sup>	mg/L Fe	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	0.056	-	0.002
LEAD <sup>c</sup>	mg/L Pb	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	ND	≤ 0.2	0.002
MANGANESE <sup>c</sup>	mg/L Mn	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	0.028	≤ 5.0	0.001
NICKEL <sup>c</sup>	mg/L Ni	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	0.005	≤ 1.0	0.001
SILVER <sup>c</sup>	mg/L Ag	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	ND	-	0.005



PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			EFFLUENT T22AU729-0004		
ZINC <sup>c</sup>	mg/L Zn	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	0.030	≤ 5.0	0.001
<b>SAMPLE CONDITION</b> WATER'S COLOUR/TURBID SEDIMENT			YELLOW/CLEAR YELLOW		

<sup>a</sup> : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

<sup>b</sup> : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

<sup>c</sup> : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

IN-HOUSE : BASED ON STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

REGULATORY STANDARD : STANDARD FOR CONTROL THE EFFLUENT FROM INDUSTRIAL PLANTS, INDUSTRIAL ESTATE AND INDUSTRIAL ZONES, NOTIFICATION OF THE MINISTRY OF NATURAL RESOURCES AND ENVIRONMENT B.E. 2559 (2016) AND INDUSTRIAL EFFLUENT STANDARDS, NOTIFICATION OF THE MINISTRY OF INDUSTRY B.E. 2560 (2017).

\* : FLOW RATE CANNOT BE MEASURED.

ND : NON-DETECTABLE.

< LOQ : < LIMIT OF QUANTITATION (TOTAL KJELDAHL NITROGEN ≥ 1.5 AND < 5.0 mg/L).

*Benjawan V.*

(MISS BENJAWAN VIRIYOTHA)  
LABORATORY SUPERVISOR

NOVEMBER 1, 2022

## ANALYSIS REPORT

**CUSTOMER NAME** : ROJANA INDUSTRIAL MANAGEMENT COMPANY LIMITED  
**ADDRESS** : 2034/115 26TH FLOOR ITALTHAI TOWER, NEW PETCHBURI ROAD BANG KAPI HUAI KHWANG BANGKOK 10310  
**CONTACT INFORMATION** : TEL : 0 2318 6788 e-mail : dusadee\_kpy@hotmail.com  
**SAMPLING SOURCE** : BOWIN  
**SAMPLE TYPE** : EFFLUENT  
**SAMPLING DATE** : OCTOBER 19, 2022  
**SAMPLING TIME** : 09:05 HOUR  
**SAMPLING METHOD <sup>c</sup>** : GRAB  
**SAMPLING BY <sup>c</sup>** : MR NAPASIT SRIPIM  
**ANALYZED BY** : MISS AKSARIN BUNKONG

**RECEIVED DATE** : OCTOBER 19, 2022  
**ANALYTICAL DATE** : OCTOBER 19-26, 2022  
**REPORT NO.** : 2022-U085487  
**WORK NO.** : 2021-008810  
**ANALYSIS NO.** : T22AU729-0005

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			HOLDING POND T22AU729-0005		
pH <sup>c</sup>	-	ELECTROMETRIC METHOD AT SITE (SM:4500-H <sup>+</sup> B)	8.0 (29°C)	5.5-9.0	-
BIOCHEMICAL OXYGEN DEMAND <sup>a</sup>	mg/L	MEMBRANE ELECTRODE METHOD (SM: 4500-O <sub>2</sub> G AND 5210 B)	ND	≤ 20	2.0
CHEMICAL OXYGEN DEMAND <sup>a</sup>	mg/L	CLOSED REFLUX, COLOURIMETRIC METHOD (SM: 5220 D)	ND	≤ 120	25.0
FLUORIDE <sup>c</sup>	mg/L F <sup>-</sup>	ION-SELECTIVE ELECTRODE METHOD (SM: 4500-F <sup>-</sup> C)	9.19	-	0.04
NITRATE <sup>c</sup>	mg/L NO <sub>3</sub> <sup>-</sup>	CADMIUM REDUCTION METHOD (SM: 4500 -NO <sub>3</sub> <sup>-</sup> E)	1,364	-	0.09
METALS					
ARSENIC <sup>c</sup>	mg/L As	HYDRIDE GENERATION AAS METHOD (SM: 3114 C)	0.0021	≤ 0.25	0.0003
CADMIUM <sup>c</sup>	mg/L Cd	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	0.001	≤ 0.03	0.001
CHROMIUM <sup>c</sup>	mg/L Cr	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	0.011	-	0.001



PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			HOLDING POND T22AU729-0005		
LEAD <sup>c</sup>	mg/L Pb	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	0.003	≤ 0.2	0.002
<b>SAMPLE CONDITION</b> WATER'S COLOUR/TURBID SEDIMENT			YELLOW/CLEAR YELLOW		

<sup>a</sup> : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

<sup>b</sup> : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

<sup>c</sup> : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

REGULATORY STANDARD : STANDARD FOR CONTROL THE EFFLUENT FROM INDUSTRIAL PLANTS, INDUSTRIAL ESTATE AND  
INDUSTRIAL ZONES, NOTIFICATION OF THE MINISTRY OF NATURAL RESOURCES AND ENVIRONMENT  
B.E. 2559 (2016) AND INDUSTRIAL EFFLUENT STANDARDS, NOTIFICATION OF THE MINISTRY  
OF INDUSTRY B.E. 2560 (2017).

ND : NON-DETECTABLE.

*Benjawan V.*

(MISS BENJAWAN VIRIYOTHAI)  
LABORATORY SUPERVISOR

NOVEMBER 1, 2022



## ANALYSIS REPORT

<b>CUSTOMER NAME</b>	: ROJANA INDUSTRIAL MANAGEMENT COMPANY LIMITED	<b>RECEIVED DATE</b>	: OCTOBER 25, 2022
<b>ADDRESS</b>	: 2034/115 26TH FLOOR ITALTHAI TOWER, NEW PETCHBURI ROAD BANG KAPI HUAI KHWANG BANGKOK 10310	<b>ANALYTICAL DATE</b>	: OCTOBER 25 - NOVEMBER 1, 2022
<b>CONTACT INFORMATION</b>	: TEL : 0 2318 6788 e-mail : dusadee_kpy@hotmail.com	<b>REPORT NO.</b>	: 2022-U086242
<b>SAMPLING SOURCE</b>	: BOWIN	<b>WORK NO.</b>	: 2021-008810
<b>SAMPLE TYPE</b>	: WASTEWATER	<b>ANALYSIS NO.</b>	: T22AV156-0003
<b>SAMPLING DATE</b>	: OCTOBER 25, 2022		
<b>SAMPLING TIME</b>	: 10:46 HOUR		
<b>SAMPLING METHOD <sup>c</sup></b>	: GRAB		
<b>SAMPLING BY <sup>c</sup></b>	: MR NAPASIT SRIPIM		
<b>ANALYZED BY</b>	: MISS AMONRAT PUTTALEE		

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	DETECTION LIMIT
			INFLUENT T22AV156-0003	
pH <sup>c</sup>	-	ELECTROMETRIC METHOD AT SITE (SM:4500-H <sup>+</sup> B)	6.8 (32°C)	-
ELECTRICAL CONDUCTIVITY <sup>c</sup>	µmhos/cm	ELECTRICAL CONDUCTIVITY METHOD AT SITE (SM: 2510 B)	3,660 (32°C)	0.1
BIOCHEMICAL OXYGEN DEMAND <sup>a</sup>	mg/L	MEMBRANE ELECTRODE METHOD (SM: 4500-O <sub>2</sub> G AND 5210 B)	3.8	2.0
CHEMICAL OXYGEN DEMAND <sup>a</sup>	mg/L	CLOSED REFLUX, COLOURIMETRIC METHOD (SM: 5220 D)	26.0	25.0
TOTAL SUSPENDED SOLIDS <sup>a</sup>	mg/L	TOTAL SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: 2540 D)	212	5.0
TOTAL DISSOLVED SOLIDS <sup>b</sup>	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: 2540 C)	3,520	25
FLUORIDE <sup>c</sup>	mg/L F <sup>-</sup>	ION-SELECTIVE ELECTRODE METHOD (SM: 4500-F <sup>-</sup> C)	5.47	0.04
<b>SAMPLE CONDITION</b>				
WATER'S COLOUR/TURBID			YELLOW/CLEAR	
SEDIMENT			YELLOW	

<sup>a</sup> : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

<sup>b</sup> : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

<sup>c</sup> : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

*Benjawan V.*

(MISS BENJAWAN VIRIYOTHAJ)  
LABORATORY SUPERVISOR

NOVEMBER 4, 2022



## ANALYSIS REPORT

**CUSTOMER NAME** : ROJANA INDUSTRIAL MANAGEMENT COMPANY LIMITED  
**ADDRESS** : 2034/115 26TH FLOOR ITALTHAI TOWER, NEW PETCHBURI ROAD BANG KAPI HUAI KHWANG BANGKOK 10310  
**CONTACT INFORMATION** : TEL : 0 2318 6788 e-mail : dusadee\_kpy@hotmail.com  
**SAMPLING SOURCE** : BOWIN  
**SAMPLE TYPE** : EFFLUENT  
**SAMPLING DATE** : OCTOBER 25, 2022  
**SAMPLING TIME** : 10:41 HOUR  
**SAMPLING METHOD** : GRAB  
**SAMPLING BY** : MR NAPASIT SRIPIM  
**ANALYZED BY** : MISS AMONRAT PUTTALEE

**RECEIVED DATE** : OCTOBER 25, 2022  
**ANALYTICAL DATE** : OCTOBER 25 - NOVEMBER 1, 2022  
**REPORT NO.** : 2022-U086243  
**WORK NO.** : 2021-008810  
**ANALYSIS NO.** : T22AV156-0004

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			EFFLUENT T22AV156-0004		
pH <sup>c</sup>	-	ELECTROMETRIC METHOD AT SITE (SM:4500-H <sup>+</sup> B)	7.1 (32°C)	5.5-9.0	-
ELECTRICAL CONDUCTIVITY <sup>c</sup>	µmhos/cm	ELECTRICAL CONDUCTIVITY METHOD AT SITE (SM: 2510 B)	4,120 (31°C)	-	0.1
BIOCHEMICAL OXYGEN DEMAND <sup>a</sup>	mg/L	MEMBRANE ELECTRODE METHOD (SM: 4500-O <sub>2</sub> G AND 5210 B)	ND	≤ 20	2.0
CHEMICAL OXYGEN DEMAND <sup>a</sup>	mg/L	CLOSED REFLUX, COLOURIMETRIC METHOD (SM: 5220 D)	52.5	≤ 120	25.0
TOTAL SUSPENDED SOLIDS <sup>a</sup>	mg/L	TOTAL SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: 2540 D)	18.9	≤ 50	5.0
TOTAL DISSOLVED SOLIDS <sup>b</sup>	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: 2540 C)	3,994	≤ 3,000	25
FLUORIDE <sup>c</sup>	mg/L F <sup>-</sup>	ION-SELECTIVE ELECTRODE METHOD (SM: 4500-F C)	9.62	-	0.04
<b>SAMPLE CONDITION</b> WATER'S COLOUR/TURBID SEDIMENT			YELLOW/CLEAR YELLOW		

<sup>a</sup> : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

<sup>b</sup> : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

<sup>c</sup> : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

REGULATORY STANDARD : STANDARD FOR CONTROL THE EFFLUENT FROM INDUSTRIAL PLANTS, INDUSTRIAL ESTATE AND INDUSTRIAL ZONES, NOTIFICATION OF THE MINISTRY OF NATURAL RESOURCES AND ENVIRONMENT B.E. 2559 (2016) AND INDUSTRIAL EFFLUENT STANDARDS, NOTIFICATION OF THE MINISTRY OF INDUSTRY B.E. 2560 (2017).

ND : NON-DETECTABLE.

*Benjawan V.*

(MISS BENJAWAN VIRIYOTHAI)  
LABORATORY SUPERVISOR

NOVEMBER 4, 2022





## ANALYSIS REPORT

<b>CUSTOMER NAME</b>	: ROJANA INDUSTRIAL MANAGEMENT COMPANY LIMITED	<b>RECEIVED DATE</b>	: OCTOBER 25, 2022
<b>ADDRESS</b>	: 2034/115 26TH FLOOR ITALTHAI TOWER, NEW PETCHBURI ROAD BANG KAPI HUAI KHWANG BANGKOK 10310	<b>ANALYTICAL DATE</b>	: OCTOBER 25 - NOVEMBER 1, 2022
<b>CONTACT INFORMATION</b>	: TEL : 0 2318 6788 e-mail : dusadee_kpy@hotmail.com	<b>REPORT NO.</b>	: 2022-U086244
<b>SAMPLING SOURCE</b>	: BOWIN	<b>WORK NO.</b>	: 2021-008810
<b>SAMPLE TYPE</b>	: EFFLUENT	<b>ANALYSIS NO.</b>	: T22AV156-0005
<b>SAMPLING DATE</b>	: OCTOBER 25, 2022		
<b>SAMPLING TIME</b>	: 10:20 HOUR		
<b>SAMPLING METHOD <sup>c</sup></b>	: GRAB		
<b>SAMPLING BY <sup>c</sup></b>	: MR NAPASIT SRIPIM		
<b>ANALYZED BY</b>	: MISS KALLAYA SOMPHONG		

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			HOLDING POND T22AV156-0005		
pH <sup>c</sup>	-	ELECTROMETRIC METHOD AT SITE (SM:4500-H <sup>+</sup> B)	7.4 (31°C)	5.5-9.0	-
BIOCHEMICAL OXYGEN DEMAND <sup>a</sup>	mg/L	MEMBRANE ELECTRODE METHOD (SM: 4500-O <sub>2</sub> G AND 5210 B)	2.6	≤ 20	2.0
CHEMICAL OXYGEN DEMAND <sup>a</sup>	mg/L	CLOSED REFLUX, COLOURIMETRIC METHOD (SM: 5220 D)	ND	≤ 120	25.0
FLUORIDE <sup>c</sup>	mg/L F <sup>-</sup>	ION-SELECTIVE ELECTRODE METHOD (SM: 4500-F <sup>-</sup> C)	9.47	-	0.04
NITRATE <sup>c</sup>	mg/L NO <sub>3</sub> <sup>-</sup>	CADMIUM REDUCTION METHOD (SM: 4500 -NO <sub>3</sub> <sup>-</sup> E)	456	-	0.09
METALS					
ARSENIC <sup>c</sup>	mg/L As	HYDRIDE GENERATION AAS METHOD (SM: 3114 C)	0.0027	≤ 0.25	0.0003
CADMIUM <sup>c</sup>	mg/L Cd	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	ND	≤ 0.03	0.001
CHROMIUM <sup>c</sup>	mg/L Cr	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	0.008	-	0.001



PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			HOLDING POND T22AV156-0005		
LEAD <sup>c</sup>	mg/L Pb	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	ND	≤ 0.2	0.002
<b>SAMPLE CONDITION</b> WATER'S COLOUR/TURBID SEDIMENT			YELLOW/CLEAR YELLOW		

<sup>a</sup> : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

<sup>b</sup> : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

<sup>c</sup> : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

REGULATORY STANDARD : STANDARD FOR CONTROL THE EFFLUENT FROM INDUSTRIAL PLANTS, INDUSTRIAL ESTATE AND INDUSTRIAL ZONES, NOTIFICATION OF THE MINISTRY OF NATURAL RESOURCES AND ENVIRONMENT B.E. 2559 (2016) AND INDUSTRIAL EFFLUENT STANDARDS, NOTIFICATION OF THE MINISTRY OF INDUSTRY B.E. 2560 (2017).

ND : NON-DETECTABLE.

*Benjawan V.*

(MISS BENJAWAN VIRIYOTHAI)  
LABORATORY SUPERVISOR

NOVEMBER 4, 2022



## ANALYSIS REPORT

**CUSTOMER NAME** : ROJANA INDUSTRIAL MANAGEMENT COMPANY LIMITED  
**ADDRESS** : 2034/115 26TH FLOOR ITALTHAI TOWER, NEW PETCHBURI ROAD BANG KAPI HUAI KHWANG BANGKOK 10310  
**CONTACT INFORMATION** : TEL : 0 2318 6788 e-mail : dusadee\_kpy@hotmail.com  
**SAMPLING SOURCE** : BOWIN  
**SAMPLE TYPE** : WASTEWATER  
**SAMPLING DATE** : NOVEMBER 4, 2022  
**SAMPLING TIME** : 11:10 HOUR  
**SAMPLING METHOD <sup>c</sup>** : GRAB  
**SAMPLING BY <sup>c</sup>** : MR THANADET WANSANOR  
**ANALYZED BY** : MISS AMONRAT PUTTALEE

**RECEIVED DATE** : NOVEMBER 4, 2022  
**ANALYTICAL DATE** : NOVEMBER 4-11, 2022  
**REPORT NO.** : 2022-U089830  
**WORK NO.** : 2021-008810  
**ANALYSIS NO.** : T22AW075-0003

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	DETECTION LIMIT
			INFLUENT T22AW075-0003	
pH <sup>c</sup>	-	ELECTROMETRIC METHOD AT SITE (SM:4500-H <sup>+</sup> B)	5.9 (30°C)	-
ELECTRICAL CONDUCTIVITY <sup>c</sup>	µmhos/cm	ELECTRICAL CONDUCTIVITY METHOD AT SITE (SM: 2510 B)	3,776 (30°C)	0.1
BIOCHEMICAL OXYGEN DEMAND <sup>a</sup>	mg/L	MEMBRANE ELECTRODE METHOD (SM: 4500-O <sub>2</sub> G AND 5210 B)	ND	2.0
CHEMICAL OXYGEN DEMAND <sup>a</sup>	mg/L	CLOSED REFLUX, COLOURIMETRIC METHOD (SM: 5220 D)	ND	25.0
TOTAL SUSPENDED SOLIDS <sup>a</sup>	mg/L	TOTAL SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: 2540 D)	18.8	5.0
TOTAL DISSOLVED SOLIDS <sup>b</sup>	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: 2540 C)	2,494	25
FLUORIDE <sup>c</sup>	mg/L F <sup>-</sup>	ION-SELECTIVE ELECTRODE METHOD (SM: 4500-F <sup>-</sup> C)	4.20	0.04
<b>SAMPLE CONDITION</b> WATER'S COLOUR/TURBID SEDIMENT			YELLOW/CLEAR YELLOW	

<sup>a</sup> : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

<sup>b</sup> : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

<sup>c</sup> : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

ND : NON-DETECTABLE.

*Benjawan V.*

(MISS BENJAWAN VIRIYOTHAI)  
LABORATORY SUPERVISOR

NOVEMBER 15, 2022





## ANALYSIS REPORT

**CUSTOMER NAME** : ROJANA INDUSTRIAL MANAGEMENT COMPANY LIMITED  
**ADDRESS** : 2034/115 26TH FLOOR ITALTHAI TOWER, NEW PETCHBURI ROAD BANG KAPI HUAI KHWANG BANGKOK 10310  
**CONTACT INFORMATION** : TEL : 0 2318 6788 e-mail : dusadee\_kpy@hotmail.com  
**SAMPLING SOURCE** : BOWIN  
**SAMPLE TYPE** : EFFLUENT  
**SAMPLING DATE** : NOVEMBER 4, 2022  
**SAMPLING TIME** : 11:05 HOUR  
**SAMPLING METHOD** <sup>c</sup> : GRAB  
**SAMPLING BY** <sup>c</sup> : MR THANADET WANSANOR  
**ANALYZED BY** : MISS AMONRAT PUTTALEE

**RECEIVED DATE** : NOVEMBER 4, 2022  
**ANALYTICAL DATE** : NOVEMBER 4-11, 2022  
**REPORT NO.** : 2022-U089833  
**WORK NO.** : 2021-008810  
**ANALYSIS NO.** : T22AW075-0004

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			EFFLUENT T22AW075-0004		
pH <sup>c</sup>	-	ELECTROMETRIC METHOD AT SITE (SM:4500-H <sup>+</sup> B)	7.0 (29°C)	5.5-9.0	-
ELECTRICAL CONDUCTIVITY <sup>c</sup>	µmhos/cm	ELECTRICAL CONDUCTIVITY METHOD AT SITE (SM: 2510 B)	4,475 (29°C)	-	0.1
BIOCHEMICAL OXYGEN DEMAND <sup>a</sup>	mg/L	MEMBRANE ELECTRODE METHOD (SM: 4500-O <sub>2</sub> G AND 5210 B)	ND	≤ 20	2.0
CHEMICAL OXYGEN DEMAND <sup>a</sup>	mg/L	CLOSED REFLUX, COLOURIMETRIC METHOD (SM: 5220 D)	ND	≤ 120	25.0
TOTAL SUSPENDED SOLIDS <sup>a</sup>	mg/L	TOTAL SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: 2540 D)	16.9	≤ 50	5.0
TOTAL DISSOLVED SOLIDS <sup>b</sup>	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: 2540 C)	3,297	≤ 3,000	25
FLUORIDE <sup>c</sup>	mg/L F <sup>-</sup>	ION-SELECTIVE ELECTRODE METHOD (SM: 4500-F <sup>-</sup> C)	5.44	-	0.04
<b>SAMPLE CONDITION</b> WATER'S COLOUR/TURBID SEDIMENT			YELLOW/CLEAR YELLOW		

<sup>a</sup> : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

<sup>b</sup> : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

<sup>c</sup> : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

REGULATORY STANDARD : STANDARD FOR CONTROL THE EFFLUENT FROM INDUSTRIAL PLANTS, INDUSTRIAL ESTATE AND INDUSTRIAL ZONES, NOTIFICATION OF THE MINISTRY OF NATURAL RESOURCES AND ENVIRONMENT B.E. 2559 (2016) AND INDUSTRIAL EFFLUENT STANDARDS, NOTIFICATION OF THE MINISTRY OF INDUSTRY B.E. 2560 (2017).

ND : NON-DETECTABLE.

*Benjawan V.*

(MISS BENJAWAN VIRIYOTHAJ)  
LABORATORY SUPERVISOR

NOVEMBER 15, 2022



## ANALYSIS REPORT

**CUSTOMER NAME** : ROJANA INDUSTRIAL MANAGEMENT COMPANY LIMITED  
**ADDRESS** : 2034/115 26TH FLOOR ITALTHAI TOWER, NEW PETCHBURI ROAD BANG KAPI HUAI KHWANG BANGKOK 10310  
**CONTACT INFORMATION** : TEL : 0 2318 6788 e-mail : dusadee\_kpy@hotmail.com  
**SAMPLING SOURCE** : BOWIN  
**SAMPLE TYPE** : EFFLUENT  
**SAMPLING DATE** : NOVEMBER 4, 2022  
**SAMPLING TIME** : 10:50 HOUR  
**SAMPLING METHOD** <sup>c</sup> : GRAB  
**SAMPLING BY** <sup>c</sup> : MR THANADET WANSANOR  
**ANALYZED BY** : MISS KALLAYA SOMPHONG

**RECEIVED DATE** : NOVEMBER 4, 2022  
**ANALYTICAL DATE** : NOVEMBER 4-11, 2022  
**REPORT NO.** : 2022-U089835  
**WORK NO.** : 2021-008810  
**ANALYSIS NO.** : T22AW075-0005

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			HOLDING POND T22AW075-0005		
pH <sup>c</sup>	-	ELECTROMETRIC METHOD AT SITE (SM:4500-H <sup>+</sup> B)	8.6 (29°C)	5.5-9.0	-
BIOCHEMICAL OXYGEN DEMAND <sup>a</sup>	mg/L	MEMBRANE ELECTRODE METHOD (SM: 4500-O <sub>2</sub> G AND 5210 B)	ND	≤ 20	2.0
CHEMICAL OXYGEN DEMAND <sup>a</sup>	mg/L	CLOSED REFLUX, COLOURIMETRIC METHOD (SM: 5220 D)	ND	≤ 120	25.0
FLUORIDE <sup>c</sup>	mg/L F	ION-SELECTIVE ELECTRODE METHOD (SM: 4500-F <sup>-</sup> C)	9.20	-	0.04
NITRATE <sup>c</sup>	mg/L NO <sub>3</sub> <sup>-</sup>	CADMIUM REDUCTION METHOD (SM: 4500-NO <sub>3</sub> <sup>-</sup> E)	2,135	-	0.09
METALS					
ARSENIC <sup>c</sup>	mg/L As	HYDRIDE GENERATION AAS METHOD (SM: 3114 C)	0.0024	≤ 0.25	0.0003
CADMIUM <sup>c</sup>	mg/L Cd	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	ND	≤ 0.03	0.001
CHROMIUM <sup>c</sup>	mg/L Cr	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	0.006	-	0.001





PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			HOLDING POND T22AW075-0005		
LEAD <sup>c</sup>	mg/L Pb	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	ND	≤ 0.2	0.002
<b>SAMPLE CONDITION</b>					
WATER'S COLOUR/TURBID			YELLOW/CLEAR		
SEDIMENT			YELLOW		

<sup>a</sup> : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

<sup>b</sup> : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

<sup>c</sup> : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

REGULATORY STANDARD : STANDARD FOR CONTROL THE EFFLUENT FROM INDUSTRIAL PLANTS, INDUSTRIAL ESTATE AND  
INDUSTRIAL ZONES, NOTIFICATION OF THE MINISTRY OF NATURAL RESOURCES AND ENVIRONMENT  
B.E. 2559 (2016) AND INDUSTRIAL EFFLUENT STANDARDS, NOTIFICATION OF THE MINISTRY  
OF INDUSTRY B.E. 2560 (2017).

ND : NON-DETECTABLE.

*Benjawan V.*

(MISS BENJAWAN VIRIYOTHAI)  
LABORATORY SUPERVISOR

NOVEMBER 15, 2022

## ANALYSIS REPORT

**CUSTOMER NAME** : ROJANA INDUSTRIAL MANAGEMENT COMPANY LIMITED  
**ADDRESS** : 2034/115 26TH FLOOR ITALTHAI TOWER, NEW PETCHBURI ROAD BANG KAPI HUAI KHWANG BANGKOK 10310  
**CONTACT INFORMATION** : TEL : 0 2318 6788 e-mail : dusadee\_kpy@hotmail.com  
**SAMPLING SOURCE** : BOWIN  
**SAMPLE TYPE** : WASTEWATER  
**SAMPLING DATE** : NOVEMBER 10, 2022  
**SAMPLING TIME** : 11:20 HOUR  
**SAMPLING METHOD <sup>c</sup>** : GRAB  
**SAMPLING BY <sup>c</sup>** : MR NAPASIT SRIPIM  
**ANALYZED BY** : MISS AMONRAT PUTTALEE

**RECEIVED DATE** : NOVEMBER 10, 2022  
**ANALYTICAL DATE** : NOVEMBER 10-17, 2022  
**REPORT NO.** : 2022-U091634  
**WORK NO.** : 2021-008810  
**ANALYSIS NO.** : T22AW445-0003

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	DETECTION LIMIT
			INFLUENT T22AW445-0003	
pH <sup>c</sup>	-	ELECTROMETRIC METHOD AT SITE (SM:4500-H* B)	7.3 (30°C)	-
ELECTRICAL CONDUCTIVITY <sup>c</sup>	µmhos/cm	ELECTRICAL CONDUCTIVITY METHOD AT SITE (SM: 2510 B)	4,570 (30°C)	0.1
BIOCHEMICAL OXYGEN DEMAND <sup>a</sup>	mg/L	MEMBRANE ELECTRODE METHOD (SM: 4500-O G AND 5210 B)	ND	2.0
CHEMICAL OXYGEN DEMAND <sup>a</sup>	mg/L	CLOSED REFLUX, COLOURIMETRIC METHOD (SM: 5220 D)	ND	25.0
TOTAL SUSPENDED SOLIDS <sup>a</sup>	mg/L	TOTAL SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: 2540 D)	31.0	5.0
TOTAL DISSOLVED SOLIDS <sup>b</sup>	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: 2540 C)	3,521	25
FLUORIDE <sup>c</sup>	mg/L F <sup>-</sup>	ION-SELECTIVE ELECTRODE METHOD (SM: 4500-F- C)	5.90	0.04
<b>SAMPLE CONDITION</b> WATER'S COLOUR/TURBID SEDIMENT			WHITE/TURBID YELLOW	

<sup>a</sup> : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

<sup>b</sup> : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

<sup>c</sup> : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

ND : NON-DETECTABLE.

*Benjawan V.*

(MISS BENJAWAN VIRIYOTHAI)  
LABORATORY SUPERVISOR

NOVEMBER 21, 2022





## ANALYSIS REPORT

**CUSTOMER NAME** : ROJANA INDUSTRIAL MANAGEMENT COMPANY LIMITED  
**ADDRESS** : 2034/115 26TH FLOOR ITALTHAI TOWER, NEW PETCHBURI ROAD BANG KAPI HUAI KHWANG BANGKOK 10310  
**CONTACT INFORMATION** : TEL : 0 2318 6788 e-mail : dusadee\_kpy@hotmail.com  
**SAMPLING SOURCE** : BOWIN  
**SAMPLE TYPE** : EFFLUENT  
**SAMPLING DATE** : NOVEMBER 10, 2022  
**SAMPLING TIME** : 11:10 HOUR  
**SAMPLING METHOD <sup>c</sup>** : GRAB  
**SAMPLING BY <sup>c</sup>** : MR NAPASIT SRIPIM  
**ANALYZED BY** : MISS AMONRAT PUTTALEE

**RECEIVED DATE** : NOVEMBER 10, 2022  
**ANALYTICAL DATE** : NOVEMBER 10-17, 2022  
**REPORT NO.** : 2022-U091635  
**WORK NO.** : 2021-008810  
**ANALYSIS NO.** : T22AW445-0004

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			EFFLUENT T22AW445-0004		
pH <sup>c</sup>	-	ELECTROMETRIC METHOD AT SITE (SM:4500-H <sup>+</sup> B)	8.0 (30°C)	5.5-9.0	-
ELECTRICAL CONDUCTIVITY <sup>c</sup>	µmhos/cm	ELECTRICAL CONDUCTIVITY METHOD AT SITE (SM: 2510 B)	4,510 (29°C)	-	0.1
BIOCHEMICAL OXYGEN DEMAND <sup>a</sup>	mg/L	MEMBRANE ELECTRODE METHOD (SM: 4500-O G AND 5210 B)	ND	≤ 20	2.0
CHEMICAL OXYGEN DEMAND <sup>a</sup>	mg/L	CLOSED REFLUX, COLOURIMETRIC METHOD (SM: 5220 D)	ND	≤ 120	25.0
TOTAL SUSPENDED SOLIDS <sup>a</sup>	mg/L	TOTAL SUSPENDED SOLIDS DRIED AT 103- 105 °C (SM: 2540 D)	24.1	≤ 50	5.0
TOTAL DISSOLVED SOLIDS <sup>b</sup>	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: 2540 C)	3,446	≤ 3,000	25
FLUORIDE <sup>c</sup>	mg/L F <sup>-</sup>	ION-SELECTIVE ELECTRODE METHOD (SM: 4500-F <sup>-</sup> C)	4.72	-	0.04
<b>SAMPLE CONDITION</b> WATER'S COLOUR/TURBID SEDIMENT			YELLOW/CLEAR YELLOW		

<sup>a</sup> : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

<sup>b</sup> : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

<sup>c</sup> : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

REGULATORY STANDARD : STANDARD FOR CONTROL THE EFFLUENT FROM INDUSTRIAL PLANTS, INDUSTRIAL ESTATE AND INDUSTRIAL ZONES, NOTIFICATION OF THE MINISTRY OF NATURAL RESOURCES AND ENVIRONMENT B.E. 2559 (2016) AND INDUSTRIAL EFFLUENT STANDARDS, NOTIFICATION OF THE MINISTRY OF INDUSTRY B.E. 2560 (2017).

ND : NON-DETECTABLE.

*Benjawan V.*

(MISS BENJAWAN VIRIYOTHA)  
LABORATORY SUPERVISOR

NOVEMBER 21, 2022





## ANALYSIS REPORT

<b>CUSTOMER NAME</b>	: ROJANA INDUSTRIAL MANAGEMENT COMPANY LIMITED			<b>RECEIVED DATE</b>	: NOVEMBER 10, 2022
<b>ADDRESS</b>	: 2034/115 26TH FLOOR ITALTHAI TOWER, NEW PETCHBURI ROAD BANG KAPI HUAI KHWANG BANGKOK 10310			<b>ANALYTICAL DATE</b>	: NOVEMBER 10-17, 2022
<b>CONTACT INFORMATION</b>	: TEL : 0 2318 6788 e-mail : dusadee_kpy@hotmail.com			<b>REPORT NO.</b>	: 2022-U091636
<b>SAMPLING SOURCE</b>	: BOWIN			<b>WORK NO.</b>	: 2021-008810
<b>SAMPLE TYPE</b>	: EFFLUENT			<b>ANALYSIS NO.</b>	: T22AW445-0005
<b>SAMPLING DATE</b>	: NOVEMBER 10, 2022				
<b>SAMPLING TIME</b>	: 11:05 HOUR				
<b>SAMPLING METHOD °</b>	: GRAB				
<b>SAMPLING BY °</b>	: MR NAPASIT SRIPIM				
<b>ANALYZED BY</b>	: MISS KALLAYA SOMPHONG				

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			HOLDING POND T22AW445-0005		
pH °	-	ELECTROMETRIC METHOD AT SITE (SM:4500-H+ B)	8.5 (29°C)	5.5-9.0	-
BIOCHEMICAL OXYGEN DEMAND °	mg/L	MEMBRANE ELECTRODE METHOD (SM: 4500-O G AND 5210 B)	ND	≤ 20	2.0
CHEMICAL OXYGEN DEMAND °	mg/L	CLOSED REFLUX, COLOURIMETRIC METHOD (SM: 5220 D)	28.7	≤ 120	25.0
FLUORIDE °	mg/L F <sup>-</sup>	ION-SELECTIVE ELECTRODE METHOD (SM: 4500-F C)	8.86	-	0.04
NITRATE °	mg/L NO <sub>3</sub> <sup>-</sup>	CADMIUM REDUCTION METHOD (SM: 4500 -NO <sub>3</sub> <sup>-</sup> E)	620	-	0.09
METALS					
ARSENIC °	mg/L As	HYDRIDE GENERATION AAS METHOD (SM: 3114 C)	0.0023	≤ 0.25	0.0003
CADMIUM °	mg/L Cd	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	ND	≤ 0.03	0.001
CHROMIUM °	mg/L Cr	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	0.007	-	0.001



PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			HOLDING POND T22AW445-0005		
LEAD <sup>c</sup>	mg/L Pb	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	ND	≤ 0.2	0.002
<b>SAMPLE CONDITION</b> WATER'S COLOUR/TURBID SEDIMENT			YELLOW/CLEAR YELLOW		

<sup>a</sup> : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

<sup>b</sup> : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

<sup>c</sup> : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

REGULATORY STANDARD : STANDARD FOR CONTROL THE EFFLUENT FROM INDUSTRIAL PLANTS, INDUSTRIAL ESTATE AND INDUSTRIAL ZONES, NOTIFICATION OF THE MINISTRY OF NATURAL RESOURCES AND ENVIRONMENT B.E. 2559 (2016) AND INDUSTRIAL EFFLUENT STANDARDS, NOTIFICATION OF THE MINISTRY OF INDUSTRY B.E. 2560 (2017).

ND : NON-DETECTABLE.

*Benjawan V.*

(MISS BENJAWAN VIRIYOTHAI)  
LABORATORY SUPERVISOR

NOVEMBER 21, 2022



## ANALYSIS REPORT

**CUSTOMER NAME** : ROJANA INDUSTRIAL MANAGEMENT COMPANY LIMITED  
**ADDRESS** : 2034/115 26TH FLOOR ITALTHAI TOWER, NEW PETCHBURI ROAD BANG KAPI HUAI KHWANG BANGKOK 10310  
**CONTACT INFORMATION** : TEL : 0 2318 6788 e-mail : dusadee\_kpy@hotmail.com  
**SAMPLING SOURCE** : BOWIN  
**SAMPLE TYPE** : WASTEWATER  
**SAMPLING DATE** : NOVEMBER 15, 2022  
**SAMPLING TIME** : 09:25 HOUR  
**SAMPLING METHOD °** : GRAB  
**SAMPLING BY °** : MR NAPASIT SRIPIM  
**ANALYZED BY** : MISS AMONRAT PUTTALEE

**RECEIVED DATE** : NOVEMBER 15, 2022  
**ANALYTICAL DATE** : NOVEMBER 15-24, 2022  
**REPORT NO.** : 2022-U093749  
**WORK NO.** : 2021-008810  
**ANALYSIS NO.** : T22AW799-0003

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	DETECTION LIMIT
			INFLUENT T22AW799-0003	
pH °	-	ELECTROMETRIC METHOD AT SITE (SM:4500-H° B)	6.6 (30°C)	-
ELECTRICAL CONDUCTIVITY °	µmhos/cm	ELECTRICAL CONDUCTIVITY METHOD AT SITE (SM: 2510 B)	4,340 (30°C)	0.1
TEMPERATURE °	°C	THERMOMETER AT SITE (SM: 2550 B)	30	-
DISSOLVED OXYGEN °	mg/L	MEMBRANE ELECTRODE METHOD AT SITE (SM: 4500-O G)	3.4	0.5
FLOW RATE °	m³/s	CURRENT METER AND CALCULATION	-	-
BIOCHEMICAL OXYGEN DEMAND °	mg/L	MEMBRANE ELECTRODE METHOD (SM: 4500-O G AND 5210 B)	ND	2.0
CHEMICAL OXYGEN DEMAND °	mg/L	CLOSED REFLUX, COLOURIMETRIC METHOD (SM: 5220 D)	ND	25.0
TOTAL SUSPENDED SOLIDS °	mg/L	TOTAL SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: 2540 D)	12.0	5.0
TOTAL DISSOLVED SOLIDS °	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: 2540 C)	3,852	25
CHLORIDE °	mg/L Cl⁻	ARGENTOMETRIC METHOD (SM: 4500-Cl⁻ B)	173	2.0
SULPHIDE °	mg/L	IODOMETRIC METHOD (SM: 4500-S²⁻ F)	< 0.50	0.50
FLUORIDE °	mg/L F⁻	ION-SELECTIVE ELECTRODE METHOD (SM: 4500-F⁻ C)	4.56	0.04
TOTAL KJELDAHL NITROGEN °	mg/L	IN-HOUSE METHOD: UAE.TP.WAS.001 (KJELDAHL METHOD); SM: 4500-Norg C	< LOQ	1.5
FAT, OIL AND GREASE °	mg/L	SOXHLET EXTRACTION METHOD (SM: 5520 D)	ND	3
CYANIDE °	mg/L CN⁻	DISTILLATION, PYRIDINE-BARBITURIC ACID METHOD (SM: 4500-CN⁻ C AND 4500-CN⁻ E)	0.350	0.005
PHENOLS °	mg/L	DISTILLATION, 4-AMINOANTIPYRINE METHOD (SM: 5530 B AND 5530 D)	ND	0.1
FORMALDEHYDE °	mg/L	DISTILLATION AND COLOURIMETRIC METHOD	ND	0.05
RESIDUAL FREE CHLORINE °	mg/L Cl₂	MODIFIED DPD COLOURIMETRIC METHOD (AT SITE)	ND	0.1
<b>METALS</b>				
ARSENIC °	mg/L As	HYDRIDE GENERATION AAS METHOD (SM: 3114 C)	0.0009	0.0003
MERCURY °	mg/L Hg	COLD VAPOUR AAS METHOD (SM: 3112 B)	ND	0.0005
HEXAVALENT CHROMIUM °	mg/L Cr⁶⁺	COLOURIMETRIC METHOD (SM: 3500-Cr B)	ND	0.006
ALUMINUM °	mg/L Al	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	3.87	0.010



PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	DETECTION LIMIT
			INFLUENT T22AW799-0003	
CADMIUM <sup>c</sup>	mg/L Cd	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	ND	0.001
COPPER <sup>c</sup>	mg/L Cu	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	0.004	0.001
IRON <sup>c</sup>	mg/L Fe	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	0.006	0.002
LEAD <sup>c</sup>	mg/L Pb	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	ND	0.002
MANGANESE <sup>c</sup>	mg/L Mn	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	0.023	0.001
NICKEL <sup>c</sup>	mg/L Ni	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	0.003	0.001
SILVER <sup>c</sup>	mg/L Ag	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	ND	0.005
ZINC <sup>c</sup>	mg/L Zn	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	0.010	0.001
<b>SAMPLE CONDITION</b> WATER'S COLOUR/TURBID SEDIMENT			YELLOW/CLEAR YELLOW	

<sup>a</sup> : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

<sup>b</sup> : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

<sup>c</sup> : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

IN-HOUSE : BASED ON STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

\* : FLOW RATE CANNOT BE MEASURED.

ND : NON-DETECTABLE.

< LOQ : < LIMIT OF QUANTITATION (TOTAL KJELDAHL NITROGEN  $\geq$  1.5 AND < 5.0 mg/L).

*Benjawan V.*

(MISS BENJAWAN VIRIYOTHA)  
LABORATORY SUPERVISOR

NOVEMBER 25, 2022



## ANALYSIS REPORT

**CUSTOMER NAME** : ROJANA INDUSTRIAL MANAGEMENT COMPANY LIMITED  
**ADDRESS** : 2034/115 26TH FLOOR ITALTHAI TOWER, NEW PETCHBURI ROAD BANG KAPI HUAI KHWANG BANGKOK 10310  
**CONTACT INFORMATION** : TEL : 0 2318 6788 e-mail : dusadee\_kpy@hotmail.com  
**SAMPLING SOURCE** : BOWIN  
**SAMPLE TYPE** : EFFLUENT  
**SAMPLING DATE** : NOVEMBER 15, 2022  
**SAMPLING TIME** : 09:17 HOUR  
**SAMPLING METHOD °** : GRAB  
**SAMPLING BY °** : MR NAPASIT SRIPIM  
**ANALYZED BY** : MISS AMONRAT PUTTALEE

**RECEIVED DATE** : NOVEMBER 15, 2022  
**ANALYTICAL DATE** : NOVEMBER 15-24, 2022  
**REPORT NO.** : 2022-U093750  
**WORK NO.** : 2021-008810  
**ANALYSIS NO.** : T22AW799-0004

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			EFFLUENT T22AW799-0004		
pH °	-	ELECTROMETRIC METHOD AT SITE (SM:4500-H° B)	7.4 (30°C)	5.5-9.0	-
ELECTRICAL CONDUCTIVITY °	µmhos/cm	ELECTRICAL CONDUCTIVITY METHOD AT SITE (SM: 2510 B)	4,560 (30°C)	-	0.1
TEMPERATURE °	°C	THERMOMETER AT SITE (SM: 2550 B)	30	≤ 40	-
DISSOLVED OXYGEN °	mg/L	MEMBRANE ELECTRODE METHOD AT SITE (SM: 4500-O G)	3.6	-	0.5
FLOW RATE °	m³/s	CURRENT METER AND CALCULATION	-	-	-
BIOCHEMICAL OXYGEN DEMAND °	mg/L	MEMBRANE ELECTRODE METHOD (SM: 4500-O G AND 5210 B)	ND	≤ 20	2.0
CHEMICAL OXYGEN DEMAND °	mg/L	CLOSED REFLUX, COLOURIMETRIC METHOD (SM: 5220 D)	ND	≤ 120	25.0
TOTAL SUSPENDED SOLIDS °	mg/L	TOTAL SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: 2540 D)	11.4	≤ 50	5.0
TOTAL DISSOLVED SOLIDS °	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: 2540 C)	4,068	≤ 3,000	25
CHLORIDE °	mg/L Cl⁻	ARGENTOMETRIC METHOD (SM: 4500-Cl⁻ B)	184	-	2.0
SULPHIDE °	mg/L	IODOMETRIC METHOD (SM: 4500-S²⁻ F)	< 0.50	≤ 1	0.50
FLUORIDE °	mg/L F⁻	ION-SELECTIVE ELECTRODE METHOD (SM: 4500-F⁻ C)	7.83	-	0.04
TOTAL KJELDAHL NITROGEN °	mg/L	IN-HOUSE METHOD: UAE.TP.WAS.001 (KJELDAHL METHOD); SM: 4500-Norg C	ND	≤ 100	1.5
FAT, OIL AND GREASE °	mg/L	SOXHLET EXTRACTION METHOD (SM: 5520 D)	ND	≤ 5	3
CYANIDE °	mg/L CN⁻	DISTILLATION, PYRIDINE-BARBITURIC ACID METHOD (SM: 4500-CN⁻ C AND 4500 -CN⁻ E)	0.355	≤ 0.2	0.005
PHENOLS °	mg/L	DISTILLATION, 4-AMINOANTIPYRINE METHOD (SM: 5530 B AND 5530 D)	ND	≤ 1	0.1
FORMALDEHYDE °	mg/L	DISTILLATION AND COLOURIMETRIC METHOD	ND	≤ 1	0.05
RESIDUAL FREE CHLORINE °	mg/L Cl₂	MODIFIED DPD COLOURIMETRIC METHOD (AT SITE)	ND	≤ 1	0.1





PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			EFFLUENT T22AW799-0004		
METALS					
ARSENIC °	mg/L As	HYDRIDE GENERATION AAS METHOD (SM: 3114 C)	0.0009	≤ 0.25	0.0003
MERCURY °	mg/L Hg	COLD VAPOUR AAS METHOD (SM: 3112 B)	ND	≤ 0.005	0.0005
HEXAVALENT CHROMIUM °	mg/L Cr <sup>6+</sup>	COLOURIMETRIC METHOD (SM: 3500-Cr B)	ND	≤ 0.25	0.006
ALUMINUM °	mg/L Al	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	1.26	-	0.010
CADMIUM °	mg/L Cd	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	ND	≤ 0.03	0.001
COPPER °	mg/L Cu	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	0.005	≤ 2.0	0.001
IRON °	mg/L Fe	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	0.009	-	0.002
LEAD °	mg/L Pb	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	ND	≤ 0.2	0.002
MANGANESE °	mg/L Mn	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	0.022	≤ 5.0	0.001
NICKEL °	mg/L Ni	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	0.003	≤ 1.0	0.001
SILVER °	mg/L Ag	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	ND	-	0.005

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			EFFLUENT T22AW799-0004		
ZINC <sup>c</sup>	mg/L Zn	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	0.014	≤ 5.0	0.001
<b>SAMPLE CONDITION</b>					
WATER'S COLOUR/TURBID			YELLOW/CLEAR		
SEDIMENT			YELLOW		

<sup>a</sup> : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

<sup>b</sup> : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

<sup>c</sup> : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

IN-HOUSE : BASED ON STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

REGULATORY STANDARD : STANDARD FOR CONTROL THE EFFLUENT FROM INDUSTRIAL PLANTS, INDUSTRIAL ESTATE AND  
INDUSTRIAL ZONES, NOTIFICATION OF THE MINISTRY OF NATURAL RESOURCES AND ENVIRONMENT  
B.E. 2559 (2016) AND INDUSTRIAL EFFLUENT STANDARDS, NOTIFICATION OF THE MINISTRY  
OF INDUSTRY B.E. 2560 (2017).

