

ภาคผนวก ค

เอกสารประกอบการปฏิบัติ
ตามมาตรการติดตามตรวจสอบผลกระทบสิ่งแวดล้อม

ภาคผนวก ค-1

คุณภาพอากาศในบรรยากาศ



Analysis / Test Report



TESTING
No.0009

Client : Asia Industrial Estate Co., Ltd.

49 Soi Pipat (Silom 3) Asia Sermkij Tower, 7th Floor, Silom Road, Bang Rak,
Bangkok Thailand 10500

P/O : สฤทธาจิ

Project Name : Project AIE (Suwanaphumi)

Project Location :

Lot ID: 2358285

Date Received : May 30, 2023

Date Reported : Jun 08, 2023

Report Number: 2657671-1

Page 1 of 1

Sample Description Air Quality
Location A1 : โรงเรียนสหราษฎร์รังสฤษดิ์ (GPS 47P 0707454, 1512900)
Date Analysis Commenced May 31, 2023
Condition of Sample Drawn into one quartz filter paper (8x10 inch) placed in plastic bag and one glass 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)
2358285-1	May 22 - May 23, 2023	0.118	0.049	758	35
2358285-2	May 23 - May 24, 2023	0.100	0.047	758	35
2358285-3	May 24 - May 25, 2023	0.090	0.043	758	29
2358285-4	May 25 - May 26, 2023	0.106	0.048	758	34
2358285-5	May 26 - May 27, 2023	0.115	0.053	758	35
2358285-6	May 27 - May 28, 2023	0.071	0.043	758	32
2358285-7	May 28 - May 29, 2023	0.090	0.042	758	32
Guideline		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 : Autit Aoonsim

Remark :

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

Approved by

Orawan R.

Orawan Rakyong
Scientist (3)

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Analysis / Test Report



TESTING
No.0009

Client : Asia Industrial Estate Co., Ltd.

49 Soi Pipat (Silom 3) Asia Sermkij Tower, 7th Floor, Silom Road, Bang Rak,
Bangkok Thailand 10500

P/O : สฤทธาจิ

Project Name : Project AIE (Suwanaphumi)

Project Location :

Lot ID: 2358285

Date Received : May 30, 2023

Date Reported : Jun 08, 2023

Report Number: 2677440-1

Page 1 of 1

Sample Description Air Quality
Location A2 : โรงพินาศสงเสริมสุขภาพตำบลคลองสวน (GPS 47P 0708252, 1510582)
Date Analysis Commenced May 31, 2023
Condition of Sample Drawn into one quartz filter paper (8x10 inch) placed in plastic bag and one glass 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)
2358285-8	May 22 - May 23, 2023	0.056	0.035	758	35
2358285-9	May 23 - May 24, 2023	0.046	0.034	758	35
2358285-10	May 24 - May 25, 2023	0.045	0.033	758	29
2358285-11	May 25 - May 26, 2023	0.047	0.034	758	34
2358285-12	May 26 - May 27, 2023	0.058	0.041	758	35
2358285-13	May 27 - May 28, 2023	0.046	0.034	758	32
2358285-14	May 28 - May 29, 2023	0.045	0.034	758	32
Guideline		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 : Autit Aoonsim

Remark :

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

Approved by

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Analysis / Test Report



TESTING
No.0009

Client : Asia Industrial Estate Co., Ltd.

49 Soi Pipat (Silom 3) Asia Sermkij Tower, 7th Floor, Silom Road, Bang Rak,
Bangkok Thailand 10500

P/O : สฤตภากร

Project Name : Project AIE (Suwanaphumi)

Project Location :

Lot ID: 2358285

Date Received : May 30, 2023

Date Reported : Jun 08, 2023

Report Number: 2677441-1

Page 1 of 1

Sample Description Air Quality
Location A3 : โรงเรียนธรรมศาสตร์วิทยาคม (GPS 47P 0706046, 1507271)
Date Analysis Commenced May 31, 2023
Condition of Sample Drawn into one quartz filter paper (8x10 inch) placed in plastic bag and one glass 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)
2358285-15	May 22 - May 23, 2023	0.065	0.038	758	35
2358285-16	May 23 - May 24, 2023	0.063	0.028	758	35
2358285-17	May 24 - May 25, 2023	0.044	0.023	758	29
2358285-18	May 25 - May 26, 2023	0.053	0.035	758	34
2358285-19	May 26 - May 27, 2023	0.074	0.044	758	35
2358285-20	May 27 - May 28, 2023	0.049	0.030	758	32
2358285-21	May 28 - May 29, 2023	0.053	0.031	758	32
Guideline		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 : Autit Aoonsim

Remark :

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

Approved by

Orawan R.

Orawan Rakyong
Scientist (3)

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Analysis / Test Report



TESTING
No.0009

Client : Asia Industrial Estate Co., Ltd.

49 Soi Pipat (Silom 3) Asia Sermkij Tower, 7th Floor, Silom Road, Bang Rak,
Bangkok Thailand 10500

P/O : สฤตภากร

Project Name : Project AIE (Suwanaphumi)

Project Location :

Lot ID: 2358285

Date Received : May 30, 2023

Date Reported : Jun 08, 2023

Report Number: 2677443-1

Page 1 of 1

Sample Description Air Quality
Location A4 : โรงเรียนคลองโพธิ์ (เขตกบงนางสาวโพธิ์) (GPS 47P 0704650, 1510409)
Date Analysis Commenced May 31, 2023
Condition of Sample Drawn into one quartz filter paper (8x10 inch) placed in plastic bag and one glass 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)
2358285-22	May 22 - May 23, 2023	0.062	0.036	758	35
2358285-23	May 23 - May 24, 2023	0.053	0.033	758	35
2358285-24	May 24 - May 25, 2023	0.051	0.032	758	29
2358285-25	May 25 - May 26, 2023	0.055	0.036	758	34
2358285-26	May 26 - May 27, 2023	0.057	0.036	758	35
2358285-27	May 27 - May 28, 2023	0.042	0.025	758	32
2358285-28	May 28 - May 29, 2023	0.046	0.030	758	32
Guideline		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 : Autit Aoonsim

Remark :

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

Approved by

Orawan R.

Orawan Rakyong
Scientist (3)

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Analysis / Test Report

Client : Asia Industrial Estate Co., Ltd.

49 Soi Pipat (Silom 3) Asia Sermkij Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500

P/O : สัตยาจำ

Project Name : Project AIE (Suwanaphumi)

Project Location :

Lot ID: 2358283

Date Received : May 30, 2023

Date Reported : Jun 07, 2023

Report Number: 2675844-1

Page 1 of 1

Sample Description Air Quality
Location A1 : โรงเรียนสุภาพพิทยาลัย (GPS 47P 0707454, 1512900)
Parameter Sulfur Dioxide (ppm)
Measurement Date May 22, 2023 - May 29, 2023
Measurement by Autit Aoonsim

Time	2358283-1 May 22, 2023	2358283-2 May 23, 2023	2358283-3 May 24, 2023	2358283-4 May 25, 2023	2358283-5 May 26, 2023	2358283-6 May 27, 2023	2358283-7 May 28, 2023
10:00 AM - 11:00 AM	0.001	<0.001	<0.001	<0.001	<0.001	0.001	0.001
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	0.004	0.003	<0.001	<0.001	<0.001	<0.001	<0.001
01:00 PM - 02:00 PM	0.004	0.004	<0.001	<0.001	0.001	0.001	0.001
02:00 PM - 03:00 PM	0.005	0.004	0.001	0.002	0.002	<0.001	0.001
03:00 PM - 04:00 PM	0.005	0.004	0.001	0.002	0.002	0.001	0.001
04:00 PM - 05:00 PM	0.004	0.003	<0.001	<0.001	0.001	<0.001	0.001
05:00 PM - 06:00 PM	0.003	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	0.002
07:00 PM - 08:00 PM	<0.001	<0.001	<0.001	<0.001	0.001	0.002	0.002
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	0.002
01:00 AM - 02:00 AM	<0.001	<0.001	<0.001	<0.001	<0.001	0.001	0.002
02:00 AM - 03:00 AM	<0.001	<0.001	<0.001	<0.001	0.001	0.001	0.002
03:00 AM - 04:00 AM	<0.001	<0.001	<0.001	<0.001	0.001	0.001	0.002
04:00 AM - 05:00 AM	<0.001	<0.001	<0.001	<0.001	0.001	0.002	0.002
05:00 AM - 06:00 AM	<0.001	<0.001	<0.001	<0.001	0.002	0.002	0.002
06:00 AM - 07:00 AM	<0.001	0.001	0.001	0.001	0.001	0.001	0.002
07:00 AM - 08:00 AM	<0.001	0.001	0.001	<0.001	0.002	0.001	0.002
08:00 AM - 09:00 AM	<0.001	<0.001	<0.001	<0.001	0.002	0.001	0.001
09:00 AM - 10:00 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	0.005	0.004	0.001	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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Approved by

Saranya C.

Saranya Chalermthamrong
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Analysis / Test Report

Client : Asia Industrial Estate Co., Ltd.

49 Soi Pipat (Silom 3) Asia Sermkij Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500

P/O : สัตยาจำ

Project Name : Project AIE (Suwanaphumi)

Project Location :

Lot ID: 2358283

Date Received : May 30, 2023

Date Reported : Jun 07, 2023

Report Number: 2675844-1

Page 1 of 1

Sample Description Air Quality
Location A2 : โรงพ่นยาสูบเสนาธิการตำรวจ (GPS 47P 0708252, 1510582)
Parameter Sulfur Dioxide (ppm)
Measurement Date May 22, 2023 - May 29, 2023
Measurement by Autit Aoonsim

Time	2358283-8 May 22, 2023	2358283-9 May 23, 2023	2358283-10 May 24, 2023	2358283-11 May 25, 2023	2358283-12 May 26, 2023	2358283-13 May 27, 2023	2358283-14 May 28, 2023
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

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Saranya C.

Saranya Chalermthamrong
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Analysis / Test Report

Client : Asia Industrial Estate Co., Ltd.

49 Soi Pipat (Silom 3) Asia Sermkij Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500

P/O : สัตตกุลกิจ

Project Name : Project AIE (Suwanaphumi)

Project Location :

Lot ID: 2358283

Date Received : May 30, 2023

Date Reported : Jun 07, 2023

Report Number: 2657660-1

Page 1 of 1

Sample Description Air Quality

Location A3 : โรงเรือนบรรจุขวดเครื่องดื่ม (GPS 47P 0706046, 1507271)

Parameter Sulfur Dioxide (ppm)

Measurement Date May 22, 2023 - May 29, 2023

Measurement by Autit Aoonsim

Time	2358283-15 May 22, 2023	2358283-16 May 23, 2023	2358283-17 May 24, 2023	2358283-18 May 25, 2023	2358283-19 May 26, 2023	2358283-20 May 27, 2023	2358283-21 May 28, 2023
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	0.002
02:00 PM - 03:00 PM	0.001	0.001	0.001	0.001	0.001	0.001	0.002
03:00 PM - 04:00 PM	0.001	0.001	0.001	0.001	0.001	0.001	0.002
04:00 PM - 05:00 PM	0.001	0.001	0.001	0.001	0.001	0.001	0.002
05:00 PM - 06:00 PM	0.001	0.001	0.001	0.001	0.001	0.001	0.002
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	0.002
10:00 PM - 11:00 PM	0.001	0.001	0.001	0.001	0.001	0.001	0.002
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	0.002
02:00 AM - 03:00 AM	<0.001	0.001	0.001	0.001	0.001	0.001	0.002
03:00 AM - 04:00 AM	0.001	0.001	0.001	0.001	0.001	0.001	0.002
04:00 AM - 05:00 AM	<0.001	0.001	0.001	0.001	0.001	0.001	0.002
05:00 AM - 06:00 AM	0.001	0.001	0.001	0.001	0.001	0.001	0.002
06:00 AM - 07:00 AM	0.001	0.001	0.001	0.001	0.001	0.001	0.002
07:00 AM - 08:00 AM	0.001	0.001	0.001	0.001	0.001	0.001	0.002
08:00 AM - 09:00 AM	0.001	0.001	0.001	0.001	0.001	0.001	0.002
09:00 AM - 10:00 AM	0.001	0.001	0.001	0.001	0.001	0.001	0.002
10:00 AM - 11:00 AM	0.001	0.001	0.001	0.001	0.001	0.001	0.002
11:00 AM - 12:00 PM	0.001	0.001	0.001	0.001	0.001	0.001	0.002
Average	0.001	0.001	0.001	0.001	0.001	0.001	0.002
1hr - Maximum	0.001	0.001	0.001	0.001	0.001	0.001	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 : Asia Industrial Estate Co., Ltd.