\* : FLOW RATE CANNOT BE MEASURED.

ND : NON-DETECTABLE.

*Benjawan V.*

(MISS BENJAWAN VIRIYOTHAJ)  
LABORATORY SUPERVISOR

NOVEMBER 25, 2022

## ANALYSIS REPORT

**CUSTOMER NAME** : ROJANA INDUSTRIAL MANAGEMENT COMPANY LIMITED  
**ADDRESS** : 2034/115 26TH FLOOR ITALTHAI TOWER, NEW PETCHBURI ROAD BANG KAPI HUAI KHWANG BANGKOK 10310  
**CONTACT INFORMATION** : TEL : 0 2318 6788 e-mail : dusadee\_kpy@hotmail.com  
**SAMPLING SOURCE** : BOWIN  
**SAMPLE TYPE** : EFFLUENT  
**SAMPLING DATE** : NOVEMBER 15, 2022  
**SAMPLING TIME** : 09:07 HOUR  
**SAMPLING METHOD °** : GRAB  
**SAMPLING BY °** : MR NAPASIT SRIPIM  
**ANALYZED BY** : MISS AKSARIN BUNKONG

**RECEIVED DATE** : NOVEMBER 15, 2022  
**ANALYTICAL DATE** : NOVEMBER 15-22, 2022  
**REPORT NO.** : 2022-U093751  
**WORK NO.** : 2021-008810  
**ANALYSIS NO.** : T22AW799-0005

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			HOLDING POND T22AW799-0005		
pH °	-	ELECTROMETRIC METHOD AT SITE (SM:4500-H+ B)	8.2 (29°C)	5.5-9.0	-
BIOCHEMICAL OXYGEN DEMAND °	mg/L	MEMBRANE ELECTRODE METHOD (SM: 4500-O G AND 5210 B)	2.0	≤ 20	2.0
CHEMICAL OXYGEN DEMAND °	mg/L	CLOSED REFLUX, COLOURIMETRIC METHOD (SM: 5220 D)	30.7	≤ 120	25.0
FLUORIDE °	mg/L F <sup>-</sup>	ION-SELECTIVE ELECTRODE METHOD (SM: 4500-F <sup>-</sup> C)	8.74	-	0.04
NITRATE °	mg/L NO <sub>3</sub> <sup>-</sup>	CADMIUM REDUCTION METHOD (SM: 4500 -NO <sub>3</sub> <sup>-</sup> E)	700	-	0.09
METALS					
ARSENIC °	mg/L As	HYDRIDE GENERATION AAS METHOD (SM: 3114 C)	0.0023	≤ 0.25	0.0003
CADMIUM °	mg/L Cd	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	ND	≤ 0.03	0.001
CHROMIUM °	mg/L Cr	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	0.007	-	0.001





PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			HOLDING POND T22AW799-0005		
LEAD <sup>c</sup>	mg/L Pb	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	ND	≤ 0.2	0.002
<b>SAMPLE CONDITION</b> WATER'S COLOUR/TURBID SEDIMENT			YELLOW/CLEAR YELLOW		

<sup>a</sup> : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

<sup>b</sup> : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

<sup>c</sup> : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

REGULATORY STANDARD : STANDARD FOR CONTROL THE EFFLUENT FROM INDUSTRIAL PLANTS, INDUSTRIAL ESTATE AND  
INDUSTRIAL ZONES, NOTIFICATION OF THE MINISTRY OF NATURAL RESOURCES AND ENVIRONMENT  
B.E. 2559 (2016) AND INDUSTRIAL EFFLUENT STANDARDS, NOTIFICATION OF THE MINISTRY  
OF INDUSTRY B.E. 2560 (2017).

ND : NON-DETECTABLE.

*Benjawan V.*

(MISS BENJAWAN VIRIYOTHAI)  
LABORATORY SUPERVISOR

NOVEMBER 25, 2022

## ANALYSIS REPORT

**CUSTOMER NAME** : ROJANA INDUSTRIAL MANAGEMENT COMPANY LIMITED  
**ADDRESS** : 2034/115 26TH FLOOR ITALTHAI TOWER, NEW PETCHBURI ROAD BANG KAPI HUAI KHWANG BANGKOK 10310  
**CONTACT INFORMATION** : TEL : 0 2318 6788 e-mail : dusadee\_kpy@hotmail.com  
**SAMPLING SOURCE** : BOWIN  
**SAMPLE TYPE** : WASTEWATER  
**SAMPLING DATE** : NOVEMBER 22, 2022  
**SAMPLING TIME** : 10:17 HOUR  
**SAMPLING METHOD <sup>c</sup>** : GRAB  
**SAMPLING BY <sup>c</sup>** : MR NAPASIT SRIPIM  
**ANALYZED BY** : MISS AMONRAT PUTTALEE

**RECEIVED DATE** : NOVEMBER 22, 2022  
**ANALYTICAL DATE** : NOVEMBER 22-29, 2022  
**REPORT NO.** : 2022-U095306  
**WORK NO.** : 2021-008810  
**ANALYSIS NO.** : T22AX317-0003

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	DETECTION LIMIT
			INFLUENT T22AX317-0003	
pH <sup>c</sup>	-	ELECTROMETRIC METHOD AT SITE (SM:4500-H <sup>+</sup> B)	7.6 (32°C)	-
ELECTRICAL CONDUCTIVITY <sup>c</sup>	µmhos/cm	ELECTRICAL CONDUCTIVITY METHOD AT SITE (SM: 2510 B)	5,470 (31°C)	0.1
BIOCHEMICAL OXYGEN DEMAND <sup>a</sup>	mg/L	MEMBRANE ELECTRODE METHOD (SM: 4500-O <sub>2</sub> G AND 5210 B)	ND	2.0
CHEMICAL OXYGEN DEMAND <sup>a</sup>	mg/L	CLOSED REFLUX, COLOURIMETRIC METHOD (SM: 5220 D)	ND	25.0
TOTAL SUSPENDED SOLIDS <sup>a</sup>	mg/L	TOTAL SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: 2540 D)	19.7	5.0
TOTAL DISSOLVED SOLIDS <sup>b</sup>	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: 2540 C)	4,503	25
FLUORIDE <sup>c</sup>	mg/L F <sup>-</sup>	ION-SELECTIVE ELECTRODE METHOD (SM: 4500-F <sup>-</sup> C)	5.93	0.04
<b>SAMPLE CONDITION</b> WATER'S COLOUR/TURBID SEDIMENT			YELLOW/CLEAR BROWN	

<sup>a</sup> : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

<sup>b</sup> : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

<sup>c</sup> : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

ND : NON-DETECTABLE.

*Piyapat S.*

(MRS PIYAPAT SUTTAMANUTWONG)  
LABORATORY SUPERVISOR

DECEMBER 2, 2022





## ANALYSIS REPORT

**CUSTOMER NAME** : ROJANA INDUSTRIAL MANAGEMENT COMPANY LIMITED  
**ADDRESS** : 2034/115 26TH FLOOR ITALTHAI TOWER, NEW PETCHBURI ROAD BANG KAPI HUAI KHWANG BANGKOK 10310  
**CONTACT INFORMATION** : TEL : 0 2318 6788 e-mail : dusadee\_kpy@hotmail.com  
**SAMPLING SOURCE** : BOWIN  
**SAMPLE TYPE** : EFFLUENT  
**SAMPLING DATE** : NOVEMBER 22, 2022  
**SAMPLING TIME** : 10:13 HOUR  
**SAMPLING METHOD <sup>c</sup>** : GRAB  
**SAMPLING BY <sup>c</sup>** : MR NAPASIT SRIPIM  
**ANALYZED BY** : MISS AMONRAT PUTTALEE

**RECEIVED DATE** : NOVEMBER 22, 2022  
**ANALYTICAL DATE** : NOVEMBER 22-29, 2022  
**REPORT NO.** : 2022-U095307  
**WORK NO.** : 2021-008810  
**ANALYSIS NO.** : T22AX317-0004

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			EFFLUENT T22AX317-0004		
pH <sup>c</sup>	-	ELECTROMETRIC METHOD AT SITE (SM:4500-H <sup>+</sup> B)	8.3 (31°C)	5.5-9.0	-
ELECTRICAL CONDUCTIVITY <sup>c</sup>	µmhos/cm	ELECTRICAL CONDUCTIVITY METHOD AT SITE (SM: 2510 B)	5,430 (31°C)	-	0.1
BIOCHEMICAL OXYGEN DEMAND <sup>a</sup>	mg/L	MEMBRANE ELECTRODE METHOD (SM: 4500-O <sub>2</sub> G AND 5210 B)	ND	≤ 20	2.0
CHEMICAL OXYGEN DEMAND <sup>a</sup>	mg/L	CLOSED REFLUX, COLOURIMETRIC METHOD (SM: 5220 D)	ND	≤ 120	25.0
TOTAL SUSPENDED SOLIDS <sup>a</sup>	mg/L	TOTAL SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: 2540 D)	15.2	≤ 50	5.0
TOTAL DISSOLVED SOLIDS <sup>b</sup>	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: 2540 C)	4,676	≤ 3,000	25
FLUORIDE <sup>c</sup>	mg/L F <sup>-</sup>	ION-SELECTIVE ELECTRODE METHOD (SM: 4500-F <sup>-</sup> C)	8.95	-	0.04
<b>SAMPLE CONDITION</b> WATER'S COLOUR/TURBID SEDIMENT			YELLOW/CLEAR YELLOW		

<sup>a</sup> : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

<sup>b</sup> : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

<sup>c</sup> : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

REGULATORY STANDARD : STANDARD FOR CONTROL THE EFFLUENT FROM INDUSTRIAL PLANTS, INDUSTRIAL ESTATE AND INDUSTRIAL ZONES, NOTIFICATION OF THE MINISTRY OF NATURAL RESOURCES AND ENVIRONMENT B.E. 2559 (2016) AND INDUSTRIAL EFFLUENT STANDARDS, NOTIFICATION OF THE MINISTRY OF INDUSTRY B.E. 2560 (2017).

ND : NON-DETECTABLE.

*Piyapat S.*

(MRS PIYAPAT SUTTAMANUTWONG)  
LABORATORY SUPERVISOR

DECEMBER 2, 2022



## ANALYSIS REPORT

**CUSTOMER NAME** : ROJANA INDUSTRIAL MANAGEMENT COMPANY LIMITED  
**ADDRESS** : 2034/115 26TH FLOOR ITALTHAI TOWER, NEW PETCHBURI ROAD BANG KAPI HUAI KHWANG BANGKOK 10310  
**CONTACT INFORMATION** : TEL : 0 2318 6788 e-mail : dusadee\_kpy@hotmail.com  
**SAMPLING SOURCE** : BOWIN  
**SAMPLE TYPE** : EFFLUENT  
**SAMPLING DATE** : NOVEMBER 22, 2022  
**SAMPLING TIME** : 09:59 HOUR  
**SAMPLING METHOD <sup>c</sup>** : GRAB  
**SAMPLING BY <sup>c</sup>** : MR NAPASIT SRIPIM  
**ANALYZED BY** : MISS KALLAYA SOMPHONG

**RECEIVED DATE** : NOVEMBER 22, 2022  
**ANALYTICAL DATE** : NOVEMBER 22-29, 2022  
**REPORT NO.** : 2022-U095308  
**WORK NO.** : 2021-008810  
**ANALYSIS NO.** : T22AX317-0005

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			HOLDING POND T22AX317-0005		
pH <sup>c</sup>	-	ELECTROMETRIC METHOD AT SITE (SM:4500-H <sup>+</sup> B)	8.5 (30°C)	5.5-9.0	-
BIOCHEMICAL OXYGEN DEMAND <sup>a</sup>	mg/L	MEMBRANE ELECTRODE METHOD (SM: 4500-O <sub>2</sub> G AND 5210 B)	ND	≤ 20	2.0
CHEMICAL OXYGEN DEMAND <sup>a</sup>	mg/L	CLOSED REFLUX, COLOURIMETRIC METHOD (SM: 5220 D)	ND	≤ 120	25.0
FLUORIDE <sup>c</sup>	mg/L F <sup>-</sup>	ION-SELECTIVE ELECTRODE METHOD (SM: 4500-F C)	9.10	-	0.04
NITRATE <sup>c</sup>	mg/L NO <sub>3</sub> <sup>-</sup>	CADMIUM REDUCTION METHOD (SM: 4500 -NO <sub>3</sub> <sup>-</sup> E)	740	-	0.09
METALS					
ARSENIC <sup>c</sup>	mg/L As	HYDRIDE GENERATION AAS METHOD (SM: 3114 C)	0.0027	≤ 0.25	0.0003
CADMIUM <sup>c</sup>	mg/L Cd	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	ND	≤ 0.03	0.001
CHROMIUM <sup>c</sup>	mg/L Cr	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	0.007	-	0.001





PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			HOLDING POND T22AX317-0005		
LEAD <sup>c</sup>	mg/L Pb	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	ND	≤ 0.2	0.002
<b>SAMPLE CONDITION</b> WATER'S COLOUR/TURBID SEDIMENT			YELLOW/CLEAR YELLOW		

<sup>a</sup> : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

<sup>b</sup> : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

<sup>c</sup> : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

REGULATORY STANDARD : STANDARD FOR CONTROL THE EFFLUENT FROM INDUSTRIAL PLANTS, INDUSTRIAL ESTATE AND INDUSTRIAL ZONES, NOTIFICATION OF THE MINISTRY OF NATURAL RESOURCES AND ENVIRONMENT B.E. 2559 (2016) AND INDUSTRIAL EFFLUENT STANDARDS, NOTIFICATION OF THE MINISTRY OF INDUSTRY B.E. 2560 (2017).

ND : NON-DETECTABLE.

*Piyapat S.*

(MRS PIYAPAT SUTTAMANUTWONG)  
LABORATORY SUPERVISOR

DECEMBER 2, 2022

## ANALYSIS REPORT

<b>CUSTOMER NAME</b>	: ROJANA INDUSTRIAL MANAGEMENT COMPANY LIMITED	<b>RECEIVED DATE</b>	: NOVEMBER 29, 2022
<b>ADDRESS</b>	: 2034/115 26TH FLOOR ITALTHAI TOWER, NEW PETCHBURI ROAD BANG KAPI HUAI KHWANG BANGKOK 10310	<b>ANALYTICAL DATE</b>	: NOVEMBER 29 - DECEMBER 6, 2022
<b>CONTACT INFORMATION</b>	: TEL : 0 2318 6788 e-mail : dusadee_kpy@hotmail.com	<b>REPORT NO.</b>	: 2022-U097487
<b>SAMPLING SOURCE</b>	: BOWIN	<b>WORK NO.</b>	: 2021-008810
<b>SAMPLE TYPE</b>	: WASTEWATER	<b>ANALYSIS NO.</b>	: T22AX745-0003
<b>SAMPLING DATE</b>	: NOVEMBER 28, 2022		
<b>SAMPLING TIME</b>	: 14:02 HOUR		
<b>SAMPLING METHOD <sup>c</sup></b>	: GRAB		
<b>SAMPLING BY <sup>c</sup></b>	: MR CHAI BUASOD		
<b>ANALYZED BY</b>	: MISS AMONRAT PUTTALEE		

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	DETECTION LIMIT
			INFLUENT T22AX745-0003	
pH <sup>c</sup>	-	ELECTROMETRIC METHOD AT SITE (SM:4500-H <sup>+</sup> B)	7.5 (32°C)	-
ELECTRICAL CONDUCTIVITY <sup>c</sup>	µmhos/cm	ELECTRICAL CONDUCTIVITY METHOD AT SITE (SM: 2510 B)	5,530 (31°C)	0.1
BIOCHEMICAL OXYGEN DEMAND <sup>a</sup>	mg/L	MEMBRANE ELECTRODE METHOD (SM: 4500-O <sub>2</sub> G AND 5210 B)	3.7	2.0
CHEMICAL OXYGEN DEMAND <sup>a</sup>	mg/L	CLOSED REFLUX, COLOURIMETRIC METHOD (SM: 5220 D)	47.2	25.0
TOTAL SUSPENDED SOLIDS <sup>a</sup>	mg/L	TOTAL SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: 2540 D)	72.5	5.0
TOTAL DISSOLVED SOLIDS <sup>b</sup>	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: 2540 C)	4,820	25
FLUORIDE <sup>c</sup>	mg/L F <sup>-</sup>	ION-SELECTIVE ELECTRODE METHOD (SM: 4500-F <sup>-</sup> C)	7.54	0.04
<b>SAMPLE CONDITION</b>				
WATER'S COLOUR/TURBID			YELLOW/TURBID	
SEDIMENT			YELLOW	

<sup>a</sup> : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

<sup>b</sup> : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

<sup>c</sup> : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

*Benjawan V.*

(MISS BENJAWAN VIRIYOTHAI)  
LABORATORY SUPERVISOR

DECEMBER 9, 2022





## ANALYSIS REPORT

<b>CUSTOMER NAME</b>	: ROJANA INDUSTRIAL MANAGEMENT COMPANY LIMITED	<b>RECEIVED DATE</b>	: NOVEMBER 29, 2022
<b>ADDRESS</b>	: 2034/115 26TH FLOOR ITALTHAI TOWER, NEW PETCHBURI ROAD BANG KAPI HUAI KHWANG BANGKOK 10310	<b>ANALYTICAL DATE</b>	: NOVEMBER 29 - DECEMBER 6, 2022
<b>CONTACT INFORMATION</b>	: TEL : 0 2318 6788 e-mail : dusadee_kpy@hotmail.com	<b>REPORT NO.</b>	: 2022-U097488
<b>SAMPLING SOURCE</b>	: BOWIN	<b>WORK NO.</b>	: 2021-008810
<b>SAMPLE TYPE</b>	: EFFLUENT	<b>ANALYSIS NO.</b>	: T22AX745-0004
<b>SAMPLING DATE</b>	: NOVEMBER 28, 2022		
<b>SAMPLING TIME</b>	: 13:55 HOUR		
<b>SAMPLING METHOD °</b>	: GRAB		
<b>SAMPLING BY °</b>	: MR CHAI BUASOD		
<b>ANALYZED BY</b>	: MISS AMONRAT PUTTALEE		

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			EFFLUENT T22AX745-0004		
pH °	-	ELECTROMETRIC METHOD AT SITE (SM:4500-H° B)	7.9 (31°C)	5.5-9.0	-
ELECTRICAL CONDUCTIVITY °	µmhos/cm	ELECTRICAL CONDUCTIVITY METHOD AT SITE (SM: 2510 B)	7,040 (31°C)	-	0.1
BIOCHEMICAL OXYGEN DEMAND °	mg/L	MEMBRANE ELECTRODE METHOD (SM: 4500-O G AND 5210 B)	ND	≤ 20	2.0
CHEMICAL OXYGEN DEMAND °	mg/L	CLOSED REFLUX, COLOURIMETRIC METHOD (SM: 5220 D)	ND	≤ 120	25.0
TOTAL SUSPENDED SOLIDS °	mg/L	TOTAL SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: 2540 D)	25.0	≤ 50	5.0
TOTAL DISSOLVED SOLIDS °	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: 2540 C)	7,000	≤ 3,000	25
FLUORIDE °	mg/L F	ION-SELECTIVE ELECTRODE METHOD (SM: 4500-F C)	9.24	-	0.04
<b>SAMPLE CONDITION</b> WATER'S COLOUR/TURBID SEDIMENT			YELLOW/CLEAR YELLOW		

° : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

° : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

° : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

REGULATORY STANDARD : STANDARD FOR CONTROL THE EFFLUENT FROM INDUSTRIAL PLANTS, INDUSTRIAL ESTATE AND INDUSTRIAL ZONES, NOTIFICATION OF THE MINISTRY OF NATURAL RESOURCES AND ENVIRONMENT B.E. 2559 (2016) AND INDUSTRIAL EFFLUENT STANDARDS, NOTIFICATION OF THE MINISTRY OF INDUSTRY B.E. 2560 (2017).

ND : NON-DETECTABLE.

*Benjawan V.*

(MISS BENJAWAN VIRIYOTHAIR)  
LABORATORY SUPERVISOR

DECEMBER 9, 2022





## ANALYSIS REPORT

<b>CUSTOMER NAME</b>	: ROJANA INDUSTRIAL MANAGEMENT COMPANY LIMITED	<b>RECEIVED DATE</b>	: NOVEMBER 29, 2022
<b>ADDRESS</b>	: 2034/115 26TH FLOOR ITALTHAI TOWER, NEW PETCHBURI ROAD BANG KAPI HUAI KHWANG BANGKOK 10310	<b>ANALYTICAL DATE</b>	: NOVEMBER 29 - DECEMBER 6, 2022
<b>CONTACT INFORMATION</b>	: TEL : 0 2318 6788 e-mail : dusadee_kpy@hotmail.com	<b>REPORT NO.</b>	: 2022-U097489
<b>SAMPLING SOURCE</b>	: BOWIN	<b>WORK NO.</b>	: 2021-008810
<b>SAMPLE TYPE</b>	: EFFLUENT	<b>ANALYSIS NO.</b>	: T22AX745-0005
<b>SAMPLING DATE</b>	: NOVEMBER 28, 2022		
<b>SAMPLING TIME</b>	: 13:50 HOUR		
<b>SAMPLING METHOD <sup>c</sup></b>	: GRAB		
<b>SAMPLING BY <sup>c</sup></b>	: MR CHAI BUASOD		
<b>ANALYZED BY</b>	: MISS KALLAYA SOMPHONG		

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			HOLDING POND T22AX745-0005		
pH <sup>c</sup>	-	ELECTROMETRIC METHOD AT SITE (SM:4500-H <sup>+</sup> B)	8.3 (30°C)	5.5-9.0	-
BIOCHEMICAL OXYGEN DEMAND <sup>a</sup>	mg/L	MEMBRANE ELECTRODE METHOD (SM: 4500-O <sub>2</sub> G AND 5210 B)	ND	≤ 20	2.0
CHEMICAL OXYGEN DEMAND <sup>a</sup>	mg/L	CLOSED REFLUX, COLOURIMETRIC METHOD (SM: 5220 D)	55.0	≤ 120	25.0
FLUORIDE <sup>c</sup>	mg/L F <sup>-</sup>	ION-SELECTIVE ELECTRODE METHOD (SM: 4500-F C)	8.75	-	0.04
NITRATE <sup>c</sup>	mg/L NO <sub>3</sub> <sup>-</sup>	CADMIUM REDUCTION METHOD (SM: 4500 -NO <sub>3</sub> <sup>-</sup> E)	656	-	0.09
METALS					
ARSENIC <sup>c</sup>	mg/L As	HYDRIDE GENERATION AAS METHOD (SM: 3114 C)	0.0023	≤ 0.25	0.0003
CADMIUM <sup>c</sup>	mg/L Cd	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	ND	≤ 0.03	0.001
CHROMIUM <sup>c</sup>	mg/L Cr	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	0.007	-	0.001



PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			HOLDING POND T22AX745-0005		
LEAD <sup>c</sup>	mg/L Pb	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	ND	≤ 0.2	0.002
<b>SAMPLE CONDITION</b> WATER'S COLOUR/TURBID SEDIMENT			YELLOW/TURBID YELLOW		

<sup>a</sup> : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

<sup>b</sup> : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

<sup>c</sup> : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

REGULATORY STANDARD : STANDARD FOR CONTROL THE EFFLUENT FROM INDUSTRIAL PLANTS, INDUSTRIAL ESTATE AND  
INDUSTRIAL ZONES, NOTIFICATION OF THE MINISTRY OF NATURAL RESOURCES AND ENVIRONMENT  
B.E. 2559 (2016) AND INDUSTRIAL EFFLUENT STANDARDS, NOTIFICATION OF THE MINISTRY  
OF INDUSTRY B.E. 2560 (2017).

ND : NON-DETECTABLE.

*Benjawan V.*

(MISS BENJAWAN VIRIYOTHAI)  
LABORATORY SUPERVISOR

DECEMBER 9, 2022

## ANALYSIS REPORT

**CUSTOMER NAME** : ROJANA INDUSTRIAL MANAGEMENT COMPANY LIMITED  
**ADDRESS** : 2034/115 26TH FLOOR ITALTHAI TOWER, NEW PETCHBURI ROAD BANG KAPI HUAI KHWANG BANGKOK 10310  
**CONTACT INFORMATION** : TEL : 0 2318 6788 e-mail : dusadee\_kpy@hotmail.com  
**SAMPLING SOURCE** : BOWIN  
**SAMPLE TYPE** : WASTEWATER  
**SAMPLING DATE** : DECEMBER 8, 2022  
**SAMPLING TIME** : 11:10 HOUR  
**SAMPLING METHOD <sup>c</sup>** : GRAB  
**SAMPLING BY <sup>c</sup>** : MR CHAI BUASOD  
**ANALYZED BY** : MISS AMONRAT PUTTALEE

**RECEIVED DATE** : DECEMBER 8, 2022  
**ANALYTICAL DATE** : DECEMBER 8-15, 2022  
**REPORT NO.** : 2022-U100570  
**WORK NO.** : 2021-008810  
**ANALYSIS NO.** : T22AY542-0003

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	DETECTION LIMIT
			INFLUENT T22AY542-0003	
pH <sup>c</sup>	-	ELECTROMETRIC METHOD AT SITE (SM:4500-H <sup>+</sup> B)	7.1 (31°C)	-
ELECTRICAL CONDUCTIVITY <sup>c</sup>	µmhos/cm	ELECTRICAL CONDUCTIVITY METHOD AT SITE (SM: 2510 B)	4,560 (31°C)	0.1
BIOCHEMICAL OXYGEN DEMAND <sup>a</sup>	mg/L	MEMBRANE ELECTRODE METHOD (SM: 4500-O <sub>2</sub> G AND 5210 B)	ND	2.0
CHEMICAL OXYGEN DEMAND <sup>a</sup>	mg/L	CLOSED REFLUX, COLOURIMETRIC METHOD (SM: 5220 D)	ND	25.0
TOTAL SUSPENDED SOLIDS <sup>a</sup>	mg/L	TOTAL SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: 2540 D)	64.3	5.0
TOTAL DISSOLVED SOLIDS <sup>b</sup>	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: 2540 C)	4,195	25
FLUORIDE <sup>c</sup>	mg/L F <sup>-</sup>	ION-SELECTIVE ELECTRODE METHOD (SM: 4500-F <sup>-</sup> C)	3.84	0.04
<b>SAMPLE CONDITION</b> WATER'S COLOUR/TURBID SEDIMENT			WHITE/TURBID YELLOW	

<sup>a</sup> : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

<sup>b</sup> : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

<sup>c</sup> : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

ND : NON-DETECTABLE.

*Benjawan V.*

(MISS BENJAWAN VIRIYOTHA)  
LABORATORY SUPERVISOR

DECEMBER 21, 2022





## ANALYSIS REPORT

**CUSTOMER NAME** : ROJANA INDUSTRIAL MANAGEMENT COMPANY LIMITED  
**ADDRESS** : 2034/115 26TH FLOOR ITALTHAI TOWER, NEW PETCHBURI ROAD BANG KAPI HUAI KHWANG BANGKOK 10310  
**CONTACT INFORMATION** : TEL : 0 2318 6788 e-mail : dusadee\_kpy@hotmail.com  
**SAMPLING SOURCE** : BOWIN  
**SAMPLE TYPE** : EFFLUENT  
**SAMPLING DATE** : DECEMBER 8, 2022  
**SAMPLING TIME** : 11:05 HOUR  
**SAMPLING METHOD °** : GRAB  
**SAMPLING BY °** : MR CHAI BUASOD  
**ANALYZED BY** : MISS AMONRAT PUTTALEE

**RECEIVED DATE** : DECEMBER 8, 2022  
**ANALYTICAL DATE** : DECEMBER 8-15, 2022  
**REPORT NO.** : 2022-U100571  
**WORK NO.** : 2021-008810  
**ANALYSIS NO.** : T22AY542-0004

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			EFFLUENT T22AY542-0004		
pH °	-	ELECTROMETRIC METHOD AT SITE (SM:4500-H* B)	8.4 (30°C)	5.5-9.0	-
ELECTRICAL CONDUCTIVITY °	µmhos/cm	ELECTRICAL CONDUCTIVITY METHOD AT SITE (SM: 2510 B)	6,520 (30°C)	-	0.1
BIOCHEMICAL OXYGEN DEMAND °	mg/L	MEMBRANE ELECTRODE METHOD (SM: 4500-O G AND 5210 B)	7.2	≤ 20	2.0
CHEMICAL OXYGEN DEMAND °	mg/L	CLOSED REFLUX, COLOURIMETRIC METHOD (SM: 5220 D)	ND	≤ 120	25.0
TOTAL SUSPENDED SOLIDS °	mg/L	TOTAL SUSPENDED SOLIDS DRIED AT 103- 105 °C (SM: 2540 D)	17.0	≤ 50	5.0
TOTAL DISSOLVED SOLIDS °	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: 2540 C)	7,005	≤ 3,000	25
FLUORIDE °	mg/L F <sup>-</sup>	ION-SELECTIVE ELECTRODE METHOD (SM: 4500-F- C)	8.95	-	0.04
<b>SAMPLE CONDITION</b> WATER'S COLOUR/TURBID SEDIMENT			YELLOW/CLEAR YELLOW		

° : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

° : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

° : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

REGULATORY STANDARD : STANDARD FOR CONTROL THE EFFLUENT FROM INDUSTRIAL PLANTS, INDUSTRIAL ESTATE AND INDUSTRIAL ZONES, NOTIFICATION OF THE MINISTRY OF NATURAL RESOURCES AND ENVIRONMENT B.E. 2559 (2016) AND INDUSTRIAL EFFLUENT STANDARDS, NOTIFICATION OF THE MINISTRY OF INDUSTRY B.E. 2560 (2017).

ND : NON-DETECTABLE.

*Benjawan V.*

(MISS BENJAWAN VIRIYOTHA)  
LABORATORY SUPERVISOR

DECEMBER 21, 2022



## ANALYSIS REPORT

**CUSTOMER NAME** : ROJANA INDUSTRIAL MANAGEMENT COMPANY LIMITED  
**ADDRESS** : 2034/115 26TH FLOOR ITALTHAI TOWER, NEW PETCHBURI ROAD BANG KAPI HUAI KHWANG BANGKOK 10310  
**CONTACT INFORMATION** : TEL : 0 2318 6788 e-mail : dusadee\_kpy@hotmail.com  
**SAMPLING SOURCE** : BOWIN  
**SAMPLE TYPE** : EFFLUENT  
**SAMPLING DATE** : DECEMBER 8, 2022  
**SAMPLING TIME** : 10:55 HOUR  
**SAMPLING METHOD <sup>c</sup>** : GRAB  
**SAMPLING BY <sup>c</sup>** : MR CHAI BUASOD  
**ANALYZED BY** : MISS KALLAYA SOMPHONG

**RECEIVED DATE** : DECEMBER 8, 2022  
**ANALYTICAL DATE** : DECEMBER 8-18, 2022  
**REPORT NO.** : 2022-U100574  
**WORK NO.** : 2021-008810  
**ANALYSIS NO.** : T22AY542-0005

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			HOLDING POND T22AY542-0005		
pH <sup>c</sup>	-	ELECTROMETRIC METHOD AT SITE (SM:4500-H <sup>+</sup> B)	8.0 (30°C)	5.5-9.0	-
BIOCHEMICAL OXYGEN DEMAND <sup>a</sup>	mg/L	MEMBRANE ELECTRODE METHOD (SM: 4500-O G AND 5210 B)	2.0	≤ 20	2.0
CHEMICAL OXYGEN DEMAND <sup>a</sup>	mg/L	CLOSED REFLUX, COLOURIMETRIC METHOD (SM: 5220 D)	ND	≤ 120	25.0
FLUORIDE <sup>c</sup>	mg/L F <sup>-</sup>	ION-SELECTIVE ELECTRODE METHOD (SM: 4500-F <sup>-</sup> C)	9.59	-	0.04
NITRATE <sup>c</sup>	mg/L NO <sub>3</sub> <sup>-</sup>	CADMIUM REDUCTION METHOD (SM: 4500 -NO <sub>3</sub> <sup>-</sup> E)	851	-	0.09
METALS					
ARSENIC <sup>c</sup>	mg/L As	HYDRIDE GENERATION AAS METHOD (SM: 3114 C)	0.0023	≤ 0.25	0.0003
CADMIUM <sup>c</sup>	mg/L Cd	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	ND	≤ 0.03	0.001
CHROMIUM <sup>c</sup>	mg/L Cr	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	0.009	-	0.001





PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			HOLDING POND T22AY542-0005		
LEAD <sup>c</sup>	mg/L Pb	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	ND	≤ 0.2	0.002
<b>SAMPLE CONDITION</b> WATER'S COLOUR/TURBID SEDIMENT			YELLOW/CLEAR YELLOW		

<sup>a</sup> : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

<sup>b</sup> : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

<sup>c</sup> : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

REGULATORY STANDARD : STANDARD FOR CONTROL THE EFFLUENT FROM INDUSTRIAL PLANTS, INDUSTRIAL ESTATE AND INDUSTRIAL ZONES, NOTIFICATION OF THE MINISTRY OF NATURAL RESOURCES AND ENVIRONMENT B.E. 2559 (2016) AND INDUSTRIAL EFFLUENT STANDARDS, NOTIFICATION OF THE MINISTRY OF INDUSTRY B.E. 2560 (2017).

ND : NON-DETECTABLE.

*Benjawan V.*

(MISS BENJAWAN VIRIYOTHAI)  
LABORATORY SUPERVISOR

DECEMBER 21, 2022

## ANALYSIS REPORT

**CUSTOMER NAME** : ROJANA INDUSTRIAL MANAGEMENT COMPANY LIMITED  
**ADDRESS** : 2034/115 26TH FLOOR ITALTHAI TOWER, NEW PETCHBURI ROAD BANG KAPI HUAI KHWANG BANGKOK 10310  
**CONTACT INFORMATION** : TEL : 0 2318 6788 e-mail : dusadee\_kpy@hotmail.com  
**SAMPLING SOURCE** : BOWIN  
**SAMPLE TYPE** : WASTEWATER  
**SAMPLING DATE** : DECEMBER 15, 2022  
**SAMPLING TIME** : 11:44 HOUR  
**SAMPLING METHOD °** : GRAB  
**SAMPLING BY °** : MR SETTHAWUT EMKLINBUA  
**ANALYZED BY** : MISS AMONRAT PUTTALEE

**RECEIVED DATE** : DECEMBER 16, 2022  
**ANALYTICAL DATE** : DECEMBER 16-23, 2022  
**REPORT NO.** : 2022-U102790  
**WORK NO.** : 2021-008810  
**ANALYSIS NO.** : T22AZ041-0003

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	DETECTION LIMIT
			INFLUENT T22AZ041-0003	
pH °	-	ELECTROMETRIC METHOD AT SITE (SM:4500-H° B)	6.8 (29°C)	-
ELECTRICAL CONDUCTIVITY °	µmhos/cm	ELECTRICAL CONDUCTIVITY METHOD AT SITE (SM: 2510 B)	5,230 (29°C)	0.1
BIOCHEMICAL OXYGEN DEMAND °	mg/L	MEMBRANE ELECTRODE METHOD (SM: 4500-O G AND 5210 B)	ND	2.0
CHEMICAL OXYGEN DEMAND °	mg/L	CLOSED REFLUX, COLOURIMETRIC METHOD (SM: 5220 D)	ND	25.0
TOTAL SUSPENDED SOLIDS °	mg/L	TOTAL SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: 2540 D)	66.5	5.0
TOTAL DISSOLVED SOLIDS °	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: 2540 C)	4,212	25
FLUORIDE °	mg/L F	ION-SELECTIVE ELECTRODE METHOD (SM: 4500-F° C)	2.56	0.04
<b>SAMPLE CONDITION</b> WATER'S COLOUR/TURBID SEDIMENT			YELLOW/TURBID YELLOW	

° : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

° : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

° : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

ND : NON-DETECTABLE.

*Benjawan V.*

(MISS BENJAWAN VIRIYOTHAI)  
LABORATORY SUPERVISOR

DECEMBER 27, 2022



## ANALYSIS REPORT

**CUSTOMER NAME** : ROJANA INDUSTRIAL MANAGEMENT COMPANY LIMITED  
**ADDRESS** : 2034/115 26TH FLOOR ITALTHAI TOWER, NEW PETCHBURI ROAD BANG KAPI HUAI KHWANG BANGKOK 10310  
**CONTACT INFORMATION** : TEL : 0 2318 6788 e-mail : dusadee\_kpy@hotmail.com  
**SAMPLING SOURCE** : BOWIN  
**SAMPLE TYPE** : EFFLUENT  
**SAMPLING DATE** : DECEMBER 15, 2022  
**SAMPLING TIME** : 11:37 HOUR  
**SAMPLING METHOD °** : GRAB  
**SAMPLING BY °** : MR SETTHAWUT EMKLINBUA  
**ANALYZED BY** : MISS AMONRAT PUTTALEE

**RECEIVED DATE** : DECEMBER 16, 2022  
**ANALYTICAL DATE** : DECEMBER 16-23, 2022  
**REPORT NO.** : 2022-U102792  
**WORK NO.** : 2021-008810  
**ANALYSIS NO.** : T22AZ041-0004

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			EFFLUENT T22AZ041-0004		
pH °	-	ELECTROMETRIC METHOD AT SITE (SM:4500-H° B)	8.0 (28°C)	5.5-9.0	-
ELECTRICAL CONDUCTIVITY °	µmhos/cm	ELECTRICAL CONDUCTIVITY METHOD AT SITE (SM: 2510 B)	4,950 (28°C)	-	0.1
BIOCHEMICAL OXYGEN DEMAND °	mg/L	MEMBRANE ELECTRODE METHOD (SM: 4500-O G AND 5210 B)	4.9	≤ 20	2.0
CHEMICAL OXYGEN DEMAND °	mg/L	CLOSED REFLUX, COLOURIMETRIC METHOD (SM: 5220 D)	ND	≤ 120	25.0
TOTAL SUSPENDED SOLIDS °	mg/L	TOTAL SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: 2540 D)	34.3	≤ 50	5.0
TOTAL DISSOLVED SOLIDS °	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: 2540 C)	3,971	≤ 3,000	25
FLUORIDE °	mg/L F°	ION-SELECTIVE ELECTRODE METHOD (SM: 4500-F° C)	7.63	-	0.04
<b>SAMPLE CONDITION</b> WATER'S COLOUR/TURBID SEDIMENT			YELLOW/TURBID YELLOW		

° : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

° : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

° : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

REGULATORY STANDARD : STANDARD FOR CONTROL THE EFFLUENT FROM INDUSTRIAL PLANTS, INDUSTRIAL ESTATE AND INDUSTRIAL ZONES, NOTIFICATION OF THE MINISTRY OF NATURAL RESOURCES AND ENVIRONMENT B.E. 2559 (2016) AND INDUSTRIAL EFFLUENT STANDARDS, NOTIFICATION OF THE MINISTRY OF INDUSTRY B.E. 2560 (2017).

ND : NON-DETECTABLE.

*Benjawan V.*

(MISS BENJAWAN VIRIYOTHA)  
LABORATORY SUPERVISOR

DECEMBER 27, 2022





## ANALYSIS REPORT

**CUSTOMER NAME** : ROJANA INDUSTRIAL MANAGEMENT COMPANY LIMITED  
**ADDRESS** : 2034/115 26TH FLOOR ITALTHAI TOWER, NEW PETCHBURI ROAD BANG KAPI HUAI KHWANG BANGKOK 10310  
**CONTACT INFORMATION** : TEL : 0 2318 6788 e-mail : dusadee\_kpy@hotmail.com  
**SAMPLING SOURCE** : BOWIN  
**SAMPLE TYPE** : EFFLUENT  
**SAMPLING DATE** : DECEMBER 15, 2022  
**SAMPLING TIME** : 11:30 HOUR  
**SAMPLING METHOD °** : GRAB  
**SAMPLING BY °** : MR SETTHAWUT EMKLINBUA  
**ANALYZED BY** : MISS KALLAYA SOMPHONG

**RECEIVED DATE** : DECEMBER 16, 2022  
**ANALYTICAL DATE** : DECEMBER 16-23, 2022  
**REPORT NO.** : 2022-U102793  
**WORK NO.** : 2021-008810  
**ANALYSIS NO.** : T22AZ041-0005

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			HOLDING POND T22AZ041-0005		
pH °	-	ELECTROMETRIC METHOD AT SITE (SM:4500-H <sup>+</sup> B)	8.5 (27°C)	5.5-9.0	-
BIOCHEMICAL OXYGEN DEMAND °	mg/L	MEMBRANE ELECTRODE METHOD (SM: 4500-O G AND 5210 B)	2.5	≤ 20	2.0
CHEMICAL OXYGEN DEMAND °	mg/L	CLOSED REFLUX, COLOURIMETRIC METHOD (SM: 5220 D)	ND	≤ 120	25.0
FLUORIDE °	mg/L F <sup>-</sup>	ION-SELECTIVE ELECTRODE METHOD (SM: 4500-F C)	9.27	-	0.04
NITRATE °	mg/L NO <sub>3</sub> <sup>-</sup>	CADMIUM REDUCTION METHOD (SM: 4500 -NO <sub>3</sub> <sup>-</sup> E)	620	-	0.09
METALS					
ARSENIC °	mg/L As	HYDRIDE GENERATION AAS METHOD (SM: 3114 C)	0.0017	≤ 0.25	0.0003
CADMIUM °	mg/L Cd	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	ND	≤ 0.03	0.001
CHROMIUM °	mg/L Cr	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	0.008	-	0.001



PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			HOLDING POND T22AZ041-0005		
LEAD <sup>c</sup>	mg/L Pb	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	ND	≤ 0.2	0.002
<b>SAMPLE CONDITION</b> WATER'S COLOUR/TURBID SEDIMENT			YELLOW/CLEAR YELLOW		

<sup>a</sup> : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

<sup>b</sup> : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

<sup>c</sup> : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

REGULATORY STANDARD : STANDARD FOR CONTROL THE EFFLUENT FROM INDUSTRIAL PLANTS, INDUSTRIAL ESTATE AND  
INDUSTRIAL ZONES, NOTIFICATION OF THE MINISTRY OF NATURAL RESOURCES AND ENVIRONMENT  
B.E. 2559 (2016) AND INDUSTRIAL EFFLUENT STANDARDS, NOTIFICATION OF THE MINISTRY  
OF INDUSTRY B.E. 2560 (2017).

ND : NON-DETECTABLE.