49 Soi Pipat (Silom 3) Asia Sermkij Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500

P/O : สัตตกุลกิจ

Project Name : Project AIE (Suwanaphumi)

Project Location :

Lot ID: 2358283

Date Received : May 30, 2023

Date Reported : Jun 07, 2023

Report Number: 2675849-1

Page 1 of 1

Sample Description Air Quality

Location A4 : โรงเรือนทดลองเบร้ง (เผือกนางน่านไร่) (GPS 47P 0704650, 1510409)

Parameter Sulfur Dioxide (ppm)

Measurement Date May 22, 2023 - May 29, 2023

Measurement by Autit Aoonsim

Time	2358283-22 May 22, 2023	2358283-23 May 23, 2023	2358283-24 May 24, 2023	2358283-25 May 25, 2023	2358283-26 May 26, 2023	2358283-27 May 27, 2023	2358283-28 May 28, 2023
01:00 PM - 02:00 PM	0.002	0.002	0.001	0.001	0.001	0.001	0.001
02:00 PM - 03:00 PM	0.003	<0.001	0.001	0.001	0.001	0.001	0.001
03:00 PM - 04:00 PM	0.002	0.001	0.001	0.001	0.001	0.001	0.001
04:00 PM - 05:00 PM	0.002	0.001	0.001	0.001	0.001	0.001	0.001
05:00 PM - 06:00 PM	0.002	0.001	0.001	0.001	0.001	0.001	0.001
06:00 PM - 07:00 PM	0.002	0.001	0.001	0.001	0.001	0.001	0.001
07:00 PM - 08:00 PM	0.002	0.001	0.001	0.001	0.001	0.001	0.001
08:00 PM - 09:00 PM	0.002	0.001	0.001	0.001	0.001	0.001	0.001
09:00 PM - 10:00 PM	0.002	0.001	0.001	0.001	0.001	0.001	0.001
10:00 PM - 11:00 PM	0.002	0.001	0.001	0.001	0.001	0.001	0.001
11:00 PM - 12:00 AM	0.002	0.001	0.001	0.001	0.001	0.001	0.001
12:00 AM - 01:00 AM	0.002	0.001	0.001	0.001	0.001	0.001	0.001
01:00 AM - 02:00 AM	0.002	0.001	0.001	0.001	0.001	0.001	0.001
02:00 AM - 03:00 AM	0.002	0.001	0.001	0.001	0.001	0.001	0.001
03:00 AM - 04:00 AM	0.002	0.001	0.001	0.001	0.001	0.001	0.001
04:00 AM - 05:00 AM	0.002	0.001	0.001	0.001	0.001	0.001	0.001
05:00 AM - 06:00 AM	0.002	0.001	0.001	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	0.002	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	0.001	0.001
09:00 AM - 10:00 AM	0.002	0.001	0.001	0.001	0.001	0.001	0.001
10:00 AM - 11:00 AM	0.002	0.001	0.001	0.001	0.001	0.001	0.001
11:00 AM - 12:00 PM	0.002	0.001	0.001	0.001	0.001	0.001	0.001
12:00 PM - 01:00 PM	0.002	0.001	0.001	0.001	0.001	0.001	0.001
Average	0.002	0.001	0.001	0.001	0.001	0.001	0.001
1hr - Maximum	0.003	0.002	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

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Analysis / Test Report

Client : Asia Industrial Estate Co., Ltd.

49 Soi Pipat (Silom 3) Asia Sermkij Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500

P/O : สฤตภากร

Project Name : Project AIE (Suwanaphumi)

Project Location :

Lot ID: 2358282

Date Received : May 30, 2023

Date Reported : Jun 06, 2023

Report Number: 2674357-1

Page 1 of 1

Sample Description Air Quality

Location A1 : โรงเรียนเทพดลวงใหญ่ (GPS 47P 0707454, 1512900)

Parameter Nitrogen dioxide (ppm)

Measurement Date May 22, 2023 - May 29, 2023

Measurement by Autit Aoonsim

Time	2358282-1	2358282-2	2358282-3	2358282-4	2358282-5	2358282-6	2358282-7
	May 22, 2023	May 23, 2023	May 24, 2023	May 25, 2023	May 26, 2023	May 27, 2023	May 28, 2023
10:00 AM - 11:00 AM	0.008	0.007	0.006	0.008	0.009	0.006	0.009
11:00 AM - 12:00 PM	0.009	0.007	0.008	0.011	0.010	0.008	0.006
12:00 PM - 01:00 PM	0.010	0.005	0.008	0.012	0.011	0.011	0.009
01:00 PM - 02:00 PM	0.007	0.005	0.010	0.012	0.013	0.013	0.011
02:00 PM - 03:00 PM	0.006	0.004	0.016	0.010	0.013	0.015	0.002
03:00 PM - 04:00 PM	0.006	0.005	0.014	0.009	0.010	0.013	0.001
04:00 PM - 05:00 PM	0.005	0.004	0.010	0.007	0.008	0.012	<0.001
05:00 PM - 06:00 PM	0.005	0.005	0.011	0.007	0.009	0.011	0.001
06:00 PM - 07:00 PM	0.007	0.005	0.010	0.007	0.010	0.010	0.001
07:00 PM - 08:00 PM	0.005	0.006	0.008	0.008	0.010	0.010	0.001
08:00 PM - 09:00 PM	0.004	0.006	0.006	0.008	0.011	0.010	0.002
09:00 PM - 10:00 PM	0.004	0.006	0.005	0.006	0.011	0.007	<0.001
10:00 PM - 11:00 PM	0.003	0.006	0.005	0.005	0.006	0.006	<0.001
11:00 PM - 12:00 AM	0.004	0.005	0.006	0.005	0.005	0.006	<0.001
12:00 AM - 01:00 AM	0.005	0.005	0.006	0.004	0.005	0.005	<0.001
01:00 AM - 02:00 AM	0.006	0.005	0.006	0.004	0.006	0.004	0.001
02:00 AM - 03:00 AM	0.005	0.005	0.003	0.004	0.005	0.004	0.002
03:00 AM - 04:00 AM	0.006	0.004	0.002	0.004	0.004	0.006	0.003
04:00 AM - 05:00 AM	0.006	0.004	0.002	0.004	0.004	0.006	0.001
05:00 AM - 06:00 AM	0.006	0.004	0.002	0.004	0.003	0.005	0.002
06:00 AM - 07:00 AM	0.006	0.004	0.002	0.004	0.004	0.004	0.001
07:00 AM - 08:00 AM	0.007	0.005	0.007	0.006	0.005	0.004	<0.001
08:00 AM - 09:00 AM	0.006	0.007	0.005	0.009	0.008	0.004	<0.001
09:00 AM - 10:00 AM	0.007	0.007	0.006	0.010	0.006	0.006	<0.001
Average	0.006	0.005	0.007	0.007	0.008	0.008	0.002
1hr - Maximum	0.010	0.007	0.016	0.012	0.013	0.015	0.011
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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Analysis / Test Report

Client : Asia Industrial Estate Co., Ltd.

49 Soi Pipat (Silom 3) Asia Sermkij Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500

P/O : สฤตภากร

Project Name : Project AIE (Suwanaphumi)

Project Location :

Lot ID: 2358282

Date Received : May 30, 2023

Date Reported : Jun 06, 2023

Report Number: 2674359-1

Page 1 of 1

Sample Description Air Quality

Location A2 : โรงงานผลิตเสริมสุขภาพผ่านคลองสวน (GPS 47P 0708252, 1510582)

Parameter Nitrogen dioxide (ppm)

Measurement Date May 22, 2023 - May 29, 2023

Measurement by Autit Aoonsim

Time	2358282-8	2358282-9	2358282-10	2358282-11	2358282-12	2358282-13	2358282-14
	May 22, 2023	May 23, 2023	May 24, 2023	May 25, 2023	May 26, 2023	May 27, 2023	May 28, 2023
11:00 AM - 12:00 PM	<0.001	<0.001	0.004	0.002	0.002	0.007	0.001
12:00 PM - 01:00 PM	<0.001	<0.001	0.002	0.003	0.001	0.003	0.003
01:00 PM - 02:00 PM	<0.001	<0.001	0.001	0.007	<0.001	0.001	0.002
02:00 PM - 03:00 PM	<0.001	<0.001	0.001	0.005	<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	0.001	0.001	<0.001
06:00 PM - 07:00 PM	<0.001	<0.001	0.002	0.001	0.001	0.001	<0.001
07:00 PM - 08:00 PM	<0.001	<0.001	0.001	0.002	0.001	0.001	0.001
08:00 PM - 09:00 PM	<0.001	<0.001	0.001	0.002	0.002	0.001	0.001
09:00 PM - 10:00 PM	<0.001	<0.001	0.002	0.002	0.001	<0.001	<0.001
10:00 PM - 11:00 PM	<0.001	<0.001	0.003	0.002	<0.001	<0.001	0.001
11:00 PM - 12:00 AM	<0.001	0.001	0.003	0.003	<0.001	<0.001	<0.001
12:00 AM - 01:00 AM	<0.001	<0.001	0.002	0.002	<0.001	0.001	0.001
01:00 AM - 02:00 AM	<0.001	<0.001	0.003	0.002	<0.001	0.001	0.002
02:00 AM - 03:00 AM	<0.001	0.002	0.001	0.003	<0.001	0.001	0.002
03:00 AM - 04:00 AM	0.003	0.001	0.001	0.005	<0.001	<0.001	0.002
04:00 AM - 05:00 AM	0.003	0.001	0.002	0.002	0.001	0.001	0.003
05:00 AM - 06:00 AM	0.002	0.002	0.006	0.002	0.001	0.001	0.005
06:00 AM - 07:00 AM	0.003	0.004	0.015	0.002	0.001	0.001	0.003
07:00 AM - 08:00 AM	0.009	0.005	0.032	0.004	0.006	0.001	0.004
08:00 AM - 09:00 AM	0.003	0.007	0.028	0.005	0.010	0.001	0.004
09:00 AM - 10:00 AM	0.003	0.002	0.014	0.003	0.014	0.001	0.004
10:00 AM - 11:00 AM	0.002	0.003	0.009	0.002	0.009	0.002	0.001
Average	0.002	0.002	0.006	0.003	0.003	0.001	0.002
1hr - Maximum	0.009	0.007	0.032	0.007	0.014	0.007	0.005
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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Analysis / Test Report

Client : Asia Industrial Estate Co., Ltd.

49 Soi Pipat (Silom 3) Asia Sermkij Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500

P/O : สฤตฤกษ์

Project Name : Project AIE (Suwanaphumi)

Project Location :

Lot ID: 2358282

Date Received : May 30, 2023

Date Reported : Jun 06, 2023

Report Number: 2674360-1

Page 1 of 1

Sample Description Air Quality

Location A3 : โรงเรียนธรรมศาสตร์วิทยากร (GPS 47P 0706046, 1507271)

Parameter Nitrogen dioxide (ppm)

Measurement Date May 22, 2023 - May 29, 2023

Measurement by Autit Aoonsim

Time	2358282-15 May 22, 2023	2358282-16 May 23, 2023	2358282-17 May 24, 2023	2358282-18 May 25, 2023	2358282-19 May 26, 2023	2358282-20 May 27, 2023	2358282-21 May 28, 2023
12:00 PM - 01:00 PM	<0.001	0.003	0.003	0.004	0.006	0.003	0.002
01:00 PM - 02:00 PM	<0.001	0.002	0.002	0.002	0.003	0.001	0.002
02:00 PM - 03:00 PM	<0.001	0.002	0.001	0.002	0.002	0.001	0.001
03:00 PM - 04:00 PM	<0.001	0.002	0.001	0.001	0.002	<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	0.002	0.002	<0.001	0.001	<0.001
07:00 PM - 08:00 PM	0.001	0.001	0.004	0.001	<0.001	0.002	0.001
08:00 PM - 09:00 PM	0.001	0.005	0.006	0.001	<0.001	0.002	0.002
09:00 PM - 10:00 PM	0.001	0.008	0.008	0.002	0.002	0.008	0.005
10:00 PM - 11:00 PM	<0.001	0.011	0.012	0.012	0.004	0.004	0.006
11:00 PM - 12:00 AM	0.001	0.009	0.002	0.002	0.003	0.002	0.005
12:00 AM - 01:00 AM	0.002	0.006	0.001	0.001	0.002	0.001	0.004
01:00 AM - 02:00 AM	0.001	0.005	<0.001	<0.001	0.002	<0.001	0.005
02:00 AM - 03:00 AM	<0.001	0.006	0.001	0.001	<0.001	0.004	0.004
03:00 AM - 04:00 AM	0.001	0.004	<0.001	<0.001	<0.001	<0.001	0.003
04:00 AM - 05:00 AM	0.002	0.004	<0.001	0.001	<0.001	<0.001	0.003
05:00 AM - 06:00 AM	0.004	0.007	0.001	0.001	0.001	0.004	0.004
06:00 AM - 07:00 AM	0.003	0.006	<0.001	0.001	0.001	0.002	0.005
07:00 AM - 08:00 AM	0.003	0.051	0.005	0.002	0.002	0.003	0.008
08:00 AM - 09:00 AM	0.002	0.015	0.004	0.004	0.003	0.004	0.005
09:00 AM - 10:00 AM	0.007	0.014	0.006	0.004	0.004	0.004	0.005
10:00 AM - 11:00 AM	0.006	0.009	0.006	0.006	0.002	0.005	0.005
11:00 AM - 12:00 PM	0.005	0.006	0.004	0.005	0.004	0.003	0.005
Average	0.002	0.007	0.003	0.002	0.002	0.002	0.004
1hr - Maximum	0.007	0.051	0.012	0.012	0.006	0.008	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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Analysis / Test Report

Client : Asia Industrial Estate Co., Ltd.

49 Soi Pipat (Silom 3) Asia Sermkij Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500

P/O : สฤตฤกษ์

Project Name : Project AIE (Suwanaphumi)

Project Location :

Lot ID: 2358282

Date Received : May 30, 2023

Date Reported : Jun 06, 2023

Report Number: 2674361-1

Page 1 of 1

Sample Description Air Quality

Location A4 : โรงเรียนคลองประมง (เขื่อนบางนาไร่) (GPS 47P 0704650, 1510409)

Parameter Nitrogen dioxide (ppm)

Measurement Date May 22, 2023 - May 29, 2023

Measurement by Autit Aoonsim

Time	2358282-22 May 22, 2023	2358282-23 May 23, 2023	2358282-24 May 24, 2023	2358282-25 May 25, 2023	2358282-26 May 26, 2023	2358282-27 May 27, 2023	2358282-28 May 28, 2023
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	0.002
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	0.002	<0.001	<0.001	<0.001	<0.001
01:00 AM - 02:00 AM	<0.001	0.002	0.003	<0.001	<0.001	<0.001	<0.001
02:00 AM - 03:00 AM	0.001	0.001	0.005	<0.001	<0.001	0.001	<0.001
03:00 AM - 04:00 AM	0.001	0.003	0.007	<0.001	<0.001	<0.001	<0.001
04:00 AM - 05:00 AM	0.003	0.021	0.004	<0.001	<0.001	<0.001	<0.001
05:00 AM - 06:00 AM	0.005	0.012	0.008	<0.001	<0.001	<0.001	<0.001
06:00 AM - 07:00 AM	0.001	0.007	0.002	<0.001	<0.001	<0.001	<0.001
07:00 AM - 08:00 AM	<0.001	0.007	0.002	<0.001	<0.001	0.014	0.011
08:00 AM - 09:00 AM	<0.001	0.005	<0.001	<0.001	<0.001	<0.001	0.011
09:00 AM - 10:00 AM	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.006
10:00 AM - 11:00 AM	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.005
11:00 AM - 12:00 PM	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.005
12:00 PM - 01:00 PM	0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Average	<0.001	0.003	0.002	<0.001	<0.001	<0.001	0.002
1hr - Maximum	0.005	0.021	0.008	<0.001	<0.001	0.014	0.011
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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Approved by

Tanyatorn Mongkonjirawat
Supervisor

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1337-83 EMAIL

S:\Reports_Air SOxNOx.rpt (6:04PM)



Analysis / Test Report

Client : Asia Industrial Estate Co., Ltd.

49 Soi Pipat (Silom 3) Asia Sermkij Tower, 7th Floor, Silom Road, Bang Rak,
Bangkok Thailand 10500

P/O : สัตยาจารัง

Project Name : Project AIE (Suwanaphumi)

Project Location :

Lot ID : 2358286

Date Received : May 30, 2023

Date Reported : Jun 08, 2023

Report Number : 2657681-1

Sample Number : 2358286-1 to 7

Parameter : Wind Speed / Wind Direction

Location : A1 : โรงเรียนสุเทพวิทยาคาร (GPS 47P 0707454, 1512900)

Sampling Date : May 22 - May 29, 2023

Sampling by : Autit Aoonsim

Time	May 22 - May 23, 2023		May 23 - May 24, 2023		May 24 - May 25, 2023		May 25 - May 26, 2023		May 26 - May 27, 2023		May 27 - May 28, 2023		May 28 - May 29, 2023	
	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)
10:00 AM - 11:00 AM	2.1	261.0	W	0.0	-	-	1.2	245.0	WSW	2.2	268.0	W	0.0	-
11:00 AM - 12:00 PM	1.5	217.0	SW	0.0	-	-	1.9	161.0	SSE	2.9	244.0	WSW	0.0	-
12:00 PM - 01:00 PM	2.6	256.0	WSW	0.0	-	-	1.4	241.0	WSW	4.2	200.0	SSW	2.8	359.0
01:00 PM - 02:00 PM	2.0	196.0	SSW	0.0	-	-	0.0	-	-	1.5	311.0	NW	0.0	-
02:00 PM - 03:00 PM	2.7	223.0	SW	0.0	-	-	2.1	165.0	SSE	2.6	197.0	SSW	0.0	-
03:00 PM - 04:00 PM	1.9	234.0	SW	0.0	-	-	2.1	217.0	SW	2.4	196.0	SSW	0.0	-
04:00 PM - 05:00 PM	1.3	216.0	SW	0.0	-	-	2.0	231.0	SW	1.8	245.0	WSW	0.0	-
05:00 PM - 06:00 PM	1.4	180.0	S	1.7	276.0	W	1.8	193.0	SSW	1.8	168.0	SSE	0.0	-
06:00 PM - 07:00 PM	0.8	183.0	S	2.2	285.0	WNW	1.1	157.0	SSE	0.9	177.0	S	0.0	-
07:00 PM - 08:00 PM	1.3	174.0	S	1.6	31.0	NNE	1.2	258.0	WSW	1.1	224.0	SW	0.0	-
08:00 PM - 09:00 PM	0.0	-	-	0.5	31.0	NNE	0.9	216.0	SW	0.2	-	-	1.2	248.0
09:00 PM - 10:00 PM	0.9	206.0	SSW	0.3	73.0	ENE	0.2	-	-	0.2	-	-	3.0	273.0
10:00 PM - 11:00 PM	1.4	155.0	SSE	0.6	78.0	ENE	1.3	98.0	E	0.3	176.0	S	2.4	256.0
11:00 PM - 12:00 AM	0.0	-	-	0.0	-	-	1.0	116.0	ESE	0.5	200.0	SSW	1.3	201.0
12:00 AM - 01:00 AM	0.0	-	-	0.0	-	-	0.0	-	-	0.1	-	-	1.9	272.0
01:00 AM - 02:00 AM	0.4	110.0	ESE	0.3	76.0	ENE	0.5	251.0	WSW	0.1	-	-	2.3	266.0
02:00 AM - 03:00 AM	0.2	-	-	0.0	-	-	0.2	-	-	0.3	94.0	E	3.0	307.0
03:00 AM - 04:00 AM	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.7	146.0
04:00 AM - 05:00 AM	0.5	112.0	ESE	0.0	-	-	0.0	-	-	1.0	17.0	NNE	1.0	164.0
05:00 AM - 06:00 AM	0.0	-	-	0.0	-	-	0.0	-	-	0.6	21.0	NNE	0.0	-
06:00 AM - 07:00 AM	0.0	-	-	0.0	-	-	0.0	-	-	0.8	246.0	WSW	0.0	-
07:00 AM - 08:00 AM	0.0	-	-	0.8	236.0	SW	1.0	258.0	WSW	2.4	280.0	W	0.1	-
08:00 AM - 09:00 AM	0.0	-	-	1.2	182.0	S	0.6	293.0	WNW	1.5	320.0	NW	0.3	99.0
09:00 AM - 10:00 AM	0.0	-	-	0.8	246.0	WSW	1.6	243.0	WSW	0.0	-	-	0.8	122.0

Reference Method : Cup Anemometer & Anodized Aluminium Vane Method

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Approved by

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Assistant General Manager

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Analysis / Test Report

Client : Asia Industrial Estate Co., Ltd.

49 Soi Pipat (Silom 3) Asia Sermkij Tower, 7th Floor, Silom Road, Bang Rak,
Bangkok Thailand 10500

P/O : สัตยาจารัง

Project Name : Project AIE (Suwanaphumi)

Project Location :

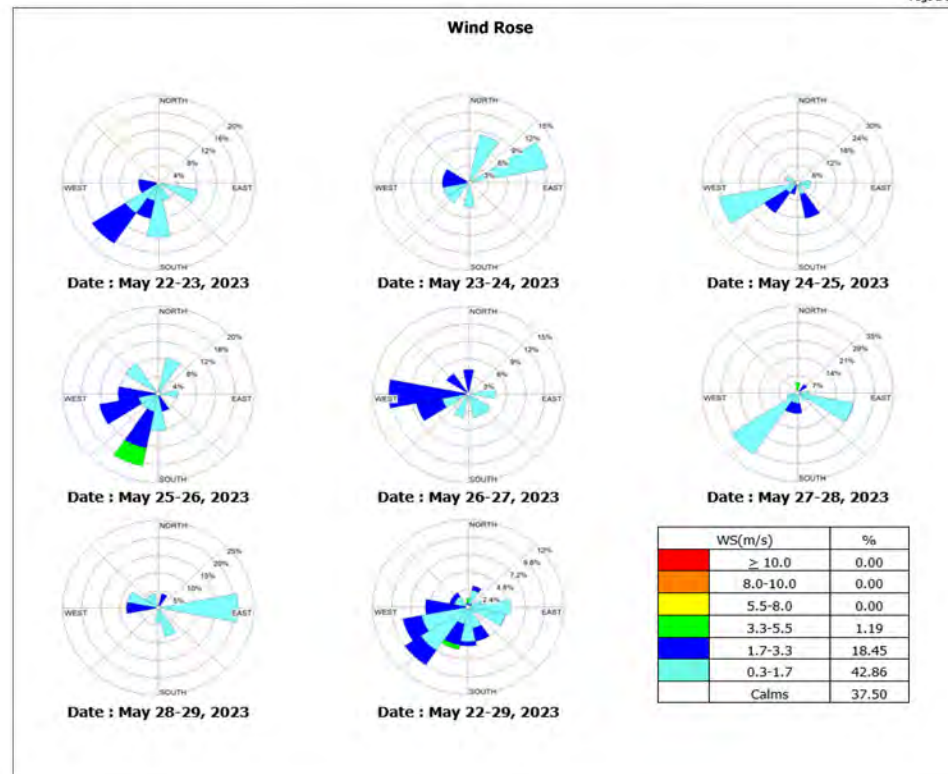
Lot ID : 2358286

Date Received : May 30, 2023

Date Reported : Jun 08, 2023

Report Number : 2657681-1

Page 2 of 2



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Bangkok Thailand 10500

P/O : สัตยากร

Project Name : Project AIE (Suwanaphumi)

Project Location :

Lot ID : 2358286

Date Received : May 30, 2023

Date Reported : Jun 08, 2023

Report Number : 2657681-1

Sample Number : 2358286-8 to 14

Parameter : Wind Speed / Wind Direction

Location : โรงพยานาส่งเสริมสุขภาพตำบลคลองสวน (GPS 47P 0708252, 1510582)