*Benjawan V.*

(MISS BENJAWAN VIRIYOTHAJ)  
LABORATORY SUPERVISOR

DECEMBER 27, 2022



## ANALYSIS REPORT

**CUSTOMER NAME** : ROJANA INDUSTRIAL MANAGEMENT COMPANY LIMITED  
**ADDRESS** : 2034/115 26TH FLOOR ITALTHAI TOWER, NEW PETCHBURI ROAD BANG KAPI HUAI KHWANG BANGKOK 10310  
**CONTACT INFORMATION** : TEL : 0 2318 6788 e-mail : dusadee\_kpy@hotmail.com  
**SAMPLING SOURCE** : BOWIN  
**SAMPLE TYPE** : WASTEWATER  
**SAMPLING DATE** : DECEMBER 20, 2022  
**SAMPLING TIME** : 10:35 HOUR  
**SAMPLING METHOD** : GRAB  
**SAMPLING BY** : MR NAPASIT SRIPIM  
**ANALYZED BY** : MISS AMONRAT PUTTALEE

**RECEIVED DATE** : DECEMBER 20, 2022  
**ANALYTICAL DATE** : DECEMBER 20-29, 2022  
**REPORT NO.** : 2022-U104157  
**WORK NO.** : 2021-008810  
**ANALYSIS NO.** : T22AZ420-0003

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	DETECTION LIMIT
			INFLUENT T22AZ420-0003	
pH <sup>c</sup>	-	ELECTROMETRIC METHOD AT SITE (SM:4500-H <sup>+</sup> B)	7.2 (27°C)	-
ELECTRICAL CONDUCTIVITY <sup>c</sup>	µmhos/cm	ELECTRICAL CONDUCTIVITY METHOD AT SITE (SM: 2510 B)	4,980 (27°C)	0.1
TEMPERATURE <sup>c</sup>	°C	THERMOMETER AT SITE (SM: 2550 B)	27	-
DISSOLVED OXYGEN <sup>c</sup>	mg/L	MEMBRANE ELECTRODE METHOD AT SITE (SM: 4500-O G)	4.0	0.5
FLOW RATE <sup>c</sup>	m <sup>3</sup> /s	CURRENT METER AND CALCULATION	-	-
BIOCHEMICAL OXYGEN DEMAND <sup>a</sup>	mg/L	MEMBRANE ELECTRODE METHOD (SM: 4500-O G AND 5210 B)	ND	2.0
CHEMICAL OXYGEN DEMAND <sup>a</sup>	mg/L	CLOSED REFLUX, COLOURIMETRIC METHOD (SM: 5220 D)	28.7	25.0
TOTAL SUSPENDED SOLIDS <sup>a</sup>	mg/L	TOTAL SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: 2540 D)	100	5.0
TOTAL DISSOLVED SOLIDS <sup>b</sup>	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: 2540 C)	4,160	25
CHLORIDE <sup>c</sup>	mg/L Cl <sup>-</sup>	ARGENTOMETRIC METHOD (SM: 4500-Cl <sup>-</sup> B)	306	2.0
SULPHIDE <sup>b</sup>	mg/L	IODOMETRIC METHOD (SM: 4500-S <sup>2-</sup> F)	< 0.50	0.50
FLUORIDE <sup>c</sup>	mg/L F <sup>-</sup>	ION-SELECTIVE ELECTRODE METHOD (SM: 4500-F C)	17.0	0.04
TOTAL KJELDAHL NITROGEN <sup>b</sup>	mg/L	IN-HOUSE METHOD: UAE.TP.WAS.001 (KJELDAHL METHOD); SM: 4500-Norg C	< LOQ	1.5
FAT, OIL AND GREASE <sup>c</sup>	mg/L	SOXHLET EXTRACTION METHOD (SM: 5520 D)	ND	3
CYANIDE <sup>c</sup>	mg/L CN <sup>-</sup>	DISTILLATION, PYRIDINE-BARBITURIC ACID METHOD (SM: 4500-CN <sup>-</sup> C AND 4500-CN <sup>-</sup> E)	0.716	0.005
PHENOLS <sup>c</sup>	mg/L	DISTILLATION, 4-AMINOANTIPYRINE METHOD (SM: 5530 B AND 5530 D)	ND	0.1
FORMALDEHYDE <sup>c</sup>	mg/L	DISTILLATION AND COLOURIMETRIC METHOD	ND	0.05
RESIDUAL FREE CHLORINE <sup>c</sup>	mg/L Cl <sub>2</sub>	MODIFIED DPD COLOURIMETRIC METHOD (AT SITE)	ND	0.1
<b>METALS</b>				
ARSENIC <sup>c</sup>	mg/L As	HYDRIDE GENERATION AAS METHOD (SM: 3114 C)	0.0032	0.0003
MERCURY <sup>c</sup>	mg/L Hg	COLD VAPOUR AAS METHOD (SM: 3112 B)	ND	0.0005
HEXAVALENT CHROMIUM <sup>c</sup>	mg/L Cr <sup>6+</sup>	COLOURIMETRIC METHOD (SM: 3500-Cr B)	ND	0.006
ALUMINUM <sup>c</sup>	mg/L Al	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	7.44	0.010



PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	DETECTION LIMIT
			INFLUENT T22AZ420-0003	
CADMIUM <sup>c</sup>	mg/L Cd	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	ND	0.001
COPPER <sup>c</sup>	mg/L Cu	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	0.077	0.001
IRON <sup>c</sup>	mg/L Fe	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	0.125	0.002
LEAD <sup>c</sup>	mg/L Pb	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	ND	0.002
MANGANESE <sup>c</sup>	mg/L Mn	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	0.025	0.001
NICKEL <sup>c</sup>	mg/L Ni	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	0.004	0.001
SILVER <sup>c</sup>	mg/L Ag	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	ND	0.005
ZINC <sup>c</sup>	mg/L Zn	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	0.036	0.001
<b>SAMPLE CONDITION</b>				
WATER'S COLOUR/TURBID			YELLOW/TURBID	
SEDIMENT			BROWN	

<sup>a</sup> : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

<sup>b</sup> : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

<sup>c</sup> : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

IN-HOUSE : BASED ON STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

\* : FLOW RATE CANNOT BE MEASURED.

ND : NON-DETECTABLE.

< LOQ : < LIMIT OF QUANTITATION (TOTAL KJELDAHL NITROGEN  $\geq$  1.5 AND < 5.0 mg/L).

*Benjawan V.*

(MISS BENJAWAN VIRIYOTHA)  
LABORATORY SUPERVISOR

DECEMBER 30, 2022



## ANALYSIS REPORT

<b>CUSTOMER NAME</b>	: ROJANA INDUSTRIAL MANAGEMENT COMPANY LIMITED	<b>RECEIVED DATE</b>	: DECEMBER 20, 2022
<b>ADDRESS</b>	: 2034/115 26TH FLOOR ITALTHAI TOWER, NEW PETCHBURI ROAD BANG KAPI HUAI KHWANG BANGKOK 10310	<b>ANALYTICAL DATE</b>	: DECEMBER 20-29, 2022
<b>CONTACT INFORMATION</b>	: TEL : 0 2318 6788 e-mail : dusadee_kpy@hotmail.com	<b>REPORT NO.</b>	: 2022-U104159
<b>SAMPLING SOURCE</b>	: BOWIN	<b>WORK NO.</b>	: 2021-008810
<b>SAMPLE TYPE</b>	: EFFLUENT	<b>ANALYSIS NO.</b>	: T22AZ420-0004
<b>SAMPLING DATE</b>	: DECEMBER 20, 2022		
<b>SAMPLING TIME</b>	: 10:25 HOUR		
<b>SAMPLING METHOD °</b>	: GRAB		
<b>SAMPLING BY °</b>	: MR NAPASIT SRIPIM		
<b>ANALYZED BY</b>	: MISS AMONRAT PUTTALEE		

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			EFFLUENT T22AZ420-0004		
pH °	-	ELECTROMETRIC METHOD AT SITE (SM:4500-H° B)	7.8 (26°C)	5.5-9.0	-
ELECTRICAL CONDUCTIVITY °	µmhos/cm	ELECTRICAL CONDUCTIVITY METHOD AT SITE (SM: 2510 B)	5,680 (26°C)	-	0.1
TEMPERATURE °	°C	THERMOMETER AT SITE (SM: 2550 B)	26	≤ 40	-
DISSOLVED OXYGEN °	mg/L	MEMBRANE ELECTRODE METHOD AT SITE (SM: 4500-O G)	3.7	-	0.5
FLOW RATE °	m³/s	CURRENT METER AND CALCULATION	-	-	-
BIOCHEMICAL OXYGEN DEMAND °	mg/L	MEMBRANE ELECTRODE METHOD (SM: 4500-O G AND 5210 B)	ND	≤ 20	2.0
CHEMICAL OXYGEN DEMAND °	mg/L	CLOSED REFLUX, COLOURIMETRIC METHOD (SM: 5220 D)	33.2	≤ 120	25.0
TOTAL SUSPENDED SOLIDS °	mg/L	TOTAL SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: 2540 D)	36.3	≤ 50	5.0
TOTAL DISSOLVED SOLIDS °	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: 2540 C)	4,745	≤ 3,000	25
CHLORIDE °	mg/L Cl⁻	ARGENTOMETRIC METHOD (SM: 4500-Cl⁻ B)	354	-	2.0
SULPHIDE °	mg/L	IODOMETRIC METHOD (SM: 4500-S²⁻ F)	< 0.50	≤ 1	0.50
FLUORIDE °	mg/L F⁻	ION-SELECTIVE ELECTRODE METHOD (SM: 4500-F C)	10.2	-	0.04
TOTAL KJELDAHL NITROGEN °	mg/L	IN-HOUSE METHOD: UAE.TP.WAS.001 (KJELDAHL METHOD); SM: 4500-Norg C	< LOQ	≤ 100	1.5
FAT, OIL AND GREASE °	mg/L	SOXHLET EXTRACTION METHOD (SM: 5520 D)	ND	≤ 5	3
CYANIDE °	mg/L CN⁻	DISTILLATION, PYRIDINE-BARBITURIC ACID METHOD (SM: 4500-CN⁻ C AND 4500-CN⁻ E)	1.51	≤ 0.2	0.005
PHENOLS °	mg/L	DISTILLATION, 4-AMINOANTIPYRINE METHOD (SM: 5530 B AND 5530 D)	ND	≤ 1	0.1
FORMALDEHYDE °	mg/L	DISTILLATION AND COLOURIMETRIC METHOD	ND	≤ 1	0.05
RESIDUAL FREE CHLORINE °	mg/L Cl₂	MODIFIED DPD COLOURIMETRIC METHOD (AT SITE)	ND	≤ 1	0.1



PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			EFFLUENT T22AZ420-0004		
METALS					
ARSENIC <sup>c</sup>	mg/L As	HYDRIDE GENERATION AAS METHOD (SM: 3114 C)	0.0020	≤ 0.25	0.0003
MERCURY <sup>c</sup>	mg/L Hg	COLD VAPOUR AAS METHOD (SM: 3112 B)	ND	≤ 0.005	0.0005
HEXAVALENT CHROMIUM <sup>c</sup>	mg/L Cr <sup>6+</sup>	COLOURIMETRIC METHOD (SM: 3500-Cr B)	ND	≤ 0.25	0.006
ALUMINUM <sup>c</sup>	mg/L Al	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	4.14	-	0.010
CADMIUM <sup>c</sup>	mg/L Cd	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	ND	≤ 0.03	0.001
COPPER <sup>c</sup>	mg/L Cu	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	0.040	≤ 2.0	0.001
IRON <sup>c</sup>	mg/L Fe	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	0.070	-	0.002
LEAD <sup>c</sup>	mg/L Pb	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	0.002	≤ 0.2	0.002
MANGANESE <sup>c</sup>	mg/L Mn	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	0.030	≤ 5.0	0.001
NICKEL <sup>c</sup>	mg/L Ni	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	0.004	≤ 1.0	0.001
SILVER <sup>c</sup>	mg/L Ag	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	ND	-	0.005



PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			EFFLUENT T22AZ420-0004		
ZINC <sup>c</sup>	mg/L Zn	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	0.026	≤ 5.0	0.001
<b>SAMPLE CONDITION</b> WATER'S COLOUR/TURBID SEDIMENT			YELLOW/TURBID YELLOW		

<sup>a</sup> : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

<sup>b</sup> : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

<sup>c</sup> : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

IN-HOUSE : BASED ON STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

REGULATORY STANDARD : STANDARD FOR CONTROL THE EFFLUENT FROM INDUSTRIAL PLANTS, INDUSTRIAL ESTATE AND INDUSTRIAL ZONES, NOTIFICATION OF THE MINISTRY OF NATURAL RESOURCES AND ENVIRONMENT B.E. 2559 (2016) AND INDUSTRIAL EFFLUENT STANDARDS, NOTIFICATION OF THE MINISTRY OF INDUSTRY B.E. 2560 (2017).

\* : FLOW RATE CANNOT BE MEASURED.

ND : NON-DETECTABLE.

< LOQ : < LIMIT OF QUANTITATION (TOTAL KJELDAHL NITROGEN ≥ 1.5 AND < 5.0 mg/L).

*Benjawan V.*

(MISS BENJAWAN VIRIYOTHAI)  
LABORATORY SUPERVISOR

DECEMBER 30, 2022



## ANALYSIS REPORT

**CUSTOMER NAME** : ROJANA INDUSTRIAL MANAGEMENT COMPANY LIMITED  
**ADDRESS** : 2034/115 26TH FLOOR ITALTHAI TOWER, NEW PETCHBURI ROAD BANG KAPI HUAI KHWANG BANGKOK 10310  
**CONTACT INFORMATION** : TEL : 0 2318 6788 e-mail : dusadee\_kpy@hotmail.com  
**SAMPLING SOURCE** : BOWIN  
**SAMPLE TYPE** : EFFLUENT  
**SAMPLING DATE** : DECEMBER 20, 2022  
**SAMPLING TIME** : 10:15 HOUR  
**SAMPLING METHOD °** : GRAB  
**SAMPLING BY °** : MR NAPASIT SRIPIM  
**ANALYZED BY** : MISS AKSARIN BUNKONG

**RECEIVED DATE** : DECEMBER 20, 2022  
**ANALYTICAL DATE** : DECEMBER 20-28, 2022  
**REPORT NO.** : 2022-U104160  
**WORK NO.** : 2021-008810  
**ANALYSIS NO.** : T22AZ420-0005

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			HOLDING POND T22AZ420-0005		
pH °	-	ELECTROMETRIC METHOD AT SITE (SM:4500-H° B)	8.0 (25°C)	5.5-9.0	-
BIOCHEMICAL OXYGEN DEMAND °	mg/L	MEMBRANE ELECTRODE METHOD (SM: 4500-O G AND 5210 B)	2.2	≤ 20	2.0
CHEMICAL OXYGEN DEMAND °	mg/L	CLOSED REFLUX, COLOURIMETRIC METHOD (SM: 5220 D)	ND	≤ 120	25.0
FLUORIDE °	mg/L F <sup>-</sup>	ION-SELECTIVE ELECTRODE METHOD (SM: 4500-F° C)	9.59	-	0.04
NITRATE °	mg/L NO <sub>3</sub> <sup>-</sup>	CADMIUM REDUCTION METHOD (SM: 4500 -NO <sub>3</sub> ° E)	278	-	0.09
METALS					
ARSENIC °	mg/L As	HYDRIDE GENERATION AAS METHOD (SM: 3114 C)	0.0023	≤ 0.25	0.0003
CADMIUM °	mg/L Cd	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	ND	≤ 0.03	0.001
CHROMIUM °	mg/L Cr	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	0.009	-	0.001



PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			HOLDING POND T22AZ420-0005		
LEAD <sup>c</sup>	mg/L Pb	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	ND	≤ 0.2	0.002
<b>SAMPLE CONDITION</b> WATER'S COLOUR/TURBID SEDIMENT			YELLOW/CLEAR YELLOW		

<sup>a</sup> : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

<sup>b</sup> : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

<sup>c</sup> : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

REGULATORY STANDARD : STANDARD FOR CONTROL THE EFFLUENT FROM INDUSTRIAL PLANTS, INDUSTRIAL ESTATE AND INDUSTRIAL ZONES, NOTIFICATION OF THE MINISTRY OF NATURAL RESOURCES AND ENVIRONMENT B.E. 2559 (2016) AND INDUSTRIAL EFFLUENT STANDARDS, NOTIFICATION OF THE MINISTRY OF INDUSTRY B.E. 2560 (2017).

ND : NON-DETECTABLE.



(MISS BENJAWAN VIRIYOTHAI)  
LABORATORY SUPERVISOR

DECEMBER 30, 2022

## ANALYSIS REPORT

**CUSTOMER NAME** : ROJANA INDUSTRIAL MANAGEMENT COMPANY LIMITED  
**ADDRESS** : 2034/115 26TH FLOOR ITALTHAI TOWER, NEW PETCHBURI ROAD BANG KAPI HUAI KHWANG BANGKOK 10310  
**CONTACT INFORMATION** : TEL : 0 2318 6788 e-mail : dusadee\_kpy@hotmail.com  
**SAMPLING SOURCE** : BOWIN  
**SAMPLE TYPE** : WASTEWATER  
**SAMPLING DATE** : DECEMBER 27, 2022  
**SAMPLING TIME** : 11:00 HOUR  
**SAMPLING METHOD °** : GRAB  
**SAMPLING BY °** : MR THANADET WANSANOR  
**ANALYZED BY** : MISS AMONRAT PUTTALEE

**RECEIVED DATE** : DECEMBER 28, 2022  
**ANALYTICAL DATE** : DECEMBER 28, 2022 - JANUARY 4, 2023  
**REPORT NO.** : 2023-U000761  
**WORK NO.** : 2021-008810  
**ANALYSIS NO.** : T22AZ910-0003

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	DETECTION LIMIT
			INFLUENT T22AZ910-0003	
pH °	-	ELECTROMETRIC METHOD AT SITE (SM:4500-H+ B)	6.6 (29°C)	-
ELECTRICAL CONDUCTIVITY °	µmhos/cm	ELECTRICAL CONDUCTIVITY METHOD AT SITE (SM: 2510 B)	4,340 (29°C)	0.1
BIOCHEMICAL OXYGEN DEMAND °	mg/L	MEMBRANE ELECTRODE METHOD (SM: 4500-O G AND 5210 B)	2.6	2.0
CHEMICAL OXYGEN DEMAND °	mg/L	CLOSED REFLUX, COLOURIMETRIC METHOD (SM: 5220 D)	26.7	25.0
TOTAL SUSPENDED SOLIDS °	mg/L	TOTAL SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: 2540 D)	54.0	5.0
TOTAL DISSOLVED SOLIDS °	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: 2540 C)	3,643	25
FLUORIDE °	mg/L F-	ION-SELECTIVE ELECTRODE METHOD (SM: 4500-F- C)	8.51	0.04
<b>SAMPLE CONDITION</b> WATER'S COLOUR/TURBID SEDIMENT			YELLOW/TURBID BROWN	

° : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

° : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

° : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

*Paewee Ch.*

(MISS PAWEENA CHARASCHOTEPINIT)  
LABORATORY SUPERVISOR

JANUARY 6, 2023





## ANALYSIS REPORT

**CUSTOMER NAME** : ROJANA INDUSTRIAL MANAGEMENT COMPANY LIMITED  
**ADDRESS** : 2034/115 26TH FLOOR ITALTHAI TOWER, NEW PETCHBURI ROAD BANG KAPI HUAI KHWANG BANGKOK 10310  
**CONTACT INFORMATION** : TEL : 0 2318 6788 e-mail : dusadee\_kpy@hotmail.com  
**SAMPLING SOURCE** : BOWIN  
**SAMPLE TYPE** : EFFLUENT  
**SAMPLING DATE** : DECEMBER 27, 2022  
**SAMPLING TIME** : 10:50 HOUR  
**SAMPLING METHOD °** : GRAB  
**SAMPLING BY °** : MR THANADET WANSANOR  
**ANALYZED BY** : MISS AMONRAT PUTTALEE

**RECEIVED DATE** : DECEMBER 28, 2022  
**ANALYTICAL DATE** : DECEMBER 28, 2022 - JANUARY 4, 2023  
**REPORT NO.** : 2023-U000762  
**WORK NO.** : 2021-008810  
**ANALYSIS NO.** : T22AZ910-0004

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			EFFLUENT T22AZ910-0004		
pH °	-	ELECTROMETRIC METHOD AT SITE (SM:4500-H+ B)	6.9 (28°C)	5.5-9.0	-
ELECTRICAL CONDUCTIVITY °	µmhos/cm	ELECTRICAL CONDUCTIVITY METHOD AT SITE (SM: 2510 B)	5,010 (28°C)	-	0.1
BIOCHEMICAL OXYGEN DEMAND °	mg/L	MEMBRANE ELECTRODE METHOD (SM: 4500-O G AND 5210 B)	4.8	≤ 20	2.0
CHEMICAL OXYGEN DEMAND °	mg/L	CLOSED REFLUX, COLOURIMETRIC METHOD (SM: 5220 D)	ND	≤ 120	25.0
TOTAL SUSPENDED SOLIDS °	mg/L	TOTAL SUSPENDED SOLIDS DRIED AT 103- 105 °C (SM: 2540 D)	13.4	≤ 50	5.0
TOTAL DISSOLVED SOLIDS °	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: 2540 C)	4,717	≤ 3,000	25
FLUORIDE °	mg/L F-	ION-SELECTIVE ELECTRODE METHOD (SM: 4500-F C)	11.2	-	0.04
<b>SAMPLE CONDITION</b> WATER'S COLOUR/TURBID SEDIMENT			YELLOW/CLEAR YELLOW		

° : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

° : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

° : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

REGULATORY STANDARD : STANDARD FOR CONTROL THE EFFLUENT FROM INDUSTRIAL PLANTS, INDUSTRIAL ESTATE AND INDUSTRIAL ZONES, NOTIFICATION OF THE MINISTRY OF NATURAL RESOURCES AND ENVIRONMENT B.E. 2559 (2016) AND INDUSTRIAL EFFLUENT STANDARDS, NOTIFICATION OF THE MINISTRY OF INDUSTRY B.E. 2560 (2017).

ND : NON-DETECTABLE.

*Paewee Ch.*

(MISS PAWEENA CHARASCHOTEPINIT)  
LABORATORY SUPERVISOR

JANUARY 6, 2023



## ANALYSIS REPORT

<b>CUSTOMER NAME</b>	: ROJANA INDUSTRIAL MANAGEMENT COMPANY LIMITED	<b>RECEIVED DATE</b>	: DECEMBER 28, 2022
<b>ADDRESS</b>	: 2034/115 26TH FLOOR ITALTHAI TOWER, NEW PETCHBURI ROAD BANG KAPI HUAI KHWANG BANGKOK 10310	<b>ANALYTICAL DATE</b>	: DECEMBER 28, 2022 - JANUARY 4, 2023
<b>CONTACT INFORMATION</b>	: TEL : 0 2318 6788 e-mail : dusadee_kpy@hotmail.com	<b>REPORT NO.</b>	: 2023-U000763
<b>SAMPLING SOURCE</b>	: BOWIN	<b>WORK NO.</b>	: 2021-008810
<b>SAMPLE TYPE</b>	: EFFLUENT	<b>ANALYSIS NO.</b>	: T22AZ910-0005
<b>SAMPLING DATE</b>	: DECEMBER 27, 2022		
<b>SAMPLING TIME</b>	: 10:30 HOUR		
<b>SAMPLING METHOD °</b>	: GRAB		
<b>SAMPLING BY °</b>	: MR THANADET WANSANOR		
<b>ANALYZED BY</b>	: MISS KALLAYA SOMPHONG		

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			HOLDING POND T22AZ910-0005		
pH °	-	ELECTROMETRIC METHOD AT SITE (SM:4500-H° B)	8.4 (26°C)	5.5-9.0	-
BIOCHEMICAL OXYGEN DEMAND °	mg/L	MEMBRANE ELECTRODE METHOD (SM: 4500-O G AND 5210 B)	ND	≤ 20	2.0
CHEMICAL OXYGEN DEMAND °	mg/L	CLOSED REFLUX, COLOURIMETRIC METHOD (SM: 5220 D)	ND	≤ 120	25.0
FLUORIDE °	mg/L F <sup>-</sup>	ION-SELECTIVE ELECTRODE METHOD (SM: 4500-F° C)	10.6	-	0.04
NITRATE °	mg/L NO <sub>3</sub> <sup>-</sup>	CADMIUM REDUCTION METHOD (SM: 4500 -NO <sub>3</sub> <sup>-</sup> E)	1,028	-	0.09
METALS					
ARSENIC °	mg/L As	HYDRIDE GENERATION AAS METHOD (SM: 3114 C)	0.0019	≤ 0.25	0.0003
CADMIUM °	mg/L Cd	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	ND	≤ 0.03	0.001
CHROMIUM °	mg/L Cr	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	0.009	-	0.001





PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			HOLDING POND T22AZ910-0005		
LEAD <sup>c</sup>	mg/L Pb	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	0.002	≤ 0.2	0.002
<b>SAMPLE CONDITION</b> WATER'S COLOUR/TURBID SEDIMENT			YELLOW/CLEAR YELLOW		

<sup>a</sup> : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

<sup>b</sup> : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

<sup>c</sup> : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

REGULATORY STANDARD : STANDARD FOR CONTROL THE EFFLUENT FROM INDUSTRIAL PLANTS, INDUSTRIAL ESTATE AND  
INDUSTRIAL ZONES, NOTIFICATION OF THE MINISTRY OF NATURAL RESOURCES AND ENVIRONMENT  
B.E. 2559 (2016) AND INDUSTRIAL EFFLUENT STANDARDS, NOTIFICATION OF THE MINISTRY  
OF INDUSTRY B.E. 2560 (2017).

ND : NON-DETECTABLE.

*Bhuchonk p.*

(MR BHUCHONK PANICHLERTUMPI)  
LABORATORY SUPERVISOR

JANUARY 6, 2023

## ANALYSIS REPORT

**CUSTOMER NAME** : ROJANA INDUSTRIAL MANAGEMENT COMPANY LIMITED  
**ADDRESS** : 2034/115 26TH FLOOR ITALTHAI TOWER, NEW PETCHBURI ROAD BANG KAPI HUAI KHWANG BANGKOK 10310  
**CONTACT INFORMATION** : TEL : 0 2318 6788 e-mail : dusadee\_kpy@hotmail.com  
**SAMPLING SOURCE** : DONG HONG COMPANY LIMITED  
**SAMPLE TYPE** : EFFLUENT  
**SAMPLING DATE** : JULY 25, 2022  
**SAMPLING TIME** : 10:47 HOUR  
**SAMPLING METHOD** <sup>c</sup> : GRAB  
**SAMPLING BY** <sup>c</sup> : MR THANADET WANSANOR  
**ANALYZED BY** : MISS PORNPIMOL WAENTHONG

**RECEIVED DATE** : JULY 25, 2022  
**ANALYTICAL DATE** : JULY 25 - AUGUST 4, 2022  
**REPORT NO.** : 2022-U060527  
**WORK NO.** : 2021-008810  
**ANALYSIS NO.** : T22A0703-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			EFFLUENT T22A0703-0001		
pH <sup>c</sup>	-	ELECTROMETRIC METHOD AT SITE (SM:4500-H <sup>+</sup> B)	7.5 (31°C)	5.5-9.0	-
COLOUR (ORIGINAL pH) <sup>b</sup>	ADMI	ADMI WEIGHTED-ORDINATE SPECTROPHOTOMETRIC METHOD (SM: 2120 F)	28	-	10
COLOUR (pH 7.0) <sup>b</sup>	ADMI	ADMI WEIGHTED-ORDINATE SPECTROPHOTOMETRIC METHOD (SM: 2120 F)	28	-	10
BIOCHEMICAL OXYGEN DEMAND <sup>a</sup>	mg/L	MEMBRANE ELECTRODE METHOD (SM: 4500-O G AND 5210 B)	6.5	≤ 350	2.0
CHEMICAL OXYGEN DEMAND <sup>a</sup>	mg/L	CLOSED REFLUX, COLOURIMETRIC METHOD (SM: 5220 D)	37.0	≤ 750	25.0
TOTAL SUSPENDED SOLIDS <sup>a</sup>	mg/L	TOTAL SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: 2540 D)	12.2	≤ 200	5.0
TOTAL DISSOLVED SOLIDS <sup>b</sup>	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: 2540 C)	192	≤ 3,000	25
FAT, OIL AND GREASE <sup>c</sup>	mg/L	SOXHLET EXTRACTION METHOD (SM: 5520 D)	ND	≤ 10.0	3
<b>METALS</b>					
CADMIUM <sup>c</sup>	mg/L Cd	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	ND	≤ 0.03	0.001
CHROMIUM <sup>c</sup>	mg/L Cr	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	0.001	-	0.001
COPPER <sup>c</sup>	mg/L Cu	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	0.003	≤ 2.0	0.001



PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			EFFLUENT T22A0703-0001		
LEAD <sup>c</sup>	mg/L Pb	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	0.004	≤ 0.20	0.002
<b>SAMPLE CONDITION</b> WATER'S COLOUR/TURBID SEDIMENT			YELLOW/TURBID YELLOW		

<sup>a</sup> : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

<sup>b</sup> : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

<sup>c</sup> : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

REGULATORY STANDARD : STANDARD OF DISCHARGED WASTEWATER FROM FACTORY IN ROJANA INDUSTRIAL PARK (CHONBURI).

ND : NON-DETECTABLE.

*Piyapat S.*

(MRS PIYAPAT SUTTAMANUTWONG)  
LABORATORY SUPERVISOR

AUGUST 5, 2022



## ANALYSIS REPORT

**CUSTOMER NAME** : ROJANA INDUSTRIAL MANAGEMENT COMPANY LIMITED  
**ADDRESS** : 2034/115 26TH FLOOR ITALTHAI TOWER, NEW PETCHBURI ROAD BANG KAPI HUAI KHWANG BANGKOK 10310  
**CONTACT INFORMATION** : TEL : 0 2318 6788 e-mail : dusadee\_kpy@hotmail.com  
**SAMPLING SOURCE** : RCI SYSTEMS & ADVANCED CHEMICALS COMPANY LIMITED  
**SAMPLE TYPE** : EFFLUENT  
**SAMPLING DATE** : JULY 25, 2022  
**SAMPLING TIME** : 11:00 HOUR  
**SAMPLING METHOD** : GRAB  
**SAMPLING BY** : MR THANADET WANSANOR  
**ANALYZED BY** : MISS PORNPIMOL WAENTHONG

**RECEIVED DATE** : JULY 25, 2022  
**ANALYTICAL DATE** : JULY 25 - AUGUST 4, 2022  
**REPORT NO.** : 2022-U060528  
**WORK NO.** : 2021-008810  
**ANALYSIS NO.** : T22AO703-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			EFFLUENT T22AO703-0002		
pH <sup>c</sup>	-	ELECTROMETRIC METHOD AT SITE (SM:4500-H <sup>+</sup> B)	8.1 (31°C)	5.5-9.0	-
COLOUR (ORIGINAL pH) <sup>b</sup>	ADMI	ADMI WEIGHTED-ORDINATE SPECTROPHOTOMETRIC METHOD (SM: 2120 F)	95	-	10
COLOUR (pH 7.0) <sup>b</sup>	ADMI	ADMI WEIGHTED-ORDINATE SPECTROPHOTOMETRIC METHOD (SM: 2120 F)	89	-	10
BIOCHEMICAL OXYGEN DEMAND <sup>a</sup>	mg/L	MEMBRANE ELECTRODE METHOD (SM: 4500-O <sub>2</sub> G AND 5210 B)	16.0	≤ 350	2.0
CHEMICAL OXYGEN DEMAND <sup>a</sup>	mg/L	CLOSED REFLUX, COLOURIMETRIC METHOD (SM: 5220 D)	60.5	≤ 750	25.0
TOTAL SUSPENDED SOLIDS <sup>a</sup>	mg/L	TOTAL SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: 2540 D)	37.0	≤ 200	5.0
TOTAL DISSOLVED SOLIDS <sup>b</sup>	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: 2540 C)	362	≤ 3,000	25
FAT, OIL AND GREASE <sup>c</sup>	mg/L	SOXHLET EXTRACTION METHOD (SM: 5520 D)	ND	≤ 10.0	3
METALS					
CADMIUM <sup>c</sup>	mg/L Cd	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	ND	≤ 0.03	0.001
CHROMIUM <sup>c</sup>	mg/L Cr	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	0.001	-	0.001
COPPER <sup>c</sup>	mg/L Cu	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	0.004	≤ 2.0	0.001



PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			EFFLUENT T22A0703-0002		
LEAD <sup>c</sup>	mg/L Pb	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	0.003	≤ 0.20	0.002
<b>SAMPLE CONDITION</b> WATER'S COLOUR/TURBID SEDIMENT			BROWN/TURBID BROWN		

<sup>a</sup> : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

<sup>b</sup> : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

<sup>c</sup> : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

REGULATORY STANDARD : STANDARD OF DISCHARGED WASTEWATER FROM FACTORY IN ROJANA INDUSTRIAL PARK (CHONBURI).

ND : NON-DETECTABLE.

*Piyapat S.*

(MRS PIYAPAT SUTTAMANUTWONG)  
LABORATORY SUPERVISOR

AUGUST 5, 2022



## ANALYSIS REPORT

**CUSTOMER NAME** : ROJANA INDUSTRIAL MANAGEMENT COMPANY LIMITED  
**ADDRESS** : 2034/115 26TH FLOOR ITALTHAI TOWER, NEW PETCHBURI ROAD BANG KAPI HUAI KHWANG BANGKOK 10310  
**CONTACT INFORMATION** : TEL : 0 2318 6788 e-mail : dusadee\_kpy@hotmail.com  
**SAMPLING SOURCE** : DONG HONG COMPANY LIMITED  
**SAMPLE TYPE** : EFFLUENT  
**SAMPLING DATE** : AUGUST 23, 2022  
**SAMPLING TIME** : 10:25 HOUR  
**SAMPLING METHOD <sup>c</sup>** : GRAB  
**SAMPLING BY <sup>c</sup>** : MR NAPASIT SRIPIM  
**ANALYZED BY** : MISS PORNPIMOL WAENTHONG

**RECEIVED DATE** : AUGUST 23, 2022  
**ANALYTICAL DATE** : AUGUST 23-29, 2022  
**REPORT NO.** : 2022-U067765  
**WORK NO.** : 2021-008810  
**ANALYSIS NO.** : T22AQ506-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			EFFLUENT T22AQ506-0001		
pH <sup>c</sup>	-	ELECTROMETRIC METHOD AT SITE (SM:4500-H <sup>+</sup> B)	7.5 (32°C)	5.5-9.0	-
COLOUR (ORIGINAL pH) <sup>b</sup>	ADMI	ADMI WEIGHTED-ORDINATE SPECTROPHOTOMETRIC METHOD (SM: 2120 F)	64	-	10
COLOUR (pH 7.0) <sup>b</sup>	ADMI	ADMI WEIGHTED-ORDINATE SPECTROPHOTOMETRIC METHOD (SM: 2120 F)	48	-	10
BIOCHEMICAL OXYGEN DEMAND <sup>a</sup>	mg/L	MEMBRANE ELECTRODE METHOD (SM: 4500-O <sub>2</sub> G AND 5210 B)	25.9	≤ 350	2.0
CHEMICAL OXYGEN DEMAND <sup>a</sup>	mg/L	CLOSED REFLUX, COLOURIMETRIC METHOD (SM: 5220 D)	95.2	≤ 750	25.0
TOTAL SUSPENDED SOLIDS <sup>a</sup>	mg/L	TOTAL SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: 2540 D)	21.0	≤ 200	5.0
TOTAL DISSOLVED SOLIDS <sup>b</sup>	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: 2540 C)	986	≤ 3,000	25
FAT, OIL AND GREASE <sup>c</sup>	mg/L	SOXHLET EXTRACTION METHOD (SM: 5520 D)	ND	≤ 10.0	3
METALS					
CADMIUM <sup>c</sup>	mg/L Cd	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	ND	≤ 0.03	0.001
CHROMIUM <sup>c</sup>	mg/L Cr	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	ND	-	0.001
COPPER <sup>c</sup>	mg/L Cu	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	0.003	≤ 2.0	0.001



PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			EFFLUENT T22AQ506-0001		
LEAD <sup>c</sup>	mg/L Pb	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	ND	≤ 0.20	0.002
<b>SAMPLE CONDITION</b> WATER'S COLOUR/TURBID SEDIMENT			YELLOW/TURBID BLACK		

<sup>a</sup> : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

<sup>b</sup> : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

<sup>c</sup> : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

REGULATORY STANDARD : STANDARD OF DISCHARGED WASTEWATER FROM FACTORY IN ROJANA INDUSTRIAL PARK (CHONBURI).

ND : NON-DETECTABLE.

*Piyapat S.*

(MRS PIYAPAT SUTTAMANUTWONG)  
LABORATORY SUPERVISOR

SEPTEMBER 1, 2022



## ANALYSIS REPORT

**CUSTOMER NAME** : ROJANA INDUSTRIAL MANAGEMENT COMPANY LIMITED  
**ADDRESS** : 2034/115 26TH FLOOR ITALTHAI TOWER, NEW PETCHBURI ROAD BANG KAPI HUAI KHWANG BANGKOK 10310  
**CONTACT INFORMATION** : TEL : 0 2318 6788 e-mail : dusadee\_kpy@hotmail.com  
**SAMPLING SOURCE** : RCI SYSTEMS & ADVANCED CHEMICALS COMPANY LIMITED  
**SAMPLE TYPE** : EFFLUENT  
**SAMPLING DATE** : AUGUST 23, 2022  
**SAMPLING TIME** : 10:35 HOUR  
**SAMPLING METHOD <sup>c</sup>** : GRAB  
**SAMPLING BY <sup>c</sup>** : MR NAPASIT SRIPIM  
**ANALYZED BY** : MISS PORNPIMOL WAENTHONG

**RECEIVED DATE** : AUGUST 23, 2022  
**ANALYTICAL DATE** : AUGUST 23-29, 2022  
**REPORT NO.** : 2022-U067766  
**WORK NO.** : 2021-008810  
**ANALYSIS NO.** : T22AQ506-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			EFFLUENT T22AQ506-0002		
pH <sup>c</sup>	-	ELECTROMETRIC METHOD AT SITE (SM:4500-H <sup>+</sup> B)	8.0 (31°C)	5.5-9.0	-
COLOUR (ORIGINAL pH) <sup>b</sup>	ADMI	ADMI WEIGHTED-ORDINATE SPECTROPHOTOMETRIC METHOD (SM: 2120 F)	69	-	10
COLOUR (pH 7.0) <sup>b</sup>	ADMI	ADMI WEIGHTED-ORDINATE SPECTROPHOTOMETRIC METHOD (SM: 2120 F)	65	-	10
BIOCHEMICAL OXYGEN DEMAND <sup>a</sup>	mg/L	MEMBRANE ELECTRODE METHOD (SM: 4500-O <sub>2</sub> G AND 5210 B)	9.6	≤ 350	2.0
CHEMICAL OXYGEN DEMAND <sup>a</sup>	mg/L	CLOSED REFLUX, COLOURIMETRIC METHOD (SM: 5220 D)	43.0	≤ 750	25.0
TOTAL SUSPENDED SOLIDS <sup>a</sup>	mg/L	TOTAL SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: 2540 D)	11.3	≤ 200	5.0
TOTAL DISSOLVED SOLIDS <sup>b</sup>	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: 2540 C)	326	≤ 3,000	25
FAT, OIL AND GREASE <sup>c</sup>	mg/L	SOXHLET EXTRACTION METHOD (SM: 5520 D)	ND	≤ 10.0	3
METALS					
CADMIUM <sup>c</sup>	mg/L Cd	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	ND	≤ 0.03	0.001
CHROMIUM <sup>c</sup>	mg/L Cr	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	ND	-	0.001
COPPER <sup>c</sup>	mg/L Cu	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	0.005	≤ 2.0	0.001



PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			EFFLUENT T22AQ506-0002		
LEAD <sup>c</sup>	mg/L Pb	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	ND	≤ 0.20	0.002
<b>SAMPLE CONDITION</b> WATER'S COLOUR/TURBID SEDIMENT			YELLOW/TURBID BROWN		

<sup>a</sup> : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

<sup>b</sup> : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

<sup>c</sup> : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

REGULATORY STANDARD : STANDARD OF DISCHARGED WASTEWATER FROM FACTORY IN ROJANA INDUSTRIAL PARK (CHONBURI).

ND : NON-DETECTABLE.

*Piyapat S.*

(MRS PIYAPAT SUTTAMANUTWONG)  
LABORATORY SUPERVISOR

SEPTEMBER 1, 2022



## ANALYSIS REPORT

**CUSTOMER NAME** : ROJANA INDUSTRIAL MANAGEMENT COMPANY LIMITED  
**ADDRESS** : 2034/115 26TH FLOOR ITALTHAI TOWER, NEW PETCHBURI ROAD BANG KAPI HUAI KHWANG BANGKOK 10310  
**CONTACT INFORMATION** : TEL : 0 2318 6788 e-mail : dusadee\_kpy@hotmail.com  
**SAMPLING SOURCE** : DONG HONG COMPANY LIMITED  
**SAMPLE TYPE** : EFFLUENT  
**SAMPLING DATE** : SEPTEMBER 27, 2022  
**SAMPLING TIME** : 10:15 HOUR  
**SAMPLING METHOD <sup>c</sup>** : GRAB  
**SAMPLING BY <sup>c</sup>** : MR THANADET WANSANOR  
**ANALYZED BY** : MISS PORNPIMOL WAENTHONG

**RECEIVED DATE** : SEPTEMBER 27, 2022  
**ANALYTICAL DATE** : SEPTEMBER 27 - OCTOBER 4, 2022  
**REPORT NO.** : 2022-U078448  
**WORK NO.** : 2021-008810  
**ANALYSIS NO.** : T22AT156-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			EFFLUENT T22AT156-0001		
pH <sup>c</sup>	-	ELECTROMETRIC METHOD AT SITE (SM:4500-H <sup>+</sup> B)	7.4 (29°C)	5.5-9.0	-
COLOUR (ORIGINAL pH) <sup>b</sup>	ADMI	ADMI WEIGHTED-ORDINATE SPECTROPHOTOMETRIC METHOD (SM: 2120 F)	< 10	-	10
COLOUR (pH 7.0) <sup>b</sup>	ADMI	ADMI WEIGHTED-ORDINATE SPECTROPHOTOMETRIC METHOD (SM: 2120 F)	< 10	-	10
BIOCHEMICAL OXYGEN DEMAND <sup>a</sup>	mg/L	MEMBRANE ELECTRODE METHOD (SM: 4500-O <sub>2</sub> G AND 5210 B)	2.4	≤ 350	2.0
CHEMICAL OXYGEN DEMAND <sup>a</sup>	mg/L	CLOSED REFLUX, COLOURIMETRIC METHOD (SM: 5220 D)	ND	≤ 750	25.0
TOTAL SUSPENDED SOLIDS <sup>a</sup>	mg/L	TOTAL SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: 2540 D)	12.3	≤ 200	5.0
TOTAL DISSOLVED SOLIDS <sup>b</sup>	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: 2540 C)	124	≤ 3,000	25
FAT, OIL AND GREASE <sup>c</sup>	mg/L	SOXHLET EXTRACTION METHOD (SM: 5520 D)	ND	≤ 10.0	3
<b>METALS</b>					
CADMIUM <sup>c</sup>	mg/L Cd	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	ND	≤ 0.03	0.001
CHROMIUM <sup>c</sup>	mg/L Cr	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	ND	-	0.001
COPPER <sup>c</sup>	mg/L Cu	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	0.001	≤ 2.0	0.001





PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			EFFLUENT T22AT156-0001		
LEAD <sup>c</sup>	mg/L Pb	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	0.002	≤ 0.20	0.002
<b>SAMPLE CONDITION</b> WATER'S COLOUR/TURBID SEDIMENT			YELLOW/TURBID BROWN		

<sup>a</sup> : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

<sup>b</sup> : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

<sup>c</sup> : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

REGULATORY STANDARD : STANDARD OF DISCHARGED WASTEWATER FROM FACTORY IN ROJANA INDUSTRIAL PARK (CHONBURI).

ND : NON-DETECTABLE.

*Benjawan V.*

(MISS BENJAWAN VIRIYOTHAI)  
LABORATORY SUPERVISOR

OCTOBER 6, 2022

## ANALYSIS REPORT

<b>CUSTOMER NAME</b>	: ROJANA INDUSTRIAL MANAGEMENT COMPANY LIMITED	<b>RECEIVED DATE</b>	: SEPTEMBER 27, 2022
<b>ADDRESS</b>	: 2034/115 26TH FLOOR ITALTHAI TOWER, NEW PETCHBURI ROAD BANG KAPI HUAI KHWANG BANGKOK 10310	<b>ANALYTICAL DATE</b>	: SEPTEMBER 27 - OCTOBER 4, 2022
<b>CONTACT INFORMATION</b>	: TEL : 0 2318 6788 e-mail : dusadee_kpy@hotmail.com	<b>REPORT NO.</b>	: 2022-U078449
<b>SAMPLING SOURCE</b>	: RCI SYSTEMS & ADVANCED CHEMICALS COMPANY LIMITED	<b>WORK NO.</b>	: 2021-008810
<b>SAMPLE TYPE</b>	: EFFLUENT	<b>ANALYSIS NO.</b>	: T22AT156-0002
<b>SAMPLING DATE</b>	: SEPTEMBER 27, 2022		
<b>SAMPLING TIME</b>	: 10:25 HOUR		
<b>SAMPLING METHOD <sup>c</sup></b>	: GRAB		
<b>SAMPLING BY <sup>c</sup></b>	: MR THANADET WANSANOR		
<b>ANALYZED BY</b>	: MISS PORNPIMOL WAENTHONG		

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			EFFLUENT T22AT156-0002		
pH <sup>c</sup>	-	ELECTROMETRIC METHOD AT SITE (SM:4500-H <sup>+</sup> B)	7.6 (29°C)	5.5-9.0	-
COLOUR (ORIGINAL pH) <sup>b</sup>	ADMI	ADMI WEIGHTED-ORDINATE SPECTROPHOTOMETRIC METHOD (SM: 2120 F)	26	-	10
COLOUR (pH 7.0) <sup>b</sup>	ADMI	ADMI WEIGHTED-ORDINATE SPECTROPHOTOMETRIC METHOD (SM: 2120 F)	25	-	10
BIOCHEMICAL OXYGEN DEMAND <sup>a</sup>	mg/L	MEMBRANE ELECTRODE METHOD (SM: 4500-O G AND 5210 B)	5.7	≤ 350	2.0
CHEMICAL OXYGEN DEMAND <sup>a</sup>	mg/L	CLOSED REFLUX, COLOURIMETRIC METHOD (SM: 5220 D)	ND	≤ 750	25.0
TOTAL SUSPENDED SOLIDS <sup>a</sup>	mg/L	TOTAL SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: 2540 D)	5.2	≤ 200	5.0
TOTAL DISSOLVED SOLIDS <sup>b</sup>	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: 2540 C)	202	≤ 3,000	25
FAT, OIL AND GREASE <sup>c</sup>	mg/L	SOXHLET EXTRACTION METHOD (SM: 5520 D)	ND	≤ 10.0	3
METALS					
CADMIUM <sup>c</sup>	mg/L Cd	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	ND	≤ 0.03	0.001
CHROMIUM <sup>c</sup>	mg/L Cr	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	ND	-	0.001
COPPER <sup>c</sup>	mg/L Cu	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	0.005	≤ 2.0	0.001



PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			EFFLUENT T22AT156-0002		
LEAD <sup>c</sup>	mg/L Pb	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	ND	≤ 0.20	0.002
<b>SAMPLE CONDITION</b> WATER'S COLOUR/TURBID SEDIMENT			YELLOW/TURBID BROWN		

<sup>a</sup> : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

<sup>b</sup> : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

<sup>c</sup> : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

REGULATORY STANDARD : STANDARD OF DISCHARGED WASTEWATER FROM FACTORY IN ROJANA INDUSTRIAL PARK (CHONBURI).