Sampling Date : May 22 - May 29, 2023

Sampling by : Autit Aoonsim

Time	May 22 - May 23, 2023			May 23 - May 24, 2023			May 24 - May 25, 2023			May 25 - May 26, 2023			May 26 - May 27, 2023			May 27 - May 28, 2023			May 28 - May 29, 2023		
	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	2.7	289.0	WNW	1.6	93.0	E	1.7	120.0	ESE	0.0	-	-	5.4	68.0	ENE	1.2	109.0	ESE	2.6	183.0	S
12:00 PM - 01:00 PM	6.8	63.0	ENE	5.9	105.0	ESE	0.0	-	-	2.3	83.0	E	6.5	71.0	ENE	2.2	0.0	N	0.0	-	-
01:00 PM - 02:00 PM	4.1	127.0	SE	2.9	124.0	SE	3.5	132.0	SE	11.2	97.0	E	3.3	0.0	N	3.4	129.0	SE	0.0	-	-
02:00 PM - 03:00 PM	3.9	78.0	ENE	7.2	121.0	ESE	2.7	128.0	SE	3.5	136.0	SE	5.8	62.0	ENE	1.3	139.0	SE	0.0	-	-
03:00 PM - 04:00 PM	4.8	147.0	SSE	4.6	100.0	E	7.3	128.0	SE	3.6	133.0	SE	4.9	128.0	SE	3.6	100.0	E	0.0	-	-
04:00 PM - 05:00 PM	6.8	135.0	SE	7.2	103.0	ESE	6.0	137.0	SE	4.3	151.0	SSE	3.8	120.0	ESE	0.0	-	-	1.6	196.0	SSW
05:00 PM - 06:00 PM	4.6	120.0	ESE	5.3	140.0	SE	2.5	128.0	SE	1.9	112.0	ESE	3.2	70.0	ENE	0.0	-	-	1.4	161.0	SSE
06:00 PM - 07:00 PM	7.2	140.0	SE	4.3	97.0	E	2.5	122.0	ESE	3.9	150.0	SSE	4.2	128.0	SE	3.1	133.0	SE	1.9	191.0	S
07:00 PM - 08:00 PM	3.2	147.0	SSE	2.3	110.0	ESE	1.7	131.0	SE	5.4	135.0	SE	1.4	131.0	SE	0.0	-	-	0.0	-	-
08:00 PM - 09:00 PM	3.9	118.0	ESE	4.4	99.0	E	3.8	127.0	SE	1.3	110.0	ESE	1.6	137.0	SE	0.0	-	-	0.0	-	-
09:00 PM - 10:00 PM	4.1	123.0	ESE	1.0	0.0	N	2.0	103.0	ESE	2.5	128.0	SE	0.0	-	-	0.0	-	-	0.0	-	-
10:00 PM - 11:00 PM	4.8	128.0	SE	1.4	0.0	N	4.7	131.0	SE	3.8	117.0	ESE	1.3	106.0	ESE	0.7	133.0	SE	4.8	119.0	ESE
11:00 PM - 12:00 AM	2.2	111.0	ESE	0.0	-	-	0.0	-	-	2.3	145.0	SE	2.3	104.0	ESE	3.2	97.0	E	1.6	75.0	ENE
12:00 AM - 01:00 AM	2.1	121.0	ESE	0.0	-	-	0.0	-	-	3.1	133.0	SE	8.3	96.0	E	1.9	115.0	ESE	1.1	0.0	N
01:00 AM - 02:00 AM	1.0	131.0	SE	0.0	-	-	1.1	166.0	SSE	4.7	140.0	SE	1.9	105.0	ESE	2.1	128.0	SE	0.0	-	-
02:00 AM - 03:00 AM	0.0	-	-	0.0	-	-	3.9	95.0	E	3.6	136.0	SE	3.0	78.0	ENE	0.0	-	-	0.0	-	-
03:00 AM - 04:00 AM	0.0	-	-	0.0	-	-	3.1	137.0	SE	0.0	-	-	0.0	-	-	1.1	0.0	N	0.0	-	-
04:00 AM - 05:00 AM	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	1.9	134.0	SE	4.2	226.0	SW	0.0	-	-
05:00 AM - 06:00 AM	0.0	-	-	0.0	-	-	0.0	-	-	4.0	182.0	S	6.5	160.0	SSE	5.9	162.0	SSE	0.0	-	-
06:00 AM - 07:00 AM	0.0	-	-	1.7	188.0	S	0.0	-	-	1.1	0.0	N	0.0	-	-	3.5	154.0	SSE	0.0	-	-
07:00 AM - 08:00 AM	0.0	-	-	3.1	184.0	S	0.0	-	-	0.0	-	-	0.0	-	-	2.3	161.0	SSE	0.0	-	-
08:00 AM - 09:00 AM	0.0	-	-	3.3	171.0	S	0.0	-	-	1.0	108.0	ESE	0.0	-	-	3.1	188.0	S	0.0	-	-
09:00 AM - 10:00 AM	0.0	-	-	2.2	130.0	SE	0.0	-	-	2.4	88.0	E	1.5	55.0	NE	1.1	134.0	SE	1.2	130.0	SE
10:00 AM - 11:00 AM	4.4	100.0	E	4.3	145.0	SE	1.6	66.0	ENE	8.6	93.0	E	4.0	203.0	SSW	0.0	-	-	0.7	133.0	SE

Reference Method : Cup Anemometer & Anodized Aluminium Vane Method

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Sarayuth Jitranont
Assistant General Manager

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Analysis / Test Report

Client : Asia Industrial Estate Co., Ltd.

49 Soi Pipat (Silom 3) Asia Sermkij Tower, 7th Floor, Silom Road, Bang Rak,
Bangkok Thailand 10500

P/O : สัตยากร

Project Name : Project AIE (Suwanaphumi)

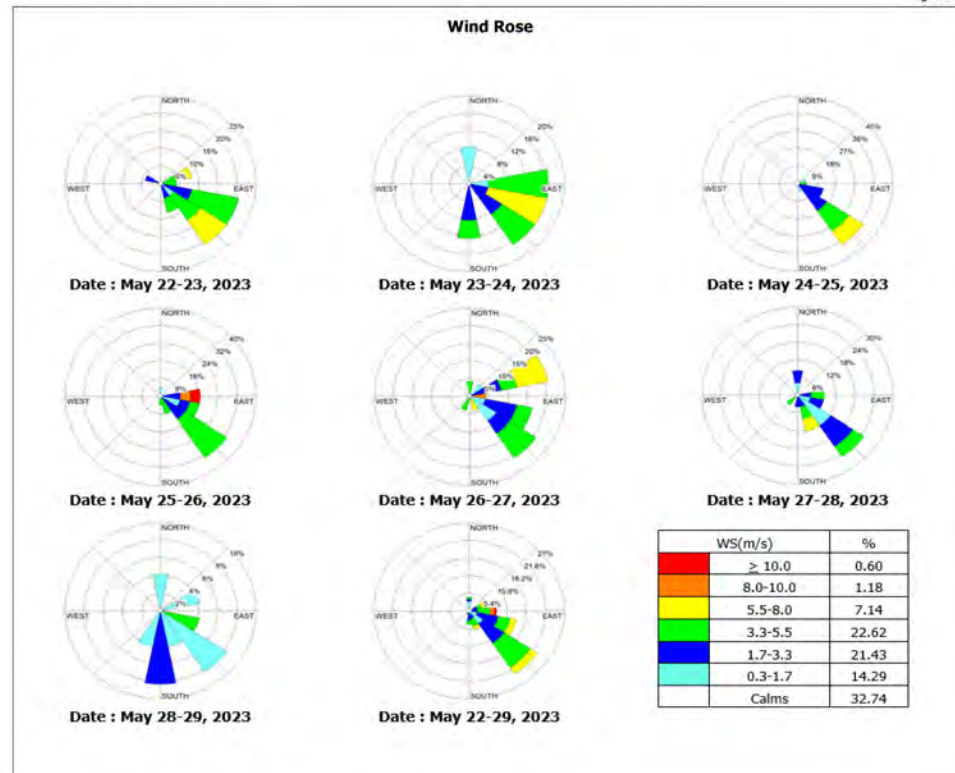
Project Location :

Lot ID : 2358286

Date Received : May 30, 2023

Date Reported : Jun 08, 2023

Report Number : 2657681-1



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Analysis / Test Report

Client : Asia Industrial Estate Co., Ltd.

49 Sol Pipat (Silom 3) Asia Sermkij Tower, 7th Floor, Silom Road, Bang Rak,
Bangkok Thailand 10500

P/O : สัตยากร

Project Name : Project AIE (Suwanaphumi)

Project Location :

Lot ID : 2358286

Date Received : May 30, 2023

Date Reported : Jun 08, 2023

Report Number : 2657681-1

Sample Number : 2358286-15 to 21

Parameter : Wind Speed / Wind Direction

Location : A3 : โรงเรียนธรรมศาสตร์สุวรรณภูมิ (GPS 47P 0706046, 1507271)

Sampling Date : May 22 - May 29, 2023

Sampling by : Autit Aoonsim

Time	May 22 - May 23, 2023		May 23 - May 24, 2023		May 24 - May 25, 2023		May 25 - May 26, 2023		May 26 - May 27, 2023		May 27 - May 28, 2023		May 28 - May 29, 2023	
	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)
12:00 PM - 01:00 PM	3.0	51.0	NE	0.5	18.0	NNE	1.7	36.0	NE	4.7	42.0	NE	2.2	71.0
01:00 PM - 02:00 PM	3.6	36.0	NE	2.8	37.0	NE	0.0	-	-	3.2	37.0	NE	1.4	79.0
02:00 PM - 03:00 PM	3.4	35.0	NE	5.0	355.0	N	1.9	114.0	ESE	5.6	61.0	ENE	0.3	130.0
03:00 PM - 04:00 PM	6.1	48.0	NE	2.3	22.0	NNE	1.0	94.0	E	0.8	132.0	SE	0.6	177.0
04:00 PM - 05:00 PM	2.2	81.0	E	0.5	30.0	NNE	2.1	69.0	ENE	1.2	5.0	N	2.9	82.0
05:00 PM - 06:00 PM	3.1	56.0	NE	3.9	121.0	ESE	0.8	109.0	ESE	1.1	125.0	SE	2.8	18.0
06:00 PM - 07:00 PM	4.5	52.0	NE	1.0	236.0	SW	0.7	71.0	ENE	1.7	61.0	ENE	3.2	62.0
07:00 PM - 08:00 PM	2.7	74.0	ENE	0.2	-	-	0.3	59.0	ENE	0.7	78.0	ENE	2.8	45.0
08:00 PM - 09:00 PM	4.3	65.0	ENE	0.7	237.0	WSW	2.0	62.0	ENE	0.6	79.0	E	1.8	43.0
09:00 PM - 10:00 PM	1.5	62.0	ENE	0.6	237.0	WSW	5.7	30.0	NNE	2.5	83.0	E	1.5	40.0
10:00 PM - 11:00 PM	3.5	30.0	NNE	0.8	61.0	ENE	2.5	3.0	N	1.3	54.0	NE	0.8	36.0
11:00 PM - 12:00 AM	2.0	37.0	NE	1.2	39.0	NE	3.2	30.0	NNE	3.5	19.0	NNE	3.1	62.0
12:00 AM - 01:00 AM	1.5	235.0	SW	0.8	42.0	NE	3.4	89.0	E	2.0	71.0	ENE	3.4	67.0
01:00 AM - 02:00 AM	0.9	268.0	W	1.6	355.0	N	2.4	27.0	NNE	1.6	71.0	ENE	1.9	76.0
02:00 AM - 03:00 AM	0.4	4.0	N	0.6	0.0	N	2.5	52.0	NE	3.2	97.0	E	2.2	75.0
03:00 AM - 04:00 AM	0.4	28.0	NNE	1.4	351.0	N	1.3	40.0	NE	3.1	55.0	NE	2.5	56.0
04:00 AM - 05:00 AM	1.3	7.0	N	1.3	34.0	NE	2.0	78.0	ENE	3.6	42.0	NE	1.9	27.0
05:00 AM - 06:00 AM	1.4	264.0	W	1.9	24.0	NNE	2.8	106.0	ESE	4.9	73.0	ENE	1.2	41.0
06:00 AM - 07:00 AM	1.4	267.0	W	1.8	31.0	NNE	2.2	60.0	ENE	4.5	53.0	NE	2.1	44.0
07:00 AM - 08:00 AM	1.1	354.0	N	2.3	55.0	NE	0.8	46.0	NE	1.7	17.0	NNE	3.2	312.0
08:00 AM - 09:00 AM	1.3	30.0	NNE	2.4	73.0	ENE	2.8	55.0	NE	2.6	82.0	E	1.9	358.0
09:00 AM - 10:00 AM	2.9	20.0	NNE	1.7	76.0	ENE	1.2	31.0	NNE	4.2	54.0	NE	3.5	346.0
10:00 AM - 11:00 AM	1.7	9.0	N	0.5	5.0	N	2.2	79.0	E	1.4	110.0	ESE	1.5	294.0
11:00 AM - 12:00 PM	1.4	28.0	NNE	3.6	94.0	E	2.0	100.0	E	2.5	52.0	NE	0.4	26.0

Reference Method : Cup Anemometer & Anodized Aluminium Vane Method

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Analysis / Test Report

Client : Asia Industrial Estate Co., Ltd.