ND : NON-DETECTABLE.

*Benjawan V.*

(MISS BENJAWAN VIRIYOTHAI)  
LABORATORY SUPERVISOR

OCTOBER 6, 2022



## ANALYSIS REPORT

<b>CUSTOMER NAME</b>	: ROJANA INDUSTRIAL MANAGEMENT COMPANY LIMITED	<b>RECEIVED DATE</b>	: OCTOBER 25, 2022
<b>ADDRESS</b>	: 2034/115 26TH FLOOR ITALTHAI TOWER, NEW PETCHBURI ROAD BANG KAPI HUAI KHWANG BANGKOK 10310	<b>ANALYTICAL DATE</b>	: OCTOBER 25 - NOVEMBER 1, 2022
<b>CONTACT INFORMATION</b>	: TEL : 0 2318 6788 e-mail : dusadee_kpy@hotmail.com	<b>REPORT NO.</b>	: 2022-U086193
<b>SAMPLING SOURCE</b>	: DONG HONG COMPANY LIMITED	<b>WORK NO.</b>	: 2021-008810
<b>SAMPLE TYPE</b>	: EFFLUENT	<b>ANALYSIS NO.</b>	: T22AV158-0001
<b>SAMPLING DATE</b>	: OCTOBER 25, 2022		
<b>SAMPLING TIME</b>	: 11:19 HOUR		
<b>SAMPLING METHOD <sup>c</sup></b>	: GRAB		
<b>SAMPLING BY <sup>c</sup></b>	: MR NAPASIT SRIPIM		
<b>ANALYZED BY</b>	: MISS PORNPIMOL WAENTHONG		

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			EFFLUENT T22AV158-0001		
pH <sup>c</sup>	-	ELECTROMETRIC METHOD AT SITE (SM:4500-H <sup>+</sup> B)	7.0 (30°C)	5.5-9.0	-
COLOUR (ORIGINAL pH) <sup>b</sup>	ADMI	ADMI WEIGHTED-ORDINATE SPECTROPHOTOMETRIC METHOD (SM: 2120 F)	53	-	10
COLOUR (pH 7.0) <sup>b</sup>	ADMI	ADMI WEIGHTED-ORDINATE SPECTROPHOTOMETRIC METHOD (SM: 2120 F)	45	-	10
BIOCHEMICAL OXYGEN DEMAND <sup>a</sup>	mg/L	MEMBRANE ELECTRODE METHOD (SM: 4500-O <sub>2</sub> G AND 5210 B)	40.0	≤ 350	2.0
CHEMICAL OXYGEN DEMAND <sup>a</sup>	mg/L	CLOSED REFLUX, COLOURIMETRIC METHOD (SM: 5220 D)	138	≤ 750	25.0
TOTAL SUSPENDED SOLIDS <sup>a</sup>	mg/L	TOTAL SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: 2540 D)	141	≤ 200	5.0
TOTAL DISSOLVED SOLIDS <sup>b</sup>	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: 2540 C)	540	≤ 3,000	25
FAT, OIL AND GREASE <sup>c</sup>	mg/L	SOXHLET EXTRACTION METHOD (SM: 5520 D)	ND	≤ 10.0	3
<b>METALS</b>					
CADMIUM <sup>c</sup>	mg/L Cd	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	ND	≤ 0.03	0.001
CHROMIUM <sup>c</sup>	mg/L Cr	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	0.006	-	0.001
COPPER <sup>c</sup>	mg/L Cu	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	0.006	≤ 2.0	0.001



PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			EFFLUENT T22AV158-0001		
LEAD <sup>c</sup>	mg/L Pb	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	0.012	≤ 0.20	0.002
<b>SAMPLE CONDITION</b> WATER'S COLOUR/TURBID SEDIMENT			GREY/TURBID GREY		

<sup>a</sup> : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

<sup>b</sup> : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

<sup>c</sup> : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

REGULATORY STANDARD : STANDARD OF DISCHARGED WASTEWATER FROM FACTORY IN ROJANA INDUSTRIAL PARK (CHONBURI).

ND : NON-DETECTABLE.

*Bhuchonk p.*

(MR BHUCHONK PANICHLERTUMPI)  
LABORATORY SUPERVISOR

NOVEMBER 4, 2022



## ANALYSIS REPORT

<b>CUSTOMER NAME</b>	: ROJANA INDUSTRIAL MANAGEMENT COMPANY LIMITED	<b>RECEIVED DATE</b>	: OCTOBER 25, 2022
<b>ADDRESS</b>	: 2034/115 26TH FLOOR ITALTHAI TOWER, NEW PETCHBURI ROAD BANG KAPI HUAI KHWANG BANGKOK 10310	<b>ANALYTICAL DATE</b>	: OCTOBER 25 - NOVEMBER 1, 2022
<b>CONTACT INFORMATION</b>	: TEL : 0 2318 6788 e-mail : dusadee_kpy@hotmail.com	<b>REPORT NO.</b>	: 2022-U086194
<b>SAMPLING SOURCE</b>	: RCI SYSTEMS & ADVANCED CHEMICALS COMPANY LIMITED	<b>WORK NO.</b>	: 2021-008810
<b>SAMPLE TYPE</b>	: EFFLUENT	<b>ANALYSIS NO.</b>	: T22AV158-0002
<b>SAMPLING DATE</b>	: OCTOBER 25, 2022		
<b>SAMPLING TIME</b>	: 11:30 HOUR		
<b>SAMPLING METHOD <sup>c</sup></b>	: GRAB		
<b>SAMPLING BY <sup>c</sup></b>	: MR NAPASIT SRIPIM		
<b>ANALYZED BY</b>	: MISS PORNPIMOL WAENTHONG		

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			EFFLUENT T22AV158-0002		
pH <sup>c</sup>	-	ELECTROMETRIC METHOD AT SITE (SM:4500-H <sup>+</sup> B)	7.3 (30°C)	5.5-9.0	-
COLOUR (ORIGINAL pH) <sup>b</sup>	ADMI	ADMI WEIGHTED-ORDINATE SPECTROPHOTOMETRIC METHOD (SM: 2120 F)	38	-	10
COLOUR (pH 7.0) <sup>b</sup>	ADMI	ADMI WEIGHTED-ORDINATE SPECTROPHOTOMETRIC METHOD (SM: 2120 F)	32	-	10
BIOCHEMICAL OXYGEN DEMAND <sup>a</sup>	mg/L	MEMBRANE ELECTRODE METHOD (SM: 4500-O <sub>2</sub> G AND 5210 B)	3.3	≤ 350	2.0
CHEMICAL OXYGEN DEMAND <sup>a</sup>	mg/L	CLOSED REFLUX, COLOURIMETRIC METHOD (SM: 5220 D)	ND	≤ 750	25.0
TOTAL SUSPENDED SOLIDS <sup>a</sup>	mg/L	TOTAL SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: 2540 D)	5.2	≤ 200	5.0
TOTAL DISSOLVED SOLIDS <sup>b</sup>	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: 2540 C)	131	≤ 3,000	25
FAT, OIL AND GREASE <sup>c</sup>	mg/L	SOXHLET EXTRACTION METHOD (SM: 5520 D)	ND	≤ 10.0	3
<b>METALS</b>					
CADMIUM <sup>c</sup>	mg/L Cd	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	ND	≤ 0.03	0.001
CHROMIUM <sup>c</sup>	mg/L Cr	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	ND	-	0.001
COPPER <sup>c</sup>	mg/L Cu	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	0.003	≤ 2.0	0.001



PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			EFFLUENT T22AV158-0002		
LEAD <sup>c</sup>	mg/L Pb	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	ND	≤ 0.20	0.002
<b>SAMPLE CONDITION</b> WATER'S COLOUR/TURBID SEDIMENT			YELLOW/CLEAR BROWN		

<sup>a</sup> : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

<sup>b</sup> : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

<sup>c</sup> : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

REGULATORY STANDARD : STANDARD OF DISCHARGED WASTEWATER FROM FACTORY IN ROJANA INDUSTRIAL PARK (CHONBURI).

ND : NON-DETECTABLE.

*Bhuchonk p.*

(MR BHUCHONK PANICHLERTUMPI)  
LABORATORY SUPERVISOR

NOVEMBER 4, 2022



## ANALYSIS REPORT

<b>CUSTOMER NAME</b>	: ROJANA INDUSTRIAL MANAGEMENT COMPANY LIMITED	<b>RECEIVED DATE</b>	: NOVEMBER 22, 2022
<b>ADDRESS</b>	: 2034/115 26TH FLOOR ITALTHAI TOWER, NEW PETCHBURI ROAD BANG KAPI HUAI KHWANG BANGKOK 10310	<b>ANALYTICAL DATE</b>	: NOVEMBER 22-29, 2022
<b>CONTACT INFORMATION</b>	: TEL : 0 2318 6788 e-mail : dusadee_kpy@hotmail.com	<b>REPORT NO.</b>	: 2022-U095318
<b>SAMPLING SOURCE</b>	: DONG HONG COMPANY LIMITED	<b>WORK NO.</b>	: 2021-008810
<b>SAMPLE TYPE</b>	: EFFLUENT	<b>ANALYSIS NO.</b>	: T22AX318-0001
<b>SAMPLING DATE</b>	: NOVEMBER 22, 2022		
<b>SAMPLING TIME</b>	: 10:30 HOUR		
<b>SAMPLING METHOD <sup>c</sup></b>	: GRAB		
<b>SAMPLING BY <sup>c</sup></b>	: MR NAPASIT SRIPIM		
<b>ANALYZED BY</b>	: MISS AMONRAT PUTTALEE		

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			EFFLUENT T22AX318-0001		
pH <sup>c</sup>	-	ELECTROMETRIC METHOD AT SITE (SM:4500-H <sup>+</sup> B)	8.0 (30°C)	5.5-9.0	-
COLOUR (ORIGINAL pH) <sup>b</sup>	ADMI	ADMI WEIGHTED-ORDINATE SPECTROPHOTOMETRIC METHOD (SM: 2120 F)	84	-	10
COLOUR (pH 7.0) <sup>b</sup>	ADMI	ADMI WEIGHTED-ORDINATE SPECTROPHOTOMETRIC METHOD (SM: 2120 F)	82	-	10
BIOCHEMICAL OXYGEN DEMAND <sup>a</sup>	mg/L	MEMBRANE ELECTRODE METHOD (SM: 4500-O G AND 5210 B)	31.0	≤ 350	2.0
CHEMICAL OXYGEN DEMAND <sup>a</sup>	mg/L	CLOSED REFLUX, COLOURIMETRIC METHOD (SM: 5220 D)	76.2	≤ 750	25.0
TOTAL SUSPENDED SOLIDS <sup>a</sup>	mg/L	TOTAL SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: 2540 D)	38.0	≤ 200	5.0
TOTAL DISSOLVED SOLIDS <sup>b</sup>	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: 2540 C)	378	≤ 3,000	25
FAT, OIL AND GREASE <sup>c</sup>	mg/L	SOXHLET EXTRACTION METHOD (SM: 5520 D)	ND	≤ 10.0	3
<b>METALS</b>					
CADMIUM <sup>c</sup>	mg/L Cd	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	ND	≤ 0.03	0.001
CHROMIUM <sup>c</sup>	mg/L Cr	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	ND	-	0.001
COPPER <sup>c</sup>	mg/L Cu	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	0.003	≤ 2.0	0.001



PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			EFFLUENT T22AX318-0001		
LEAD <sup>c</sup>	mg/L Pb	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	ND	≤ 0.20	0.002
<b>SAMPLE CONDITION</b> WATER'S COLOUR/TURBID SEDIMENT			YELLOW/TURBID BROWN		

<sup>a</sup> : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

<sup>b</sup> : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

<sup>c</sup> : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

REGULATORY STANDARD : STANDARD OF DISCHARGED WASTEWATER FROM FACTORY IN ROJANA INDUSTRIAL PARK (CHONBURI).

ND : NON-DETECTABLE.

*Bhuchonk P.*

(MR BHUCHONK PANICHLERTUMPI)  
LABORATORY SUPERVISOR

NOVEMBER 30, 2022



## ANALYSIS REPORT

<b>CUSTOMER NAME</b>	: ROJANA INDUSTRIAL MANAGEMENT COMPANY LIMITED	<b>RECEIVED DATE</b>	: NOVEMBER 22, 2022
<b>ADDRESS</b>	: 2034/115 26TH FLOOR ITALTHAI TOWER, NEW PETCHBURI ROAD BANG KAPI HUAI KHWANG BANGKOK 10310	<b>ANALYTICAL DATE</b>	: NOVEMBER 22-29, 2022
<b>CONTACT INFORMATION</b>	: TEL : 0 2318 6788 e-mail : dusadee_kpy@hotmail.com	<b>REPORT NO.</b>	: 2022-U095319
<b>SAMPLING SOURCE</b>	: RCI SYSTEMS & ADVANCED CHEMICALS COMPANY LIMITED	<b>WORK NO.</b>	: 2021-008810
<b>SAMPLE TYPE</b>	: EFFLUENT	<b>ANALYSIS NO.</b>	: T22AX318-0002
<b>SAMPLING DATE</b>	: NOVEMBER 22, 2022		
<b>SAMPLING TIME</b>	: 10:38 HOUR		
<b>SAMPLING METHOD <sup>c</sup></b>	: GRAB		
<b>SAMPLING BY <sup>c</sup></b>	: MR NAPASIT SRIPIM		
<b>ANALYZED BY</b>	: MISS AMONRAT PUTTALEE		

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			EFFLUENT T22AX318-0002		
pH <sup>c</sup>	-	ELECTROMETRIC METHOD AT SITE (SM:4500-H <sup>+</sup> B)	8.3 (30°C)	5.5-9.0	-
COLOUR (ORIGINAL pH) <sup>b</sup>	ADMI	ADMI WEIGHTED-ORDINATE SPECTROPHOTOMETRIC METHOD (SM: 2120 F)	40	-	10
COLOUR (pH 7.0) <sup>b</sup>	ADMI	ADMI WEIGHTED-ORDINATE SPECTROPHOTOMETRIC METHOD (SM: 2120 F)	40	-	10
BIOCHEMICAL OXYGEN DEMAND <sup>a</sup>	mg/L	MEMBRANE ELECTRODE METHOD (SM: 4500-O G AND 5210 B)	14.0	≤ 350	2.0
CHEMICAL OXYGEN DEMAND <sup>a</sup>	mg/L	CLOSED REFLUX, COLOURIMETRIC METHOD (SM: 5220 D)	ND	≤ 750	25.0
TOTAL SUSPENDED SOLIDS <sup>a</sup>	mg/L	TOTAL SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: 2540 D)	ND	≤ 200	5.0
TOTAL DISSOLVED SOLIDS <sup>b</sup>	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: 2540 C)	242	≤ 3,000	25
FAT, OIL AND GREASE <sup>c</sup>	mg/L	SOXHLET EXTRACTION METHOD (SM: 5520 D)	ND	≤ 10.0	3
<b>METALS</b>					
CADMIUM <sup>c</sup>	mg/L Cd	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	ND	≤ 0.03	0.001
CHROMIUM <sup>c</sup>	mg/L Cr	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	ND	-	0.001
COPPER <sup>c</sup>	mg/L Cu	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	0.005	≤ 2.0	0.001





PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			EFFLUENT T22AX318-0002		
LEAD <sup>c</sup>	mg/L Pb	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	ND	≤ 0.20	0.002
<b>SAMPLE CONDITION</b> WATER'S COLOUR/TURBID SEDIMENT			YELLOW/CLEAR BROWN		

<sup>a</sup> : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

<sup>b</sup> : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

<sup>c</sup> : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

REGULATORY STANDARD : STANDARD OF DISCHARGED WASTEWATER FROM FACTORY IN ROJANA INDUSTRIAL PARK (CHONBURI).

ND : NON-DETECTABLE.

*Bhuchonk p.*

(MR BHUCHONK PANICHLERTUMPI)  
LABORATORY SUPERVISOR

NOVEMBER 30, 2022

## ANALYSIS REPORT

<b>CUSTOMER NAME</b>	: ROJANA INDUSTRIAL MANAGEMENT COMPANY LIMITED	<b>RECEIVED DATE</b>	: DECEMBER 28, 2022
<b>ADDRESS</b>	: 2034/115 26TH FLOOR ITALTHAI TOWER, NEW PETCHBURI ROAD BANG KAPI HUAI KHWANG BANGKOK 10310	<b>ANALYTICAL DATE</b>	: DECEMBER 28, 2022 - JANUARY 6, 2023
<b>CONTACT INFORMATION</b>	: TEL : 0 2318 6788 e-mail : dusadee_kpy@hotmail.com	<b>REPORT NO.</b>	: 2023-U002420
<b>SAMPLING SOURCE</b>	: DONG HONG COMPANY LIMITED	<b>WORK NO.</b>	: 2021-008810
<b>SAMPLE TYPE</b>	: EFFLUENT	<b>ANALYSIS NO.</b>	: T22AZ898-0001
<b>SAMPLING DATE</b>	: DECEMBER 27, 2022		
<b>SAMPLING TIME</b>	: 11:15 HOUR		
<b>SAMPLING METHOD °</b>	: GRAB		
<b>SAMPLING BY °</b>	: MR THANADET WANSANOR		
<b>ANALYZED BY</b>	: MISS AMONRAT PUTTALEE		

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			EFFLUENT T22AZ898-0001		
pH °	-	ELECTROMETRIC METHOD AT SITE (SM:4500-H* B)	7.6 (27°C)	5.5-9.0	-
COLOUR (ORIGINAL pH) <sup>b</sup>	ADMI	ADMI WEIGHTED-ORDINATE SPECTROPHOTOMETRIC METHOD (SM: 2120 F)	49	-	10
COLOUR (pH 7.0) <sup>b</sup>	ADMI	ADMI WEIGHTED-ORDINATE SPECTROPHOTOMETRIC METHOD (SM: 2120 F)	46	-	10
BIOCHEMICAL OXYGEN DEMAND <sup>a</sup>	mg/L	MEMBRANE ELECTRODE METHOD (SM: 4500-O G AND 5210 B)	215	≤ 350	2.0
CHEMICAL OXYGEN DEMAND <sup>a</sup>	mg/L	CLOSED REFLUX, COLOURIMETRIC METHOD (SM: 5220 D)	99.9	≤ 750	25.0
TOTAL SUSPENDED SOLIDS <sup>a</sup>	mg/L	TOTAL SUSPENDED SOLIDS DRIED AT 103- 105 °C (SM: 2540 D)	67.0	≤ 200	5.0
TOTAL DISSOLVED SOLIDS <sup>b</sup>	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: 2540 C)	398	≤ 3,000	25
FAT, OIL AND GREASE °	mg/L	SOXHLET EXTRACTION METHOD (SM: 5520 D)	ND	≤ 10.0	3
METALS					
CADMIUM °	mg/L Cd	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	ND	≤ 0.03	0.001
CHROMIUM °	mg/L Cr	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	0.002	-	0.001
COPPER °	mg/L Cu	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	0.005	≤ 2.0	0.001



PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			EFFLUENT T22AZ898-0001		
LEAD <sup>c</sup>	mg/L Pb	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	ND	≤ 0.20	0.002
<b>SAMPLE CONDITION</b> WATER'S COLOUR/TURBID SEDIMENT			YELLOW/TURBID BROWN		

<sup>a</sup> : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

<sup>b</sup> : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

<sup>c</sup> : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

REGULATORY STANDARD : STANDARD OF DISCHARGED WASTEWATER FROM FACTORY IN ROJANA INDUSTRIAL PARK (CHONBURI).

ND : NON-DETECTABLE.

*Bhuchonk P.*

(MR BHUCHONK PANICHLERTUMPI)  
LABORATORY SUPERVISOR

JANUARY 11, 2023



## ANALYSIS REPORT

**CUSTOMER NAME** : ROJANA INDUSTRIAL MANAGEMENT COMPANY LIMITED

**ADDRESS** : 2034/115 26TH FLOOR ITALTHAI TOWER, NEW PETCHBURI ROAD BANG KAPI HUAI KHWANG BANGKOK 10310

**CONTACT INFORMATION** : TEL : 0 2318 6788 e-mail : dusadee\_kpy@hotmail.com

**SAMPLING SOURCE** : RCI SYSTEMS & ADVANCED CHEMICALS COMPANY LIMITED

**SAMPLE TYPE** : EFFLUENT **RECEIVED DATE** : DECEMBER 28, 2022

**SAMPLING DATE** : DECEMBER 27, 2022 **ANALYTICAL DATE** : DECEMBER 28, 2022 - JANUARY 6, 2023

**SAMPLING TIME** : 11:05 HOUR **REPORT NO.** : 2023-U002421

**SAMPLING METHOD °** : GRAB **WORK NO.** : 2021-008810

**SAMPLING BY °** : MR THANADET WANSANOR **ANALYSIS NO.** : T22AZ898-0002

**ANALYZED BY** : MISS AMONRAT PUTTALEE

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			EFFLUENT T22AZ898-0002		
pH °	-	ELECTROMETRIC METHOD AT SITE (SM:4500-H+ B)	7.1 (26°C)	5.5-9.0	-
COLOUR (ORIGINAL pH) °	ADMI	ADMI WEIGHTED-ORDINATE SPECTROPHOTOMETRIC METHOD (SM: 2120 F)	30	-	10
COLOUR (pH 7.0) °	ADMI	ADMI WEIGHTED-ORDINATE SPECTROPHOTOMETRIC METHOD (SM: 2120 F)	26	-	10
BIOCHEMICAL OXYGEN DEMAND °	mg/L	MEMBRANE ELECTRODE METHOD (SM: 4500-O G AND 5210 B)	ND	≤ 350	2.0
CHEMICAL OXYGEN DEMAND °	mg/L	CLOSED REFLUX, COLOURIMETRIC METHOD (SM: 5220 D)	46.0	≤ 750	25.0
TOTAL SUSPENDED SOLIDS °	mg/L	TOTAL SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: 2540 D)	5.3	≤ 200	5.0
TOTAL DISSOLVED SOLIDS °	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: 2540 C)	245	≤ 3,000	25
FAT, OIL AND GREASE °	mg/L	SOXHLET EXTRACTION METHOD (SM: 5520 D)	ND	≤ 10.0	3
METALS					
CADMIUM °	mg/L Cd	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	ND	≤ 0.03	0.001
CHROMIUM °	mg/L Cr	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	ND	-	0.001
COPPER °	mg/L Cu	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	0.002	≤ 2.0	0.001



PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			EFFLUENT T22AZ898-0002		
LEAD <sup>c</sup>	mg/L Pb	NITRIC ACID-HYDROCHLORIC ACID DIGESTION AND INDUCTIVELY COUPLED PLASMA (ICP) METHOD (SM: 3030 F AND 3120 B)	0.009	≤ 0.20	0.002
<b>SAMPLE CONDITION</b> WATER'S COLOUR/TURBID SEDIMENT			YELLOW/CLEAR BROWN		

<sup>a</sup> : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

<sup>b</sup> : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

<sup>c</sup> : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

REGULATORY STANDARD : STANDARD OF DISCHARGED WASTEWATER FROM FACTORY IN ROJANA INDUSTRIAL PARK (CHONBURI).

ND : NON-DETECTABLE.

*Bhuchonk p.*

(MR BHUCHONK PANICHLERTUMPI)  
LABORATORY SUPERVISOR

JANUARY 11, 2023



ภาคผนวก ค-4

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ผลการตรวจวิเคราะห์คุณภาพน้ำผิวดิน



## Analysis / Test Report

**Client :** Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 2230

**P/O :**

**Project Name :** Chonburi Bowin

**Project Location :**

**TESTING**

**No.0042**

**Lot ID: 2270047**

Date Received : Jul 19, 2022

Date Reported : Jul 26, 2022

Report Number : 2336786-1

Page 1 of 10

<b>Sample Number</b>	2270047-1
<b>Sampled Date</b>	Jul 19, 2022 2:40 PM
<b>Sample Description</b>	Surface Water
<b>Location</b>	SW1 : ห้วยมะนาว ก่อนไหลผ่านพื้นที่โครงการ
<b>Date Analysis Commenced</b>	Jul 19, 2022
<b>Condition of Sample</b>	Contained in one BOD bottle, two glass vials and seven plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
<b>Metals Testing</b>								
<sup>[A]</sup> Aluminium	mg/L	0.003	0.005	0.29	No Standard	No Standard	Based on APHA (2017), 3125	Bangkok
<sup>[A]</sup> Arsenic	mg/L	0.0003	0.0005	0.010	≤0.01	≤0.01	Based on APHA (2017), 3125	Bangkok
<sup>[A]</sup> Cadmium	mg/L	0.0003	0.0005	Not Detected	≤0.005	≤0.005	Based on APHA (2017), 3125	Bangkok
<sup>[A]</sup> Copper	mg/L	0.0003	0.0005	0.003	≤0.10	≤0.10	Based on APHA (2017), 3125	Bangkok
<sup>[A]</sup> Hexavalent Chromium	mg/L	0.003	0.01	Not Detected	≤0.05	≤0.05	Based on APHA (2017), 3500-Cr (B)	Bangkok
<sup>[A]</sup> Iron	mg/L	0.003	0.005	0.98	No Standard	No Standard	Based on APHA (2017), 3125	Bangkok
<sup>[A]</sup> Lead	mg/L	0.0003	0.0005	0.004	≤0.05	≤0.05	Based on APHA (2017), 3125	Bangkok
<sup>[A]</sup> Mercury	mg/L	0.0001	0.0005	Not Detected	≤0.002	≤0.002	Based on US EPA, Method 1631 Revision E	Bangkok
<sup>[A]</sup> Nickel	mg/L	0.0003	0.0005	0.004	≤0.10	≤0.10	Based on APHA (2017), 3125	Bangkok
<sup>[A]</sup> Silver	mg/L	0.0003	0.0005	Not Detected	No Standard	No Standard	Based on APHA (2017), 3125	Bangkok
<sup>[A]</sup> Trivalent Chromium *	mg/L	-	0.01	<0.01	No Standard	No Standard	Based on APHA (2017), Calculated	Bangkok
<sup>[A]</sup> Zinc	mg/L	0.003	0.005	0.008	≤1	≤1	Based on APHA (2017), 3125	Bangkok
<b>Microbiological Testing</b>								
<sup>[A]</sup> Fecal Coliform	MPN/100mL	-	-	7900.0	≤4000	No Standard	APHA (2017), 9221 E	Bangkok
<sup>[A]</sup> Total Coliform	MPN/100mL	-	-	17000.0	≤20000	No Standard	APHA (2017), 9221 B	Bangkok

The above results are valid only for the analyzed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

Approved by

*N. Banchongkit*

Narumon Banchongkit  
Supervisor

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## Analysis / Test Report

**Client :** Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

**P/O :**

**Project Name :** Chonburi Bowin

**Project Location :**

**TESTING**

**No.0042**

**Lot ID: 2270047**

Date Received : Jul 19, 2022

Date Reported : Jul 26, 2022

Report Number : 2336786-1

Page 2 of 10

<b>Sample Number</b>	2270047-1
<b>Sampled Date</b>	Jul 19, 2022 2:40 PM
<b>Sample Description</b>	Surface Water
<b>Location</b>	SW1 : ห้วยมะนาว ก่อนไหลผ่านพื้นที่โครงการ
<b>Date Analysis Commenced</b>	Jul 19, 2022
<b>Condition of Sample</b>	Contained in one BOD bottle, two glass vials and seven plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
<b>Water Testing</b>								
Ammonia Nitrogen *	mg/L	-	0.06	0.12	≤0.5	≤0.5	Based on APHA (2017), 4500-NH3 (B), (F)	Bangkok
BOD (5 days at 20 Degree C) *	mg/L	-	2	2	≤2	≤4	APHA (2017), 5210 B	Rayong
Cyanide as CN	mg/L	0.001	0.005	Not Detected	≤0.005	≤0.005	Based on APHA (2017), 4500-CN(C), (E)	Rayong
Dissolved Oxygen *	mg/L	-	0.1	6.3	≥4	≥2	Based on APHA (2017), 4500-O(C)	Rayong
Flow rate *	m3/s	-	-	0.126	No Standard	No Standard	Flow meter	Rayong
Nitrate as N *	mg/L	0.015	0.05	3.68	≤5	≤5	Based on APHA (2017), 4500-NO3(E)	Rayong
pH at 25 degree C	-	-	-	7.8	5.0-9.0	5.0-9.0	Based on APHA (2017), 4500-H (B)	Rayong
Phenol *	mg/L	0.0005	0.001	Not Detected	≤0.005	≤0.005	APHA (2017), 5530 D	Rayong
Temperature *	Degree C	-	-	31.1	(c)	(c)	Based on APHA (2017), 2550 B	Rayong

**Guideline :** (1) Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 3)  
(2) Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 4)  
(a) Not Change from natural condition  
(b) Non Objectionable  
(c) Change from Natural condition not more than 3 degree C

**Sampled By :** Sayan Yatbamrung , Pratin Sriboonmee

**Remark :**

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked \* is/are not included in scope of Accreditation ISO/IEC 17025.
- 
- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

**Approved by**

*N. Banchongkit*

Narumon Banchongkit  
Supervisor

The above results are valid only for the analyzed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

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## Analysis / Test Report

**Client :** Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 2230

**P/O :**

**Project Name :** Chonburi Bowin

**Project Location :**

**TESTING**

**No.0042**

**Lot ID: 2270047**

Date Received : Jul 19, 2022

Date Reported : Jul 26, 2022

Report Number : 2336786-1

Page 3 of 10

<b>Sample Number</b>	2270047-2
<b>Sampled Date</b>	Jul 19, 2022 2:50 PM
<b>Sample Description</b>	Surface Water
<b>Location</b>	SW2 : ห้วยสาธารณะ ก่อนไหลผ่านพื้นที่โครงการ
<b>Date Analysis Commenced</b>	Jul 19, 2022
<b>Condition of Sample</b>	Contained in one BOD bottle, two glass vials and seven plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
<b>Metals Testing</b>								
<sup>[A]</sup> Aluminium	mg/L	0.003	0.005	0.23	No Standard	No Standard	Based on APHA (2017), 3125	Bangkok
<sup>[A]</sup> Arsenic	mg/L	0.0003	0.0005	0.010	≤0.01	≤0.01	Based on APHA (2017), 3125	Bangkok
<sup>[A]</sup> Cadmium	mg/L	0.0003	0.0005	Not Detected	≤0.005	≤0.005	Based on APHA (2017), 3125	Bangkok
<sup>[A]</sup> Copper	mg/L	0.0003	0.0005	0.08	≤0.10	≤0.10	Based on APHA (2017), 3125	Bangkok
<sup>[A]</sup> Hexavalent Chromium	mg/L	0.003	0.01	Not Detected	≤0.05	≤0.05	Based on APHA (2017), 3500-Cr (B)	Bangkok
<sup>[A]</sup> Iron	mg/L	0.003	0.005	1.31	No Standard	No Standard	Based on APHA (2017), 3125	Bangkok
<sup>[A]</sup> Lead	mg/L	0.0003	0.0005	0.001	≤0.05	≤0.05	Based on APHA (2017), 3125	Bangkok
<sup>[A]</sup> Mercury	mg/L	0.0001	0.0005	Not Detected	≤0.002	≤0.002	Based on US EPA, Method 1631 Revision E	Bangkok
<sup>[A]</sup> Nickel	mg/L	0.0003	0.0005	0.07	≤0.10	≤0.10	Based on APHA (2017), 3125	Bangkok
<sup>[A]</sup> Silver	mg/L	0.0003	0.0005	Not Detected	No Standard	No Standard	Based on APHA (2017), 3125	Bangkok
<sup>[A]</sup> Trivalent Chromium *	mg/L	-	0.01	<0.01	No Standard	No Standard	Based on APHA (2017), Calculated	Bangkok
<sup>[A]</sup> Zinc	mg/L	0.003	0.005	0.10	≤1	≤1	Based on APHA (2017), 3125	Bangkok
<b>Microbiological Testing</b>								
<sup>[A]</sup> Fecal Coliform	MPN/100mL	-	-	7900.0	≤4000	No Standard	APHA (2017), 9221 E	Bangkok
<sup>[A]</sup> Total Coliform	MPN/100mL	-	-	24000.0	≤20000	No Standard	APHA (2017), 9221 B	Bangkok

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Approved by

*N. Banchongkit*

Narumon Banchongkit  
Supervisor

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## Analysis / Test Report

**Client :** Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

**P/O :**

**Project Name :** Chonburi Bowin

**Project Location :**

**TESTING**

**No.0042**

**Lot ID: 2270047**

Date Received : Jul 19, 2022

Date Reported : Jul 26, 2022

Report Number : 2336786-1

Page 4 of 10

<b>Sample Number</b>	2270047-2
<b>Sampled Date</b>	Jul 19, 2022 2:50 PM
<b>Sample Description</b>	Surface Water
<b>Location</b>	SW2 : ห้วยสาธารณะ ก่อนไหลผ่านพื้นที่โครงการ
<b>Date Analysis Commenced</b>	Jul 19, 2022
<b>Condition of Sample</b>	Contained in one BOD bottle, two glass vials and seven plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
<b>Water Testing</b>								
Ammonia Nitrogen *	mg/L	-	0.06	4.08	≤0.5	≤0.5	Based on APHA (2017), 4500-NH3 (B), (F)	Bangkok
BOD (5 days at 20 Degree C) *	mg/L	-	2	8	≤2	≤4	APHA (2017), 5210 B	Rayong
Cyanide as CN	mg/L	0.001	0.005	Not Detected	≤0.005	≤0.005	Based on APHA (2017), 4500-CN(C), (E)	Rayong
Dissolved Oxygen *	mg/L	-	0.1	4.9	≥4	≥2	Based on APHA (2017), 4500-O(C)	Rayong
Flow rate *	m3/s	-	-	0.091	No Standard	No Standard	Flow meter	Rayong
Nitrate as N *	mg/L	0.015	0.05	1.50	≤5	≤5	Based on APHA (2017), 4500-NO3(E)	Rayong
pH at 25 degree C		-	-	7.4	5.0-9.0	5.0-9.0	Based on APHA (2017), 4500-H (B)	Rayong
Phenol *	mg/L	0.0005	0.001	Not Detected	≤0.005	≤0.005	APHA (2017), 5530 D	Rayong
Temperature *	Degree C	-	-	31.8	(c)	(c)	Based on APHA (2017), 2550 B	Rayong

**Guideline :** (1) Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 3)  
(2) Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 4)  
(a) Not Change from natural condition  
(b) Non Objectionable  
(c) Change from Natural condition not more than 3 degree C

**Sampled By :** Sayan Yatbamrung , Pratin Sriboonmee

**Remark :**

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked \* is/are not included in scope of Accreditation ISO/IEC 17025.
- 
- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

**Approved by**

*N. Banchongkit*

Narumon Banchongkit  
Supervisor

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## Analysis / Test Report

**Client :** Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

**P/O :**

**Project Name :** Chonburi Bowin

**Project Location :**

**TESTING**

**No.0042**

**Lot ID: 2270047**

Date Received : Jul 19, 2022

Date Reported : Jul 26, 2022

Report Number : 2336786-1

Page 5 of 10

<b>Sample Number</b>	2270047-3
<b>Sampled Date</b>	Jul 19, 2022 2:22 PM
<b>Sample Description</b>	Surface Water
<b>Location</b>	SW3 : ห้วยพันเสด็จ ก่อนไหลผ่านพื้นที่โครงการ
<b>Date Analysis Commenced</b>	Jul 19, 2022
<b>Condition of Sample</b>	Contained in one BOD bottle, two glass vials and seven plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
<b>Metals Testing</b>								
<sup>[A]</sup> Aluminium	mg/L	0.003	0.005	0.24	No Standard	No Standard	Based on APHA (2017), 3125	Bangkok
<sup>[A]</sup> Arsenic	mg/L	0.0003	0.0005	0.005	≤0.01	≤0.01	Based on APHA (2017), 3125	Bangkok
<sup>[A]</sup> Cadmium	mg/L	0.0003	0.0005	Not Detected	≤0.005	≤0.005	Based on APHA (2017), 3125	Bangkok
<sup>[A]</sup> Copper	mg/L	0.0003	0.0005	0.02	≤0.10	≤0.10	Based on APHA (2017), 3125	Bangkok
<sup>[A]</sup> Hexavalent Chromium	mg/L	0.003	0.01	Not Detected	≤0.05	≤0.05	Based on APHA (2017), 3500-Cr (B)	Bangkok
<sup>[A]</sup> Iron	mg/L	0.003	0.005	1.38	No Standard	No Standard	Based on APHA (2017), 3125	Bangkok
<sup>[A]</sup> Lead	mg/L	0.0003	0.0005	0.0009	≤0.05	≤0.05	Based on APHA (2017), 3125	Bangkok
<sup>[A]</sup> Mercury	mg/L	0.0001	0.0005	Not Detected	≤0.002	≤0.002	Based on US EPA, Method 1631 Revision E	Bangkok
<sup>[A]</sup> Nickel	mg/L	0.0003	0.0005	0.05	≤0.10	≤0.10	Based on APHA (2017), 3125	Bangkok
<sup>[A]</sup> Silver	mg/L	0.0003	0.0005	0.001	No Standard	No Standard	Based on APHA (2017), 3125	Bangkok
<sup>[A]</sup> Trivalent Chromium *	mg/L	-	0.01	0.03	No Standard	No Standard	Based on APHA (2017), Calculated	Bangkok
<sup>[A]</sup> Zinc	mg/L	0.003	0.005	0.01	≤1	≤1	Based on APHA (2017), 3125	Bangkok
<b>Microbiological Testing</b>								
<sup>[A]</sup> Fecal Coliform	MPN/100mL	-	-	3300.0	≤4000	No Standard	APHA (2017), 9221 E	Bangkok
<sup>[A]</sup> Total Coliform	MPN/100mL	-	-	13000.0	≤20000	No Standard	APHA (2017), 9221 B	Bangkok

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*N. Banchongkit*

Narumon Banchongkit  
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## Analysis / Test Report

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168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

**P/O :**

**Project Name :** Chonburi Bowin

**Project Location :**

**TESTING**

**No.0042**

**Lot ID: 2270047**

Date Received : Jul 19, 2022

Date Reported : Jul 26, 2022

Report Number : 2336786-1

Page 6 of 10

<b>Sample Number</b>	2270047-3
<b>Sampled Date</b>	Jul 19, 2022 2:22 PM
<b>Sample Description</b>	Surface Water
<b>Location</b>	SW3 : ห้วยพันเสด็จ ก่อนไหลผ่านพื้นที่โครงการ
<b>Date Analysis Commenced</b>	Jul 19, 2022
<b>Condition of Sample</b>	Contained in one BOD bottle, two glass vials and seven plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
<b>Water Testing</b>								
Ammonia Nitrogen *	mg/L	-	0.06	0.40	≤0.5	≤0.5	Based on APHA (2017), 4500-NH3 (B), (F)	Bangkok
BOD (5 days at 20 Degree C) *	mg/L	-	2	2	≤2	≤4	APHA (2017), 5210 B	Rayong
Cyanide as CN	mg/L	0.001	0.005	Not Detected	≤0.005	≤0.005	Based on APHA (2017), 4500-CN(C), (E)	Rayong
Dissolved Oxygen *	mg/L	-	0.1	4.9	≥4	≥2	Based on APHA (2017), 4500-O(C)	Rayong
Flow rate *	m3/s	-	-	0.154	No Standard	No Standard	Flow meter	Rayong
Nitrate as N *	mg/L	0.015	0.05	1.25	≤5	≤5	Based on APHA (2017), 4500-NO3(E)	Rayong
pH at 25 degree C		-	-	7.5	5.0-9.0	5.0-9.0	Based on APHA (2017), 4500-H (B)	Rayong
Phenol *	mg/L	0.0005	0.001	Not Detected	≤0.005	≤0.005	APHA (2017), 5530 D	Rayong
Temperature *	Degree C	-	-	31.9	(c)	(c)	Based on APHA (2017), 2550 B	Rayong

**Guideline :** (1) Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 3)  
(2) Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 4)  
(a) Not Change from natural condition  
(b) Non Objectionable  
(c) Change from Natural condition not more than 3 degree C

**Sampled By :** Sayan Yatbamrung , Pratin Sriboonmee

**Remark :**

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked \* is/are not included in scope of Accreditation ISO/IEC 17025.
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- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

**Approved by**

*N. Banchongkit*

Narumon Banchongkit  
Supervisor

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**P/O :**

**Project Name :** Chonburi Bowin

**Project Location :**

**TESTING**

**No.0042**

**Lot ID: 2270047**

Date Received : Jul 19, 2022

Date Reported : Jul 26, 2022

Report Number : 2336786-1

Page 7 of 10

<b>Sample Number</b>	2270047-4
<b>Sampled Date</b>	Jul 19, 2022 2:10 PM
<b>Sample Description</b>	Surface Water
<b>Location</b>	SW4 : ห้วยพันเสด็จ บริเวณจุดระบายน้ำทิ้งของโครงการ
<b>Date Analysis Commenced</b>	Jul 19, 2022
<b>Condition of Sample</b>	Contained in one BOD bottle, two glass vials and seven plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
<b>Metals Testing</b>								
<sup>[A]</sup> Aluminium	mg/L	0.003	0.005	0.35	No Standard	No Standard	Based on APHA (2017), 3125	Bangkok
<sup>[A]</sup> Arsenic	mg/L	0.0003	0.0005	0.007	≤0.01	≤0.01	Based on APHA (2017), 3125	Bangkok
<sup>[A]</sup> Cadmium	mg/L	0.0003	0.0005	Not Detected	≤0.005	≤0.005	Based on APHA (2017), 3125	Bangkok
<sup>[A]</sup> Copper	mg/L	0.0003	0.0005	0.02	≤0.10	≤0.10	Based on APHA (2017), 3125	Bangkok
<sup>[A]</sup> Hexavalent Chromium	mg/L	0.003	0.01	Not Detected	≤0.05	≤0.05	Based on APHA (2017), 3500-Cr (B)	Bangkok
<sup>[A]</sup> Iron	mg/L	0.003	0.005	1.43	No Standard	No Standard	Based on APHA (2017), 3125	Bangkok
<sup>[A]</sup> Lead	mg/L	0.0003	0.0005	0.002	≤0.05	≤0.05	Based on APHA (2017), 3125	Bangkok
<sup>[A]</sup> Mercury	mg/L	0.0001	0.0005	Not Detected	≤0.002	≤0.002	Based on US EPA, Method 1631 Revision E	Bangkok
<sup>[A]</sup> Nickel	mg/L	0.0003	0.0005	0.04	≤0.10	≤0.10	Based on APHA (2017), 3125	Bangkok
<sup>[A]</sup> Silver	mg/L	0.0003	0.0005	Not Detected	No Standard	No Standard	Based on APHA (2017), 3125	Bangkok
<sup>[A]</sup> Trivalent Chromium *	mg/L	-	0.01	0.02	No Standard	No Standard	Based on APHA (2017), Calculated	Bangkok
<sup>[A]</sup> Zinc	mg/L	0.003	0.005	0.02	≤1	≤1	Based on APHA (2017), 3125	Bangkok
<b>Microbiological Testing</b>								
<sup>[A]</sup> Fecal Coliform	MPN/100mL	-	-	4900.0	≤4000	No Standard	APHA (2017), 9221 E	Bangkok
<sup>[A]</sup> Total Coliform	MPN/100mL	-	-	24000.0	≤20000	No Standard	APHA (2017), 9221 B	Bangkok

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*N. Banchongkit*

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## Analysis / Test Report

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168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

**P/O :**

**Project Name :** Chonburi Bowin

**Project Location :**

**TESTING**

**No.0042**

**Lot ID: 2270047**

Date Received : Jul 19, 2022

Date Reported : Jul 26, 2022

Report Number : 2336786-1

Page 8 of 10

<b>Sample Number</b>	2270047-4
<b>Sampled Date</b>	Jul 19, 2022 2:10 PM
<b>Sample Description</b>	Surface Water
<b>Location</b>	SW4 : ห้วยพันเสด็จ บริเวณจุดระบายน้ำทิ้งของโครงการ
<b>Date Analysis Commenced</b>	Jul 19, 2022
<b>Condition of Sample</b>	Contained in one BOD bottle, two glass vials and seven plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
<b>Water Testing</b>								
Ammonia Nitrogen *	mg/L	-	0.06	0.41	≤0.5	≤0.5	Based on APHA (2017), 4500-NH3 (B), (F)	Bangkok
BOD (5 days at 20 Degree C) *	mg/L	-	2	2	≤2	≤4	APHA (2017), 5210 B	Rayong
Cyanide as CN	mg/L	0.001	0.005	Not Detected	≤0.005	≤0.005	Based on APHA (2017), 4500-CN(C), (E)	Rayong
Dissolved Oxygen *	mg/L	-	0.1	5.5	≥4	≥2	Based on APHA (2017), 4500-O(C)	Rayong
Flow rate *	m3/s	-	-	0.188	No Standard	No Standard	Flow meter	Rayong
Nitrate as N *	mg/L	0.015	0.05	3.04	≤5	≤5	Based on APHA (2017), 4500-NO3(E)	Rayong
pH at 25 degree C		-	-	7.6	5.0-9.0	5.0-9.0	Based on APHA (2017), 4500-H (B)	Rayong
Phenol *	mg/L	0.0005	0.001	Not Detected	≤0.005	≤0.005	APHA (2017), 5530 D	Rayong
Temperature *	Degree C	-	-	31.4	(c)	(c)	Based on APHA (2017), 2550 B	Rayong

**Guideline :** (1) Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 3)  
(2) Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 4)  
(a) Not Change from natural condition  
(b) Non Objectionable  
(c) Change from Natural condition not more than 3 degree C

**Sampled By :** Sayan Yatbamrung , Pratin Sriboonmee

**Remark :**

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked \* is/are not included in scope of Accreditation ISO/IEC 17025.
- 
- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

**Approved by**

*N. Banchongkit*

Narumon Banchongkit  
Supervisor

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## Analysis / Test Report

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168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

**P/O :**

**Project Name :** Chonburi Bowin

**Project Location :**

**TESTING**

**No.0042**

**Lot ID: 2270047**

Date Received : Jul 19, 2022

Date Reported : Jul 26, 2022

Report Number : 2336786-1

Page 9 of 10

<b>Sample Number</b>	2270047-5
<b>Sampled Date</b>	Jul 19, 2022 3:10 PM
<b>Sample Description</b>	Surface Water
<b>Location</b>	SW5 : ห้วยพันเสด็จ หลังผ่านพื้นที่โครงการ
<b>Date Analysis Commenced</b>	Jul 19, 2022
<b>Condition of Sample</b>	Contained in one BOD bottle, two glass vials and seven plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
<b>Metals Testing</b>								
<sup>[A]</sup> Aluminium	mg/L	0.003	0.005	0.33	No Standard	No Standard	Based on APHA (2017), 3125	Bangkok
<sup>[A]</sup> Arsenic	mg/L	0.0003	0.0005	0.008	≤0.01	≤0.01	Based on APHA (2017), 3125	Bangkok
<sup>[A]</sup> Cadmium	mg/L	0.0003	0.0005	Not Detected	≤0.005	≤0.005	Based on APHA (2017), 3125	Bangkok
<sup>[A]</sup> Copper	mg/L	0.0003	0.0005	0.02	≤0.10	≤0.10	Based on APHA (2017), 3125	Bangkok
<sup>[A]</sup> Hexavalent Chromium	mg/L	0.003	0.01	Not Detected	≤0.05	≤0.05	Based on APHA (2017), 3500-Cr (B)	Bangkok
<sup>[A]</sup> Iron	mg/L	0.003	0.005	1.24	No Standard	No Standard	Based on APHA (2017), 3125	Bangkok
<sup>[A]</sup> Lead	mg/L	0.0003	0.0005	0.002	≤0.05	≤0.05	Based on APHA (2017), 3125	Bangkok
<sup>[A]</sup> Mercury	mg/L	0.0001	0.0005	Not Detected	≤0.002	≤0.002	Based on US EPA, Method 1631 Revision E	Bangkok
<sup>[A]</sup> Nickel	mg/L	0.0003	0.0005	0.03	≤0.10	≤0.10	Based on APHA (2017), 3125	Bangkok
<sup>[A]</sup> Silver	mg/L	0.0003	0.0005	Not Detected	No Standard	No Standard	Based on APHA (2017), 3125	Bangkok
<sup>[A]</sup> Trivalent Chromium *	mg/L	-	0.01	0.02	No Standard	No Standard	Based on APHA (2017), Calculated	Bangkok
<sup>[A]</sup> Zinc	mg/L	0.003	0.005	0.02	≤1	≤1	Based on APHA (2017), 3125	Bangkok
<b>Microbiological Testing</b>								
<sup>[A]</sup> Fecal Coliform	MPN/100mL	-	-	7900.0	≤4000	No Standard	APHA (2017), 9221 E	Bangkok
<sup>[A]</sup> Total Coliform	MPN/100mL	-	-	17000.0	≤20000	No Standard	APHA (2017), 9221 B	Bangkok

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*N. Banchongkit*

Narumon Banchongkit  
Supervisor

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## Analysis / Test Report

**Client :** Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

**P/O :**

**Project Name :** Chonburi Bowin

**Project Location :**

**TESTING**

**No.0042**

**Lot ID: 2270047**

Date Received : Jul 19, 2022

Date Reported : Jul 26, 2022

Report Number : 2336786-1

Page 10 of 10

<b>Sample Number</b>	2270047-5
<b>Sampled Date</b>	Jul 19, 2022 3:10 PM
<b>Sample Description</b>	Surface Water
<b>Location</b>	SW5 : ห้วยพันเสด็จ หลังผ่านพื้นที่โครงการ
<b>Date Analysis Commenced</b>	Jul 19, 2022
<b>Condition of Sample</b>	Contained in one BOD bottle, two glass vials and seven plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
<b>Water Testing</b>								
Ammonia Nitrogen *	mg/L	-	0.06	0.43	≤0.5	≤0.5	Based on APHA (2017), 4500-NH3 (B), (F)	Bangkok
BOD (5 days at 20 Degree C) *	mg/L	-	2	3	≤2	≤4	APHA (2017), 5210 B	Rayong
Cyanide as CN	mg/L	0.001	0.005	Not Detected	≤0.005	≤0.005	Based on APHA (2017), 4500-CN(C), (E)	Rayong
Dissolved Oxygen *	mg/L	-	0.1	5.3	≥4	≥2	Based on APHA (2017), 4500-O(C)	Rayong
Flow rate *	m3/s	-	-	1.475	No Standard	No Standard	Flow meter	Rayong
Nitrate as N *	mg/L	0.015	0.05	9.44	≤5	≤5	Based on APHA (2017), 4500-NO3(E)	Rayong
pH at 25 degree C		-	-	7.5	5.0-9.0	5.0-9.0	Based on APHA (2017), 4500-H (B)	Rayong
Phenol *	mg/L	0.0005	0.001	Not Detected	≤0.005	≤0.005	APHA (2017), 5530 D	Rayong
Temperature *	Degree C	-	-	32.3	(c)	(c)	Based on APHA (2017), 2550 B	Rayong

**Guideline :** (1) Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 3)  
(2) Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 4)  
(a) Not Change from natural condition  
(b) Non Objectionable  
(c) Change from Natural condition not more than 3 degree C

**Sampled By :** Sayan Yatbamrung , Pratin Sriboonmee

**Remark :**

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked \* is/are not included in scope of Accreditation ISO/IEC 17025.
- 
- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

**Approved by**

*N. Banchongkit*

Narumon Banchongkit  
Supervisor

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## Analysis / Test Report

**Client :** Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

**P/O :**

**Project Name :** Chonburi Bowin

**Project Location :**

**TESTING**

**No.0042**

**Lot ID: 2281420**

Date Received : Aug 17, 2022

Date Reported : Aug 25, 2022

Report Number : 2362087-1

Page 1 of 10

<b>Sample Number</b>	2281420-1
<b>Sampled Date</b>	Aug 17, 2022 2:11 PM
<b>Sample Description</b>	Surface Water
<b>Location</b>	SW1 : ห้วยมะนาว ก่อนไหลผ่านพื้นที่โครงการ
<b>Date Analysis Commenced</b>	Aug 17, 2022
<b>Condition of Sample</b>	Contained in two glass vials, one BOD bottle and seven plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
<b>Metals Testing</b>								
<sup>[A]</sup> Aluminium	mg/L	0.003	0.005	0.65	No Standard	No Standard	Based on APHA (2017), 3125	Bangkok
<sup>[A]</sup> Arsenic	mg/L	0.0003	0.0005	0.01	≤0.01	≤0.01	Based on APHA (2017), 3125	Bangkok
<sup>[A]</sup> Cadmium	mg/L	0.0003	0.0005	Not Detected	≤0.005	≤0.005	Based on APHA (2017), 3125	Bangkok
<sup>[A]</sup> Copper	mg/L	0.0003	0.0005	0.006	≤0.10	≤0.10	Based on APHA (2017), 3125	Bangkok
<sup>[A]</sup> Hexavalent Chromium	mg/L	0.003	0.01	Not Detected	≤0.05	≤0.05	Based on APHA (2017), 3500-Cr (B)	Bangkok
<sup>[A]</sup> Iron	mg/L	0.003	0.005	1.82	No Standard	No Standard	Based on APHA (2017), 3125	Bangkok
<sup>[A]</sup> Lead	mg/L	0.0003	0.0005	0.004	≤0.05	≤0.05	Based on APHA (2017), 3125	Bangkok
<sup>[A]</sup> Mercury	mg/L	0.0001	0.0005	Not Detected	≤0.002	≤0.002	Based on US EPA, Method 1631 Revision E	Bangkok
<sup>[A]</sup> Nickel	mg/L	0.0003	0.0005	0.002	≤0.10	≤0.10	Based on APHA (2017), 3125	Bangkok
<sup>[A]</sup> Silver	mg/L	0.0003	0.0005	Not Detected	No Standard	No Standard	Based on APHA (2017), 3125	Bangkok
Trivalent Chromium *	mg/L	-	0.01	<0.01	No Standard	No Standard	Based on APHA (2017), Calculated	Bangkok
<sup>[A]</sup> Zinc	mg/L	0.003	0.005	0.02	≤1	≤1	Based on APHA (2017), 3125	Bangkok
<b>Microbiological Testing</b>								
<sup>[A]</sup> Fecal Coliform	MPN/100mL	-	-	3300.0	≤4000	No Standard	APHA (2017), 9221 E	Bangkok
<sup>[A]</sup> Total Coliform	MPN/100mL	-	-	28000.0	≤20000	No Standard	APHA (2017), 9221 B	Bangkok

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*N. Banchongkit*

Narumon Banchongkit  
Supervisor

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## Analysis / Test Report

**Client :** Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

**P/O :**

**Project Name :** Chonburi Bowin

**Project Location :**

**TESTING**

**No.0042**

**Lot ID: 2281420**

Date Received : Aug 17, 2022

Date Reported : Aug 25, 2022

Report Number : 2362087-1

Page 2 of 10

<b>Sample Number</b>	2281420-1
<b>Sampled Date</b>	Aug 17, 2022 2:11 PM
<b>Sample Description</b>	Surface Water
<b>Location</b>	SW1 : ห้วยมะนาว ก่อนไหลผ่านพื้นที่โครงการ
<b>Date Analysis Commenced</b>	Aug 17, 2022
<b>Condition of Sample</b>	Contained in two glass vials, one BOD bottle and seven plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
<b>Water Testing</b>								
Ammonia Nitrogen *	mg/L	-	0.06	<0.06	≤0.5	≤0.5	Based on APHA (2017), 4500-NH3 (B), (F)	Bangkok
BOD (5 days at 20 Degree C) *	mg/L	-	2	<2	≤2	≤4	APHA (2017), 5210 B	Rayong
Cyanide as CN	mg/L	0.001	0.005	Not Detected	≤0.005	≤0.005	Based on APHA (2017), 4500-CN(C), (E)	Rayong
Dissolved Oxygen *	mg/L	-	0.1	6.1	≥4	≥2	Based on APHA (2017), 4500-O(C)	Rayong
Flow rate *	m3/s	-	-	0.392	No Standard	No Standard	Flow meter	Rayong
Nitrate as N *	mg/L	0.015	0.05	1.94	≤5	≤5	Based on APHA (2017), 4500-NO3(E)	Rayong
pH at 25 degree C		-	-	7.4	5.0-9.0	5.0-9.0	Based on APHA (2017), 4500-H (B)	Rayong
Phenol *	mg/L	0.0005	0.001	Not Detected	≤0.005	≤0.005	APHA (2017), 5530 D	Rayong
Temperature *	Degree C	-	-	31.1	(c)	(c)	Based on APHA (2017), 2550 B	Rayong

**Guideline :** (1) Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 3)  
(2) Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 4)  
(a) Not Change from natural condition  
(b) Non Objectionable  
(c) Change from Natural condition not more than 3 degree C

**Sampled By :** Tanasit Wongsachai

**Remark :**

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked \* is/are not included in scope of Accreditation ISO/IEC 17025.
- 
- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

**Approved by**

*N. Banchongkit*

Narumon Banchongkit  
Supervisor

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168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

**P/O :**

**Project Name :** Chonburi Bowin

**Project Location :**

**TESTING**

**No.0042**

**Lot ID: 2281420**

Date Received : Aug 17, 2022

Date Reported : Aug 25, 2022

Report Number : 2362087-1

Page 3 of 10

<b>Sample Number</b>	2281420-2
<b>Sampled Date</b>	Aug 17, 2022 2:26 PM
<b>Sample Description</b>	Surface Water
<b>Location</b>	SW2 : ห้วยสาธารณะ ก่อนไหลผ่านพื้นที่โครงการ
<b>Date Analysis Commenced</b>	Aug 17, 2022
<b>Condition of Sample</b>	Contained in two glass vials, one BOD bottle and seven plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
<b>Metals Testing</b>								
<sup>[A]</sup> Aluminium	mg/L	0.003	0.005	0.40	No Standard	No Standard	Based on APHA (2017), 3125	Bangkok
<sup>[A]</sup> Arsenic	mg/L	0.0003	0.0005	0.01	≤0.01	≤0.01	Based on APHA (2017), 3125	Bangkok
<sup>[A]</sup> Cadmium	mg/L	0.0003	0.0005	Not Detected	≤0.005	≤0.005	Based on APHA (2017), 3125	Bangkok
<sup>[A]</sup> Copper	mg/L	0.0003	0.0005	0.05	≤0.10	≤0.10	Based on APHA (2017), 3125	Bangkok
<sup>[A]</sup> Hexavalent Chromium	mg/L	0.003	0.01	Not Detected	≤0.05	≤0.05	Based on APHA (2017), 3500-Cr (B)	Bangkok
<sup>[A]</sup> Iron	mg/L	0.003	0.005	1.25	No Standard	No Standard	Based on APHA (2017), 3125	Bangkok
<sup>[A]</sup> Lead	mg/L	0.0003	0.0005	0.002	≤0.05	≤0.05	Based on APHA (2017), 3125	Bangkok
<sup>[A]</sup> Mercury	mg/L	0.0001	0.0005	Not Detected	≤0.002	≤0.002	Based on US EPA, Method 1631 Revision E	Bangkok
<sup>[A]</sup> Nickel	mg/L	0.0003	0.0005	0.04	≤0.10	≤0.10	Based on APHA (2017), 3125	Bangkok
<sup>[A]</sup> Silver	mg/L	0.0003	0.0005	Not Detected	No Standard	No Standard	Based on APHA (2017), 3125	Bangkok
Trivalent Chromium *	mg/L	-	0.01	<0.01	No Standard	No Standard	Based on APHA (2017), Calculated	Bangkok
<sup>[A]</sup> Zinc	mg/L	0.003	0.005	0.13	≤1	≤1	Based on APHA (2017), 3125	Bangkok
<b>Microbiological Testing</b>								
<sup>[A]</sup> Fecal Coliform	MPN/100mL	-	-	9400.0	≤4000	No Standard	APHA (2017), 9221 E	Bangkok
<sup>[A]</sup> Total Coliform	MPN/100mL	-	-	49000.0	≤20000	No Standard	APHA (2017), 9221 B	Bangkok

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Narumon Banchongkit  
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## Analysis / Test Report

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168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

**P/O :**

**Project Name :** Chonburi Bowin

**Project Location :**

**TESTING**

**No.0042**

**Lot ID: 2281420**

Date Received : Aug 17, 2022

Date Reported : Aug 25, 2022

Report Number : 2362087-1

Page 4 of 10

<b>Sample Number</b>	2281420-2
<b>Sampled Date</b>	Aug 17, 2022 2:26 PM
<b>Sample Description</b>	Surface Water
<b>Location</b>	SW2 : ห้วยสาธารณะ ก่อนไหลผ่านพื้นที่โครงการ
<b>Date Analysis Commenced</b>	Aug 17, 2022
<b>Condition of Sample</b>	Contained in two glass vials, one BOD bottle and seven plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
<b>Water Testing</b>								
Ammonia Nitrogen *	mg/L	-	0.06	1.66	≤0.5	≤0.5	Based on APHA (2017), 4500-NH3 (B), (F)	Bangkok
BOD (5 days at 20 Degree C) *	mg/L	-	2	<2	≤2	≤4	APHA (2017), 5210 B	Rayong
Cyanide as CN	mg/L	0.001	0.005	Not Detected	≤0.005	≤0.005	Based on APHA (2017), 4500-CN(C), (E)	Rayong
Dissolved Oxygen *	mg/L	-	0.1	5.8	≥4	≥2	Based on APHA (2017), 4500-O(C)	Rayong
Flow rate *	m3/s	-	-	0.550	No Standard	No Standard	Flow meter	Rayong
Nitrate as N *	mg/L	0.015	0.05	1.48	≤5	≤5	Based on APHA (2017), 4500-NO3(E)	Rayong
pH at 25 degree C		-	-	7.3	5.0-9.0	5.0-9.0	Based on APHA (2017), 4500-H (B)	Rayong
Phenol *	mg/L	0.0005	0.001	Not Detected	≤0.005	≤0.005	APHA (2017), 5530 D	Rayong
Temperature *	Degree C	-	-	30.2	(c)	(c)	Based on APHA (2017), 2550 B	Rayong

**Guideline :** (1) Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 3)  
(2) Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 4)  
(a) Not Change from natural condition  
(b) Non Objectionable  
(c) Change from Natural condition not more than 3 degree C

**Sampled By :** Tanasit Wongsachai

**Remark :**

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked \* is/are not included in scope of Accreditation ISO/IEC 17025.
- 
- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

**Approved by**

*N. Banchongkit*

Narumon Banchongkit  
Supervisor

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**P/O :**

**Project Name :** Chonburi Bowin

**Project Location :**

**TESTING**

**No.0042**

**Lot ID: 2281420**

Date Received : Aug 17, 2022

Date Reported : Aug 25, 2022

Report Number : 2362087-1

Page 5 of 10

<b>Sample Number</b>	2281420-3
<b>Sampled Date</b>	Aug 17, 2022 2:00 PM
<b>Sample Description</b>	Surface Water
<b>Location</b>	SW3 : ห้วยพันเสด็จ ก่อนไหลผ่านพื้นที่โครงการ
<b>Date Analysis Commenced</b>	Aug 17, 2022
<b>Condition of Sample</b>	Contained in two glass vials, one BOD bottle and seven plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
<b>Metals Testing</b>								
<sup>[A]</sup> Aluminium	mg/L	0.003	0.005	0.40	No Standard	No Standard	Based on APHA (2017), 3125	Bangkok
<sup>[A]</sup> Arsenic	mg/L	0.0003	0.0005	0.005	≤0.01	≤0.01	Based on APHA (2017), 3125	Bangkok
<sup>[A]</sup> Cadmium	mg/L	0.0003	0.0005	Not Detected	≤0.005	≤0.005	Based on APHA (2017), 3125	Bangkok
<sup>[A]</sup> Copper	mg/L	0.0003	0.0005	0.02	≤0.10	≤0.10	Based on APHA (2017), 3125	Bangkok
<sup>[A]</sup> Hexavalent Chromium	mg/L	0.003	0.01	0.01	≤0.05	≤0.05	Based on APHA (2017), 3500-Cr (B)	Bangkok
<sup>[A]</sup> Iron	mg/L	0.003	0.005	1.90	No Standard	No Standard	Based on APHA (2017), 3125	Bangkok
<sup>[A]</sup> Lead	mg/L	0.0003	0.0005	0.001	≤0.05	≤0.05	Based on APHA (2017), 3125	Bangkok
<sup>[A]</sup> Mercury	mg/L	0.0001	0.0005	Not Detected	≤0.002	≤0.002	Based on US EPA, Method 1631 Revision E	Bangkok
<sup>[A]</sup> Nickel	mg/L	0.0003	0.0005	0.06	≤0.10	≤0.10	Based on APHA (2017), 3125	Bangkok
<sup>[A]</sup> Silver	mg/L	0.0003	0.0005	Not Detected	No Standard	No Standard	Based on APHA (2017), 3125	Bangkok
Trivalent Chromium *	mg/L	-	0.01	0.05	No Standard	No Standard	Based on APHA (2017), Calculated	Bangkok
<sup>[A]</sup> Zinc	mg/L	0.003	0.005	0.01	≤1	≤1	Based on APHA (2017), 3125	Bangkok
<b>Microbiological Testing</b>								
<sup>[A]</sup> Fecal Coliform	MPN/100mL	-	-	13000.0	≤4000	No Standard	APHA (2017), 9221 E	Bangkok
<sup>[A]</sup> Total Coliform	MPN/100mL	-	-	24000.0	≤20000	No Standard	APHA (2017), 9221 B	Bangkok

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Approved by

*N. Banchongkit*

Narumon Banchongkit  
Supervisor

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## Analysis / Test Report

**Client :** Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

**P/O :**

**Project Name :** Chonburi Bowin

**Project Location :**

**TESTING**

**No.0042**

**Lot ID: 2281420**

Date Received : Aug 17, 2022

Date Reported : Aug 25, 2022

Report Number : 2362087-1

Page 6 of 10

<b>Sample Number</b>	2281420-3
<b>Sampled Date</b>	Aug 17, 2022 2:00 PM
<b>Sample Description</b>	Surface Water
<b>Location</b>	SW3 : ห้วยพันเสด็จ ก่อนไหลผ่านพื้นที่โครงการ
<b>Date Analysis Commenced</b>	Aug 17, 2022
<b>Condition of Sample</b>	Contained in two glass vials, one BOD bottle and seven plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
<b>Water Testing</b>								
Ammonia Nitrogen *	mg/L	-	0.06	0.12	≤0.5	≤0.5	Based on APHA (2017), 4500-NH3 (B), (F)	Bangkok
BOD (5 days at 20 Degree C) *	mg/L	-	2	<2	≤2	≤4	APHA (2017), 5210 B	Rayong
Cyanide as CN	mg/L	0.001	0.005	Not Detected	≤0.005	≤0.005	Based on APHA (2017), 4500-CN(C), (E)	Rayong
Dissolved Oxygen *	mg/L	-	0.1	6.5	≥4	≥2	Based on APHA (2017), 4500-O(C)	Rayong
Flow rate *	m3/s	-	-	0.571	No Standard	No Standard	Flow meter	Rayong
Nitrate as N *	mg/L	0.015	0.05	2.52	≤5	≤5	Based on APHA (2017), 4500-NO3(E)	Rayong
pH at 25 degree C		-	-	7.2	5.0-9.0	5.0-9.0	Based on APHA (2017), 4500-H (B)	Rayong
Phenol *	mg/L	0.0005	0.001	Not Detected	≤0.005	≤0.005	APHA (2017), 5530 D	Rayong
Temperature *	Degree C	-	-	32.4	(c)	(c)	Based on APHA (2017), 2550 B	Rayong

**Guideline :** (1) Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 3)  
(2) Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 4)  
(a) Not Change from natural condition  
(b) Non Objectionable  
(c) Change from Natural condition not more than 3 degree C

**Sampled By :** Tanasit Wongsachai

**Remark :**

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked \* is/are not included in scope of Accreditation ISO/IEC 17025.
- 
- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

**Approved by**

*N. Banchongkit*

Narumon Banchongkit  
Supervisor

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## Analysis / Test Report

**Client :** Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

**P/O :**

**Project Name :** Chonburi Bowin

**Project Location :**

**TESTING**

**No.0042**

**Lot ID: 2281420**

Date Received : Aug 17, 2022

Date Reported : Aug 25, 2022

Report Number : 2362087-1

Page 7 of 10

<b>Sample Number</b>	2281420-4
<b>Sampled Date</b>	Aug 17, 2022 1:40 PM
<b>Sample Description</b>	Surface Water
<b>Location</b>	SW4 : ห้วยพันเสด็จ บริเวณจุดระบายน้ำทิ้งของโครงการ
<b>Date Analysis Commenced</b>	Aug 17, 2022
<b>Condition of Sample</b>	Contained in two glass vials, one BOD bottle and seven plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
<b>Metals Testing</b>								
<sup>[A]</sup> Aluminium	mg/L	0.003	0.005	0.45	No Standard	No Standard	Based on APHA (2017), 3125	Bangkok
<sup>[A]</sup> Arsenic	mg/L	0.0003	0.0005	0.007	≤0.01	≤0.01	Based on APHA (2017), 3125	Bangkok
<sup>[A]</sup> Cadmium	mg/L	0.0003	0.0005	Not Detected	≤0.005	≤0.005	Based on APHA (2017), 3125	Bangkok
<sup>[A]</sup> Copper	mg/L	0.0003	0.0005	0.02	≤0.10	≤0.10	Based on APHA (2017), 3125	Bangkok
<sup>[A]</sup> Hexavalent Chromium	mg/L	0.003	0.01	<0.01	≤0.05	≤0.05	Based on APHA (2017), 3500-Cr (B)	Bangkok
<sup>[A]</sup> Iron	mg/L	0.003	0.005	1.72	No Standard	No Standard	Based on APHA (2017), 3125	Bangkok
<sup>[A]</sup> Lead	mg/L	0.0003	0.0005	0.002	≤0.05	≤0.05	Based on APHA (2017), 3125	Bangkok
<sup>[A]</sup> Mercury	mg/L	0.0001	0.0005	Not Detected	≤0.002	≤0.002	Based on US EPA, Method 1631 Revision E	Bangkok
<sup>[A]</sup> Nickel	mg/L	0.0003	0.0005	0.03	≤0.10	≤0.10	Based on APHA (2017), 3125	Bangkok
<sup>[A]</sup> Silver	mg/L	0.0003	0.0005	0.002	No Standard	No Standard	Based on APHA (2017), 3125	Bangkok
Trivalent Chromium *	mg/L	-	0.01	0.03	No Standard	No Standard	Based on APHA (2017), Calculated	Bangkok
<sup>[A]</sup> Zinc	mg/L	0.003	0.005	0.02	≤1	≤1	Based on APHA (2017), 3125	Bangkok
<b>Microbiological Testing</b>								
<sup>[A]</sup> Fecal Coliform	MPN/100mL	-	-	4900.0	≤4000	No Standard	APHA (2017), 9221 E	Bangkok
<sup>[A]</sup> Total Coliform	MPN/100mL	-	-	17000.0	≤20000	No Standard	APHA (2017), 9221 B	Bangkok

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*N. Banchongkit*

Narumon Banchongkit  
Supervisor

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## Analysis / Test Report

**Client :** Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

**P/O :**

**Project Name :** Chonburi Bowin

**Project Location :**

**TESTING**

**No.0042**

**Lot ID: 2281420**

Date Received : Aug 17, 2022

Date Reported : Aug 25, 2022

Report Number : 2362087-1

Page 8 of 10

<b>Sample Number</b>	2281420-4
<b>Sampled Date</b>	Aug 17, 2022 1:40 PM
<b>Sample Description</b>	Surface Water
<b>Location</b>	SW4 : ห้วยพันเสด็จ บริเวณจุดระบายน้ำทิ้งของโครงการ
<b>Date Analysis Commenced</b>	Aug 17, 2022
<b>Condition of Sample</b>	Contained in two glass vials, one BOD bottle and seven plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
<b>Water Testing</b>								
Ammonia Nitrogen *	mg/L	-	0.06	0.16	≤0.5	≤0.5	Based on APHA (2017), 4500-NH3 (B), (F)	Bangkok
BOD (5 days at 20 Degree C) *	mg/L	-	2	<2	≤2	≤4	APHA (2017), 5210 B	Rayong
Cyanide as CN	mg/L	0.001	0.005	Not Detected	≤0.005	≤0.005	Based on APHA (2017), 4500-CN(C), (E)	Rayong
Dissolved Oxygen *	mg/L	-	0.1	6.4	≥4	≥2	Based on APHA (2017), 4500-O(C)	Rayong
Flow rate *	m3/s	-	-	0.327	No Standard	No Standard	Flow meter	Rayong
Nitrate as N *	mg/L	0.015	0.05	1.70	≤5	≤5	Based on APHA (2017), 4500-NO3(E)	Rayong
pH at 25 degree C		-	-	7.3	5.0-9.0	5.0-9.0	Based on APHA (2017), 4500-H (B)	Rayong
Phenol *	mg/L	0.0005	0.001	Not Detected	≤0.005	≤0.005	APHA (2017), 5530 D	Rayong
Temperature *	Degree C	-	-	32.8	(c)	(c)	Based on APHA (2017), 2550 B	Rayong

**Guideline :** (1) Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 3)  
(2) Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 4)  
(a) Not Change from natural condition  
(b) Non Objectionable  
(c) Change from Natural condition not more than 3 degree C

**Sampled By :** Tanasit Wongsachai

**Remark :**

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked \* is/are not included in scope of Accreditation ISO/IEC 17025.
- 
- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

**Approved by**

*N. Banchongkit*

Narumon Banchongkit  
Supervisor

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## Analysis / Test Report

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168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 2230

**P/O :**

**Project Name :** Chonburi Bowin

**Project Location :**

**TESTING**

**No.0042**

**Lot ID: 2281420**

Date Received : Aug 17, 2022

Date Reported : Aug 25, 2022

Report Number : 2362087-1

Page 9 of 10

<b>Sample Number</b>	2281420-5
<b>Sampled Date</b>	Aug 17, 2022 2:47 PM
<b>Sample Description</b>	Surface Water
<b>Location</b>	SW5 : ห้วยพันเสด็จ หลังผ่านพื้นที่โครงการ
<b>Date Analysis Commenced</b>	Aug 17, 2022
<b>Condition of Sample</b>	Contained in two glass vials, one BOD bottle and seven plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
<b>Metals Testing</b>								
<sup>[A]</sup> Aluminium	mg/L	0.003	0.005	0.58	No Standard	No Standard	Based on APHA (2017), 3125	Bangkok
<sup>[A]</sup> Arsenic	mg/L	0.0003	0.0005	0.008	≤0.01	≤0.01	Based on APHA (2017), 3125	Bangkok
<sup>[A]</sup> Cadmium	mg/L	0.0003	0.0005	Not Detected	≤0.005	≤0.005	Based on APHA (2017), 3125	Bangkok
<sup>[A]</sup> Copper	mg/L	0.0003	0.0005	0.02	≤0.10	≤0.10	Based on APHA (2017), 3125	Bangkok
<sup>[A]</sup> Hexavalent Chromium	mg/L	0.003	0.01	<0.01	≤0.05	≤0.05	Based on APHA (2017), 3500-Cr (B)	Bangkok
<sup>[A]</sup> Iron	mg/L	0.003	0.005	1.80	No Standard	No Standard	Based on APHA (2017), 3125	Bangkok
<sup>[A]</sup> Lead	mg/L	0.0003	0.0005	0.002	≤0.05	≤0.05	Based on APHA (2017), 3125	Bangkok
<sup>[A]</sup> Mercury	mg/L	0.0001	0.0005	Not Detected	≤0.002	≤0.002	Based on US EPA, Method 1631 Revision E	Bangkok
<sup>[A]</sup> Nickel	mg/L	0.0003	0.0005	0.03	≤0.10	≤0.10	Based on APHA (2017), 3125	Bangkok
<sup>[A]</sup> Silver	mg/L	0.0003	0.0005	0.002	No Standard	No Standard	Based on APHA (2017), 3125	Bangkok
Trivalent Chromium *	mg/L	-	0.01	0.04	No Standard	No Standard	Based on APHA (2017), Calculated	Bangkok
<sup>[A]</sup> Zinc	mg/L	0.003	0.005	0.03	≤1	≤1	Based on APHA (2017), 3125	Bangkok
<b>Microbiological Testing</b>								
<sup>[A]</sup> Fecal Coliform	MPN/100mL	-	-	2400.0	≤4000	No Standard	APHA (2017), 9221 E	Bangkok
<sup>[A]</sup> Total Coliform	MPN/100mL	-	-	33000.0	≤20000	No Standard	APHA (2017), 9221 B	Bangkok

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*N. Banchongkit*

Narumon Banchongkit  
Supervisor

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168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

**P/O :**

**Project Name :** Chonburi Bowin

**Project Location :**

**TESTING**

**No.0042**

**Lot ID: 2281420**

Date Received : Aug 17, 2022

Date Reported : Aug 25, 2022

Report Number : 2362087-1

Page 10 of 10

<b>Sample Number</b>	2281420-5
<b>Sampled Date</b>	Aug 17, 2022 2:47 PM
<b>Sample Description</b>	Surface Water
<b>Location</b>	SW5 : ห้วยพันเสด็จ หลังผ่านพื้นที่โครงการ
<b>Date Analysis Commenced</b>	Aug 17, 2022
<b>Condition of Sample</b>	Contained in two glass vials, one BOD bottle and seven plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
<b>Water Testing</b>								
Ammonia Nitrogen *	mg/L	-	0.06	0.17	≤0.5	≤0.5	Based on APHA (2017), 4500-NH3 (B), (F)	Bangkok
BOD (5 days at 20 Degree C) *	mg/L	-	2	<2	≤2	≤4	APHA (2017), 5210 B	Rayong
Cyanide as CN	mg/L	0.001	0.005	Not Detected	≤0.005	≤0.005	Based on APHA (2017), 4500-CN(C), (E)	Rayong
Dissolved Oxygen *	mg/L	-	0.1	6.2	≥4	≥2	Based on APHA (2017), 4500-O(C)	Rayong
Flow rate *	m3/s	-	-	2.448	No Standard	No Standard	Flow meter	Rayong
Nitrate as N *	mg/L	0.015	0.05	4.98	≤5	≤5	Based on APHA (2017), 4500-NO3(E)	Rayong
pH at 25 degree C		-	-	7.2	5.0-9.0	5.0-9.0	Based on APHA (2017), 4500-H (B)	Rayong
Phenol *	mg/L	0.0005	0.001	Not Detected	≤0.005	≤0.005	APHA (2017), 5530 D	Rayong
Temperature *	Degree C	-	-	32.5	(c)	(c)	Based on APHA (2017), 2550 B	Rayong

**Guideline :** (1) Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 3)  
(2) Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 4)  
(a) Not Change from natural condition  
(b) Non Objectionable  
(c) Change from Natural condition not more than 3 degree C

**Sampled By :** Tanasit Wongsachai

**Remark :**

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked \* is/are not included in scope of Accreditation ISO/IEC 17025.
- 
- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

**Approved by**

*N. Banchongkit*

Narumon Banchongkit  
Supervisor

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168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 2230

**P/O :**

**Project Name :** Chonburi Bowin

**Project Location :**

**TESTING**

**No.0042**

**Lot ID: 22100610**

Date Received : Sep 19, 2022

Date Reported : Sep 27, 2022

Report Number : 2405240-1

Page 1 of 10

<b>Sample Number</b>	22100610-1
<b>Sampled Date</b>	Sep 19, 2022 11:30 AM
<b>Sample Description</b>	Surface Water
<b>Location</b>	SW1 : ห้วยมะนาว ก่อนไหลผ่านพื้นที่โครงการ
<b>Date Analysis Commenced</b>	Sep 19, 2022
<b>Condition of Sample</b>	Contained in BOD bottle, two glass vials and seven plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
<b>Metals Testing</b>								
<sup>[A]</sup> Aluminium	mg/L	0.003	0.005	0.90	No Standard	No Standard	Based on APHA (2017), 3125	Bangkok
<sup>[A]</sup> Arsenic	mg/L	0.0003	0.0005	0.01	≤0.01	≤0.01	Based on APHA (2017), 3125	Bangkok
<sup>[A]</sup> Cadmium	mg/L	0.0003	0.0005	Not Detected	≤0.005	≤0.005	Based on APHA (2017), 3125	Bangkok
<sup>[A]</sup> Copper	mg/L	0.0003	0.0005	0.005	≤0.10	≤0.10	Based on APHA (2017), 3125	Bangkok
<sup>[A]</sup> Hexavalent Chromium	mg/L	0.003	0.01	<0.01	≤0.05	≤0.05	Based on APHA (2017), 3500-Cr (B)	Bangkok
<sup>[A]</sup> Iron	mg/L	0.003	0.005	2.43	No Standard	No Standard	Based on APHA (2017), 3125	Bangkok
<sup>[A]</sup> Lead	mg/L	0.0003	0.0005	0.006	≤0.05	≤0.05	Based on APHA (2017), 3125	Bangkok
<sup>[A]</sup> Mercury	mg/L	0.0001	0.0005	Not Detected	≤0.002	≤0.002	Based on US EPA, Method 1631 Revision E	Bangkok
<sup>[A]</sup> Nickel	mg/L	0.0003	0.0005	0.002	≤0.10	≤0.10	Based on APHA (2017), 3125	Bangkok
<sup>[A]</sup> Silver	mg/L	0.0003	0.0005	Not Detected	No Standard	No Standard	Based on APHA (2017), 3125	Bangkok
Trivalent Chromium *	mg/L	-	0.01	<0.01	No Standard	No Standard	Based on APHA (2017), Calculated	Bangkok
<sup>[A]</sup> Zinc	mg/L	0.003	0.005	0.01	≤1	≤1	Based on APHA (2017), 3125	Bangkok
<b>Microbiological Testing</b>								
<sup>[A]</sup> Fecal Coliform	MPN/100mL	-	-	17000.0	≤4000	No Standard	APHA (2017), 9221 E	Bangkok
<sup>[A]</sup> Total Coliform	MPN/100mL	-	-	33000.0	≤20000	No Standard	APHA (2017), 9221 B	Bangkok

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*N. Banchongkit*

Narumon Banchongkit  
Supervisor

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## Analysis / Test Report

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168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

**P/O :**

**Project Name :** Chonburi Bowin

**Project Location :**

**TESTING**

**No.0042**

**Lot ID: 22100610**

Date Received : Sep 19, 2022

Date Reported : Sep 27, 2022

Report Number : 2405240-1

Page 2 of 10

<b>Sample Number</b>	22100610-1							
<b>Sampled Date</b>	Sep 19, 2022 11:30 AM							
<b>Sample Description</b>	Surface Water							
<b>Location</b>	SW1 : ห้วยมะนาว ก่อนไหลผ่านพื้นที่โครงการ							
<b>Date Analysis Commenced</b>	Sep 19, 2022							
<b>Condition of Sample</b>	Contained in BOD bottle, two glass vials and seven plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)							
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
<b>Water Testing</b>								
Ammonia Nitrogen *	mg/L	-	0.06	<0.06	≤0.5	≤0.5	Based on APHA (2017), 4500-NH3 (B), (F)	Bangkok
BOD (5 days at 20 Degree C) *	mg/L	-	2	<2	≤2	≤4	APHA (2017), 5210 B	Rayong
Cyanide as CN	mg/L	0.001	0.005	Not Detected	≤0.005	≤0.005	Based on APHA (2017), 4500-CN(C), (E)	Rayong
Dissolved Oxygen *	mg/L	-	0.1	6.6	≥4	≥2	Based on APHA (2017), 4500-O(C)	Rayong
Flow rate *	m3/s	-	-	0.392	No Standard	No Standard	Flow meter	Rayong
Nitrate as N *	mg/L	0.015	0.05	0.88	≤5	≤5	Based on APHA (2017), 4500-NO3(E)	Rayong
pH at 25 degree C		-	-	7.6	5.0-9.0	5.0-9.0	Based on APHA (2017), 4500-H (B)	Rayong
Phenol *	mg/L	0.0005	0.001	Not Detected	≤0.005	≤0.005	APHA (2017), 5530 D	Rayong
Temperature *	Degree C	-	-	29.7	(c)	(c)	Based on APHA (2017), 2550 B	Rayong

**Guideline :** (1) Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 3)  
(2) Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 4)  
(a) Not Change from natural condition  
(b) Non Objectionable  
(c) Change from Natural condition not more than 3 degree C

**Sampled By :** Tanasit Wongsachai , Panupong Manit

**Remark :**

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked \* is/are not included in scope of Accreditation ISO/IEC 17025.
- 
- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

**Approved by**

*N. Banchongkit*

Narumon Banchongkit  
Supervisor

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## Analysis / Test Report

**Client :** Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 2230

**P/O :**

**Project Name :** Chonburi Bowin

**Project Location :**

**TESTING**

**No.0042**

**Lot ID: 22100610**

Date Received : Sep 19, 2022

Date Reported : Sep 27, 2022

Report Number : 2405240-1

Page 3 of 10

<b>Sample Number</b>	22100610-2
<b>Sampled Date</b>	Sep 19, 2022 11:50 AM
<b>Sample Description</b>	Surface Water
<b>Location</b>	SW2 : ห้วยสาธารณะ ก่อนไหลผ่านพื้นที่โครงการ
<b>Date Analysis Commenced</b>	Sep 19, 2022
<b>Condition of Sample</b>	Contained in BOD bottle, two glass vials and seven plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
<b>Metals Testing</b>								
<sup>[A]</sup> Aluminium	mg/L	0.003	0.005	0.30	No Standard	No Standard	Based on APHA (2017), 3125	Bangkok
<sup>[A]</sup> Arsenic	mg/L	0.0003	0.0005	0.01	≤0.01	≤0.01	Based on APHA (2017), 3125	Bangkok
<sup>[A]</sup> Cadmium	mg/L	0.0003	0.0005	Not Detected	≤0.005	≤0.005	Based on APHA (2017), 3125	Bangkok
<sup>[A]</sup> Copper	mg/L	0.0003	0.0005	0.03	≤0.10	≤0.10	Based on APHA (2017), 3125	Bangkok
<sup>[A]</sup> Hexavalent Chromium	mg/L	0.003	0.01	Not Detected	≤0.05	≤0.05	Based on APHA (2017), 3500-Cr (B)	Bangkok
<sup>[A]</sup> Iron	mg/L	0.003	0.005	1.15	No Standard	No Standard	Based on APHA (2017), 3125	Bangkok
<sup>[A]</sup> Lead	mg/L	0.0003	0.0005	0.002	≤0.05	≤0.05	Based on APHA (2017), 3125	Bangkok
<sup>[A]</sup> Mercury	mg/L	0.0001	0.0005	Not Detected	≤0.002	≤0.002	Based on US EPA, Method 1631 Revision E	Bangkok
<sup>[A]</sup> Nickel	mg/L	0.0003	0.0005	0.007	≤0.10	≤0.10	Based on APHA (2017), 3125	Bangkok
<sup>[A]</sup> Silver	mg/L	0.0003	0.0005	Not Detected	No Standard	No Standard	Based on APHA (2017), 3125	Bangkok
Trivalent Chromium *	mg/L	-	0.01	<0.01	No Standard	No Standard	Based on APHA (2017), Calculated	Bangkok
<sup>[A]</sup> Zinc	mg/L	0.003	0.005	0.12	≤1	≤1	Based on APHA (2017), 3125	Bangkok
<b>Microbiological Testing</b>								
<sup>[A]</sup> Fecal Coliform	MPN/100mL	-	-	110000.0	≤4000	No Standard	APHA (2017), 9221 E	Bangkok
<sup>[A]</sup> Total Coliform	MPN/100mL	-	-	330000.0	≤20000	No Standard	APHA (2017), 9221 B	Bangkok

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Approved by

*N. Banchongkit*

Narumon Banchongkit  
Supervisor

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## Analysis / Test Report

**Client :** Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

**P/O :**

**Project Name :** Chonburi Bowin

**Project Location :**

**TESTING**

**No.0042**

**Lot ID: 22100610**

Date Received : Sep 19, 2022

Date Reported : Sep 27, 2022

Report Number : 2405240-1

Page 4 of 10

<b>Sample Number</b>	22100610-2							
<b>Sampled Date</b>	Sep 19, 2022 11:50 AM							
<b>Sample Description</b>	Surface Water							
<b>Location</b>	SW2 : ห้วยสาธารณะ ก่อนไหลผ่านพื้นที่โครงการ							
<b>Date Analysis Commenced</b>	Sep 19, 2022							
<b>Condition of Sample</b>	Contained in BOD bottle, two glass vials and seven plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)							
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
<b>Water Testing</b>								
Ammonia Nitrogen *	mg/L	-	0.06	1.09	≤0.5	≤0.5	Based on APHA (2017), 4500-NH3 (B), (F)	Bangkok
BOD (5 days at 20 Degree C) *	mg/L	-	2	<2	≤2	≤4	APHA (2017), 5210 B	Rayong
Cyanide as CN	mg/L	0.001	0.005	Not Detected	≤0.005	≤0.005	Based on APHA (2017), 4500-CN(C), (E)	Rayong
Dissolved Oxygen *	mg/L	-	0.1	6.8	≥4	≥2	Based on APHA (2017), 4500-O(C)	Rayong
Flow rate *	m3/s	-	-	0.550	No Standard	No Standard	Flow meter	Rayong
Nitrate as N *	mg/L	0.015	0.05	1.00	≤5	≤5	Based on APHA (2017), 4500-NO3(E)	Rayong
pH at 25 degree C		-	-	7.7	5.0-9.0	5.0-9.0	Based on APHA (2017), 4500-H (B)	Rayong
Phenol *	mg/L	0.0005	0.001	Not Detected	≤0.005	≤0.005	APHA (2017), 5530 D	Rayong
Temperature *	Degree C	-	-	29.5	(c)	(c)	Based on APHA (2017), 2550 B	Rayong

**Guideline :** (1) Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 3)  
(2) Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 4)  
(a) Not Change from natural condition  
(b) Non Objectionable  
(c) Change from Natural condition not more than 3 degree C

**Sampled By :** Tanasit Wongsachai , Panupong Manit

**Remark :**

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked \* is/are not included in scope of Accreditation ISO/IEC 17025.
- 
- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