49 Sol Pipat (Silom 3) Asia Sermkij Tower, 7th Floor, Silom Road, Bang Rak,
Bangkok Thailand 10500

P/O : สัตยากร

Project Name : Project AIE (Suwanaphumi)

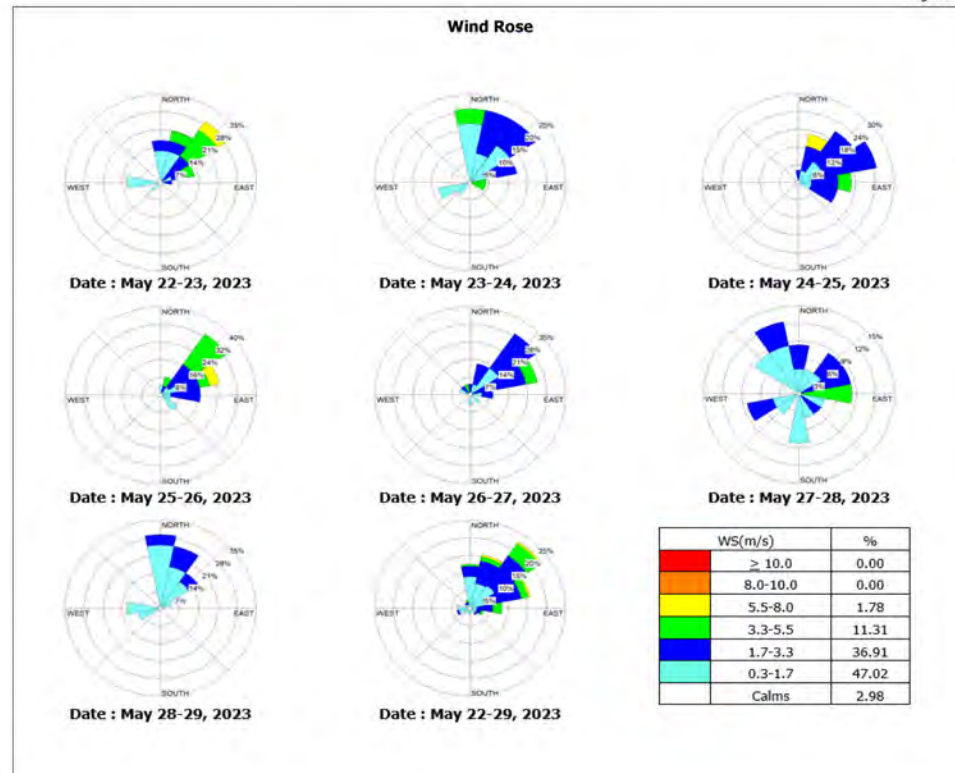
Project Location :

Lot ID : 2358286

Date Received : May 30, 2023

Date Reported : Jun 08, 2023

Report Number : 2657681-1



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Approved by

Sarayuth Jitranont
Assistant General Manager

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Analysis / Test Report

Client : Asia Industrial Estate Co., Ltd.

49 Soi Pipat (Silom 3) Asia Sermkij Tower, 7th Floor, Silom Road, Bang Rak,
Bangkok Thailand 10500

P/O : สัตยากร

Project Name : Project AIE (Suwanaphumi)

Project Location :

Lot ID : 2358286

Date Received : May 30, 2023

Date Reported : Jun 08, 2023

Report Number : 2657681-1

Sample Number : 2358286-22 to 28

Parameter : Wind Speed / Wind Direction

Location : A4 : โรงเรือนทดลองฝรั่ง (เผือกนางน่านโพธิ์) (GPS 47P 0704650, 1510409)

Sampling Date : May 22 - May 29, 2023

Sampling by : Autit Aoonsin

Time	May 22 - May 23, 2023		May 23 - May 24, 2023		May 24 - May 25, 2023		May 25 - May 26, 2023		May 26 - May 27, 2023		May 27 - May 28, 2023		May 28 - May 29, 2023	
	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)
12:00 PM - 01:00 PM	2.4	305.0	NW	0.3	280.0	W	0.0	-	2.6	219.0	SW	2.3	246.0	WSW
01:00 PM - 02:00 PM	1.8	198.0	SSW	1.3	245.0	WSW	0.7	267.0	W	1.2	247.0	WSW	0.4	242.0
02:00 PM - 03:00 PM	1.2	172.0	S	1.4	260.0	W	3.1	206.0	SSW	3.2	260.0	W	0.3	295.0
03:00 PM - 04:00 PM	2.4	265.0	W	4.8	283.0	WNW	1.4	282.0	WNW	1.6	223.0	SW	0.0	-
04:00 PM - 05:00 PM	1.1	264.0	W	4.0	274.0	W	0.9	268.0	W	2.2	246.0	WSW	0.9	272.0
05:00 PM - 06:00 PM	1.3	243.0	WSW	2.8	298.0	WNW	3.1	239.0	WSW	1.2	259.0	W	1.8	268.0
06:00 PM - 07:00 PM	2.0	243.0	WSW	1.1	41.0	NE	2.0	254.0	WSW	1.6	226.0	SW	2.3	264.0
07:00 PM - 08:00 PM	3.5	238.0	WSW	1.0	39.0	NE	1.5	220.0	SW	1.5	79.0	E	4.8	265.0
08:00 PM - 09:00 PM	0.8	286.0	WNW	1.2	125.0	SE	2.3	216.0	SW	2.1	310.0	NW	6.8	279.0
09:00 PM - 10:00 PM	1.4	257.0	WSW	1.6	191.0	S	1.4	152.0	SSE	1.1	174.0	S	1.5	350.0
10:00 PM - 11:00 PM	1.4	242.0	WSW	1.2	171.0	S	2.5	153.0	SSE	1.0	222.0	SW	0.6	30.0
11:00 PM - 12:00 AM	1.1	228.0	SW	2.0	125.0	SE	1.2	306.0	NW	2.9	127.0	SE	1.6	346.0
12:00 AM - 01:00 AM	1.3	127.0	SE	1.0	91.0	E	1.1	38.0	NE	1.7	112.0	ESE	1.2	105.0
01:00 AM - 02:00 AM	0.0	-	-	1.8	128.0	SE	0.7	163.0	SSE	3.9	137.0	SE	2.3	126.0
02:00 AM - 03:00 AM	1.1	162.0	SSE	1.7	84.0	E	2.4	245.0	WSW	2.4	135.0	SE	1.3	241.0
03:00 AM - 04:00 AM	2.0	56.0	NE	2.3	118.0	ESE	6.1	276.0	W	2.0	245.0	WSW	1.0	125.0
04:00 AM - 05:00 AM	1.9	162.0	SSE	2.2	153.0	SSE	2.9	118.0	ESE	3.6	325.0	NW	2.3	291.0
05:00 AM - 06:00 AM	1.5	311.0	NW	2.7	117.0	ESE	3.6	273.0	W	3.5	355.0	N	1.3	322.0
06:00 AM - 07:00 AM	0.7	301.0	WNW	2.8	149.0	SSE	3.8	292.0	WNW	4.0	332.0	NW	3.0	123.0
07:00 AM - 08:00 AM	3.3	316.0	NW	2.1	171.0	S	2.8	288.0	WNW	5.3	323.0	NW	3.9	259.0
08:00 AM - 09:00 AM	1.8	303.0	WNW	0.9	296.0	WNW	2.9	274.0	W	4.9	353.0	N	3.0	322.0
09:00 AM - 10:00 AM	2.7	301.0	WNW	0.0	-	-	1.7	262.0	W	2.1	292.0	WNW	3.5	203.0
10:00 AM - 11:00 AM	2.5	262.0	W	2.2	260.0	W	2.4	247.0	WSW	3.0	275.0	W	2.8	248.0
11:00 AM - 12:00 PM	0.9	241.0	WSW	2.3	251.0	WSW	3.2	244.0	WSW	4.6	227.0	SW	1.1	213.0

Reference Method : Cup Anemometer & Anodized Aluminium Vane Method

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Approved by

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Assistant General Manager

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Analysis / Test Report

Client : Asia Industrial Estate Co., Ltd.

49 Soi Pipat (Silom 3) Asia Sermkij Tower, 7th Floor, Silom Road, Bang Rak,
Bangkok Thailand 10500

P/O : สัตยากร

Project Name : Project AIE (Suwanaphumi)

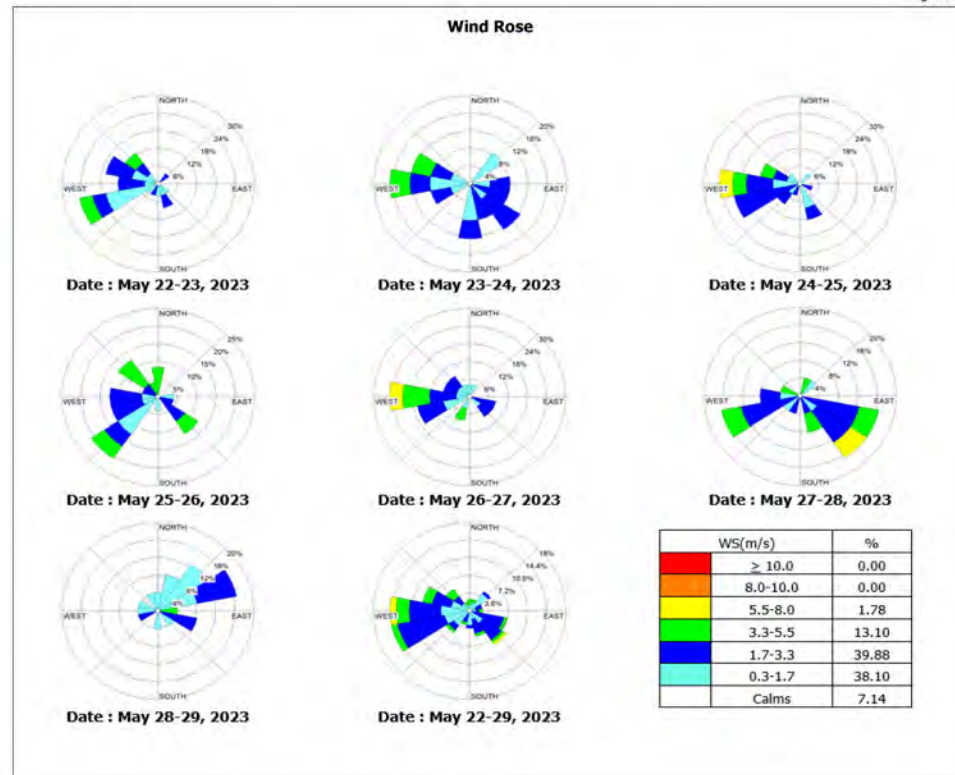
Project Location :

Lot ID : 2358286

Date Received : May 30, 2023

Date Reported : Jun 08, 2023

Report Number : 2657681-1



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ภาคผนวก ค-2

ระดับเสียง



Analysis / Test Report

Client : Asia Industrial Estate Co., Ltd.

49 Soi Pipat (Silom 3) Asia Sermkij Tower, 7th Floor, Silom Road, Bang Rak, Bangkok Thailand 10500

P/O : สัญญาจ้าง

Project Name : Project AIE (Suwanaphumi)

Project Location :

Lot ID: 2358287

Date Received : May 30, 2023

Date Reported : Jun 08, 2023

Report Number: 2677470-1

Page 1 of 1

Sample Number 2358287-1
Parameter Noise (Leq 24 hrs.)
Location N1 : โรงเรียนสุเหร่าคลองใหญ่ (GPS 47P 0707472, 1512996)
Measurement Date May 24 - May 25, 2023
Measurement by Autit Aoonsim
Sound Level meter Serial No. 572552

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	50.7	75.2	44.2
11:00 AM - 12:00 PM	62.8	92.0	52.6
12:00 PM - 01:00 PM	62.6	99.7	45.1
01:00 PM - 02:00 PM	52.9	77.9	43.1
02:00 PM - 03:00 PM	53.3	77.5	45.5
03:00 PM - 04:00 PM	69.8	89.6	48.0
04:00 PM - 05:00 PM	48.4	70.1	42.4
05:00 PM - 06:00 PM	52.0	75.8	43.3
06:00 PM - 07:00 PM	48.9	72.1	42.0
07:00 PM - 08:00 PM	49.4	68.4	43.5
08:00 PM - 09:00 PM	46.4	68.4	41.9
09:00 PM - 10:00 PM	48.4	71.8	39.6
10:00 PM - 11:00 PM	45.1	71.7	38.9
11:00 PM - 12:00 AM	45.8	70.0	36.2
12:00 AM - 01:00 AM	44.2	68.4	37.0
01:00 AM - 02:00 AM	56.0	80.5	46.3
02:00 AM - 03:00 AM	45.8	64.4	42.1
03:00 AM - 04:00 AM	44.4	68.4	41.6
04:00 AM - 05:00 AM	46.8	70.9	41.9
05:00 AM - 06:00 AM	53.3	82.0	45.6
06:00 AM - 07:00 AM	71.7	86.0	60.4
07:00 AM - 08:00 AM	73.4	87.3	63.1
08:00 AM - 09:00 AM	67.0	91.4	45.2
09:00 AM - 10:00 AM	51.4	81.7	42.3

Leq Average 24 hrs. (dB(A)) 63.8

Lmax (dB(A)) 99.7

L90 (dB(A)) 43.1

Ldn (dB(A)) 69.2

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

Technical Management

Orawan R.

Orawan Rakyong
Scientist (3)

Approved by

Supot S.

Supot Salamteh
Section Head

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S:\Reports\Air Noise.rpt (6:37PM)



Analysis / Test Report

Client : Asia Industrial Estate Co., Ltd.

49 Soi Pipat (Silom 3) Asia Sermkij Tower, 7th Floor, Silom Road, Bang Rak, Bangkok Thailand 10500

P/O : สัญญาจ้าง

Project Name : Project AIE (Suwanaphumi)

Project Location :

Lot ID: 2358287

Date Received : May 30, 2023

Date Reported : Jun 08, 2023

Report Number: 2677471-1

Page 1 of 1

Sample Number 2358287-2
Parameter Noise (Leq 24 hrs.)
Location N1 : โรงเรียนสุเหร่าคลองใหญ่ (GPS 47P 0707472, 1512996)
Measurement Date May 25 - May 26, 2023
Measurement by Autit Aoonsim
Sound Level meter Serial No. 572552

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	49.2	74.0	42.8
11:00 AM - 12:00 PM	63.6	86.3	51.7
12:00 PM - 01:00 PM	62.5	87.3	46.6
01:00 PM - 02:00 PM	51.6	81.7	44.3
02:00 PM - 03:00 PM	53.7	82.3	45.3
03:00 PM - 04:00 PM	50.8	75.1	44.1
04:00 PM - 05:00 PM	50.5	74.1	42.7
05:00 PM - 06:00 PM	53.9	78.6	44.3
06:00 PM - 07:00 PM	50.3	74.7	41.7
07:00 PM - 08:00 PM	51.6	73.1	47.7
08:00 PM - 09:00 PM	49.5	68.9	45.5
09:00 PM - 10:00 PM	47.4	70.4	42.0
10:00 PM - 11:00 PM	44.7	68.1	38.6
11:00 PM - 12:00 AM	43.5	64.9	38.8
12:00 AM - 01:00 AM	44.5	70.2	36.0
01:00 AM - 02:00 AM	45.6	74.4	35.1
02:00 AM - 03:00 AM	43.3	67.3	35.3
03:00 AM - 04:00 AM	45.3	71.7	35.5
04:00 AM - 05:00 AM	49.4	78.9	39.4
05:00 AM - 06:00 AM	54.2	84.0	45.3
06:00 AM - 07:00 AM	69.5	84.8	57.6
07:00 AM - 08:00 AM	74.4	90.0	65.3
08:00 AM - 09:00 AM	71.6	88.9	52.1
09:00 AM - 10:00 AM	49.4	74.9	43.7

Leq Average 24 hrs. (dB(A)) 63.8

Lmax (dB(A)) 90.0

L90 (dB(A)) 43.7

Ldn (dB(A)) 67.7

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

Technical Management

Orawan R.

Orawan Rakyong
Scientist (3)

Approved by

Supot S.

Supot Salamteh
Section Head

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Analysis / Test Report

Client : Asia Industrial Estate Co., Ltd.

49 Soi Pipat (Silom 3) Asia Sermkij Tower, 7th Floor, Silom Road, Bang Rak, Bangkok Thailand 10500

P/O : สัญญาจ้าง

Project Name : Project AIE (Suwanaphumi)

Project Location :

Lot ID: 2358287

Date Received : May 30, 2023

Date Reported : Jun 08, 2023

Report Number: 2677472-1

Page 1 of 1

Sample Number 2358287-3
Parameter Noise (Leq 24 hrs.)
Location N1 : โรงเรียนสุเหร่าคลองใหญ่ (GPS 47P 0707472, 1512996)
Measurement Date May 26 - May 27, 2023
Measurement by Autit Aoonsim
Sound Level meter Serial No. 572552

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	51.0	78.5	44.9
11:00 AM - 12:00 PM	62.7	85.5	51.1
12:00 PM - 01:00 PM	62.3	87.1	40.8
01:00 PM - 02:00 PM	50.3	79.4	41.4
02:00 PM - 03:00 PM	52.5	75.1	44.0
03:00 PM - 04:00 PM	52.7	83.0	43.3
04:00 PM - 05:00 PM	52.9	80.7	42.0
05:00 PM - 06:00 PM	50.8	81.0	42.4
06:00 PM - 07:00 PM	49.8	80.0	40.9
07:00 PM - 08:00 PM	49.6	68.7	42.1
08:00 PM - 09:00 PM	46.0	68.2	41.3
09:00 PM - 10:00 PM	42.7	68.4	38.3
10:00 PM - 11:00 PM	42.9	70.6	38.0
11:00 PM - 12:00 AM	39.7	64.1	36.5
12:00 AM - 01:00 AM	44.4	68.3	36.1
01:00 AM - 02:00 AM	43.2	63.4	40.5
02:00 AM - 03:00 AM	56.6	91.3	44.3
03:00 AM - 04:00 AM	60.5	91.1	53.2
04:00 AM - 05:00 AM	48.2	68.3	43.8
05:00 AM - 06:00 AM	53.6	82.9	45.6
06:00 AM - 07:00 AM	55.2	82.6	45.3
07:00 AM - 08:00 AM	54.3	81.6	45.5
08:00 AM - 09:00 AM	51.2	79.0	44.5
09:00 AM - 10:00 AM	50.1	78.5	40.7

Leq Average 24 hrs. (dB(A))

55.0

Lmax (dB(A))

91.3

L90 (dB(A))

42.1

Ldn (dB(A))

60.7

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

Technical Management

Orawan R.

Orawan Rakyoung
Scientist (3)

Approved by

Supot S.

Supot Salamteh
Section Head

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Analysis / Test Report

Client : Asia Industrial Estate Co., Ltd.

49 Soi Pipat (Silom 3) Asia Sermkij Tower, 7th Floor, Silom Road, Bang Rak, Bangkok Thailand 10500

P/O : สัญญาจ้าง

Project Name : Project AIE (Suwanaphumi)

Project Location :

Lot ID: 2358287

Date Received : May 30, 2023

Date Reported : Jun 08, 2023

Report Number: 2677473-1

Page 1 of 1

Sample Number 2358287-4
Parameter Noise (Leq 24 hrs.)
Location N1 : โรงเรียนสุเหร่าคลองใหญ่ (GPS 47P 0707472, 1512996)
Measurement Date May 27 - May 28, 2023
Measurement by Autit Aoonsim
Sound Level meter Serial No. 572552

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	48.6	72.4	39.4
11:00 AM - 12:00 PM	47.8	72.2	38.5
12:00 PM - 01:00 PM	48.9	72.6	37.0
01:00 PM - 02:00 PM	44.2	68.0	35.9
02:00 PM - 03:00 PM	47.4	70.7	37.5
03:00 PM - 04:00 PM	45.6	67.1	39.2
04:00 PM - 05:00 PM	49.6	73.0	40.7
05:00 PM - 06:00 PM	50.4	71.1	42.8
06:00 PM - 07:00 PM	49.6	71.2	40.7
07:00 PM - 08:00 PM	51.0	69.5	47.5
08:00 PM - 09:00 PM	46.5	62.6	44.3
09:00 PM - 10:00 PM	45.3	67.0	41.6
10:00 PM - 11:00 PM	44.9	72.0	40.2
11:00 PM - 12:00 AM	42.9	68.3	38.8
12:00 AM - 01:00 AM	45.1	67.1	39.9
01:00 AM - 02:00 AM	46.7	65.9	41.9
02:00 AM - 03:00 AM	46.8	69.4	41.5
03:00 AM - 04:00 AM	54.9	78.2	45.0
04:00 AM - 05:00 AM	53.5	88.7	45.6
05:00 AM - 06:00 AM	51.6	81.9	48.3
06:00 AM - 07:00 AM	54.8	82.0	45.3
07:00 AM - 08:00 AM	53.2	80.9	46.1
08:00 AM - 09:00 AM	50.8	75.2	42.0
09:00 AM - 10:00 AM	53.4	80.2	40.7

Leq Average 24 hrs. (dB(A))

50.2

Lmax (dB(A))

88.7

L90 (dB(A))

40.7

Ldn (dB(A))

57.3

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

Technical Management

Orawan R.

Orawan Rakyoung
Scientist (3)

Approved by

Supot S.

Supot Salamteh
Section Head

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S:\Reports\Air Noise.rpt (6:38PM)



Analysis / Test Report

Client : Asia Industrial Estate Co., Ltd.

49 Soi Pipat (Silom 3) Asia Sermkij Tower, 7th Floor, Silom Road, Bang Rak, Bangkok Thailand 10500

P/O : สัญญาจ้าง

Project Name : Project AIE (Suwanaphumi)

Project Location :

Lot ID: 2358287

Date Received : May 30, 2023

Date Reported : Jun 08, 2023

Report Number: 2677474-1

Page 1 of 1

Sample Number 2358287-5
Parameter Noise (Leq 24 hrs.)
Location N2 : โรงพินาศส่งเสริมสุขภาพตามคลองสวน (GPS 47P 0708266, 1510639)
Measurement Date May 24 - May 25, 2023
Measurement by Autit Aoonsim
Sound Level meter Serial No. 296512

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	51.7	68.8	49.3
12:00 PM - 01:00 PM	51.3	69.8	48.2
01:00 PM - 02:00 PM	51.4	69.7	49.0
02:00 PM - 03:00 PM	51.3	67.6	49.0
03:00 PM - 04:00 PM	48.2	66.3	45.4
04:00 PM - 05:00 PM	48.7	65.0	46.0
05:00 PM - 06:00 PM	50.5	70.6	48.0
06:00 PM - 07:00 PM	49.4	71.3	46.4
07:00 PM - 08:00 PM	49.4	66.9	46.4
08:00 PM - 09:00 PM	48.7	69.5	46.5
09:00 PM - 10:00 PM	49.2	71.5	45.6
10:00 PM - 11:00 PM	49.4	70.0	46.2
11:00 PM - 12:00 AM	54.5	82.8	46.3
12:00 AM - 01:00 AM	49.0	64.5	46.5
01:00 AM - 02:00 AM	48.4	64.6	46.9
02:00 AM - 03:00 AM	56.3	82.5	50.5
03:00 AM - 04:00 AM	51.0	66.9	48.6
04:00 AM - 05:00 AM	48.8	69.7	47.0
05:00 AM - 06:00 AM	51.4	68.1	47.2
06:00 AM - 07:00 AM	52.3	81.2	48.4
07:00 AM - 08:00 AM	50.9	72.3	47.5
08:00 AM - 09:00 AM	51.8	71.5	48.4
09:00 AM - 10:00 AM	52.7	68.6	49.7
10:00 AM - 11:00 AM	50.0	68.8	46.6

Leq Average 24 hrs. (dB(A))

51.2

Lmax (dB(A))

82.8

L90 (dB(A))

47.0

Ldn (dB(A))

58.3

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

Technical Management

Orawan R.

Orawan Rak Yong
Scientist (3)

Approved by

Supot S.

Supot Salamteh
Section Head

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S:\Reports\Air Noise.rpt (6:38PM)



Analysis / Test Report

Client : Asia Industrial Estate Co., Ltd.