**Approved by**

*N. Banchongkit*

Narumon Banchongkit  
Supervisor

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## Analysis / Test Report

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168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 2230

**P/O :**

**Project Name :** Chonburi Bowin

**Project Location :**

**TESTING**

**No.0042**

**Lot ID: 22100610**

Date Received : Sep 19, 2022

Date Reported : Sep 27, 2022

Report Number : 2405240-1

Page 5 of 10

<b>Sample Number</b>	22100610-3
<b>Sampled Date</b>	Sep 19, 2022 11:05 AM
<b>Sample Description</b>	Surface Water
<b>Location</b>	SW3 : ห้วยพันเสด็จ ก่อนไหลผ่านพื้นที่โครงการ
<b>Date Analysis Commenced</b>	Sep 19, 2022
<b>Condition of Sample</b>	Contained in BOD bottle, two glass vials and seven plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
<b>Metals Testing</b>								
<sup>[A]</sup> Aluminium	mg/L	0.003	0.005	0.59	No Standard	No Standard	Based on APHA (2017), 3125	Bangkok
<sup>[A]</sup> Arsenic	mg/L	0.0003	0.0005	0.007	≤0.01	≤0.01	Based on APHA (2017), 3125	Bangkok
<sup>[A]</sup> Cadmium	mg/L	0.0003	0.0005	Not Detected	≤0.005	≤0.005	Based on APHA (2017), 3125	Bangkok
<sup>[A]</sup> Copper	mg/L	0.0003	0.0005	0.02	≤0.10	≤0.10	Based on APHA (2017), 3125	Bangkok
<sup>[A]</sup> Hexavalent Chromium	mg/L	0.003	0.01	0.02	≤0.05	≤0.05	Based on APHA (2017), 3500-Cr (B)	Bangkok
<sup>[A]</sup> Iron	mg/L	0.003	0.005	2.43	No Standard	No Standard	Based on APHA (2017), 3125	Bangkok
<sup>[A]</sup> Lead	mg/L	0.0003	0.0005	0.002	≤0.05	≤0.05	Based on APHA (2017), 3125	Bangkok
<sup>[A]</sup> Mercury	mg/L	0.0001	0.0005	Not Detected	≤0.002	≤0.002	Based on US EPA, Method 1631 Revision E	Bangkok
<sup>[A]</sup> Nickel	mg/L	0.0003	0.0005	0.05	≤0.10	≤0.10	Based on APHA (2017), 3125	Bangkok
<sup>[A]</sup> Silver	mg/L	0.0003	0.0005	Not Detected	No Standard	No Standard	Based on APHA (2017), 3125	Bangkok
Trivalent Chromium *	mg/L	-	0.01	0.03	No Standard	No Standard	Based on APHA (2017), Calculated	Bangkok
<sup>[A]</sup> Zinc	mg/L	0.003	0.005	0.02	≤1	≤1	Based on APHA (2017), 3125	Bangkok
<b>Microbiological Testing</b>								
<sup>[A]</sup> Fecal Coliform	MPN/100mL	-	-	13000.0	≤4000	No Standard	APHA (2017), 9221 E	Bangkok
<sup>[A]</sup> Total Coliform	MPN/100mL	-	-	79000.0	≤20000	No Standard	APHA (2017), 9221 B	Bangkok

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*N. Banchongkit*

Narumon Banchongkit  
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168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

**P/O :**

**Project Name :** Chonburi Bowin

**Project Location :**

**TESTING**

**No.0042**

**Lot ID: 22100610**

Date Received : Sep 19, 2022

Date Reported : Sep 27, 2022

Report Number : 2405240-1

Page 6 of 10

<b>Sample Number</b>	22100610-3							
<b>Sampled Date</b>	Sep 19, 2022 11:05 AM							
<b>Sample Description</b>	Surface Water							
<b>Location</b>	SW3 : ห้วยพันเสด็จ ก่อนไหลผ่านพื้นที่โครงการ							
<b>Date Analysis Commenced</b>	Sep 19, 2022							
<b>Condition of Sample</b>	Contained in BOD bottle, two glass vials and seven plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)							
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
<b>Water Testing</b>								
Ammonia Nitrogen *	mg/L	-	0.06	0.06	≤0.5	≤0.5	Based on APHA (2017), 4500-NH3 (B), (F)	Bangkok
BOD (5 days at 20 Degree C) *	mg/L	-	2	<2	≤2	≤4	APHA (2017), 5210 B	Rayong
Cyanide as CN	mg/L	0.001	0.005	Not Detected	≤0.005	≤0.005	Based on APHA (2017), 4500-CN(C), (E)	Rayong
Dissolved Oxygen *	mg/L	-	0.1	7.2	≥4	≥2	Based on APHA (2017), 4500-O(C)	Rayong
Flow rate *	m3/s	-	-	0.571	No Standard	No Standard	Flow meter	Rayong
Nitrate as N *	mg/L	0.015	0.05	0.61	≤5	≤5	Based on APHA (2017), 4500-NO3(E)	Rayong
pH at 25 degree C		-	-	7.4	5.0-9.0	5.0-9.0	Based on APHA (2017), 4500-H (B)	Rayong
Phenol *	mg/L	0.0005	0.001	Not Detected	≤0.005	≤0.005	APHA (2017), 5530 D	Rayong
Temperature *	Degree C	-	-	28.5	(c)	(c)	Based on APHA (2017), 2550 B	Rayong

**Guideline :** (1) Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 3)  
(2) Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 4)  
(a) Not Change from natural condition  
(b) Non Objectionable  
(c) Change from Natural condition not more than 3 degree C

**Sampled By :** Tanasit Wongsachai , Panupong Manit

**Remark :**

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked \* is/are not included in scope of Accreditation ISO/IEC 17025.
- 
- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

**Approved by**

*N. Banchongkit*

Narumon Banchongkit  
Supervisor

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## Analysis / Test Report

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168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 2230

**P/O :**

**Project Name :** Chonburi Bowin

**Project Location :**

**TESTING**

**No.0042**

**Lot ID: 22100610**

Date Received : Sep 19, 2022

Date Reported : Sep 27, 2022

Report Number : 2405240-1

Page 7 of 10

<b>Sample Number</b>	22100610-4
<b>Sampled Date</b>	Sep 19, 2022 10:08 AM
<b>Sample Description</b>	Surface Water
<b>Location</b>	SW4 : ห้วยพันเสด็จ บริเวณจุดระบายน้ำทิ้งของโครงการ
<b>Date Analysis Commenced</b>	Sep 19, 2022
<b>Condition of Sample</b>	Contained in BOD bottle, two glass vials and seven plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
<b>Metals Testing</b>								
<sup>[A]</sup> Aluminium	mg/L	0.003	0.005	0.98	No Standard	No Standard	Based on APHA (2017), 3125	Bangkok
<sup>[A]</sup> Arsenic	mg/L	0.0003	0.0005	0.01	≤0.01	≤0.01	Based on APHA (2017), 3125	Bangkok
<sup>[A]</sup> Cadmium	mg/L	0.0003	0.0005	Not Detected	≤0.005	≤0.005	Based on APHA (2017), 3125	Bangkok
<sup>[A]</sup> Copper	mg/L	0.0003	0.0005	0.02	≤0.10	≤0.10	Based on APHA (2017), 3125	Bangkok
<sup>[A]</sup> Hexavalent Chromium	mg/L	0.003	0.01	0.01	≤0.05	≤0.05	Based on APHA (2017), 3500-Cr (B)	Bangkok
<sup>[A]</sup> Iron	mg/L	0.003	0.005	2.83	No Standard	No Standard	Based on APHA (2017), 3125	Bangkok
<sup>[A]</sup> Lead	mg/L	0.0003	0.0005	0.005	≤0.05	≤0.05	Based on APHA (2017), 3125	Bangkok
<sup>[A]</sup> Mercury	mg/L	0.0001	0.0005	Not Detected	≤0.002	≤0.002	Based on US EPA, Method 1631 Revision E	Bangkok
<sup>[A]</sup> Nickel	mg/L	0.0003	0.0005	0.03	≤0.10	≤0.10	Based on APHA (2017), 3125	Bangkok
<sup>[A]</sup> Silver	mg/L	0.0003	0.0005	Not Detected	No Standard	No Standard	Based on APHA (2017), 3125	Bangkok
Trivalent Chromium *	mg/L	-	0.01	0.03	No Standard	No Standard	Based on APHA (2017), Calculated	Bangkok
<sup>[A]</sup> Zinc	mg/L	0.003	0.005	0.02	≤1	≤1	Based on APHA (2017), 3125	Bangkok
<b>Microbiological Testing</b>								
<sup>[A]</sup> Fecal Coliform	MPN/100mL	-	-	7000.0	≤4000	No Standard	APHA (2017), 9221 E	Bangkok
<sup>[A]</sup> Total Coliform	MPN/100mL	-	-	49000.0	≤20000	No Standard	APHA (2017), 9221 B	Bangkok

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## Analysis / Test Report

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168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

**P/O :**

**Project Name :** Chonburi Bowin

**Project Location :**

**TESTING**

**No.0042**

**Lot ID: 22100610**

Date Received : Sep 19, 2022

Date Reported : Sep 27, 2022

Report Number : 2405240-1

Page 8 of 10

<b>Sample Number</b>	22100610-4							
<b>Sampled Date</b>	Sep 19, 2022 10:08 AM							
<b>Sample Description</b>	Surface Water							
<b>Location</b>	SW4 : ห้วยพันเสด็จ บริเวณจุดระบายน้ำทิ้งของโครงการ							
<b>Date Analysis Commenced</b>	Sep 19, 2022							
<b>Condition of Sample</b>	Contained in BOD bottle, two glass vials and seven plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)							
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
<b>Water Testing</b>								
Ammonia Nitrogen *	mg/L	-	0.06	<0.06	≤0.5	≤0.5	Based on APHA (2017), 4500-NH3 (B), (F)	Bangkok
BOD (5 days at 20 Degree C) *	mg/L	-	2	<2	≤2	≤4	APHA (2017), 5210 B	Rayong
Cyanide as CN	mg/L	0.001	0.005	Not Detected	≤0.005	≤0.005	Based on APHA (2017), 4500-CN(C), (E)	Rayong
Dissolved Oxygen *	mg/L	-	0.1	7.2	≥4	≥2	Based on APHA (2017), 4500-O(C)	Rayong
Flow rate *	m3/s	-	-	0.327	No Standard	No Standard	Flow meter	Rayong
Nitrate as N *	mg/L	0.015	0.05	0.65	≤5	≤5	Based on APHA (2017), 4500-NO3(E)	Rayong
pH at 25 degree C		-	-	7.5	5.0-9.0	5.0-9.0	Based on APHA (2017), 4500-H (B)	Rayong
Phenol *	mg/L	0.0005	0.001	Not Detected	≤0.005	≤0.005	APHA (2017), 5530 D	Rayong
Temperature *	Degree C	-	-	28.8	(c)	(c)	Based on APHA (2017), 2550 B	Rayong

**Guideline :** (1) Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 3)  
(2) Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 4)  
(a) Not Change from natural condition  
(b) Non Objectionable  
(c) Change from Natural condition not more than 3 degree C

**Sampled By :** Tanasit Wongsachai , Panupong Manit

**Remark :**

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked \* is/are not included in scope of Accreditation ISO/IEC 17025.
- 
- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

**Approved by**

*N. Banchongkit*

Narumon Banchongkit  
Supervisor

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## Analysis / Test Report

**Client :** Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 2230

**P/O :**

**Project Name :** Chonburi Bowin

**Project Location :**

**TESTING**

**No.0042**

**Lot ID: 22100610**

Date Received : Sep 19, 2022

Date Reported : Sep 27, 2022

Report Number : 2405240-1

Page 9 of 10

<b>Sample Number</b>	22100610-5							
<b>Sampled Date</b>	Sep 19, 2022 12:15 PM							
<b>Sample Description</b>	Surface Water							
<b>Location</b>	SW5 : ห้วยพันเสด็จ หลังผ่านพื้นที่โครงการ							
<b>Date Analysis Commenced</b>	Sep 19, 2022							
<b>Condition of Sample</b>	Contained in BOD bottle, two glass vials and seven plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)							
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
<b>Metals Testing</b>								
<sup>[A]</sup> Aluminium	mg/L	0.003	0.005	0.80	No Standard	No Standard	Based on APHA (2017), 3125	Bangkok
<sup>[A]</sup> Arsenic	mg/L	0.0003	0.0005	0.010	≤0.01	≤0.01	Based on APHA (2017), 3125	Bangkok
<sup>[A]</sup> Cadmium	mg/L	0.0003	0.0005	Not Detected	≤0.005	≤0.005	Based on APHA (2017), 3125	Bangkok
<sup>[A]</sup> Copper	mg/L	0.0003	0.0005	0.02	≤0.10	≤0.10	Based on APHA (2017), 3125	Bangkok
<sup>[A]</sup> Hexavalent Chromium	mg/L	0.003	0.01	0.01	≤0.05	≤0.05	Based on APHA (2017), 3500-Cr (B)	Bangkok
<sup>[A]</sup> Iron	mg/L	0.003	0.005	2.49	No Standard	No Standard	Based on APHA (2017), 3125	Bangkok
<sup>[A]</sup> Lead	mg/L	0.0003	0.0005	0.004	≤0.05	≤0.05	Based on APHA (2017), 3125	Bangkok
<sup>[A]</sup> Mercury	mg/L	0.0001	0.0005	Not Detected	≤0.002	≤0.002	Based on US EPA, Method 1631 Revision E	Bangkok
<sup>[A]</sup> Nickel	mg/L	0.0003	0.0005	0.03	≤0.10	≤0.10	Based on APHA (2017), 3125	Bangkok
<sup>[A]</sup> Silver	mg/L	0.0003	0.0005	Not Detected	No Standard	No Standard	Based on APHA (2017), 3125	Bangkok
Trivalent Chromium *	mg/L	-	0.01	0.02	No Standard	No Standard	Based on APHA (2017), Calculated	Bangkok
<sup>[A]</sup> Zinc	mg/L	0.003	0.005	0.03	≤1	≤1	Based on APHA (2017), 3125	Bangkok
<b>Microbiological Testing</b>								
<sup>[A]</sup> Fecal Coliform	MPN/100mL	-	-	33000.0	≤4000	No Standard	APHA (2017), 9221 E	Bangkok
<sup>[A]</sup> Total Coliform	MPN/100mL	-	-	49000.0	≤20000	No Standard	APHA (2017), 9221 B	Bangkok

Approved by

*N. Banchongkit*

Narumon Banchongkit  
Supervisor

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## Analysis / Test Report

**Client :** Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

**P/O :**

**Project Name :** Chonburi Bowin

**Project Location :**

**TESTING**

**No.0042**

**Lot ID: 22100610**

Date Received : Sep 19, 2022

Date Reported : Sep 27, 2022

Report Number : 2405240-1

Page 10 of 10

<b>Sample Number</b>	22100610-5							
<b>Sampled Date</b>	Sep 19, 2022 12:15 PM							
<b>Sample Description</b>	Surface Water							
<b>Location</b>	SW5 : ห้วยพันเสด็จ หลังผ่านพื้นที่โครงการ							
<b>Date Analysis Commenced</b>	Sep 19, 2022							
<b>Condition of Sample</b>	Contained in BOD bottle, two glass vials and seven plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)							
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
<b>Water Testing</b>								
Ammonia Nitrogen *	mg/L	-	0.06	0.12	≤0.5	≤0.5	Based on APHA (2017), 4500-NH3 (B), (F)	Bangkok
BOD (5 days at 20 Degree C) *	mg/L	-	2	<2	≤2	≤4	APHA (2017), 5210 B	Rayong
Cyanide as CN	mg/L	0.001	0.005	Not Detected	≤0.005	≤0.005	Based on APHA (2017), 4500-CN(C), (E)	Rayong
Dissolved Oxygen *	mg/L	-	0.1	6.9	≥4	≥2	Based on APHA (2017), 4500-O(C)	Rayong
Flow rate *	m3/s	-	-	2.448	No Standard	No Standard	Flow meter	Rayong
Nitrate as N *	mg/L	0.015	0.05	1.95	≤5	≤5	Based on APHA (2017), 4500-NO3(E)	Rayong
pH at 25 degree C		-	-	7.6	5.0-9.0	5.0-9.0	Based on APHA (2017), 4500-H (B)	Rayong
Phenol *	mg/L	0.0005	0.001	Not Detected	≤0.005	≤0.005	APHA (2017), 5530 D	Rayong
Temperature *	Degree C	-	-	28.7	(c)	(c)	Based on APHA (2017), 2550 B	Rayong

**Guideline :** (1) Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 3)  
(2) Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 4)  
(a) Not Change from natural condition  
(b) Non Objectionable  
(c) Change from Natural condition not more than 3 degree C

**Sampled By :** Tanasit Wongsachai , Panupong Manit

**Remark :**

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked \* is/are not included in scope of Accreditation ISO/IEC 17025.
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**Approved by**

*N. Banchongkit*

Narumon Banchongkit  
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## Analysis / Test Report

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168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230  
**P/O :** RJN-BW-012/65  
**Project Name :** Chonburi Bowin  
**Project Location :**

**TESTING**  
**No.0042**  
**Lot ID: 22109465**  
Date Received : Oct 28, 2022  
Date Reported : Nov 04, 2022  
Report Number : 2423650-1

Page 1 of 10

**Sample Number** 22109465-1  
**Sampled Date** Oct 28, 2022 8:58 AM  
**Sample Description** Surface Water  
**Location** SW1 : ห้วยมะนาว ก่อนไหลผ่านพื้นที่โครงการ  
**Date Analysis Commenced** Oct 28, 2022  
**Condition of Sample** Contained in two glass vials, one BOD bottle and seven plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
<b>Metals Testing</b>								
<sup>[A]</sup> Aluminium	mg/L	0.003	0.005	0.39	No Standard	No Standard	Based on APHA (2017), 3125	Bangkok
<sup>[A]</sup> Arsenic	mg/L	0.0003	0.0005	0.01	≤0.01	≤0.01	Based on APHA (2017), 3125	Bangkok
<sup>[A]</sup> Cadmium	mg/L	0.0003	0.0005	Not Detected	≤0.005	≤0.005	Based on APHA (2017), 3125	Bangkok
<sup>[A]</sup> Copper	mg/L	0.0003	0.0005	0.004	≤0.10	≤0.10	Based on APHA (2017), 3125	Bangkok
<sup>[A]</sup> Hexavalent Chromium	mg/L	0.003	0.01	Not Detected	≤0.05	≤0.05	Based on APHA (2017), 3500-Cr (B)	Bangkok
<sup>[A]</sup> Iron	mg/L	0.003	0.005	1.68	No Standard	No Standard	Based on APHA (2017), 3125	Bangkok
<sup>[A]</sup> Lead	mg/L	0.0003	0.0005	0.003	≤0.05	≤0.05	Based on APHA (2017), 3125	Bangkok
<sup>[A]</sup> Mercury	mg/L	0.0001	0.0005	Not Detected	≤0.002	≤0.002	Based on US EPA, Method 1631 Revision E	Bangkok
<sup>[A]</sup> Nickel	mg/L	0.0003	0.0005	0.003	≤0.10	≤0.10	Based on APHA (2017), 3125	Bangkok
<sup>[A]</sup> Silver	mg/L	0.0003	0.0005	Not Detected	No Standard	No Standard	Based on APHA (2017), 3125	Bangkok
Trivalent Chromium *	mg/L	-	0.01	<0.01	No Standard	No Standard	Based on APHA (2017), Calculated	Bangkok
<sup>[A]</sup> Zinc	mg/L	0.003	0.005	0.01	≤1	≤1	Based on APHA (2017), 3125	Bangkok
<b>Microbiological Testing</b>								
<sup>[A]</sup> Fecal Coliform	MPN/100mL	-	-	7900.0	≤4000	No Standard	APHA (2017), 9221 E	Bangkok
<sup>[A]</sup> Total Coliform	MPN/100mL	-	-	13000.0	≤20000	No Standard	APHA (2017), 9221 B	Bangkok

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Approved by

Dej Changchon  
Senior Manager

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## Analysis / Test Report

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168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230  
**P/O :** RJN-BW-012/65  
**Project Name :** Chonburi Bowin  
**Project Location :**

**TESTING**  
**No.0042**  
**Lot ID: 22109465**  
Date Received : Oct 28, 2022  
Date Reported : Nov 04, 2022  
Report Number : 2423650-1

Page 2 of 10

<b>Sample Number</b>	22109465-1
<b>Sampled Date</b>	Oct 28, 2022 8:58 AM
<b>Sample Description</b>	Surface Water
<b>Location</b>	SW1 : ห้วยมะนาว ก่อนไหลผ่านพื้นที่โครงการ
<b>Date Analysis Commenced</b>	Oct 28, 2022
<b>Condition of Sample</b>	Contained in two glass vials, one BOD bottle and seven plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
<b>Water Testing</b>								
Ammonia Nitrogen *	mg/L	-	0.06	0.11	≤0.5	≤0.5	Based on APHA (2017), 4500-NH3 (B), (F)	Bangkok
BOD (5 days at 20 Degree C) *	mg/L	-	2	<2	≤2	≤4	APHA (2017), 5210 B	Rayong
Cyanide as CN	mg/L	0.001	0.005	Not Detected	≤0.005	≤0.005	Based on APHA (2017), 4500-CN(C), (E)	Rayong
Dissolved Oxygen *	mg/L	-	0.1	7.1	≥4	≥2	Based on APHA (2017), 4500-O(C)	Rayong
Flow rate *	m3/s	-	-	0.726	No Standard	No Standard	Flow meter	Rayong
Nitrate as N *	mg/L	0.015	0.05	2.91	≤5	≤5	Based on APHA (2017), 4500-NO3(E)	Rayong
pH at 25 degree C	-	-	-	7.7	5.0-9.0	5.0-9.0	Based on APHA (2017), 4500-H (B)	Rayong
Phenol *	mg/L	0.0005	0.001	Not Detected	≤0.005	≤0.005	APHA (2017), 5530 D	Rayong
Temperature *	Degree C	-	-	28.6	(c)	(c)	Based on APHA (2017), 2550 B	Rayong

**Guideline :** (1) Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 3)  
(2) Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 4)  
(a) Not Change from natural condition  
(b) Non Objectionable  
(c) Change from Natural condition not more than 3 degree C

**Sampled By :** Pitthaya Thongtaeng

**Remark :**

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked \* is/are not included in scope of Accreditation ISO/IEC 17025.
- 
- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Approved by

*D. Chumman*

Dej Changchon  
Senior Manager

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## Analysis / Test Report

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**P/O :** RJN-BW-012/65  
**Project Name :** Chonburi Bowin  
**Project Location :**

**TESTING**  
**No.0042**  
**Lot ID: 22109465**  
Date Received : Oct 28, 2022  
Date Reported : Nov 04, 2022  
Report Number : 2423650-1

Page 3 of 10

**Sample Number** 22109465-2  
**Sampled Date** Oct 28, 2022 9:10 AM  
**Sample Description** Surface Water  
**Location** SW2 : ห้วยสาธารณะ ก่อนไหลผ่านพื้นที่โครงการ  
**Date Analysis Commenced** Oct 28, 2022  
**Condition of Sample** Contained in two glass vials, one BOD bottle and seven plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
<b>Metals Testing</b>								
<sup>[A]</sup> Aluminium	mg/L	0.003	0.005	0.32	No Standard	No Standard	Based on APHA (2017), 3125	Bangkok
<sup>[A]</sup> Arsenic	mg/L	0.0003	0.0005	0.010	≤0.01	≤0.01	Based on APHA (2017), 3125	Bangkok
<sup>[A]</sup> Cadmium	mg/L	0.0003	0.0005	Not Detected	≤0.005	≤0.005	Based on APHA (2017), 3125	Bangkok
<sup>[A]</sup> Copper	mg/L	0.0003	0.0005	0.08	≤0.10	≤0.10	Based on APHA (2017), 3125	Bangkok
<sup>[A]</sup> Hexavalent Chromium	mg/L	0.003	0.01	Not Detected	≤0.05	≤0.05	Based on APHA (2017), 3500-Cr (B)	Bangkok
<sup>[A]</sup> Iron	mg/L	0.003	0.005	1.56	No Standard	No Standard	Based on APHA (2017), 3125	Bangkok
<sup>[A]</sup> Lead	mg/L	0.0003	0.0005	0.002	≤0.05	≤0.05	Based on APHA (2017), 3125	Bangkok
<sup>[A]</sup> Mercury	mg/L	0.0001	0.0005	Not Detected	≤0.002	≤0.002	Based on US EPA, Method 1631 Revision E	Bangkok
<sup>[A]</sup> Nickel	mg/L	0.0003	0.0005	0.02	≤0.10	≤0.10	Based on APHA (2017), 3125	Bangkok
<sup>[A]</sup> Silver	mg/L	0.0003	0.0005	Not Detected	No Standard	No Standard	Based on APHA (2017), 3125	Bangkok
Trivalent Chromium *	mg/L	-	0.01	<0.01	No Standard	No Standard	Based on APHA (2017), Calculated	Bangkok
<sup>[A]</sup> Zinc	mg/L	0.003	0.005	0.15	≤1	≤1	Based on APHA (2017), 3125	Bangkok
<b>Microbiological Testing</b>								
<sup>[A]</sup> Fecal Coliform	MPN/100mL	-	-	24000.0	≤4000	No Standard	APHA (2017), 9221 E	Bangkok
<sup>[A]</sup> Total Coliform	MPN/100mL	-	-	33000.0	≤20000	No Standard	APHA (2017), 9221 B	Bangkok

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Dej Changchon  
Senior Manager

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## Analysis / Test Report

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168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230  
**P/O :** RJN-BW-012/65  
**Project Name :** Chonburi Bowin  
**Project Location :**

**TESTING**  
**No.0042**  
**Lot ID: 22109465**  
Date Received : Oct 28, 2022  
Date Reported : Nov 04, 2022  
Report Number : 2423650-1

Page 4 of 10

<b>Sample Number</b>	22109465-2
<b>Sampled Date</b>	Oct 28, 2022 9:10 AM
<b>Sample Description</b>	Surface Water
<b>Location</b>	SW2 : ห้วยสาธารณะ ก่อนไหลผ่านพื้นที่โครงการ
<b>Date Analysis Commenced</b>	Oct 28, 2022
<b>Condition of Sample</b>	Contained in two glass vials, one BOD bottle and seven plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
<b>Water Testing</b>								
Ammonia Nitrogen *	mg/L	-	0.06	1.54	≤0.5	≤0.5	Based on APHA (2017), 4500-NH3 (B), (F)	Bangkok
BOD (5 days at 20 Degree C) *	mg/L	-	2	<2	≤2	≤4	APHA (2017), 5210 B	Rayong
Cyanide as CN	mg/L	0.001	0.005	<0.005	≤0.005	≤0.005	Based on APHA (2017), 4500-CN(C), (E)	Rayong
Dissolved Oxygen *	mg/L	-	0.1	6.1	≥4	≥2	Based on APHA (2017), 4500-O(C)	Rayong
Flow rate *	m3/s	-	-	0.896	No Standard	No Standard	Flow meter	Rayong
Nitrate as N *	mg/L	0.015	0.05	1.96	≤5	≤5	Based on APHA (2017), 4500-NO3(E)	Rayong
pH at 25 degree C		-	-	7.6	5.0-9.0	5.0-9.0	Based on APHA (2017), 4500-H (B)	Rayong
Phenol *	mg/L	0.0005	0.001	Not Detected	≤0.005	≤0.005	APHA (2017), 5530 D	Rayong
Temperature *	Degree C	-	-	29.1	(c)	(c)	Based on APHA (2017), 2550 B	Rayong

**Guideline :** (1) Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 3)  
(2) Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 4)  
(a) Not Change from natural condition  
(b) Non Objectionable  
(c) Change from Natural condition not more than 3 degree C

**Sampled By :** Pitthaya Thongtaeng

**Remark :**

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked \* is/are not included in scope of Accreditation ISO/IEC 17025.
- 
- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Approved by

*D. Chumman*

Dej Changchon  
Senior Manager

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## Analysis / Test Report

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168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 2230

**P/O :** RJN-BW-012/65

**Project Name :** Chonburi Bowin

**Project Location :**

**TESTING**

**No.0042**

**Lot ID: 22109465**

Date Received : Oct 28, 2022

Date Reported : Nov 04, 2022

Report Number : 2423650-1

Page 5 of 10

<b>Sample Number</b>	22109465-3
<b>Sampled Date</b>	Oct 28, 2022 10:13 AM
<b>Sample Description</b>	Surface Water
<b>Location</b>	SW3 : ห้วยพันเสด็จ ก่อนไหลผ่านพื้นที่โครงการ
<b>Date Analysis Commenced</b>	Oct 28, 2022
<b>Condition of Sample</b>	Contained in two glass vials, one BOD bottle and seven plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
<b>Metals Testing</b>								
<sup>[A]</sup> Aluminium	mg/L	0.003	0.005	0.67	No Standard	No Standard	Based on APHA (2017), 3125	Bangkok
<sup>[A]</sup> Arsenic	mg/L	0.0003	0.0005	0.005	≤0.01	≤0.01	Based on APHA (2017), 3125	Bangkok
<sup>[A]</sup> Cadmium	mg/L	0.0003	0.0005	Not Detected	≤0.005	≤0.005	Based on APHA (2017), 3125	Bangkok
<sup>[A]</sup> Copper	mg/L	0.0003	0.0005	0.01	≤0.10	≤0.10	Based on APHA (2017), 3125	Bangkok
<sup>[A]</sup> Hexavalent Chromium	mg/L	0.003	0.01	Not Detected	≤0.05	≤0.05	Based on APHA (2017), 3500-Cr (B)	Bangkok
<sup>[A]</sup> Iron	mg/L	0.003	0.005	1.82	No Standard	No Standard	Based on APHA (2017), 3125	Bangkok
<sup>[A]</sup> Lead	mg/L	0.0003	0.0005	0.002	≤0.05	≤0.05	Based on APHA (2017), 3125	Bangkok
<sup>[A]</sup> Mercury	mg/L	0.0001	0.0005	Not Detected	≤0.002	≤0.002	Based on US EPA, Method 1631 Revision E	Bangkok
<sup>[A]</sup> Nickel	mg/L	0.0003	0.0005	0.04	≤0.10	≤0.10	Based on APHA (2017), 3125	Bangkok
<sup>[A]</sup> Silver	mg/L	0.0003	0.0005	Not Detected	No Standard	No Standard	Based on APHA (2017), 3125	Bangkok
Trivalent Chromium *	mg/L	-	0.01	0.02	No Standard	No Standard	Based on APHA (2017), Calculated	Bangkok
<sup>[A]</sup> Zinc	mg/L	0.003	0.005	0.01	≤1	≤1	Based on APHA (2017), 3125	Bangkok
<b>Microbiological Testing</b>								
<sup>[A]</sup> Fecal Coliform	MPN/100mL	-	-	4900.0	≤4000	No Standard	APHA (2017), 9221 E	Bangkok
<sup>[A]</sup> Total Coliform	MPN/100mL	-	-	7900.0	≤20000	No Standard	APHA (2017), 9221 B	Bangkok

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Approved by

Dej Changchon  
Senior Manager

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## Analysis / Test Report

**Client :** Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230  
**P/O :** RJN-BW-012/65  
**Project Name :** Chonburi Bowin  
**Project Location :**

**TESTING**  
**No.0042**  
**Lot ID: 22109465**  
Date Received : Oct 28, 2022  
Date Reported : Nov 04, 2022  
Report Number : 2423650-1

Page 6 of 10

<b>Sample Number</b>	22109465-3
<b>Sampled Date</b>	Oct 28, 2022 10:13 AM
<b>Sample Description</b>	Surface Water
<b>Location</b>	SW3 : ห้วยพันเสด็จ ก่อนไหลผ่านพื้นที่โครงการ
<b>Date Analysis Commenced</b>	Oct 28, 2022
<b>Condition of Sample</b>	Contained in two glass vials, one BOD bottle and seven plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
<b>Water Testing</b>								
Ammonia Nitrogen *	mg/L	-	0.06	0.18	≤0.5	≤0.5	Based on APHA (2017), 4500-NH3 (B), (F)	Bangkok
BOD (5 days at 20 Degree C) *	mg/L	-	2	<2	≤2	≤4	APHA (2017), 5210 B	Rayong
Cyanide as CN	mg/L	0.001	0.005	Not Detected	≤0.005	≤0.005	Based on APHA (2017), 4500-CN(C), (E)	Rayong
Dissolved Oxygen *	mg/L	-	0.1	6.8	≥4	≥2	Based on APHA (2017), 4500-O(C)	Rayong
Flow rate *	m3/s	-	-	1.247	No Standard	No Standard	Flow meter	Rayong
Nitrate as N *	mg/L	0.015	0.05	1.50	≤5	≤5	Based on APHA (2017), 4500-NO3(E)	Rayong
pH at 25 degree C		-	-	7.4	5.0-9.0	5.0-9.0	Based on APHA (2017), 4500-H (B)	Rayong
Phenol *	mg/L	0.0005	0.001	Not Detected	≤0.005	≤0.005	APHA (2017), 5530 D	Rayong
Temperature *	Degree C	-	-	28.0	(c)	(c)	Based on APHA (2017), 2550 B	Rayong

**Guideline :** (1) Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 3)  
(2) Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 4)  
(a) Not Change from natural condition  
(b) Non Objectionable  
(c) Change from Natural condition not more than 3 degree C

**Sampled By :** Pitthaya Thongtaeng

**Remark :**

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked \* is/are not included in scope of Accreditation ISO/IEC 17025.
- 
- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Approved by

*D. Chumman*

Dej Changchon  
Senior Manager

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## Analysis / Test Report

**Client :** Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 2230

**P/O :** RJN-BW-012/65

**Project Name :** Chonburi Bowin

**Project Location :**

**TESTING**

**No.0042**

**Lot ID: 22109465**

Date Received : Oct 28, 2022

Date Reported : Nov 04, 2022

Report Number : 2423650-1

Page 7 of 10

<b>Sample Number</b>	22109465-4
<b>Sampled Date</b>	Oct 28, 2022 9:48 AM
<b>Sample Description</b>	Surface Water
<b>Location</b>	SW4 : ห้วยพันเสด็จ บริเวณจุดระบายน้ำทิ้งของโครงการ
<b>Date Analysis Commenced</b>	Oct 28, 2022
<b>Condition of Sample</b>	Contained in two glass vials, one BOD bottle and seven plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
<b>Metals Testing</b>								
<sup>[A]</sup> Aluminium	mg/L	0.003	0.005	0.50	No Standard	No Standard	Based on APHA (2017), 3125	Bangkok
<sup>[A]</sup> Arsenic	mg/L	0.0003	0.0005	0.008	≤0.01	≤0.01	Based on APHA (2017), 3125	Bangkok
<sup>[A]</sup> Cadmium	mg/L	0.0003	0.0005	Not Detected	≤0.005	≤0.005	Based on APHA (2017), 3125	Bangkok
<sup>[A]</sup> Copper	mg/L	0.0003	0.0005	0.01	≤0.10	≤0.10	Based on APHA (2017), 3125	Bangkok
<sup>[A]</sup> Hexavalent Chromium	mg/L	0.003	0.01	Not Detected	≤0.05	≤0.05	Based on APHA (2017), 3500-Cr (B)	Bangkok
<sup>[A]</sup> Iron	mg/L	0.003	0.005	1.73	No Standard	No Standard	Based on APHA (2017), 3125	Bangkok
<sup>[A]</sup> Lead	mg/L	0.0003	0.0005	0.002	≤0.05	≤0.05	Based on APHA (2017), 3125	Bangkok
<sup>[A]</sup> Mercury	mg/L	0.0001	0.0005	Not Detected	≤0.002	≤0.002	Based on US EPA, Method 1631 Revision E	Bangkok
<sup>[A]</sup> Nickel	mg/L	0.0003	0.0005	0.02	≤0.10	≤0.10	Based on APHA (2017), 3125	Bangkok
<sup>[A]</sup> Silver	mg/L	0.0003	0.0005	Not Detected	No Standard	No Standard	Based on APHA (2017), 3125	Bangkok
Trivalent Chromium *	mg/L	-	0.01	0.01	No Standard	No Standard	Based on APHA (2017), Calculated	Bangkok
<sup>[A]</sup> Zinc	mg/L	0.003	0.005	0.02	≤1	≤1	Based on APHA (2017), 3125	Bangkok
<b>Microbiological Testing</b>								
<sup>[A]</sup> Fecal Coliform	MPN/100mL	-	-	13000.0	≤4000	No Standard	APHA (2017), 9221 E	Bangkok
<sup>[A]</sup> Total Coliform	MPN/100mL	-	-	33000.0	≤20000	No Standard	APHA (2017), 9221 B	Bangkok

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Approved by

*D. Chumchon*

Dej Changchon  
Senior Manager

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## Analysis / Test Report

**Client :** Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230  
**P/O :** RJN-BW-012/65  
**Project Name :** Chonburi Bowin  
**Project Location :**

**TESTING**  
**No.0042**  
**Lot ID: 22109465**  
Date Received : Oct 28, 2022  
Date Reported : Nov 04, 2022  
Report Number : 2423650-1

Page 8 of 10

<b>Sample Number</b>	22109465-4
<b>Sampled Date</b>	Oct 28, 2022 9:48 AM
<b>Sample Description</b>	Surface Water
<b>Location</b>	SW4 : ห้วยพันเสด็จ บริเวณจุดระบายน้ำทิ้งของโครงการ
<b>Date Analysis Commenced</b>	Oct 28, 2022
<b>Condition of Sample</b>	Contained in two glass vials, one BOD bottle and seven plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
<b>Water Testing</b>								
Ammonia Nitrogen *	mg/L	-	0.06	0.23	≤0.5	≤0.5	Based on APHA (2017), 4500-NH3 (B), (F)	Bangkok
BOD (5 days at 20 Degree C) *	mg/L	-	2	<2	≤2	≤4	APHA (2017), 5210 B	Rayong
Cyanide as CN	mg/L	0.001	0.005	Not Detected	≤0.005	≤0.005	Based on APHA (2017), 4500-CN(C), (E)	Rayong
Dissolved Oxygen *	mg/L	-	0.1	6.8	≥4	≥2	Based on APHA (2017), 4500-O(C)	Rayong
Flow rate *	m3/s	-	-	3.438	No Standard	No Standard	Flow meter	Rayong
Nitrate as N *	mg/L	0.015	0.05	2.25	≤5	≤5	Based on APHA (2017), 4500-NO3(E)	Rayong
pH at 25 degree C		-	-	7.6	5.0-9.0	5.0-9.0	Based on APHA (2017), 4500-H (B)	Rayong
Phenol *	mg/L	0.0005	0.001	Not Detected	≤0.005	≤0.005	APHA (2017), 5530 D	Rayong
Temperature *	Degree C	-	-	28.2	(c)	(c)	Based on APHA (2017), 2550 B	Rayong

**Guideline :** (1) Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 3)  
(2) Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 4)  
(a) Not Change from natural condition  
(b) Non Objectionable  
(c) Change from Natural condition not more than 3 degree C

**Sampled By :** Pitthaya Thongtaeng

**Remark :**

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked \* is/are not included in scope of Accreditation ISO/IEC 17025.
- 
- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Approved by

*D. Chuan*

Dej Changchon  
Senior Manager

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## Analysis / Test Report

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168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 2230

**P/O :** RJN-BW-012/65

**Project Name :** Chonburi Bowin

**Project Location :**

**TESTING**

**No.0042**

**Lot ID: 22109465**

Date Received : Oct 28, 2022

Date Reported : Nov 04, 2022

Report Number : 2423650-1

Page 9 of 10

<b>Sample Number</b>	22109465-5
<b>Sampled Date</b>	Oct 28, 2022 9:30 AM
<b>Sample Description</b>	Surface Water
<b>Location</b>	SW5 : ห้วยพันเสด็จ หลังผ่านพื้นที่โครงการ
<b>Date Analysis Commenced</b>	Oct 28, 2022
<b>Condition of Sample</b>	Contained in two glass vials, one BOD bottle and seven plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
<b>Metals Testing</b>								
<sup>[A]</sup> Aluminium	mg/L	0.003	0.005	0.66	No Standard	No Standard	Based on APHA (2017), 3125	Bangkok
<sup>[A]</sup> Arsenic	mg/L	0.0003	0.0005	0.008	≤0.01	≤0.01	Based on APHA (2017), 3125	Bangkok
<sup>[A]</sup> Cadmium	mg/L	0.0003	0.0005	Not Detected	≤0.005	≤0.005	Based on APHA (2017), 3125	Bangkok
<sup>[A]</sup> Copper	mg/L	0.0003	0.0005	0.02	≤0.10	≤0.10	Based on APHA (2017), 3125	Bangkok
<sup>[A]</sup> Hexavalent Chromium	mg/L	0.003	0.01	Not Detected	≤0.05	≤0.05	Based on APHA (2017), 3500-Cr (B)	Bangkok
<sup>[A]</sup> Iron	mg/L	0.003	0.005	1.84	No Standard	No Standard	Based on APHA (2017), 3125	Bangkok
<sup>[A]</sup> Lead	mg/L	0.0003	0.0005	0.002	≤0.05	≤0.05	Based on APHA (2017), 3125	Bangkok
<sup>[A]</sup> Mercury	mg/L	0.0001	0.0005	Not Detected	≤0.002	≤0.002	Based on US EPA, Method 1631 Revision E	Bangkok
<sup>[A]</sup> Nickel	mg/L	0.0003	0.0005	0.02	≤0.10	≤0.10	Based on APHA (2017), 3125	Bangkok
<sup>[A]</sup> Silver	mg/L	0.0003	0.0005	Not Detected	No Standard	No Standard	Based on APHA (2017), 3125	Bangkok
Trivalent Chromium *	mg/L	-	0.01	0.01	No Standard	No Standard	Based on APHA (2017), Calculated	Bangkok
<sup>[A]</sup> Zinc	mg/L	0.003	0.005	0.02	≤1	≤1	Based on APHA (2017), 3125	Bangkok
<b>Microbiological Testing</b>								
<sup>[A]</sup> Fecal Coliform	MPN/100mL	-	-	24000.0	≤4000	No Standard	APHA (2017), 9221 E	Bangkok
<sup>[A]</sup> Total Coliform	MPN/100mL	-	-	49000.0	≤20000	No Standard	APHA (2017), 9221 B	Bangkok

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Dej Changchon  
Senior Manager

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## Analysis / Test Report

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168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230  
**P/O :** RJN-BW-012/65  
**Project Name :** Chonburi Bowin  
**Project Location :**

**TESTING**  
**No.0042**  
**Lot ID: 22109465**  
Date Received : Oct 28, 2022  
Date Reported : Nov 04, 2022  
Report Number : 2423650-1

Page 10 of 10

<b>Sample Number</b>	22109465-5
<b>Sampled Date</b>	Oct 28, 2022 9:30 AM
<b>Sample Description</b>	Surface Water
<b>Location</b>	SW5 : ห้วยพันเสด็จ หลังผ่านพื้นที่โครงการ
<b>Date Analysis Commenced</b>	Oct 28, 2022
<b>Condition of Sample</b>	Contained in two glass vials, one BOD bottle and seven plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
<b>Water Testing</b>								
Ammonia Nitrogen *	mg/L	-	0.06	0.26	≤0.5	≤0.5	Based on APHA (2017), 4500-NH3 (B), (F)	Bangkok
BOD (5 days at 20 Degree C) *	mg/L	-	2	<2	≤2	≤4	APHA (2017), 5210 B	Rayong
Cyanide as CN	mg/L	0.001	0.005	Not Detected	≤0.005	≤0.005	Based on APHA (2017), 4500-CN(C), (E)	Rayong
Dissolved Oxygen *	mg/L	-	0.1	6.8	≥4	≥2	Based on APHA (2017), 4500-O(C)	Rayong
Flow rate *	m3/s	-	-	1.037	No Standard	No Standard	Flow meter	Rayong
Nitrate as N *	mg/L	0.015	0.05	5.70	≤5	≤5	Based on APHA (2017), 4500-NO3(E)	Rayong
pH at 25 degree C		-	-	7.6	5.0-9.0	5.0-9.0	Based on APHA (2017), 4500-H (B)	Rayong
Phenol *	mg/L	0.0005	0.001	Not Detected	≤0.005	≤0.005	APHA (2017), 5530 D	Rayong
Temperature *	Degree C	-	-	29.0	(c)	(c)	Based on APHA (2017), 2550 B	Rayong

**Guideline :** (1) Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 3)  
(2) Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 4)  
(a) Not Change from natural condition  
(b) Non Objectionable  
(c) Change from Natural condition not more than 3 degree C

**Sampled By :** Pitthaya Thongtaeng

**Remark :**

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked \* is/are not included in scope of Accreditation ISO/IEC 17025.
- 
- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Approved by