49 Soi Pipat (Silom 3) Asia Sermkij Tower, 7th Floor, Silom Road, Bang Rak, Bangkok Thailand 10500

P/O : สัญญาจ้าง

Project Name : Project AIE (Suwanaphumi)

Project Location :

Lot ID: 2358287

Date Received : May 30, 2023

Date Reported : Jun 08, 2023

Report Number: 2677475-1

Page 1 of 1

Sample Number 2358287-6
Parameter Noise (Leq 24 hrs.)
Location N2 : โรงพินาศส่งเสริมสุขภาพตามคลองสวน (GPS 47P 0708266, 1510639)
Measurement Date May 25 - May 26, 2023
Measurement by Autit Aoonsim
Sound Level meter Serial No. 296512

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	47.7	69.9	42.9
12:00 PM - 01:00 PM	50.6	70.9	48.4
01:00 PM - 02:00 PM	48.7	65.4	45.9
02:00 PM - 03:00 PM	47.9	63.9	45.2
03:00 PM - 04:00 PM	48.4	69.0	45.9
04:00 PM - 05:00 PM	49.8	69.8	46.7
05:00 PM - 06:00 PM	51.5	67.3	48.8
06:00 PM - 07:00 PM	52.3	73.5	49.8
07:00 PM - 08:00 PM	53.1	79.9	50.2
08:00 PM - 09:00 PM	52.8	88.3	48.4
09:00 PM - 10:00 PM	52.8	62.0	51.0
10:00 PM - 11:00 PM	53.0	65.5	51.2
11:00 PM - 12:00 AM	51.4	63.3	49.1
12:00 AM - 01:00 AM	53.2	64.2	52.0
01:00 AM - 02:00 AM	52.2	67.4	49.9
02:00 AM - 03:00 AM	53.0	67.3	50.9
03:00 AM - 04:00 AM	53.3	62.6	52.1
04:00 AM - 05:00 AM	53.8	86.2	49.6
05:00 AM - 06:00 AM	52.2	60.7	49.5
06:00 AM - 07:00 AM	56.0	76.3	53.3
07:00 AM - 08:00 AM	53.7	66.6	51.8
08:00 AM - 09:00 AM	52.7	72.0	50.8
09:00 AM - 10:00 AM	52.3	68.6	49.9
10:00 AM - 11:00 AM	51.3	65.6	48.7

Leq Average 24 hrs. (dB(A))

52.2

Lmax (dB(A))

88.3

L90 (dB(A))

49.6

Ldn (dB(A))

59.5

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

Technical Management

Orawan R.

Orawan Rak Yong
Scientist (3)

Approved by

Supot S.

Supot Salamteh
Section Head

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Analysis / Test Report

Client : Asia Industrial Estate Co., Ltd.

49 Soi Pipat (Silom 3) Asia Sermkij Tower, 7th Floor, Silom Road, Bang Rak, Bangkok Thailand 10500

P/O : สัตยการจ้าง

Project Name : Project AIE (Suwanaphumi)

Project Location :

Lot ID: 2358287

Date Received : May 30, 2023

Date Reported : Jun 08, 2023

Report Number: 2677476-1

Page 1 of 1

Sample Number 2358287-7
Parameter Noise (Leq 24 hrs.)
Location N2 : โรงพินาศส่งเสริมสุขภาพตามคลองสวน (GPS 47P 0708266, 1510639)
Measurement Date May 26 - May 27, 2023
Measurement by Autit Aoonsim
Sound Level meter Serial No. 296512

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	48.9	70.6	45.2
12:00 PM - 01:00 PM	49.5	77.7	46.6
01:00 PM - 02:00 PM	48.5	67.3	45.9
02:00 PM - 03:00 PM	49.1	76.9	46.6
03:00 PM - 04:00 PM	49.2	72.2	46.0
04:00 PM - 05:00 PM	50.4	81.7	46.1
05:00 PM - 06:00 PM	48.7	68.5	45.9
06:00 PM - 07:00 PM	47.5	73.0	45.0
07:00 PM - 08:00 PM	52.3	67.3	50.1
08:00 PM - 09:00 PM	46.5	68.9	44.6
09:00 PM - 10:00 PM	45.3	64.1	43.8
10:00 PM - 11:00 PM	46.5	61.0	43.9
11:00 PM - 12:00 AM	48.0	68.6	44.9
12:00 AM - 01:00 AM	45.5	65.6	44.0
01:00 AM - 02:00 AM	46.5	66.0	44.5
02:00 AM - 03:00 AM	50.7	66.5	47.3
03:00 AM - 04:00 AM	69.5	108.0	56.2
04:00 AM - 05:00 AM	66.4	104.2	56.0
05:00 AM - 06:00 AM	52.8	74.0	48.6
06:00 AM - 07:00 AM	53.7	77.7	49.4
07:00 AM - 08:00 AM	52.2	74.7	49.5
08:00 AM - 09:00 AM	51.8	78.4	48.9
09:00 AM - 10:00 AM	52.1	66.5	50.2
10:00 AM - 11:00 AM	49.8	68.4	47.6

Leq Average 24 hrs. (dB(A)) 58.1

Lmax (dB(A)) 108.0

L90 (dB(A)) 46.1

Ldn (dB(A)) 67.7

Standard (dB(A)) 70

Reference Method : ISO1996-1 and 1996-2

Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป

2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548

Technical Management

Orawan R.

Orawan Rak Yong
Scientist (3)

Approved by

Supot S.

Supot Salamteh
Section Head

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Analysis / Test Report

Client : Asia Industrial Estate Co., Ltd.

49 Soi Pipat (Silom 3) Asia Sermkij Tower, 7th Floor, Silom Road, Bang Rak, Bangkok Thailand 10500

P/O : สัตยการจ้าง

Project Name : Project AIE (Suwanaphumi)

Project Location :

Lot ID: 2358287

Date Received : May 30, 2023

Date Reported : Jun 08, 2023

Report Number: 2677477-1

Page 1 of 1

Sample Number 2358287-8
Parameter Noise (Leq 24 hrs.)
Location N2 : โรงพินาศส่งเสริมสุขภาพตามคลองสวน (GPS 47P 0708266, 1510639)
Measurement Date May 27 - May 28, 2023
Measurement by Autit Aoonsim
Sound Level meter Serial No. 296512

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	46.9	66.7	43.9
12:00 PM - 01:00 PM	46.6	68.1	44.3
01:00 PM - 02:00 PM	47.2	72.2	43.7
02:00 PM - 03:00 PM	46.8	64.4	44.0
03:00 PM - 04:00 PM	45.3	68.7	43.1
04:00 PM - 05:00 PM	48.0	71.6	44.5
05:00 PM - 06:00 PM	47.6	66.8	44.8
06:00 PM - 07:00 PM	51.9	80.3	44.6
07:00 PM - 08:00 PM	48.9	61.8	46.2
08:00 PM - 09:00 PM	47.9	63.1	46.6
09:00 PM - 10:00 PM	46.6	64.3	45.3
10:00 PM - 11:00 PM	54.3	89.4	44.3
11:00 PM - 12:00 AM	48.3	77.1	45.7
12:00 AM - 01:00 AM	60.9	73.1	58.2
01:00 AM - 02:00 AM	45.3	68.3	44.2
02:00 AM - 03:00 AM	50.2	72.9	47.5
03:00 AM - 04:00 AM	50.5	74.4	45.1
04:00 AM - 05:00 AM	54.0	75.7	49.3
05:00 AM - 06:00 AM	54.9	85.7	52.3
06:00 AM - 07:00 AM	55.7	78.2	53.7
07:00 AM - 08:00 AM	52.0	68.2	49.9
08:00 AM - 09:00 AM	53.1	70.3	49.2
09:00 AM - 10:00 AM	51.1	74.9	47.3
10:00 AM - 11:00 AM	50.5	79.8	45.2

Leq Average 24 hrs. (dB(A)) 52.3

Lmax (dB(A)) 89.4

L90 (dB(A)) 45.2

Ldn (dB(A)) 60.8

Standard (dB(A)) 70

Reference Method : ISO1996-1 and 1996-2

Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป

2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548

Technical Management

Orawan R.

Orawan Rak Yong
Scientist (3)

Approved by

Supot S.

Supot Salamteh
Section Head

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Analysis / Test Report

Client : Asia Industrial Estate Co., Ltd.

49 Soi Pipat (Silom 3) Asia Sermkij Tower, 7th Floor, Silom Road, Bang Rak, Bangkok Thailand 10500

P/O : สัญญาจ้าง

Project Name : Project AIE (Suwanaphumi)

Project Location :

Lot ID: 2358287

Date Received : May 30, 2023

Date Reported : Jun 08, 2023

Report Number: 2677478-1

Page 1 of 1

Sample Number 2358287-9
Parameter Noise (Leq 24 hrs.)
Location N3 : โรงเรียนธรรมศาสตร์วิทยาคาร (GPS 47P 0706086, 1507301)
Measurement Date May 24 - May 25, 2023
Measurement by Autit Aoonsim
Sound Level meter Serial No. 296513

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:00 PM - 01:00 PM	57.5	80.3	48.2
01:00 PM - 02:00 PM	58.4	81.6	47.0
02:00 PM - 03:00 PM	49.2	74.6	41.2
03:00 PM - 04:00 PM	51.5	80.9	42.2
04:00 PM - 05:00 PM	54.6	80.5	43.8
05:00 PM - 06:00 PM	50.3	76.2	42.1
06:00 PM - 07:00 PM	46.5	66.1	42.6
07:00 PM - 08:00 PM	46.5	68.3	42.8
08:00 PM - 09:00 PM	46.7	54.8	45.6
09:00 PM - 10:00 PM	47.2	59.0	46.2
10:00 PM - 11:00 PM	48.5	60.3	47.4
11:00 PM - 12:00 AM	51.8	60.8	50.7
12:00 AM - 01:00 AM	52.3	72.8	50.7
01:00 AM - 02:00 AM	50.5	64.8	48.6
02:00 AM - 03:00 AM	62.0	93.9	56.0
03:00 AM - 04:00 AM	58.8	76.3	56.8
04:00 AM - 05:00 AM	51.1	62.2	49.9
05:00 AM - 06:00 AM	52.8	61.5	51.3
06:00 AM - 07:00 AM	53.1	74.3	50.4
07:00 AM - 08:00 AM	51.4	79.6	47.7
08:00 AM - 09:00 AM	59.1	83.2	48.3
09:00 AM - 10:00 AM	55.9	79.2	45.6
10:00 AM - 11:00 AM	50.6	72.7	44.3
11:00 AM - 12:00 PM	48.5	69.8	43.5

Leq Average 24 hrs. (dB(A))

54.6

Lmax (dB(A))

93.9

L90 (dB(A))

47.0

Ldn (dB(A))

61.9

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

Technical Management

Orawan R.

Orawan Rakyong
Scientist (3)

Approved by

Supot S.

Supot Salamteh
Section Head

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Analysis / Test Report

Client : Asia Industrial Estate Co., Ltd.

49 Soi Pipat (Silom 3) Asia Sermkij Tower, 7th Floor, Silom Road, Bang Rak, Bangkok Thailand 10500

P/O : สัญญาจ้าง

Project Name : Project AIE (Suwanaphumi)

Project Location :

Lot ID: 2358287

Date Received : May 30, 2023

Date Reported : Jun 08, 2023

Report Number: 2677479-1

Page 1 of 1

Sample Number 2358287-10
Parameter Noise (Leq 24 hrs.)
Location N3 : โรงเรียนธรรมศาสตร์วิทยาคาร (GPS 47P 0706086, 1507301)
Measurement Date May 25 - May 26, 2023
Measurement by Autit Aoonsim
Sound Level meter Serial No. 296513

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:00 PM - 01:00 PM	55.6	77.3	47.0
01:00 PM - 02:00 PM	61.1	82.0	47.8
02:00 PM - 03:00 PM	52.8	73.9	42.5
03:00 PM - 04:00 PM	56.3	86.7	45.7
04:00 PM - 05:00 PM	51.0	75.5	42.8
05:00 PM - 06:00 PM	54.5	85.0	41.0
06:00 PM - 07:00 PM	50.0	77.5	42.1
07:00 PM - 08:00 PM	51.0	74.1	43.6
08:00 PM - 09:00 PM	50.0	60.4	49.0
09:00 PM - 10:00 PM	50.6	65.3	49.4
10:00 PM - 11:00 PM	50.3	64.3	48.7
11:00 PM - 12:00 AM	50.7	55.3	49.6
12:00 AM - 01:00 AM	50.8	55.7	49.7
01:00 AM - 02:00 AM	49.6	59.8	48.6
02:00 AM - 03:00 AM	48.5	74.5	46.7
03:00 AM - 04:00 AM	48.4	64.8	46.9
04:00 AM - 05:00 AM	52.2	67.1	50.0
05:00 AM - 06:00 AM	56.2	70.5	54.8
06:00 AM - 07:00 AM	55.3	80.1	52.1
07:00 AM - 08:00 AM	55.4	80.3	48.5
08:00 AM - 09:00 AM	55.2	80.9	46.4
09:00 AM - 10:00 AM	53.1	74.3	45.2
10:00 AM - 11:00 AM	52.1	74.9	43.8
11:00 AM - 12:00 PM	51.6	75.1	45.8

Leq Average 24 hrs. (dB(A))

53.8

Lmax (dB(A))

86.7

L90 (dB(A))

46.9

Ldn (dB(A))

59.1

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

Technical Management

Orawan R.