*D. Chumman.*

Dej Changchon  
Senior Manager

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## Analysis / Test Report

**Client :** Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 2230

**P/O :**

**Project Name :** Chonburi Bowin

**Project Location :**

**TESTING**

**No.0042**

**Lot ID: 22100615**

Date Received : Sep 19, 2022

Date Reported : Sep 26, 2022

Report Number : 2405242-1

Page 1 of 2

<b>Sample Number</b>	22100615-1
<b>Sampled Date</b>	Sep 19, 2022 4:25 PM
<b>Sample Description</b>	Surface Water
<b>Location</b>	SW6 : อ่างเก็บน้ำหนองปลาไหล
<b>Date Analysis Commenced</b>	Sep 19, 2022
<b>Condition of Sample</b>	Contained in one BOD bottle, two glass vials and seven plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
<b>Metals Testing</b>								
<sup>[A]</sup> Aluminium	mg/L	0.003	0.005	0.06	No Standard	No Standard	Based on APHA (2017), 3125	Bangkok
<sup>[A]</sup> Arsenic	mg/L	0.0003	0.0005	0.003	≤0.01	≤0.01	Based on APHA (2017), 3125	Bangkok
<sup>[A]</sup> Cadmium	mg/L	0.0003	0.0005	Not Detected	≤0.005	≤0.005	Based on APHA (2017), 3125	Bangkok
<sup>[A]</sup> Copper	mg/L	0.0003	0.0005	<0.0005	≤0.10	≤0.10	Based on APHA (2017), 3125	Bangkok
<sup>[A]</sup> Hexavalent Chromium	mg/L	0.003	0.01	Not Detected	≤0.05	≤0.05	Based on APHA (2017), 3500-Cr (B)	Bangkok
<sup>[A]</sup> Iron	mg/L	0.003	0.005	0.13	No Standard	No Standard	Based on APHA (2017), 3125	Bangkok
<sup>[A]</sup> Lead	mg/L	0.0003	0.0005	Not Detected	≤0.05	≤0.05	Based on APHA (2017), 3125	Bangkok
<sup>[A]</sup> Mercury	mg/L	0.0001	0.0005	Not Detected	≤0.002	≤0.002	Based on US EPA, Method 1631 Revision E	Bangkok
<sup>[A]</sup> Nickel	mg/L	0.0003	0.0005	0.002	≤0.10	≤0.10	Based on APHA (2017), 3125	Bangkok
<sup>[A]</sup> Silver	mg/L	0.0003	0.0005	Not Detected	No Standard	No Standard	Based on APHA (2017), 3125	Bangkok
Trivalent Chromium *	mg/L	-	0.01	<0.01	No Standard	No Standard	Based on APHA (2017), Calculated	Bangkok
<sup>[A]</sup> Zinc	mg/L	0.003	0.005	<0.005	≤1	≤1	Based on APHA (2017), 3125	Bangkok
<b>Microbiological Testing</b>								
<sup>[A]</sup> Fecal Coliform	MPN/100mL	-	-	490.0	≤4000	No Standard	APHA (2017), 9221 E	Bangkok
<sup>[A]</sup> Total Coliform	MPN/100mL	-	-	3300.0	≤20000	No Standard	APHA (2017), 9221 B	Bangkok

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Approved by

*N. Banchongkit*

Narumon Banchongkit  
Supervisor

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## Analysis / Test Report

**Client :** Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

**P/O :**

**Project Name :** Chonburi Bowin

**Project Location :**

**TESTING**

**No.0042**

**Lot ID: 22100615**

Date Received : Sep 19, 2022

Date Reported : Sep 26, 2022

Report Number : 2405242-1

Page 2 of 2

<b>Sample Number</b>	22100615-1
<b>Sampled Date</b>	Sep 19, 2022 4:25 PM
<b>Sample Description</b>	Surface Water
<b>Location</b>	SW6 : อ่างเก็บน้ำหนองปลาไหล
<b>Date Analysis Commenced</b>	Sep 19, 2022
<b>Condition of Sample</b>	Contained in one BOD bottle, two glass vials and seven plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
<b>Water Testing</b>								
Ammonia Nitrogen *	mg/L	-	0.06	0.07	≤0.5	≤0.5	Based on APHA (2017), 4500-NH3 (B), (F)	Bangkok
BOD (5 days at 20 Degree C) *	mg/L	-	2	<2	≤2	≤4	APHA (2017), 5210 B	Rayong
Cyanide as CN	mg/L	0.001	0.005	Not Detected	≤0.005	≤0.005	Based on APHA (2017), 4500-CN(C), (E)	Rayong
Dissolved Oxygen *	mg/L	-	0.1	7.3	≥4	≥2	Based on APHA (2017), 4500-O(C)	Rayong
Flow rate *	m3/s	-	-	0.000	No Standard	No Standard	Flow meter	Rayong
Nitrate as N *	mg/L	0.015	0.05	0.13	≤5	≤5	Based on APHA (2017), 4500-NO3(E)	Rayong
pH at 25 degree C		-	-	7.5	5.0-9.0	5.0-9.0	Based on APHA (2017), 4500-H (B)	Rayong
Phenol *	mg/L	0.0005	0.001	Not Detected	≤0.005	≤0.005	APHA (2017), 5530 D	Rayong
Temperature *	Degree C	-	-	29.2	(c)	(c)	Based on APHA (2017), 2550 B	Rayong

**Guideline :** (1) Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 3)  
(2) Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 4)  
(a) Not Change from natural condition  
(b) Non Objectionable  
(c) Change from Natural condition not more than 3 degree C

**Sampled By :** Tanasit Wongsachai , Panupong Manit

**Remark :**

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked \* is/are not included in scope of Accreditation ISO/IEC 17025.
- 
- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

**Approved by**

*N. Banchongkit*

Narumon Banchongkit  
Supervisor

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## Analysis / Test Report

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168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

**P/O :**

**Project Name :** Chonburi Bowin

**Project Location :**

**TESTING**

**No.0042**

**Lot ID: 22100621**

Date Received : Sep 19, 2022

Date Reported : Sep 26, 2022

Report Number : 2405265-1

Page 1 of 3

**Sample Number** 22100621-1  
**Sampled Date** Sep 19, 2022 10:37 AM  
**Sample Description** Surface Water  
**Location** อ่างเก็บน้ำดิบ  
**Date Analysis Commenced** Sep 19, 2022  
**Condition of Sample** Contained in one BOD bottle, two glass vials, one amber glass bottle and eight plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
<b>Metals Testing</b>								
<sup>[A]</sup> Aluminium	mg/L	0.003	0.005	0.02	No Standard	No Standard	Based on APHA (2017), 3125	Bangkok
<sup>[A]</sup> Arsenic	mg/L	0.0003	0.0005	0.006	≤0.01	≤0.01	Based on APHA (2017), 3125	Bangkok
<sup>[A]</sup> Cadmium	mg/L	0.0003	0.0005	Not Detected	≤0.005	≤0.005	Based on APHA (2017), 3125	Bangkok
<sup>[A]</sup> Copper	mg/L	0.0003	0.0005	<0.0005	≤0.10	≤0.10	Based on APHA (2017), 3125	Bangkok
<sup>[A]</sup> Hexavalent Chromium	mg/L	0.003	0.01	Not Detected	≤0.05	≤0.05	Based on APHA (2017), 3500-Cr (B)	Bangkok
<sup>[A]</sup> Iron	mg/L	0.003	0.005	0.02	No Standard	No Standard	Based on APHA (2017), 3125	Bangkok
<sup>[A]</sup> Lead	mg/L	0.0003	0.0005	Not Detected	≤0.05	≤0.05	Based on APHA (2017), 3125	Bangkok
<sup>[A]</sup> Mercury	mg/L	0.0001	0.0005	Not Detected	≤0.002	≤0.002	Based on US EPA, Method 1631 Revision E	Bangkok
<sup>[A]</sup> Nickel	mg/L	0.0003	0.0005	0.002	≤0.10	≤0.10	Based on APHA (2017), 3125	Bangkok
<sup>[A]</sup> Silver	mg/L	0.0003	0.0005	Not Detected	No Standard	No Standard	Based on APHA (2017), 3125	Bangkok
<sup>[A]</sup> Zinc	mg/L	0.003	0.005	0.006	≤1	≤1	Based on APHA (2017), 3125	Bangkok

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Approved by

Wilawan Borirak  
Assistant Manager

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## Analysis / Test Report

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168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

**P/O :**

**Project Name :** Chonburi Bowin

**Project Location :**

**TESTING**

**No.0042**

**Lot ID: 22100621**

Date Received : Sep 19, 2022

Date Reported : Sep 26, 2022

Report Number : 2405265-1

Page 2 of 3

<b>Sample Number</b>	22100621-1							
<b>Sampled Date</b>	Sep 19, 2022 10:37 AM							
<b>Sample Description</b>	Surface Water							
<b>Location</b>	อ่างเก็บน้ำดิบ							
<b>Date Analysis Commenced</b>	Sep 19, 2022							
<b>Condition of Sample</b>	Contained in one BOD bottle, two glass vials, one amber glass bottle and eight plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)							
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
<b>Water Testing</b>								
BOD (5 days at 20 Degree C) *	mg/L	-	2	<2	≤2	≤4	APHA (2017), 5210 B	Rayong
Chloride as Cl *	mg/L	0.5	1	25.4	No Standard	No Standard	Based on APHA (2017), 4500-Cl(B)	Rayong
COD *	mg/L	1.5	5	13	No Standard	No Standard	APHA (2017), 5220 D	Rayong
Cyanide as CN	mg/L	0.001	0.005	Not Detected	≤0.005	≤0.005	Based on APHA (2017), 4500-CN(C), (E)	Rayong
Dissolved Oxygen *	mg/L	-	0.1	7.6	≥4	≥2	Based on APHA (2017), 4500-O(C)	Rayong
Fluoride	mg/L	-	0.2	0.40	No Standard	No Standard	APHA (2017), 4500-F(C)	Rayong
Formaldehyde *	mg/L	0.03	0.1	<0.1	No Standard	No Standard	Wastewater Analysis	Rayong
Oil & Grease *	mg/L	-	3	<3	No Standard	No Standard	Based on APHA (2017), 5520 D	Bangkok
pH at 25 degree C	-	-	-	8.3	5.0-9.0	5.0-9.0	Based on APHA (2017), 4500-H (B)	Rayong
Phenol *	mg/L	0.0005	0.001	Not Detected	≤0.005	≤0.005	APHA (2017), 5530 D	Rayong
Residual Free Chlorine *	mg/L	-	0.1	<0.1	No Standard	No Standard	Based on APHA (2017), 4500-Cl(F)	Rayong
Sulfide *	mg/L	-	0.5	<0.5	No Standard	No Standard	Based on APHA (2017), 4500-S2(C), (F)	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	144	No Standard	No Standard	APHA (2017), 2540 C	Rayong
Total Kjeldahl Nitrogen as N *	mg/L	-	1.0	<1.0	No Standard	No Standard	APHA (2017), 4500-Norg (C), NH3 (D)	Rayong
Total Suspended Solids Dried at 103-105 degree C *	mg/L	-	5	<5	No Standard	No Standard	APHA (2017), 2540 D	Rayong

**Guideline :** (1) Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 3)

(2) Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 4)

(a) Not Change from natural condition

(b) Non Objectionable

(c) Change from Natural condition not more than 3 degree C

**Sampled By :** Tanasit Wongsachai , Panupong Mani

Remark :

Approved by

Wilawan Borirak  
Assistant Manager

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## Analysis / Test Report

**Client :** Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

**P/O :**

**Project Name :** Chonburi Bowin

**Project Location :**

TESTING

No.0042

**Lot ID: 22100621**

Date Received : Sep 19, 2022

Date Reported : Sep 26, 2022

Report Number : 2405265-1

Page 3 of 3

- LOD : Limit of Detection
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Assistant Manager

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ผลการตรวจวิเคราะห์คุณภาพน้ำใต้ดิน





## Analysis / Test Report

**Client :** Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230  
**P/O :** RJN-BW-012/65  
**Project Name :** Chonburi Bowin  
**Project Location :**

**Lot ID: 22100624**

Date Received : Oct 24, 2022

Date Reported : Nov 03, 2022

Report Number : 2480773-1

Page 1 of 1

<b>Sample Number</b>	22100624-1
<b>Sampled Date</b>	Oct 24, 2022 10:10 AM
<b>Sample Description</b>	Underground Water
<b>Location</b>	GW1 ; พื้นที่สีเขียวในแนวกันชนของโครงการด้านทิศเหนือ
<b>Date Analysis Commenced</b>	Oct 25, 2022
<b>Condition of Sample</b>	Contained in two glass vials and six plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Water Testing</b>							
pH at 25 degree C		-	-	6.5	6.5-9.2 (I)	Based on APHA (2017), 4500-H (B)	Rayong

**Guideline :** Notification of the Ministry of Industry B.E. 2559 (2016) on Soil and Groundwater Contamination Criteria, Monitoring of Soil and Groundwater Quality, Report Submission and Report Preparation of Soil and Groundwater Quality, and Proposal Report of Soil and Groundwater Controlling and Reduction Measures

(I): ในกรณีที่มีการปนเปื้อนของกรดหรือด่างให้เปรียบเทียบผลวิเคราะห์ค่าพีเอชจากจุดเก็บตัวอย่างบ่อน้ำที่ใช้ในการติดตามตรวจสอบการปนเปื้อนกับผลวิเคราะห์จากจุดเก็บตัวอย่างบ่อน้ำที่เป็นบ่อน้ำทิ้งหรือบ่อน้ำทิ้งทางการไหลของน้ำใต้ดินในพื้นที่ โดยค่าพีเอชที่เปลี่ยนแปลงจะต้องไม่เกินหนึ่งระดับ และไม่อยู่นอกช่วงค่าเกณฑ์อนุโลมสูงสุดของมาตรฐานคุณภาพน้ำบาดาลที่บริโภคคือ 6.5-9.2

**Sampled By :** Wanlop Hunchainaow

Remark :

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)

Technical Management

*N. Banchongkit*

Narumon Banchongkit  
Supervisor  
ทะเบียนเลขที่ ว-323-จ-9445

Approved by

*D. Changchon*

Dej Changchon  
Senior Manager  
ทะเบียนเลขที่ ว-323-ค-9442

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168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

**P/O :** RJN-BW-012/65

**Project Name :** Chonburi Bowin

**Project Location :**

**TESTING**

**No.0009**

**Lot ID: 22100624**

Date Received : Oct 24, 2022

Date Reported : Nov 03, 2022

Report Number : 2480773-2

Page 1 of 1

**Sample Number** 22100624-1  
**Sampled Date** Oct 24, 2022 10:10 AM  
**Sample Description** Underground Water  
**Location** GW1 ; พื้นที่สีเขียวในแนวกันชนของโครงการด้านทิศเหนือ  
**Date Analysis Commenced** Oct 25, 2022  
**Condition of Sample** Contained in two glass vials and six plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Metals Testing</b>							
Arsenic	mg/L	0.0003	0.0005	0.19	0.1	Based on APHA (2017), 3125	Bangkok
Barium	mg/L	0.0003	0.0005	0.24	160	Based on APHA (2017), 3125	Bangkok
Cadmium	mg/L	0.0003	0.0005	Not Detected	2.0	Based on APHA (2017), 3125	Bangkok
Hexavalent Chromium	mg/L	0.003	0.01	<0.01	6.0	Based on APHA (2017), 3500-Cr (B)	Bangkok
Lead	mg/L	0.0003	0.0005	0.0005	4.0	Based on APHA (2017), 3125	Bangkok
Manganese	mg/L	0.0003	0.0005	3.66	33	Based on APHA (2017), 3125	Bangkok
Mercury *	mg/L	0.0001	0.0005	Not Detected	0.7	Based on APHA (2017), 3112	Bangkok
Nickel	mg/L	0.0003	0.0005	0.0007	5.0	Based on APHA (2017), 3125	Bangkok
Selenium	mg/L	0.0003	0.0005	Not Detected	12	Based on APHA (2017), 3125	Bangkok
Silver	mg/L	0.0003	0.0005	Not Detected	12	Based on APHA (2017), 3125	Bangkok
Trivalent Chromium *	mg/L	-	0.01	<0.01	40	Based on APHA (2017), Calculated	Bangkok
Zinc	mg/L	0.003	0.005	Not Detected	10	Based on APHA (2017), 3125	Bangkok

**Guideline :** Notification of the Ministry of Industry B.E. 2559 (2016) on Soil and Groundwater Contamination Criteria, Monitoring of Soil and Groundwater Quality, Report Submission and Report Preparation of Soil and Groundwater Quality, and Proposal Report of Soil and Groundwater Controlling and Reduction Measures

**Sampled By :** Wanlop Hunchainaw

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- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

**Technical Management**

*Sawitree N.*

Sawitree Noisangiam  
Manager

ทะเบียนเลขที่ ว-204-จ-4709

**Approved by**

*Kanok Korn Anek*

Kanok Korn Anek  
Senior Manager

ทะเบียนเลขที่ ว-204-ค-6111

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## Analysis / Test Report

TESTING

No.0009

**Lot ID: 22100624**

Date Received : Oct 24, 2022

Date Reported : Nov 03, 2022

Report Number : 2480773-3

**Client** : Rojana Industrial Park Public Co., Ltd.

168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

**P/O** : RJN-BW-012/65

**Project Name** : Chonburi Bowin

**Project Location** :

Page 1 of 1

<b>Sample Number</b>	22100624-1
<b>Sampled Date</b>	Oct 24, 2022 10:10 AM
<b>Sample Description</b>	Underground Water
<b>Location</b>	GW1 ; พื้นที่สีเขียวในแนวกันชนของโครงการด้านทิศเหนือ
<b>Date Analysis Commenced</b>	Oct 25, 2022
<b>Condition of Sample</b>	Contained in two glass vials and six plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Metals Testing</b>							
Aluminium	mg/L	0.003	0.005	0.10	No Standard	Based on APHA (2017), 3125	Bangkok
Copper	mg/L	0.0003	0.0005	Not Detected	No Standard	Based on APHA (2017), 3125	Bangkok
Iron	mg/L	0.003	0.005	26.7	No Standard	Based on APHA (2017), 3125	Bangkok
<b>Microbiological Testing</b>							
<i>Escherichia coli</i>	MPN/100mL	-	-	<1.8	No Standard	APHA (2017), 9221 F	Bangkok
<b>Water Testing</b>							
Chloride as Cl *	mg/L	0.5	1	3.8	No Standard	Based on APHA (2017), 4500-Cl(B)	Rayong
Color *	Color unit	-	5	10	No Standard	APHA (2017), 2120 B	Rayong
Fluoride *	mg/L	-	0.2	0.5	No Standard	APHA (2017), 4500-F(C)	Rayong
Nitrate as N *	mg/L	0.015	0.05	Not Detected	No Standard	Based on APHA (2017), 4500-NO3(E)	Rayong
Permanent Hardness as CaCO <sub>3</sub> *	mg/L	-	1	<1	No Standard	Based on APHA (2017), 2320 B	Bangkok
Sulfate *	mg/L	0.6	2	8.5	No Standard	Based on APHA (2017), 4500-SO4(E)	Rayong
Total Alkalinity as CaCO <sub>3</sub> *	mg/L	-	1	56	No Standard	Based on APHA (2017), 2320 B	Bangkok
Total Dissolved Solids Dried at 180 degree C *	mg/L	-	5	118	No Standard	APHA (2017), 2540 C	Rayong
Total Hardness as CaCO <sub>3</sub> *	mg/L	-	1	34	No Standard	APHA (2017), 2340 C	Bangkok
Turbidity *	NTU	-	0.1	240	No Standard	Based on APHA (2017), 2130 B	Rayong

**Guideline** : Notification of the Ministry of Industry B.E. 2559 (2016) on Soil and Groundwater Contamination Criteria, Monitoring of Soil and Groundwater Quality, Report Submission and Report Preparation of Soil and Groundwater Quality, and Proposal Report of Soil and Groundwater Controlling and Reduction Measures

**Sampled By** : Wanlop Hunchainaow

Remark :

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked \* is/are not included in scope of Accreditation ISO/IEC 17025.
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Approved by

*Sawitree N.*

Sawitree Noisangiam  
Manager



## Analysis / Test Report

**Client :** Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

**P/O :** RJN-BW-012/65

**Project Name :** Chonburi Bowin

**Project Location :**

**Lot ID: 22100624**

Date Received : Oct 24, 2022

Date Reported : Nov 03, 2022

Report Number : 2480774-1

Page 1 of 1

<b>Sample Number</b>	22100624-2
<b>Sampled Date</b>	Oct 24, 2022 11:40 AM
<b>Sample Description</b>	Underground Water
<b>Location</b>	GW2 ; พื้นที่สีเขียวในแนวกันชนของโครงการด้านทิศใต้
<b>Date Analysis Commenced</b>	Oct 25, 2022
<b>Condition of Sample</b>	Contained in two glass vials and six plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Water Testing</b>							
pH at 25 degree C		-	-	5.3	6.5-9.2 (I)	Based on APHA (2017), 4500-H (B)	Rayong

**Guideline :** Notification of the Ministry of Industry B.E. 2559 (2016) on Soil and Groundwater Contamination Criteria, Monitoring of Soil and Groundwater Quality, Report Submission and Report Preparation of Soil and Groundwater Quality, and Proposal Report of Soil and Groundwater Controlling and Reduction Measures

(I): ในกรณีที่มีการปนเปื้อนของกรดหรือด่างให้เปรียบเทียบผลวิเคราะห์ค่าพีเอชจากจุดเก็บตัวอย่างบ่อน้ำที่ใช้ในการติดตามตรวจสอบการปนเปื้อนกับผลวิเคราะห์จากจุดเก็บตัวอย่างบ่อน้ำที่ใช่เป็นบ่ออ้างอิงบนทิศทางไหลของน้ำใต้ดินในพื้นที่ โดยค่าพีเอชที่เปลี่ยนแปลงจะต้องไม่เกินหนึ่งระดับ และไม่อยู่นอกช่วงค่าเกณฑ์อนุโลมสูงสุดของมาตรฐานคุณภาพน้ำบาดาลที่ไขว้โรคคือ 6.5-9.2

**Sampled By :** Wanlop Hunchainaow

Remark :

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)

Technical Management

*N. Banchongkit*

Narumon Banchongkit

Supervisor

ทะเบียนเลขที่ ว-323-จ-9445

Approved by

*D. Changchon*

Dej Changchon

Senior Manager

ทะเบียนเลขที่ ว-323-ค-9442

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## Analysis / Test Report

**Client :** Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230  
**P/O :** RJN-BW-012/65  
**Project Name :** Chonburi Bowin  
**Project Location :**

**TESTING**  
**No.0009**  
**Lot ID: 22100624**  
Date Received : Oct 24, 2022  
Date Reported : Nov 03, 2022  
Report Number : 2480774-2

Page 1 of 1

**Sample Number** 22100624-2  
**Sampled Date** Oct 24, 2022 11:40 AM  
**Sample Description** Underground Water  
**Location** GW2 ; พื้นที่สีเขียวในแนวกันชนของโครงการด้านทิศใต้  
**Date Analysis Commenced** Oct 25, 2022  
**Condition of Sample** Contained in two glass vials and six plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Metals Testing</b>							
Arsenic	mg/L	0.0003	0.0005	0.001	0.1	Based on APHA (2017), 3125	Bangkok
Barium	mg/L	0.0003	0.0005	0.14	160	Based on APHA (2017), 3125	Bangkok
Cadmium	mg/L	0.0003	0.0005	Not Detected	2.0	Based on APHA (2017), 3125	Bangkok
Hexavalent Chromium	mg/L	0.003	0.01	<0.01	6.0	Based on APHA (2017), 3500-Cr (B)	Bangkok
Lead	mg/L	0.0003	0.0005	0.005	4.0	Based on APHA (2017), 3125	Bangkok
Manganese	mg/L	0.0003	0.0005	0.96	33	Based on APHA (2017), 3125	Bangkok
Mercury *	mg/L	0.0001	0.0005	Not Detected	0.7	Based on APHA (2017), 3112	Bangkok
Nickel	mg/L	0.0003	0.0005	0.003	5.0	Based on APHA (2017), 3125	Bangkok
Selenium	mg/L	0.0003	0.0005	Not Detected	12	Based on APHA (2017), 3125	Bangkok
Silver	mg/L	0.0003	0.0005	Not Detected	12	Based on APHA (2017), 3125	Bangkok
Trivalent Chromium *	mg/L	-	0.01	<0.01	40	Based on APHA (2017), Calculated	Bangkok
Zinc	mg/L	0.003	0.005	0.02	10	Based on APHA (2017), 3125	Bangkok

**Guideline :** Notification of the Ministry of Industry B.E. 2559 (2016) on Soil and Groundwater Contamination Criteria, Monitoring of Soil and Groundwater Quality, Report Submission and Report Preparation of Soil and Groundwater Quality, and Proposal Report of Soil and Groundwater Controlling and Reduction Measures

**Sampled By :** Wanlop Hunchainaw

Remark :

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Technical Management

*Sawitree N.*

Sawitree Noisangiam  
Manager

ทะเบียนเลขที่ ว-204-จ-4709

Approved by

*Kanok Korn Anek*

Kanok Korn Anek  
Senior Manager

ทะเบียนเลขที่ ว-204-ค-6111

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## Analysis / Test Report

**Client :** Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 2230  
**P/O :** RJN-BW-012/65  
**Project Name :** Chonburi Bowin  
**Project Location :**

**TESTING**  
**No.0009**  
**Lot ID: 22100624**  
Date Received : Oct 24, 2022  
Date Reported : Nov 03, 2022  
Report Number : 2480774-3

Page 1 of 1

**Sample Number** 22100624-2  
**Sampled Date** Oct 24, 2022 11:40 AM  
**Sample Description** Underground Water  
**Location** GW2 ; พื้นที่สีเขียวในแนวกันชนของโครงการด้านทิศใต้  
**Date Analysis Commenced** Oct 25, 2022  
**Condition of Sample** Contained in two glass vials and six plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Metals Testing</b>							
Aluminium	mg/L	0.003	0.005	0.12	No Standard	Based on APHA (2017), 3125	Bangkok
Copper	mg/L	0.0003	0.0005	0.001	No Standard	Based on APHA (2017), 3125	Bangkok
Iron	mg/L	0.003	0.005	0.98	No Standard	Based on APHA (2017), 3125	Bangkok
<b>Microbiological Testing</b>							
<i>Escherichia coli</i>	MPN/100mL	-	-	<1.8	No Standard	APHA (2017), 9221 F	Bangkok
<b>Water Testing</b>							
Chloride as Cl *	mg/L	0.5	1	16.6	No Standard	Based on APHA (2017), 4500-Cl(B)	Rayong
Color *	Color unit	-	5	<5	No Standard	APHA (2017), 2120 B	Rayong
Fluoride *	mg/L	-	0.2	<0.2	No Standard	APHA (2017), 4500-F(C)	Rayong
Nitrate as N *	mg/L	0.015	0.05	Not Detected	No Standard	Based on APHA (2017), 4500-NO3(E)	Rayong
Permanent Hardness as CaCO <sub>3</sub> *	mg/L	-	1	33	No Standard	Based on APHA (2017), 2320 B	Bangkok
Sulfate *	mg/L	0.6	2	35.5	No Standard	Based on APHA (2017), 4500-SO4(E)	Rayong
Total Alkalinity as CaCO <sub>3</sub> *	mg/L	-	1	5	No Standard	Based on APHA (2017), 2320 B	Bangkok
Total Dissolved Solids Dried at 180 degree C *	mg/L	-	5	104	No Standard	APHA (2017), 2540 C	Rayong
Total Hardness as CaCO <sub>3</sub> *	mg/L	-	1	38	No Standard	APHA (2017), 2340 C	Bangkok
Turbidity *	NTU	-	0.1	1.8	No Standard	Based on APHA (2017), 2130 B	Rayong

**Guideline :** Notification of the Ministry of Industry B.E. 2559 (2016) on Soil and Groundwater Contamination Criteria, Monitoring of Soil and Groundwater Quality, Report Submission and Report Preparation of Soil and Groundwater Quality, and Proposal Report of Soil and Groundwater Controlling and Reduction Measures

**Sampled By :** Wanlop Hunchainaow

**Remark :**

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- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
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Approved by

*Sawitree N.*

Sawitree Noisangiam  
Manager



## Analysis / Test Report

**Client :** Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

**P/O :** RJN-BW-012/65

**Project Name :** Chonburi Bowin

**Project Location :**

**Lot ID: 22100624**

Date Received : Oct 24, 2022

Date Reported : Nov 03, 2022

Report Number : 2480775-1

Page 1 of 1

<b>Sample Number</b>	22100624-3
<b>Sampled Date</b>	Oct 24, 2022 11:10 AM
<b>Sample Description</b>	Underground Water
<b>Location</b>	GW3 ; พื้นที่สีเขียวในแนวกันชนของโครงการด้านทิศตะวันออก
<b>Date Analysis Commenced</b>	Oct 25, 2022
<b>Condition of Sample</b>	Contained in two glass vials and six plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Water Testing</b>							
pH at 25 degree C		-	-	6.1	6.5-9.2 (I)	Based on APHA (2017), 4500-H (B)	Rayong

**Guideline :** Notification of the Ministry of Industry B.E. 2559 (2016) on Soil and Groundwater Contamination Criteria, Monitoring of Soil and Groundwater Quality, Report Submission and Report Preparation of Soil and Groundwater Quality, and Proposal Report of Soil and Groundwater Controlling and Reduction Measures

(I): ในกรณีที่มีการปนเปื้อนของกรดหรือด่างให้เปรียบเทียบผลวิเคราะห์ค่าพีเอชจากจุดเก็บตัวอย่างบ่อน้ำที่ใช้ในการติดตามตรวจสอบการปนเปื้อนกับผลวิเคราะห์จากจุดเก็บตัวอย่างบ่อน้ำที่ใช่เป็นบ่อน้ำกึ่งบนทิศทางการไหลของน้ำใต้ดินในพื้นที่ โดยค่าพีเอชที่เปลี่ยนแปลงจะต้องไม่เกินหนึ่งระดับ และไม่อยู่นอกช่วงค่าเกณฑ์อนุโลมสูงสุดของมาตรฐานคุณภาพน้ำบาดาลที่ไขว้โรคคือ 6.5-9.2

**Sampled By :** Wanlop Hunchainaow

Remark :

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)

Technical Management

*N. Banchongkit*

Narumon Banchongkit

Supervisor

ทะเบียนเลขที่ ว-323-จ-9445

Approved by

*D. Changchon*

Dej Changchon

Senior Manager

ทะเบียนเลขที่ ว-323-ค-9442

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## Analysis / Test Report

TESTING

No.0009

Lot ID: 22100624

Date Received : Oct 24, 2022

Date Reported : Nov 03, 2022

Report Number : 2480775-2

Client : Rojana Industrial Park Public Co., Ltd.

168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

P/O : RJN-BW-012/65

Project Name : Chonburi Bowin

Project Location :

Page 1 of 1

Sample Number	22100624-3
Sampled Date	Oct 24, 2022 11:10 AM
Sample Description	Underground Water
Location	GW3 ; พื้นที่สีเขียวในแนวกันชนของโครงการด้านทิศตะวันออก
Date Analysis Commenced	Oct 25, 2022
Condition of Sample	Contained in two glass vials and six plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Metals Testing</b>							
Arsenic	mg/L	0.0003	0.0005	0.0009	0.1	Based on APHA (2017), 3125	Bangkok
Barium	mg/L	0.0003	0.0005	0.21	160	Based on APHA (2017), 3125	Bangkok
Cadmium	mg/L	0.0003	0.0005	Not Detected	2.0	Based on APHA (2017), 3125	Bangkok
Hexavalent Chromium	mg/L	0.003	0.01	Not Detected	6.0	Based on APHA (2017), 3500-Cr (B)	Bangkok
Lead	mg/L	0.0003	0.0005	Not Detected	4.0	Based on APHA (2017), 3125	Bangkok
Manganese	mg/L	0.0003	0.0005	3.96	33	Based on APHA (2017), 3125	Bangkok
Mercury *	mg/L	0.0001	0.0005	Not Detected	0.7	Based on APHA (2017), 3112	Bangkok
Nickel	mg/L	0.0003	0.0005	0.002	5.0	Based on APHA (2017), 3125	Bangkok
Selenium	mg/L	0.0003	0.0005	Not Detected	12	Based on APHA (2017), 3125	Bangkok
Silver	mg/L	0.0003	0.0005	Not Detected	12	Based on APHA (2017), 3125	Bangkok
Trivalent Chromium *	mg/L	-	0.01	<0.01	40	Based on APHA (2017), Calculated	Bangkok
Zinc	mg/L	0.003	0.005	Not Detected	10	Based on APHA (2017), 3125	Bangkok

**Guideline** : Notification of the Ministry of Industry B.E. 2559 (2016) on Soil and Groundwater Contamination Criteria, Monitoring of Soil and Groundwater Quality, Report Submission and Report Preparation of Soil and Groundwater Quality, and Proposal Report of Soil and Groundwater Controlling and Reduction Measures

**Sampled By** : Wanlop Hunchainaow

Remark :

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Technical Management

*Sawitree N.*

Sawitree Noisangiam

Manager

ทะเบียนเลขที่ ว-204-จ-4709

Approved by

*Kanok Korn Anek*

Kanok Korn Anek

Senior Manager

ทะเบียนเลขที่ ว-204-ค-6111

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## Analysis / Test Report

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168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 2230  
**P/O :** RJN-BW-012/65  
**Project Name :** Chonburi Bowin  
**Project Location :**

**TESTING**  
**No.0009**  
**Lot ID: 22100624**  
Date Received : Oct 24, 2022  
Date Reported : Nov 03, 2022  
Report Number : 2480775-3

Page 1 of 1

**Sample Number** 22100624-3  
**Sampled Date** Oct 24, 2022 11:10 AM  
**Sample Description** Underground Water  
**Location** GW3 ; พื้นที่สีเขียวในแนวกันชนของโครงการด้านทิศตะวันออก  
**Date Analysis Commenced** Oct 25, 2022  
**Condition of Sample** Contained in two glass vials and six plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Metals Testing</b>							
Aluminium	mg/L	0.003	0.005	0.04	No Standard	Based on APHA (2017), 3125	Bangkok
Copper	mg/L	0.0003	0.0005	Not Detected	No Standard	Based on APHA (2017), 3125	Bangkok
Iron	mg/L	0.003	0.005	0.04	No Standard	Based on APHA (2017), 3125	Bangkok
<b>Microbiological Testing</b>							
<i>Escherichia coli</i>	MPN/100mL	-	-	<1.8	No Standard	APHA (2017), 9221 F	Bangkok
<b>Water Testing</b>							
Chloride as Cl *	mg/L	0.5	1	4.3	No Standard	Based on APHA (2017), 4500-Cl(B)	Rayong
Color *	Color unit	-	5	<5	No Standard	APHA (2017), 2120 B	Rayong
Fluoride *	mg/L	-	0.2	<0.2	No Standard	APHA (2017), 4500-F(C)	Rayong
Nitrate as N *	mg/L	0.015	0.05	Not Detected	No Standard	Based on APHA (2017), 4500-NO3(E)	Rayong
Permanent Hardness as CaCO <sub>3</sub> *	mg/L	-	1	36	No Standard	Based on APHA (2017), 2320 B	Bangkok
Sulfate *	mg/L	0.6	2	49.3	No Standard	Based on APHA (2017), 4500-SO4(E)	Rayong
Total Alkalinity as CaCO <sub>3</sub> *	mg/L	-	1	91	No Standard	Based on APHA (2017), 2320 B	Bangkok
Total Dissolved Solids Dried at 180 degree C *	mg/L	-	5	210	No Standard	APHA (2017), 2540 C	Rayong
Total Hardness as CaCO <sub>3</sub> *	mg/L	-	1	127	No Standard	APHA (2017), 2340 C	Bangkok
Turbidity *	NTU	-	0.1	1.4	No Standard	Based on APHA (2017), 2130 B	Rayong

**Guideline :** Notification of the Ministry of Industry B.E. 2559 (2016) on Soil and Groundwater Contamination Criteria, Monitoring of Soil and Groundwater Quality, Report Submission and Report Preparation of Soil and Groundwater Quality, and Proposal Report of Soil and Groundwater Controlling and Reduction Measures

**Sampled By :** Wanlop Hunchainaow

**Remark :**

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Approved by

*Sawitree N.*

Sawitree Noisangiam  
Manager



## Analysis / Test Report

**Client :** Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230  
**P/O :** RJN-BW-012/65  
**Project Name :** Chonburi Bowin  
**Project Location :**

**Lot ID: 22100624**

Date Received : Oct 24, 2022

Date Reported : Nov 03, 2022

Report Number : 2480776-1

Page 1 of 1

<b>Sample Number</b>	22100624-4
<b>Sampled Date</b>	Oct 24, 2022 12:00 PM
<b>Sample Description</b>	Underground Water
<b>Location</b>	GW4 ; พื้นที่สีเขียวในแนวกันชนของโครงการด้านทิศตะวันตก
<b>Date Analysis Commenced</b>	Oct 25, 2022
<b>Condition of Sample</b>	Contained in two glass vials and six plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Water Testing</b>							
pH at 25 degree C		-	-	6.8	6.5-9.2 (I)	Based on APHA (2017), 4500-H (B)	Rayong

**Guideline :** Notification of the Ministry of Industry B.E. 2559 (2016) on Soil and Groundwater Contamination Criteria, Monitoring of Soil and Groundwater Quality, Report Submission and Report Preparation of Soil and Groundwater Quality, and Proposal Report of Soil and Groundwater Controlling and Reduction Measures

(I): ในกรณีที่มีการปนเปื้อนของกรดหรือด่างให้เปรียบเทียบผลวิเคราะห์ค่าพีเอชจากจุดเก็บตัวอย่างบ่อน้ำที่ใช้ในการติดตามตรวจสอบการปนเปื้อนกับผลวิเคราะห์จากจุดเก็บตัวอย่างบ่อน้ำที่เป็นบ่อน้ำทิ้งหรือบ่อน้ำทิ้งทางการไหลของน้ำใต้ดินในพื้นที่ โดยค่าพีเอชที่เปลี่ยนแปลงจะต้องไม่เกินหนึ่งระดับ และไม่อยู่นอกช่วงค่าเกณฑ์อนุโลมสูงสุดของมาตรฐานคุณภาพน้ำบาดาลที่บริโภคคือ 6.5-9.2

**Sampled By :** Wanlop Hunchainaow

Remark :

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)

Technical Management

*N. Banchongkit*

Narumon Banchongkit  
Supervisor  
ทะเบียนเลขที่ ว-323-จ-9445

Approved by

*D. Changchon*

Dej Changchon  
Senior Manager  
ทะเบียนเลขที่ ว-323-ค-9442

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## Analysis / Test Report

**Client :** Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

**P/O :** RJN-BW-012/65

**Project Name :** Chonburi Bowin

**Project Location :**

**TESTING**

**No.0009**

**Lot ID: 22100624**

Date Received : Oct 24, 2022

Date Reported : Nov 03, 2022

Report Number : 2480776-2

Page 1 of 1

**Sample Number** 22100624-4  
**Sampled Date** Oct 24, 2022 12:00 PM  
**Sample Description** Underground Water  
**Location** GW4 ; พื้นที่สีเขียวในแนวกันชนของโครงการด้านทิศตะวันตก  
**Date Analysis Commenced** Oct 25, 2022  
**Condition of Sample** Contained in two glass vials and six plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Metals Testing</b>							
Arsenic	mg/L	0.0003	0.0005	0.01	0.1	Based on APHA (2017), 3125	Bangkok
Barium	mg/L	0.0003	0.0005	0.22	160	Based on APHA (2017), 3125	Bangkok
Cadmium	mg/L	0.0003	0.0005	Not Detected	2.0	Based on APHA (2017), 3125	Bangkok
Hexavalent Chromium	mg/L	0.003	0.01	<0.01	6.0	Based on APHA (2017), 3500-Cr (B)	Bangkok
Lead	mg/L	0.0003	0.0005	0.008	4.0	Based on APHA (2017), 3125	Bangkok
Manganese	mg/L	0.0003	0.0005	0.72	33	Based on APHA (2017), 3125	Bangkok
Mercury *	mg/L	0.0001	0.0005	Not Detected	0.7	Based on APHA (2017), 3112	Bangkok
Nickel	mg/L	0.0003	0.0005	0.003	5.0	Based on APHA (2017), 3125	Bangkok
Selenium	mg/L	0.0003	0.0005	Not Detected	12	Based on APHA (2017), 3125	Bangkok
Silver	mg/L	0.0003	0.0005	Not Detected	12	Based on APHA (2017), 3125	Bangkok
Trivalent Chromium *	mg/L	-	0.01	<0.01	40	Based on APHA (2017), Calculated	Bangkok
Zinc	mg/L	0.003	0.005	0.006	10	Based on APHA (2017), 3125	Bangkok

**Guideline :** Notification of the Ministry of Industry B.E. 2559 (2016) on Soil and Groundwater Contamination Criteria, Monitoring of Soil and Groundwater Quality, Report Submission and Report Preparation of Soil and Groundwater Quality, and Proposal Report of Soil and Groundwater Controlling and Reduction Measures

**Sampled By :** Wanlop Hunchainaw

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- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

**Technical Management**

*Sawitree N.*

Sawitree Noisangiam  
Manager

ทะเบียนเลขที่ ว-204-จ-4709

**Approved by**

*Kanok Korn Anek*

Kanokkorn Anek  
Senior Manager

ทะเบียนเลขที่ ว-204-ค-6111

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## Analysis / Test Report

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168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 2230  
**P/O** : RJN-BW-012/65  
**Project Name** : Chonburi Bowin  
**Project Location** :

**TESTING**  
**No.0009**  
**Lot ID: 22100624**  
Date Received : Oct 24, 2022  
Date Reported : Nov 03, 2022  
Report Number : 2480776-3

Page 1 of 1

<b>Sample Number</b>	22100624-4
<b>Sampled Date</b>	Oct 24, 2022 12:00 PM
<b>Sample Description</b>	Underground Water
<b>Location</b>	GW4 ; พื้นที่สีเขียวในแนวกันชนของโครงการด้านทิศตะวันตก
<b>Date Analysis Commenced</b>	Oct 25, 2022
<b>Condition of Sample</b>	Contained in two glass vials and six plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Metals Testing</b>							
Aluminium	mg/L	0.003	0.005	1.31	No Standard	Based on APHA (2017), 3125	Bangkok
Copper	mg/L	0.0003	0.0005	0.005	No Standard	Based on APHA (2017), 3125	Bangkok
Iron	mg/L	0.003	0.005	3.60	No Standard	Based on APHA (2017), 3125	Bangkok
<b>Microbiological Testing</b>							
<i>Escherichia coli</i>	MPN/100mL	-	-	79.0	No Standard	APHA (2017), 9221 F	Bangkok
<b>Water Testing</b>							
Chloride as Cl *	mg/L	0.5	1	6.2	No Standard	Based on APHA (2017), 4500-Cl(B)	Rayong
Color *	Color unit	-	5	10	No Standard	APHA (2017), 2120 B	Rayong
Fluoride *	mg/L	-	0.2	<0.2	No Standard	APHA (2017), 4500-F(C)	Rayong
Nitrate as N *	mg/L	0.015	0.05	<0.05	No Standard	Based on APHA (2017), 4500-NO3(E)	Rayong
Permanent Hardness as CaCO <sub>3</sub> *	mg/L	-	1	36	No Standard	Based on APHA (2017), 2320 B	Bangkok
Sulfate *	mg/L	0.6	2	10.1	No Standard	Based on APHA (2017), 4500-SO4(E)	Rayong
Total Alkalinity as CaCO <sub>3</sub> *	mg/L	-	1	152	No Standard	Based on APHA (2017), 2320 B	Bangkok
Total Dissolved Solids Dried at 180 degree C *	mg/L	-	5	198	No Standard	APHA (2017), 2540 C	Rayong
Total Hardness as CaCO <sub>3</sub> *	mg/L	-	1	188	No Standard	APHA (2017), 2340 C	Bangkok
Turbidity *	NTU	-	0.1	90.0	No Standard	Based on APHA (2017), 2130 B	Rayong

**Guideline** : Notification of the Ministry of Industry B.E. 2559 (2016) on Soil and Groundwater Contamination Criteria, Monitoring of Soil and Groundwater Quality, Report Submission and Report Preparation of Soil and Groundwater Quality, and Proposal Report of Soil and Groundwater Controlling and Reduction Measures

**Sampled By** : Wanlop Hunchainaow

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Approved by

*Sawitree N.*

Sawitree Noisangiam  
Manager

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## Analysis / Test Report

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168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

**P/O :** RJN-BW-012/65

**Project Name :** Chonburi Bowin

**Project Location :**

**Lot ID: 22100624**

Date Received : Oct 24, 2022

Date Reported : Nov 03, 2022

Report Number : 2480777-1

Page 1 of 1

<b>Sample Number</b>	22100624-5
<b>Sampled Date</b>	Oct 24, 2022 2:20 PM
<b>Sample Description</b>	Underground Water
<b>Location</b>	ม.4 บ้านพันเสด็จใน
<b>Date Analysis Commenced</b>	Oct 25, 2022
<b>Condition of Sample</b>	Contained in two glass vials and six plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Water Testing</b>							
pH at 25 degree C		-	-	6.6	6.5-9.2 (I)	Based on APHA (2017), 4500-H (B)	Rayong

**Guideline :** Notification of the Ministry of Industry B.E. 2559 (2016) on Soil and Groundwater Contamination Criteria, Monitoring of Soil and Groundwater Quality, Report Submission and Report Preparation of Soil and Groundwater Quality, and Proposal Report of Soil and Groundwater Controlling and Reduction Measures

(I): ในกรณีที่มีการปนเปื้อนของกรดหรือด่างให้เปรียบเทียบผลวิเคราะห์ค่าพีเอชจากจุดเก็บตัวอย่างบ่อน้ำที่ใช้ในการติดตามตรวจสอบการปนเปื้อนกับผลวิเคราะห์จากจุดเก็บตัวอย่างบ่อน้ำที่เป็นบ่อน้ำก้นบึงหรือบ่อน้ำที่ตื้นเขินของน้ำใต้ดินในพื้นที่ โดยค่าพีเอชที่เปลี่ยนแปลงจะต้องไม่เกินหนึ่งระดับ และไม่อยู่นอกช่วงค่าเกณฑ์อนุโลมสูงสุดของมาตรฐานคุณภาพน้ำบาดาลที่เขตรัฐคือ 6.5-9.2

**Sampled By :** Wanlop Hunchainaow

Remark :

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)

Technical Management

*N. Banchongkit*

Narumon Banchongkit

Supervisor

ทะเบียนเลขที่ ว-323-จ-9445

Approved by

*D. Changchon*

Dej Changchon

Senior Manager

ทะเบียนเลขที่ ว-323-ค-9442

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**P/O :** RJN-BW-012/65

**Project Name :** Chonburi Bowin

**Project Location :**

**TESTING**

**No.0009**

**Lot ID: 22100624**

Date Received : Oct 24, 2022

Date Reported : Nov 03, 2022

Report Number : 2480777-2

Page 1 of 1

**Sample Number** 22100624-5  
**Sampled Date** Oct 24, 2022 2:20 PM  
**Sample Description** Underground Water  
**Location** ม.4 บ้านพันเสด็จใน  
**Date Analysis Commenced** Oct 25, 2022  
**Condition of Sample** Contained in two glass vials and six plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Metals Testing</b>							
Arsenic	mg/L	0.0003	0.0005	0.005	0.1	Based on APHA (2017), 3125	Bangkok
Barium	mg/L	0.0003	0.0005	0.22	160	Based on APHA (2017), 3125	Bangkok
Cadmium	mg/L	0.0003	0.0005	Not Detected	2.0	Based on APHA (2017), 3125	Bangkok
Hexavalent Chromium	mg/L	0.003	0.01	Not Detected	6.0	Based on APHA (2017), 3500-Cr (B)	Bangkok
Lead	mg/L	0.0003	0.0005	Not Detected	4.0	Based on APHA (2017), 3125	Bangkok
Manganese	mg/L	0.0003	0.0005	0.17	33	Based on APHA (2017), 3125	Bangkok
Mercury *	mg/L	0.0001	0.0005	Not Detected	0.7	Based on APHA (2017), 3112	Bangkok
Nickel	mg/L	0.0003	0.0005	0.003	5.0	Based on APHA (2017), 3125	Bangkok
Selenium	mg/L	0.0003	0.0005	0.001	12	Based on APHA (2017), 3125	Bangkok
Silver	mg/L	0.0003	0.0005	Not Detected	12	Based on APHA (2017), 3125	Bangkok
Trivalent Chromium *	mg/L	-	0.01	<0.01	40	Based on APHA (2017), Calculated	Bangkok
Zinc	mg/L	0.003	0.005	0.02	10	Based on APHA (2017), 3125	Bangkok

**Guideline :** Notification of the Ministry of Industry B.E. 2559 (2016) on Soil and Groundwater Contamination Criteria, Monitoring of Soil and Groundwater Quality, Report Submission and Report Preparation of Soil and Groundwater Quality, and Proposal Report of Soil and Groundwater Controlling and Reduction Measures

**Sampled By :** Wanlop Hunchainaow

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**Technical Management**

*Sawitree N.*

Sawitree Noisangiam  
Manager

ทะเบียนเลขที่ ว-204-จ-4709

**Approved by**

*Kanok Korn Anek*

Kanok Korn Anek  
Senior Manager

ทะเบียนเลขที่ ว-204-ค-6111

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## Analysis / Test Report

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168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 2230

**P/O** : RJN-BW-012/65

**Project Name** : Chonburi Bowin

**Project Location** :

**TESTING**

**No.0009**

**Lot ID: 22100624**

Date Received : Oct 24, 2022

Date Reported : Nov 03, 2022

Report Number : 2480777-3

Page 1 of 1

<b>Sample Number</b>	22100624-5
<b>Sampled Date</b>	Oct 24, 2022 2:20 PM
<b>Sample Description</b>	Underground Water
<b>Location</b>	ม.4 บ้านพันเสด็จใน
<b>Date Analysis Commenced</b>	Oct 25, 2022
<b>Condition of Sample</b>	Contained in two glass vials and six plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Metals Testing</b>							
Aluminium	mg/L	0.003	0.005	Not Detected	No Standard	Based on APHA (2017), 3125	Bangkok
Copper	mg/L	0.0003	0.0005	0.003	No Standard	Based on APHA (2017), 3125	Bangkok
Iron	mg/L	0.003	0.005	0.01	No Standard	Based on APHA (2017), 3125	Bangkok
<b>Microbiological Testing</b>							
<i>Escherichia coli</i>	MPN/100mL	-	-	<1.8	No Standard	APHA (2017), 9221 F	Bangkok
<b>Water Testing</b>							
Chloride as Cl *	mg/L	0.5	1	34.7	No Standard	Based on APHA (2017), 4500-Cl(B)	Rayong
Color *	Color unit	-	5	<5	No Standard	APHA (2017), 2120 B	Rayong
Fluoride *	mg/L	-	0.2	0.3	No Standard	APHA (2017), 4500-F(C)	Rayong
Nitrate as N *	mg/L	0.015	0.05	1.10	No Standard	Based on APHA (2017), 4500-NO3(E)	Rayong
Permanent Hardness as CaCO <sub>3</sub> *	mg/L	-	1	24	No Standard	Based on APHA (2017), 2320 B	Bangkok
Sulfate *	mg/L	0.6	2	34.4	No Standard	Based on APHA (2017), 4500-SO4(E)	Rayong
Total Alkalinity as CaCO <sub>3</sub> *	mg/L	-	1	61	No Standard	Based on APHA (2017), 2320 B	Bangkok
Total Dissolved Solids Dried at 180 degree C *	mg/L	-	5	238	No Standard	APHA (2017), 2540 C	Rayong
Total Hardness as CaCO <sub>3</sub> *	mg/L	-	1	84	No Standard	APHA (2017), 2340 C	Bangkok
Turbidity *	NTU	-	0.1	0.2	No Standard	Based on APHA (2017), 2130 B	Rayong

**Guideline** : Notification of the Ministry of Industry B.E. 2559 (2016) on Soil and Groundwater Contamination Criteria, Monitoring of Soil and Groundwater Quality, Report Submission and Report Preparation of Soil and Groundwater Quality, and Proposal Report of Soil and Groundwater Controlling and Reduction Measures

**Sampled By** : Wanlop Hunchainaow

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Approved by

*Sawitree N.*

Sawitree Noisangiam  
Manager

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168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

**P/O :** RJN-BW-012/65

**Project Name :** Chonburi Bowin

**Project Location :**

**Lot ID: 22100624**

Date Received : Oct 24, 2022

Date Reported : Nov 03, 2022

Report Number : 2480778-1

Page 1 of 1

<b>Sample Number</b>	22100624-6
<b>Sampled Date</b>	Oct 24, 2022 2:47 PM
<b>Sample Description</b>	Underground Water
<b>Location</b>	ม.10 บ้านเจ้าพระยา
<b>Date Analysis Commenced</b>	Oct 25, 2022
<b>Condition of Sample</b>	Contained in two glass vials and six plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Water Testing</b>							
pH at 25 degree C		-	-	6.6	6.5-9.2 (I)	Based on APHA (2017), 4500-H (B)	Rayong

**Guideline :** Notification of the Ministry of Industry B.E. 2559 (2016) on Soil and Groundwater Contamination Criteria, Monitoring of Soil and Groundwater Quality, Report Submission and Report Preparation of Soil and Groundwater Quality, and Proposal Report of Soil and Groundwater Controlling and Reduction Measures

(I): ในกรณีที่มีการปนเปื้อนของกรดหรือด่างให้เปรียบเทียบผลวิเคราะห์ค่าพีเอชจากจุดเก็บตัวอย่างบ่อน้ำที่ใช้ในการติดตามตรวจสอบการปนเปื้อนกับผลวิเคราะห์จากจุดเก็บตัวอย่างบ่อน้ำที่เป็นบ่ออ้างอิงบนทิศทางไหลของน้ำใต้ดินในพื้นที่ โดยค่าพีเอชที่เปลี่ยนแปลงจะต้องไม่เกินหนึ่งระดับ และไม่อยู่นอกช่วงค่าเกณฑ์อนุโลมสูงสุดของมาตรฐานคุณภาพน้ำบาดาลที่เขตรัฐคือ 6.5-9.2

**Sampled By :** Wanlop Hunchainaow

Remark :

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- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)

Technical Management

*N. Banchongkit*

Narumon Banchongkit

Supervisor

ทะเบียนเลขที่ ว-323-จ-9445

Approved by

*D. Changchon*

Dej Changchon

Senior Manager

ทะเบียนเลขที่ ว-323-ค-9442

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**Client :** Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 20230

**P/O :** RJN-BW-012/65

**Project Name :** Chonburi Bowin

**Project Location :**

**TESTING**

**No.0009**

**Lot ID: 22100624**

Date Received : Oct 24, 2022

Date Reported : Nov 03, 2022

Report Number : 2480778-2

Page 1 of 1

<b>Sample Number</b>	22100624-6
<b>Sampled Date</b>	Oct 24, 2022 2:47 PM
<b>Sample Description</b>	Underground Water
<b>Location</b>	น.10 บ้านเจ้าพระยา
<b>Date Analysis Commenced</b>	Oct 25, 2022
<b>Condition of Sample</b>	Contained in two glass vials and six plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Metals Testing</b>							
Arsenic	mg/L	0.0003	0.0005	0.003	0.1	Based on APHA (2017), 3125	Bangkok
Barium	mg/L	0.0003	0.0005	0.43	160	Based on APHA (2017), 3125	Bangkok
Cadmium	mg/L	0.0003	0.0005	Not Detected	2.0	Based on APHA (2017), 3125	Bangkok
Hexavalent Chromium	mg/L	0.003	0.01	Not Detected	6.0	Based on APHA (2017), 3500-Cr (B)	Bangkok
Lead	mg/L	0.0003	0.0005	0.0005	4.0	Based on APHA (2017), 3125	Bangkok
Manganese	mg/L	0.0003	0.0005	0.06	33	Based on APHA (2017), 3125	Bangkok
Mercury *	mg/L	0.0001	0.0005	Not Detected	0.7	Based on APHA (2017), 3112	Bangkok
Nickel	mg/L	0.0003	0.0005	0.001	5.0	Based on APHA (2017), 3125	Bangkok
Selenium	mg/L	0.0003	0.0005	Not Detected	12	Based on APHA (2017), 3125	Bangkok
Silver	mg/L	0.0003	0.0005	Not Detected	12	Based on APHA (2017), 3125	Bangkok
Trivalent Chromium *	mg/L	-	0.01	<0.01	40	Based on APHA (2017), Calculated	Bangkok
Zinc	mg/L	0.003	0.005	0.02	10	Based on APHA (2017), 3125	Bangkok

**Guideline :** Notification of the Ministry of Industry B.E. 2559 (2016) on Soil and Groundwater Contamination Criteria, Monitoring of Soil and Groundwater Quality, Report Submission and Report Preparation of Soil and Groundwater Quality, and Proposal Report of Soil and Groundwater Controlling and Reduction Measures

**Sampled By :** Wanlop Hunchainaow

Remark :

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked \* is/are not included in scope of Accreditation ISO/IEC 17025.
- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

**Technical Management**

*Savitree N.*

Savitree Noisangiam  
Manager

ทะเบียนเลขที่ ว-204-จ-4709

**Approved by**

*Kanok Korn Anek*

Kanok Korn Anek  
Senior Manager

ทะเบียนเลขที่ ว-204-ค-6111

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Life Sciences

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## Analysis / Test Report

**Client** : Rojana Industrial Park Public Co., Ltd.  
168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi Thailand 2230

**P/O** : RJN-BW-012/65

**Project Name** : Chonburi Bowin

**Project Location** :

**TESTING**

**No.0009**

**Lot ID: 22100624**

Date Received : Oct 24, 2022

Date Reported : Nov 03, 2022

Report Number : 2480778-3

Page 1 of 1

<b>Sample Number</b>	22100624-6
<b>Sampled Date</b>	Oct 24, 2022 2:47 PM
<b>Sample Description</b>	Underground Water
<b>Location</b>	น.10 บ้านเจ้าพระยา
<b>Date Analysis Commenced</b>	Oct 25, 2022
<b>Condition of Sample</b>	Contained in two glass vials and six plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Metals Testing</b>							
Aluminium	mg/L	0.003	0.005	0.02	No Standard	Based on APHA (2017), 3125	Bangkok
Copper	mg/L	0.0003	0.0005	0.006	No Standard	Based on APHA (2017), 3125	Bangkok
Iron	mg/L	0.003	0.005	0.01	No Standard	Based on APHA (2017), 3125	Bangkok
<b>Microbiological Testing</b>							
<i>Escherichia coli</i>	MPN/100mL	-	-	49.0	No Standard	APHA (2017), 9221 F	Bangkok
<b>Water Testing</b>							
Chloride as Cl *	mg/L	0.5	1	27.6	No Standard	Based on APHA (2017), 4500-Cl(B)	Rayong
Color *	Color unit	-	5	<5	No Standard	APHA (2017), 2120 B	Rayong
Fluoride *	mg/L	-	0.2	<0.2	No Standard	APHA (2017), 4500-F(C)	Rayong
Nitrate as N *	mg/L	0.015	0.05	27.0	No Standard	Based on APHA (2017), 4500-NO3(E)	Rayong
Permanent Hardness as CaCO <sub>3</sub> *	mg/L	-	1	88	No Standard	Based on APHA (2017), 2320 B	Bangkok
Sulfate *	mg/L	0.6	2	14.4	No Standard	Based on APHA (2017), 4500-SO4(E)	Rayong
Total Alkalinity as CaCO <sub>3</sub> *	mg/L	-	1	66	No Standard	Based on APHA (2017), 2320 B	Bangkok
Total Dissolved Solids Dried at 180 degree C *	mg/L	-	5	352	No Standard	APHA (2017), 2540 C	Rayong
Total Hardness as CaCO <sub>3</sub> *	mg/L	-	1	153	No Standard	APHA (2017), 2340 C	Bangkok
Turbidity *	NTU	-	0.1	0.8	No Standard	Based on APHA (2017), 2130 B	Rayong

**Guideline** : Notification of the Ministry of Industry B.E. 2559 (2016) on Soil and Groundwater Contamination Criteria, Monitoring of Soil and Groundwater Quality, Report Submission and Report Preparation of Soil and Groundwater Quality, and Proposal Report of Soil and Groundwater Controlling and Reduction Measures

**Sampled By** : Wanlop Hunchainaow

**Remark** :

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked \* is/are not included in scope of Accreditation ISO/IEC 17025.
- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Approved by

*Sawitree N.*

Sawitree Noisangiam  
Manager

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ภาคผนวก ค-6

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ผลการศึกษาทรัพยากรชีวภาพทางน้ำ



สถานีวิจัยประมงศรีราชา  
101/12 หมู่ 9 ต. บางพระ  
อ. ศรีราชา จ. ชลบุรี 20110  
โทร./โทรสาร. (038) 311379

Client : Rojana Industrial Park Public Co., Ltd.

Address : 168 Moo 4 Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi, Thailand, 20230

Project Name : Chonburi Bowin

รายงานผลการวิเคราะห์แพลงก์ตอนพืช

ตาราง ผลการวิเคราะห์แพลงก์ตอนพืช (เก็บตัวอย่างวันที่ 28 ตุลาคม 2565)

ชนิดแพลงก์ตอนพืช	ปริมาณแพลงก์ตอนพืช (หน่วยต่อลูกบาศก์เมตร)				
	22109468-1	22109468-2	22109468-3	22109468-4	22109468-5
<b>Division Cyanophyta</b>					
<b>Class Cyanophyceae</b>					
<b>Order Chroococcales</b>					
<b>Family Chroococcaceae</b>					
1. <i>Merismopedia convoluta</i>	-	-	-	64,000	-
2. <i>Microcystis aeruginosa</i>	40,000	-	274,000	36,000	-
<b>Order Nostocales</b>					
<b>Family Oscillatoriaceae</b>					
3. <i>Lyngbya</i> sp.	16,000	10,000	-	-	-
4. <i>Oscillatoria princeps</i>	-	30,000	8,000	-	-
5. <i>Oscillatoria</i> sp.	284,000	81,000	76,000	146,000	41,000
6. <i>Oscillatoria tenuis</i>	32,000	51,000	106,000	27,000	25,000
7. <i>Spirulina platensis</i>	8,000	-	-	-	-
8. <i>Spirulina</i> sp.	-	-	15,000	46,000	-



ตาราง ผลการวิเคราะห์แพลงก์ตอนพืช (เก็บตัวอย่างวันที่ 28 ตุลาคม 2565)

(ต่อ)

ชนิดแพลงก์ตอนพืช	ปริมาณแพลงก์ตอนพืช (หน่วยต่อลูกบาศก์เมตร)				
	22109468-1	22109468-2	22109468-3	22109468-4	22109468-5
<b>Family Nostocaceae</b>					
9. <i>Anabaena</i> sp.	-	20,000	23,000	-	-
10. <i>Raphidiopsis</i> sp.	474,000	40,000	137,000	182,000	-
<b>Family Rivulariaceae</b>					
11. <i>Calothrix</i> sp.	-	71,000	-	55,000	17,000
<b>Division Chlorophyta</b>					
<b>Class Chlorophyceae</b>					
<b>Order Volvocales</b>					
<b>Family Volvocaceae</b>					
12. <i>Eudorina elegans</i>	24,000	-	23,000	64,000	-
13. <i>Pandorina morum</i>	55,000	-	68,000	36,000	8,000
<b>Family Spondylomoraceae</b>					
14. <i>Spondylomorom quarternarium</i>	-	-	23,000	-	-
<b>Order Chlorococcales</b>					
<b>Family Hydrodictyaceae</b>					
15. <i>Pediastrum duplex</i>	-	-	-	8,000	8,000
16. <i>Pediastrum simplex</i>	158,000	-	68,000	73,000	-
<b>Family Coelastraceae</b>					
17. <i>Coelastrum microporum</i>	-	-	30,000	-	-
18. <i>Coelastrum sphaericum</i>	15,000	-	61,000	-	-
<b>Family Oocystaceae</b>					
19. <i>Ankistrodesmus falcatus</i>	-	-	182,000	-	-
20. <i>Kirchneriella lunaris</i>	40,000	-	15,000	-	17,000
21. <i>Planktosphaeria gelatinosa</i>	-	-	-	18,000	-
22. <i>Selenastrum gracile</i>	24,000	-	15,000	-	-
23. <i>Tetraedron gracile</i>	79,000	-	38,000	27,000	-

ตาราง ผลการวิเคราะห์แฟลงก์ตอนพืช (เก็บตัวอย่างวันที่ 28 ตุลาคม 2565)

(ต่อ)

ชนิดแฟลงก์ตอนพืช	ปริมาณแฟลงก์ตอนพืช (หน่วยต่อลูกบาศก์เมตร)				
	22109468-1	22109468-2	22109468-3	22109468-4	22109468-5
<b>Family Scenedesmaceae</b>					
24. <i>Micractinium</i> sp.	-	-	53,000	-	-
25. <i>Scenedesmus arcautus</i>	32,000	10,000	-	-	-
26. <i>Scenedesmus armatus</i>	87,000	-	2,432,000	1,274,000	1,980,000
27. <i>Scenedesmus dimorphus</i>	-	-	23,000	27,000	-
28. <i>Scenedesmus opoliensis</i>	24,000	-	7,752,000	4,277,000	10,725,000
29. <i>Scenedesmus</i> sp.	16,000	40,000	-	-	-
<b>Order Ulotrichales</b>					
<b>Family Ulotrichaceae</b>					
30. <i>Geminella</i> sp.	-	-	-	18,000	-
31. <i>Ulothrix</i> sp.	40,000	-	-	27,000	-
<b>Order Zygematales</b>					
<b>Family Desmidiaceae</b>					
32. <i>Closterium acerosum</i>	8,000	-	8,000	-	-
33. <i>Closterium ehrenbergii</i>	24,000	10,000	8,000	36,000	41,000
34. <i>Closterium gracile</i>	16,000	-	-	-	17,000
35. <i>Cosmarium</i> sp.	47,000	20,000	-	27,000	-
36. <i>Pleurotaenium</i> sp.	-	20,000	-	-	-
37. <i>Staurastrum gracile</i>	87,000	-	-	18,000	-
38. <i>Staurastrum</i> sp.	87,000	-	-	-	-
<b>Class Euglenophyceae</b>					
<b>Order Euglenales</b>					
<b>Family Euglenaceae</b>					
39. <i>Euglena acus</i>	166,000	51,000	76,000	64,000	33,000
40. <i>Euglena oxyuris</i>	16,000	81,000	-	9,000	8,000
41. <i>Euglena splendens</i>	-	-	23,000	-	-
42. <i>Euglena viridis</i>	63,000	40,000	46,000	36,000	-

ตาราง ผลการวิเคราะห์แพลงก์ตอนพืช (เก็บตัวอย่างวันที่ 28 ตุลาคม 2565)

(ต่อ)

ชนิดแพลงก์ตอนพืช	ปริมาณแพลงก์ตอนพืช (หน่วยต่อลูกบาศก์เมตร)				
	22109468-1	22109468-2	22109468-3	22109468-4	22109468-5
43. <i>Lepocinclis ovum</i>	5,293,000	525,000	1,216,000	437,000	132,000
44. <i>Phacus angulatus</i>	-	-	-	-	25,000
45. <i>Phacus hamatus</i>	95,000	61,000	46,000	46,000	-
46. <i>Phacus longicauda</i>	24,000	20,000	30,000	9,000	-
47. <i>Phacus myersi</i>	32,000	121,000	38,000	-	-
48. <i>Phacus platalea</i>	-	-	8,000	-	-
49. <i>Phacus pleuronectes</i>	32,000	-	15,000	27,000	8,000
50. <i>Phacus ranula</i>	40,000	-	8,000	-	17,000
51. <i>Phacus</i> sp.	40,000	-	38,000	9,000	33,000
52. <i>Phacus stokesii</i>	8,000	-	-	-	-
53. <i>Phacus suecicus</i>	-	-	-	-	8,000
54. <i>Phacus tortus</i>	47,000	20,000	8,000	-	-
55. <i>Strombomonas australica</i>	47,000	-	30,000	-	-
56. <i>Strombomonas girardiana</i>	16,000	-	30,000	36,000	-
57. <i>Strombomonas fluviatilis</i>	-	-	-	18,000	-
58. <i>Trachelomonas crebea</i>	24,000	10,000	-	-	-
59. <i>Trachelomonas hispida</i>	55,000	111,000	-	-	8,000
60. <i>Trachelomonas lacustris</i>	-	30,000	-	-	-
61. <i>Trachelomonas mirabilis</i>	-	-	-	-	8,000
62. <i>Trachelomonas volzii</i>	-	-	8,000	-	-
<b>Division Chromophyta</b>					
<b>Class Bacillariophyceae</b>					
<b>Order Biddulphiales</b>					
<b>Suborder Coscinodiscineae</b>					
<b>Family Thalassiosiraceae</b>					
63. <i>Cyclotella stelligera</i>	71,000	71,000	53,000	82,000	99,000

ตาราง ผลการวิเคราะห์แพลงก์ตอนพืช (เก็บตัวอย่างวันที่ 28 ตุลาคม 2565)

(ต่อ)

ชนิดแพลงก์ตอนพืช	ปริมาณแพลงก์ตอนพืช (หน่วยต่อลูกบาศก์เมตร)				
	22109468-1	22109468-2	22109468-3	22109468-4	22109468-5
<b>Family Aulacoseiraceae</b>					
64. <i>Aulacoseira baicalensis</i>	1,264,000	40,000	684,000	364,000	-
65. <i>Aulacoseira granulata</i>	1,343,000	20,000	608,000	400,000	25,000
<b>Suborder Rhizosoleniineae</b>					
<b>Family Rhizosoleniaceae</b>					
66. <i>Rhizosolenia pungens</i>	-	-	-	-	8,000
<b>Order Bacillariales</b>					
<b>Suborder Fragilariineae</b>					
<b>Family Fragilariaceae</b>					
67. <i>Fragilaria capucina</i>	63,000	727,000	144,000	91,000	-
68. <i>Synedra acus</i>	166,000	-	152,000	18,000	-
69. <i>Synedra rumpens</i>	55,000	30,000	30,000	36,000	66,000
70. <i>Synedra ulna</i>	16,000	121,000	-	73,000	74,000
<b>Family Tabellariaceae</b>					
71. <i>Tabellaria fenestrata</i>	-	-	30,000	55,000	-
<b>Suborder Bacillariineae</b>					
<b>Family Eunotiaceae</b>					
72. <i>Eunotia pectinalis</i>	16,000	30,000	8,000	127,000	8,000
<b>Family Achnanthaceae</b>					
73. <i>Cocconeis</i> sp.	8,000	-	-	-	-
<b>Family Cymbellaceae</b>					
74. <i>Gomphonema parvulum</i>	24,000	91,000	23,000	-	-
<b>Family Naviculaceae</b>					
75. <i>Amphora</i> sp.	-	-	8,000	-	-
76. <i>Gyrosigma attenuatum</i>	16,000	-	61,000	36,000	41,000
77. <i>Gyrosigma balticum</i>	-	-	-	27,000	-
78. <i>Gyrosigma</i> sp.	-	10,000	-	-	-

ตาราง ผลการวิเคราะห์แพลงก์ตอนพืช (เก็บตัวอย่างวันที่ 28 ตุลาคม 2565)

(ต่อ)

ชนิดแพลงก์ตอนพืช	ปริมาณแพลงก์ตอนพืช (หน่วยต่อลูกบาศก์เมตร)				
	22109468-1	22109468-2	22109468-3	22109468-4	22109468-5
79. <i>Navicula cuspidata</i>	16,000	51,000	-	-	17,000
80. <i>Navicula lanceolata</i>	71,000	162,000	46,000	55,000	25,000
81. <i>Navicula</i> sp.	40,000	152,000	-	-	-
82. <i>Pinnularia braunii</i>	24,000	81,000	-	46,000	-
83. <i>Pinnularia gibba</i>	47,000	202,000	23,000	36,000	8,000
<b>Family Bacillariaceae</b>					
84. <i>Nitzschia lorenziana</i>	-	20,000	15,000	-	-
85. <i>Nitzschia</i> sp.	-	51,000	-	-	-
<b>Family Rhopalodiaceae</b>					
86. <i>Epithemia argus</i>	-	20,000	-	-	-
<b>Family Surirellaceae</b>					
87. <i>Surirella elegans</i>	16,000	10,000	8,000	9,000	8,000
88. <i>Surirella robusta</i>	79,000	10,000	61,000	146,000	17,000
89. <i>Surirella tenera</i>	-	20,000	23,000	-	8,000
<b>Class Dinophyceae</b>					
<b>Order Gonyaulacales</b>					
<b>Family Ceratiaceae</b>					
90. <i>Ceratium hirundinella</i>	79,000	-	30,000	18,000	33,000
<b>Order Peridiniales</b>					
<b>Family Peridiniaceae</b>					
91. <i>Peridinium cunningtonii</i>	126,000	-	8,000	109,000	-
92. <i>Peridinium gatunense</i>	-	-	-	-	41,000
93. <i>Peridinium penardii</i>	-	-	-	27,000	-
94. <i>Peridinium</i> sp.	134,000	131,000	46,000	291,000	41,000



**ตาราง ผลการวิเคราะห์เพลงก์ตอนพืช** (เก็บตัวอย่างวันที่ 28 ตุลาคม 2565)

(ต่อ)

ชนิดเพลงก์ตอนพืช	ปริมาณเพลงก์ตอนพืช (หน่วยต่อลูกบาศก์เมตร)				
	22109468-1	22109468-2	22109468-3	22109468-4	22109468-5
ชนิดเพลงก์ตอนพืช	61	44	58	51	36
ปริมาณเพลงก์ตอนพืช	11,389,000	3,523,000	15,119,000	9,223,000	13,678,000
ดัชนีความหลากหลายเพลงก์ตอนพืช	2.3155	3.0874	1.9697	2.3218	0.8838
ดัชนีความสม่ำเสมอเพลงก์ตอนพืช	0.5633	0.8159	0.4851	0.5905	0.2466

**Sample Location :**

1. สถานี 22109468-1 : Bio1 : ห้วยมะนาว ก่อนไหลผ่านพื้นที่โครงการ
2. สถานี 22109468-2 : Bio2 : ห้วยสาธารณะ ก่อนไหลผ่านพื้นที่โครงการ
3. สถานี 22109468-3 : Bio3 : ห้วยพันเสด็จ ก่อนไหลผ่านพื้นที่โครงการ
4. สถานี 22109468-4 : Bio4 : ห้วยพันเสด็จ บริเวณจุดระบายน้ำทิ้งของโครงการ
5. สถานี 22109468-5 : Bio5 : ห้วยพันเสด็จ หลังผ่านพื้นที่โครงการ

**Condition of Sample :** contained in one plastic bottle, sample containers comply to pretreatment-preservation standards (APHA, USEPA)



(นางสาวกนกวรรณ ขาวดอน)

ผู้วิเคราะห์



(นายอลงกต อินทรชาติ)

หัวหน้าสถานีวิจัยประมงศรีราชา



สถานีวิจัยประมงศรีราชา

101/12 หมู่ 9 ต. บางพระ

อ. ศรีราชา จ. ชลบุรี 20110

โทร./โทรสาร. (038) 311379

Client : Rojana Industrial Park Public Co., Ltd.

Address : 168 Moo 4 Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi, Thailand, 20230

Project Name : Chonburi Bowin

รายงานผลการวิเคราะห์แพลงก์ตอนสัตว์

ตาราง ผลการวิเคราะห์แพลงก์ตอนสัตว์ (เก็บตัวอย่างวันที่ 28 ตุลาคม 2565)

ชนิดแพลงก์ตอนสัตว์	ปริมาณแพลงก์ตอนสัตว์ (หน่วยต่อลูกบาศก์เมตร)				
	22109468-1	22109468-2	22109468-3	22109468-4	22109468-5
<b>Phylum Protozoa</b>					
<b>Subphylum Plasmodroma</b>					
<b>Class Sarcodina</b>					
<b>Subclass Rhizopoda</b>					
<b>Order Testacida</b>					
<b>Family Arcellidae</b>					
1. <i>Arcella</i> sp.	40,000	30,000	76,000	-	8,000
2. <i>Arcella vulgaris</i>	32,000	61,000	53,000	73,000	83,000
<b>Family Diffugiidae</b>					
3. <i>Centropyxis aculeata</i>	-	-	-	-	17,000
4. <i>Diffugia</i> sp.	-	-	-	18,000	17,000
<b>Family Euglyphidae</b>					
5. <i>Euglypha acanthophora</i>	32,000	20,000	-	9,000	-
6. <i>Euglypha rotunda</i>	16,000	51,000	53,000	-	25,000
7. <i>Euglypha</i> sp.	-	-	-	-	25,000

ตาราง ผลการวิเคราะห์แฟลงก์ตอนสัตว์ (เก็บตัวอย่างวันที่ 28 ตุลาคม 2565)  
(ต่อ)

ชนิดแฟลงก์ตอนสัตว์	ปริมาณแฟลงก์ตอนสัตว์ (หน่วยต่อลูกบาศก์เมตร)				
	22109468-1	22109468-2	22109468-3	22109468-4	22109468-5
<b>Subphylum Ciliophora</b>					
<b>Class Ciliata</b>					
<b>Subclass Holotricha</b>					
<b>Order Gymnostomatida</b>					
8. <i>Coleps</i> sp.	16,000	10,000	8,000	-	8,000
9. <i>Didinium</i> sp.	8,000	-	15,000	9,000	-
<b>Order Hymenostomatida</b>					
10. <i>Paramecium</i> sp.	-	51,000	-	9,000	17,000
<b>Subclass Spirtricha</b>					
<b>Order Hypotrichida</b>					
11. <i>Euplotes</i> sp.	-	10,000	-	9,000	-
<b>Subclass Peritricha</b>					
<b>Order Peritrichida</b>					
12. <i>Pyxicola</i> sp.	-	-	15,000	9,000	-
13. <i>Vorticella</i> sp.	8,000	30,000	38,000	-	25,000
<b>Phylum Rotifera</b>					
<b>Class Monogononta</b>					
<b>Order Ploima</b>					
<b>Family Brachionidae</b>					
14. <i>Anuraeopsis coelata</i>	-	-	-	-	8,000
15. <i>Anuraeopsis fissa</i>	16,000	-	15,000	18,000	8,000
16. <i>Brachionus angularis</i>	8,000	212,000	-	64,000	-
17. <i>Brachionus plicatilis</i>	-	20,000	-	-	-
18. <i>Colurella obtusa</i>	-	-	23,000	-	8,000
19. <i>Keratella cochlearis</i>	-	-	-	9,000	-
20. <i>Machrochaetus</i> sp.	-	-	-	9,000	-

ตาราง ผลการวิเคราะห์แพลงก์ตอนสัตว์ (เก็บตัวอย่างวันที่ 28 ตุลาคม 2565)  
(ต่อ)

ชนิดแพลงก์ตอนสัตว์	ปริมาณแพลงก์ตอนสัตว์ (หน่วยต่อลูกบาศก์เมตร)				
	22109468-1	22109468-2	22109468-3	22109468-4	22109468-5
<b>Family Lecanidae</b>					
21. <i>Lecane</i> sp.	-	10,000	23,000	9,000	8,000
<b>Family Notommatidae</b>					
22. <i>Cephalodella forficula</i>	-	293,000	15,000	9,000	-
23. <i>Cephalodella gibba</i>	8,000	10,000	8,000	36,000	17,000
24. <i>Cephalodella</i> sp.	16,000	-	-	-	-
<b>Family Tricercidae</b>					
25. <i>Trichocerca pusilla</i>	8,000	10,000	-	18,000	25,000
<b>Family Gastropodidae</b>					
26. <i>Asscomorpha ecaudis</i>	16,000	-	-	9,000	-
<b>Family Asplanchnidae</b>					
27. <i>Asplanchna priodonta</i>	8,000	51,000	23,000	9,000	33,000
28. <i>Asplanchna</i> sp.	-	-	-	9,000	-
<b>Family Synchaetidae</b>					
29. <i>Polyarthra dolichoptera</i>	24,000	40,000	-	9,000	-
30. <i>Polyarthra vulgaris</i>	-	-	-	9,000	-
31. <i>Synchaeta tremula</i>	-	-	-	9,000	8,000
<b>Order Flosculariacea</b>					
<b>Family Testudinellidae</b>					
32. <i>Filinia terminalis</i>	-	869,000	53,000	91,000	-
<b>Phylum Arthropoda</b>					
<b>Class Crustacea</b>					
<b>Subclass Ostracoda</b>					
<b>Order Podocopa</b>					
<b>Family Cypridae</b>					
33. <i>Cypridopsis</i> sp.	8,000	-	-	9,000	-

ตาราง ผลการวิเคราะห์แพลงก์ตอนสัตว์ (เก็บตัวอย่างวันที่ 28 ตุลาคม 2565)

(ต่อ)

ชนิดแพลงก์ตอนสัตว์	ปริมาณแพลงก์ตอนสัตว์ (หน่วยต่อลูกบาศก์เมตร)				
	22109468-1	22109468-2	22109468-3	22109468-4	22109468-5
Subclass Copepoda					
34. Copepod nauplii	8,000	-	-	18,000	-
ชนิดแพลงก์ตอนสัตว์	17	17	14	24	17
ปริมาณแพลงก์ตอนสัตว์	272,000	1,778,000	418,000	480,000	340,000
ดัชนีความหลากหลายแพลงก์ตอนสัตว์	2.6627	1.7917	2.4213	2.7501	2.5550
ดัชนีความสม่ำเสมอแพลงก์ตอนสัตว์	0.9398	0.6324	0.9175	0.8653	0.9018

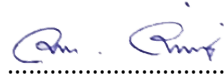
**Sample Location :**

1. สถานี 22109468-1 : Bio1 : ห้วยมะนาว ก่อนไหลผ่านพื้นที่โครงการ
2. สถานี 22109468-2 : Bio2 : ห้วยสาธารณะ ก่อนไหลผ่านพื้นที่โครงการ
3. สถานี 22109468-3 : Bio3 : ห้วยพันเสด็จ ก่อนไหลผ่านพื้นที่โครงการ
4. สถานี 22109468-4 : Bio4 : ห้วยพันเสด็จ บริเวณจุดระบายน้ำทิ้งของโครงการ
5. สถานี 22109468-5 : Bio5 : ห้วยพันเสด็จ หลังผ่านพื้นที่โครงการ

**Condition of Sample :** contained in one plastic bottle, sample containers comply to pretreatment-preservation standards (APHA, USEPA)



(นางสาวกนกวรรณ ขาวค่อน)  
ผู้วิเคราะห์



(นายอลงกต อินทรชาติ)  
หัวหน้าสถานีวิจัยประมงศรีราชา





สถานีวิจัยประมงศรีราชา

101/12 หมู่ 9 ต. บางพระ อ. ศรีราชา จ. ชลบุรี 20110

โทร./โทรสาร. (038) 311379

Client : Rojana Industrial Park Public Co., Ltd.

Address : 168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi, Thailand, 20230

Project Name : Chonburi Bowin

### รายงานผลการวิเคราะห์สัตว์น้ำ

ตาราง ผลการวิเคราะห์สัตว์น้ำ (Aquatic animal) (เก็บตัวอย่างเมื่อวันที่ 28 ตุลาคม 2565)

ชนิดสัตว์น้ำ	ปริมาณสัตว์น้ำ (ตัวต่อตารางเมตร)					ช่วงขนาด (ซม.)	น้ำหนักรวม (กรัม)
	22109468-1	22109468-2	22109468-3	22109468-4	22109468-5		
Phylum Chordata							
Class Actinopterygii							
Order Anabantiformes							
Family Osphronemidae							
<i>Trichopodus trichopterus</i> (ปลากระดี่หม้อ)	5	2	1	-	3	6.70-9.50	71.00

ตาราง ผลการวิเคราะห์สัตว์น้ำ (Aquatic animal) (เก็บตัวอย่างเมื่อวันที่ 28 ตุลาคม 2565) (ต่อ)

ชนิดสัตว์น้ำ	ปริมาณสัตว์น้ำ (ตัวต่อตารางเมตร)					ช่วงขนาด (ซม.)	น้ำหนักรวม (กรัม)
	22109468-1	22109468-2	22109468-3	22109468-4	22109468-5		
<b>Order Cichliformes</b>							
<b>Family Cichlidae</b>							
<i>Oreochromis niloticus</i> (ปลานิล)	-	5	2	1	-	4.00-6.80	21.00
<b>Order Cypriniformes</b>							
<b>Family Cyprinidae</b>							
<i>Esomus metallicus</i> (ปลาชีวนวดขาว)	-	2	-	-	1	6.60-7.30	9.00
<i>Puntius brevis</i> (ปลาคะเพียนทราย)	3	1	-	2	2	7.20-9.00	55.00
<i>Rasbora paviana</i> (ปลาชีวกวายนแถบดำ)	-	-	1	-	2	5.40-11.10	19.00
<i>Systomus rubripinnus</i> (ปลาแก้มขี้)	1	-	-	-	-	12.70	58.00
<b>Order Perciformes</b>							
<b>Family Ambassidae</b>							
<i>Parambassis siamensis</i> (ปลาแป้นแก้ว)	-	-	2	1	-	3.80-4.10	3.00
<b>Order Synbranchiformes</b>							
<b>Family Mastacembelidae</b>							
<i>Mastacembelus armatus</i> (ปลากะทิง)	-	-	-	-	1	15.00	11.00

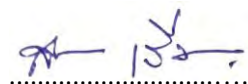
ตาราง ผลการวิเคราะห์สัตว์น้ำ (Aquatic animal) (เก็บตัวอย่างเมื่อวันที่ 28 ตุลาคม 2565) (ต่อ)

ชนิดสัตว์น้ำ	ปริมาณสัตว์น้ำ (ตัวต่อตารางเมตร)					ช่วงขนาด (ซม.)	น้ำหนักรวม (กรัม)
	22109468-1	22109468-2	22109468-3	22109468-4	22109468-5		
ชนิดสัตว์น้ำ	3	4	4	3	5	3.80-15.00	247.00
ปริมาณสัตว์น้ำ	9	10	6	4	9		
ดัชนีความหลากหลายสัตว์น้ำ	0.9369	1.2206	1.3297	1.0397	1.5230		

**Sample Location :**

1. สถานี 22109468-1 : Bio1 : ห้วยมะนาว ก่อนไหลผ่านพื้นที่โครงการ
2. สถานี 22109468-2 : Bio2 : ห้วยสาธารณะ ก่อนไหลผ่านพื้นที่โครงการ
3. สถานี 22109468-3 : Bio3 : ห้วยพันเสด็จ ก่อนไหลผ่านพื้นที่โครงการ
4. สถานี 22109468-4 : Bio4 : ห้วยพันเสด็จ บริเวณจุดระบายน้ำทิ้งของโครงการ
5. สถานี 22109468-5 : Bio5 : ห้วยพันเสด็จ หลังผ่านพื้นที่โครงการ

**Condition of Sample :** fishing gear



(นายสาโรจน์ เร่มดำริห์)  
ผู้วิเคราะห์



(นายอลงกต อินทรชาติ)  
หัวหน้าสถานีวิจัยประมงศรีราชา



สถานีวิจัยประมงศรีราชา  
101/12 หมู่ 9 ต. บางพระ  
อ. ศรีราชา จ. ชลบุรี 20110  
โทร./โทรสาร. (038) 311379

Client : Rojana Industrial Park Public Co., Ltd.

Address : 168 Moo 4, Sattahip-Chachoengsao Road., Bowin, Sriracha, Chonburi, Thailand, 20230

Project Name : Chonburi Bowin

รายงานผลการวิเคราะห์สัตว์หน้าดิน

ตาราง ผลการวิเคราะห์สัตว์หน้าดิน (เก็บตัวอย่างวันที่ 28 ตุลาคม 2565)

ชนิดสัตว์หน้าดิน	ปริมาณสัตว์หน้าดิน (ตัวต่อตารางเมตร)				
	22109470-1	22109470-2	22109470-3	22109470-4	22109470-5
<b>Phylum Annelida</b>					
<b>Class Clitellata</b>					
<b>Order Lumbriculida</b>					
<b>Family Lumbriculidae</b>					
<i>Lumbriculus</i> sp. (ไส้เดือนน้ำจืด)	-	445	60	30	-
<b>Order Tubificida</b>					
<b>Family Naididae</b>					
<i>Nais</i> sp. (ไส้เดือนน้ำจืด)	-	75	-	-	-
<i>Tubifex</i> sp. (ไส้เดือนน้ำจืด)	-	-	104	-	-
<b>Phylum Arthropoda</b>					
<b>Class Insecta</b>					
<b>Order Diptera</b>					
<b>Family Chironomidae</b>					
<i>Chironomus</i> sp. (หนอนแดง)	415	89	163	60	252

ตาราง ผลการวิเคราะห์สัตว์หน้าดิน (เก็บตัวอย่างวันที่ 28 ตุลาคม 2565) (ต่อ)

ชนิดสัตว์หน้าดิน	ปริมาณสัตว์หน้าดิน (ตัวต่อตารางเมตร)				
	22109470-1	22109470-2	22109470-3	22109470-4	22109470-5
<b>Family Psychodidae</b> <i>Psychoda</i> sp. (ตัวอ่อนแมลงหัวขี้)	15	-	15	-	-
<b>Order Trichoptera</b>					
<b>Family Hydropsychidae</b> <i>Cheumatopsyche</i> sp. (ตัวอ่อนแมลงหนอนปลอกน้ำ)	-	-	30	-	-
<b>Family Polycentropodidae</b> <i>Polycentropus</i> sp. (ตัวอ่อนแมลงหนอนปลอกน้ำ)	-	-	15	-	-
<b>Class Malacostraca</b>					
<b>Order Decapoda</b>					
<b>Family Gecarcinucidae</b> <i>Somanniathelphusa</i> sp. (ปูลำห้วย)	-	-	15	-	-
<b>Phylum Mollusca</b>					
<b>Class Gastropoda</b>					
<b>Order Architenioglossa</b>					
<b>Family Thiaridae</b> <i>Tarebia</i> sp. (หอยเจดีย์)	-	163	-	-	-
<b>ชนิดสัตว์หน้าดิน</b>	<b>2</b>	<b>4</b>	<b>7</b>	<b>2</b>	<b>1</b>
<b>ปริมาณสัตว์หน้าดิน</b>	<b>430</b>	<b>772</b>	<b>402</b>	<b>90</b>	<b>252</b>
<b>ค่าดัชนีความหลากหลายสัตว์หน้าดิน</b>	<b>0.1513</b>	<b>1.1215</b>	<b>1.5615</b>	<b>0.6365</b>	<b>0.0000</b>

- Sample Location :**
1. สถานี 22109470-1 : Bio1 : ห้วยมะนาว ก่อนไหลผ่านพื้นที่โครงการ
  2. สถานี 22109470-2 : Bio2 : ห้วยสาธารณะ ก่อนไหลผ่านพื้นที่โครงการ
  3. สถานี 22109470-3 : Bio3 : ห้วยพันเสด็จ ก่อนไหลผ่านพื้นที่โครงการ
  4. สถานี 22109470-4 : Bio4 : ห้วยพันเสด็จ บริเวณจุดระบายน้ำทิ้งของโครงการ
  5. สถานี 22109470-5 : Bio5 : ห้วยพันเสด็จ หลังผ่านพื้นที่โครงการ



**Condition of Sample :** contained in one plastic zip bag

อรุณ วัฒนวงศ์

(นายอรุณ วัฒนวงศ์)

ผู้วิเคราะห์

อ. อ. อ. อ.

(นายอลงกต อินทชาติ)

หัวหน้าสถานีวิจัยประมงศรีราชา