Orawan Rakyong
Scientist (3)

Approved by

Supot S.

Supot Salamteh
Section Head

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S:\Reports\Air Noise.rpt (6:39PM)



Analysis / Test Report

Client : Asia Industrial Estate Co., Ltd.

49 Soi Pipat (Silom 3) Asia Sermkij Tower, 7th Floor, Silom Road, Bang Rak, Bangkok Thailand 10500

P/O : สัญญาจ้าง

Project Name : Project AIE (Suwanaphumi)

Project Location :

Lot ID: 2358287

Date Received : May 30, 2023

Date Reported : Jun 08, 2023

Report Number: 2677480-1

Page 1 of 1

Sample Number 2358287-11
Parameter Noise (Leq 24 hrs.)
Location N3 : โรงเรียนธรรมศาสตร์วิทยากร (GPS 47P 0706086, 1507301)
Measurement Date May 26 - May 27, 2023
Measurement by Autit Aoonsim
Sound Level meter Serial No. 296513

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:00 PM - 01:00 PM	58.0	77.7	48.6
01:00 PM - 02:00 PM	59.0	82.4	47.9
02:00 PM - 03:00 PM	48.6	73.7	43.5
03:00 PM - 04:00 PM	52.4	74.2	42.7
04:00 PM - 05:00 PM	50.1	72.9	42.6
05:00 PM - 06:00 PM	49.0	75.0	41.0
06:00 PM - 07:00 PM	46.5	68.2	42.8
07:00 PM - 08:00 PM	48.8	70.2	45.1
08:00 PM - 09:00 PM	51.2	64.9	50.1
09:00 PM - 10:00 PM	51.6	62.7	50.7
10:00 PM - 11:00 PM	46.5	62.2	44.7
11:00 PM - 12:00 AM	44.8	55.9	43.4
12:00 AM - 01:00 AM	45.3	55.7	43.4
01:00 AM - 02:00 AM	44.7	54.3	43.1
02:00 AM - 03:00 AM	45.3	64.4	43.0
03:00 AM - 04:00 AM	69.5	107.8	45.7
04:00 AM - 05:00 AM	64.1	89.6	60.8
05:00 AM - 06:00 AM	67.9	99.0	58.1
06:00 AM - 07:00 AM	54.8	72.4	53.0
07:00 AM - 08:00 AM	54.0	71.2	51.7
08:00 AM - 09:00 AM	51.9	69.2	49.9
09:00 AM - 10:00 AM	51.4	69.4	49.1
10:00 AM - 11:00 AM	53.2	74.0	50.8
11:00 AM - 12:00 PM	50.3	77.1	46.5

Leq Average 24 hrs. (dB(A))

59.5

Lmax (dB(A))

107.8

L90 (dB(A))

45.7

Ldn (dB(A))

68.8

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

Technical Management

Orawan R.

Orawan Rakyong
Scientist (3)

Approved by

Supot S.

Supot Salamteh
Section Head

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S:\Reports\Air Noise.rpt (6:39PM)



Analysis / Test Report

Client : Asia Industrial Estate Co., Ltd.

49 Soi Pipat (Silom 3) Asia Sermkij Tower, 7th Floor, Silom Road, Bang Rak, Bangkok Thailand 10500

P/O : สัญญาจ้าง

Project Name : Project AIE (Suwanaphumi)

Project Location :

Lot ID: 2358287

Date Received : May 30, 2023

Date Reported : Jun 08, 2023

Report Number: 2677481-1

Page 1 of 1

Sample Number 2358287-12
Parameter Noise (Leq 24 hrs.)
Location N3 : โรงเรียนธรรมศาสตร์วิทยากร (GPS 47P 0706086, 1507301)
Measurement Date May 27 - May 28, 2023
Measurement by Autit Aoonsim
Sound Level meter Serial No. 296513

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:00 PM - 01:00 PM	49.2	71.0	45.0
01:00 PM - 02:00 PM	47.3	78.8	44.2
02:00 PM - 03:00 PM	49.9	71.8	42.7
03:00 PM - 04:00 PM	49.7	80.2	42.0
04:00 PM - 05:00 PM	48.3	75.1	41.0
05:00 PM - 06:00 PM	48.0	86.5	41.0
06:00 PM - 07:00 PM	46.4	69.0	42.5
07:00 PM - 08:00 PM	47.4	70.0	44.7
08:00 PM - 09:00 PM	52.1	62.2	51.2
09:00 PM - 10:00 PM	50.3	58.2	49.5
10:00 PM - 11:00 PM	51.4	57.0	49.1
11:00 PM - 12:00 AM	50.8	59.7	49.7
12:00 AM - 01:00 AM	47.9	57.8	46.9
01:00 AM - 02:00 AM	45.4	57.3	44.1
02:00 AM - 03:00 AM	45.5	70.5	43.4
03:00 AM - 04:00 AM	46.1	64.3	43.9
04:00 AM - 05:00 AM	55.3	73.1	50.3
05:00 AM - 06:00 AM	56.2	79.1	53.9
06:00 AM - 07:00 AM	55.8	76.3	53.8
07:00 AM - 08:00 AM	56.1	77.4	52.9
08:00 AM - 09:00 AM	55.7	72.6	53.1
09:00 AM - 10:00 AM	53.1	76.0	48.5
10:00 AM - 11:00 AM	53.4	82.5	50.0
11:00 AM - 12:00 PM	52.0	75.6	49.1

Leq Average 24 hrs. (dB(A))

51.9

Lmax (dB(A))

86.5

L90 (dB(A))

46.9

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

Technical Management

Orawan R.

Orawan Rakyong
Scientist (3)

Approved by

Supot S.

Supot Salamteh
Section Head

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Analysis / Test Report

Client : Asia Industrial Estate Co., Ltd.

49 Soi Pipat (Silom 3) Asia Sermkij Tower, 7th Floor, Silom Road, Bang Rak, Bangkok Thailand 10500

P/O : สัตยการจ้าง

Project Name : Project AIE (Suwanaphumi)

Project Location :

Lot ID: 2358287

Date Received : May 30, 2023

Date Reported : Jun 08, 2023

Report Number: 2677482-1

Page 1 of 1

Sample Number 2358287-13
Parameter Noise (Leq 24 hrs.)
Location N4 : โรงเรียนคลองเปรม (เขตกองนาฬาริม) (GPS 47P 0704662, 1510422)
Measurement Date May 24 - May 25, 2023
Measurement by Autit Aoonsim
Sound Level meter Serial No. 572562

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
01:00 PM - 02:00 PM	51.4	79.3	40.2
02:00 PM - 03:00 PM	51.0	74.2	38.9
03:00 PM - 04:00 PM	53.4	78.0	41.8
04:00 PM - 05:00 PM	54.9	72.2	47.8
05:00 PM - 06:00 PM	55.3	71.7	52.2
06:00 PM - 07:00 PM	56.7	80.7	50.3
07:00 PM - 08:00 PM	47.2	67.7	43.7
08:00 PM - 09:00 PM	45.1	67.3	42.6
09:00 PM - 10:00 PM	48.3	73.6	42.6
10:00 PM - 11:00 PM	53.5	82.2	41.3
11:00 PM - 12:00 AM	54.1	81.6	42.9
12:00 AM - 01:00 AM	52.0	63.9	48.3
01:00 AM - 02:00 AM	65.6	98.5	58.2
02:00 AM - 03:00 AM	60.4	77.1	56.9
03:00 AM - 04:00 AM	49.2	67.4	44.9
04:00 AM - 05:00 AM	46.5	66.2	43.6
05:00 AM - 06:00 AM	51.5	69.1	46.1
06:00 AM - 07:00 AM	55.7	76.8	48.4
07:00 AM - 08:00 AM	54.5	78.6	47.8
08:00 AM - 09:00 AM	53.7	75.5	44.5
09:00 AM - 10:00 AM	52.1	76.4	41.4
10:00 AM - 11:00 AM	51.3	74.0	40.6
11:00 AM - 12:00 PM	53.8	83.1	39.2
12:00 PM - 01:00 PM	51.4	77.5	40.2

Leq Average 24 hrs. (dB(A)) 55.7

Lmax (dB(A)) 98.5

L90 (dB(A)) 43.6

Ldn (dB(A)) 64.2

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

Technical Management

Orawan R.

Orawan Rakyong
Scientist (3)

Approved by

Supot S.

Supot Salamteh
Section Head

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Analysis / Test Report

Client : Asia Industrial Estate Co., Ltd.

49 Soi Pipat (Silom 3) Asia Sermkij Tower, 7th Floor, Silom Road, Bang Rak, Bangkok Thailand 10500

P/O : สัตยการจ้าง

Project Name : Project AIE (Suwanaphumi)

Project Location :

Lot ID: 2358287

Date Received : May 30, 2023

Date Reported : Jun 08, 2023

Report Number: 2677483-1

Page 1 of 1

Sample Number 2358287-14
Parameter Noise (Leq 24 hrs.)
Location N4 : โรงเรียนคลองเปรม (เขตกองนาฬาริม) (GPS 47P 0704662, 1510422)
Measurement Date May 25 - May 26, 2023
Measurement by Autit Aoonsim
Sound Level meter Serial No. 572562

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
01:00 PM - 02:00 PM	54.7	78.0	45.1
02:00 PM - 03:00 PM	48.3	69.1	41.6
03:00 PM - 04:00 PM	50.3	77.0	42.8
04:00 PM - 05:00 PM	48.9	70.7	41.7
05:00 PM - 06:00 PM	53.6	82.0	43.0
06:00 PM - 07:00 PM	51.5	72.5	43.0
07:00 PM - 08:00 PM	57.7	85.5	46.4
08:00 PM - 09:00 PM	52.7	78.6	45.1
09:00 PM - 10:00 PM	47.1	68.0	44.4
10:00 PM - 11:00 PM	50.5	72.1	46.6
11:00 PM - 12:00 AM	56.9	83.9	48.2
12:00 AM - 01:00 AM	49.9	71.7	45.8
01:00 AM - 02:00 AM	52.2	76.6	43.2
02:00 AM - 03:00 AM	59.5	83.9	42.0
03:00 AM - 04:00 AM	59.3	83.9	41.6
04:00 AM - 05:00 AM	46.0	67.2	41.2
05:00 AM - 06:00 AM	55.3	82.8	44.1
06:00 AM - 07:00 AM	54.0	72.7	45.0
07:00 AM - 08:00 AM	56.5	83.7	43.2
08:00 AM - 09:00 AM	54.4	77.9	43.5
09:00 AM - 10:00 AM	53.2	75.0	45.4
10:00 AM - 11:00 AM	51.4	77.2	44.5
11:00 AM - 12:00 PM	52.6	78.1	40.8
12:00 PM - 01:00 PM	48.7	78.1	36.2

Leq Average 24 hrs. (dB(A)) 54.2

Lmax (dB(A)) 85.5

L90 (dB(A)) 43.2

Ldn (dB(A)) 61.7

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

Technical Management

Orawan R.

Orawan Rakyong
Scientist (3)

Approved by

Supot S.

Supot Salamteh
Section Head

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Analysis / Test Report

Client : Asia Industrial Estate Co., Ltd.

49 Soi Pipat (Silom 3) Asia Sermkij Tower, 7th Floor, Silom Road, Bang Rak, Bangkok Thailand 10500

P/O : สัญญาจ้าง

Project Name : Project AIE (Suwanaphumi)

Project Location :

Lot ID: 2358287

Date Received : May 30, 2023

Date Reported : Jun 08, 2023

Report Number: 2677484-1

Page 1 of 1

Sample Number 2358287-15
Parameter Noise (Leq 24 hrs.)
Location N4 : โรงเรียนคลองเปรม (เขตกองนาฬาริม) (GPS 47P 0704662, 1510422)
Measurement Date May 26 - May 27, 2023
Measurement by Autit Aoonsim
Sound Level meter Serial No. 572562

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
01:00 PM - 02:00 PM	55.9	82.2	37.5
02:00 PM - 03:00 PM	51.0	72.8	37.5
03:00 PM - 04:00 PM	51.9	79.2	39.8
04:00 PM - 05:00 PM	52.3	82.7	43.8
05:00 PM - 06:00 PM	52.9	72.4	44.0
06:00 PM - 07:00 PM	54.1	75.6	40.9
07:00 PM - 08:00 PM	48.6	73.2	43.0
08:00 PM - 09:00 PM	50.3	74.3	46.0
09:00 PM - 10:00 PM	45.2	67.0	43.0
10:00 PM - 11:00 PM	44.5	70.2	42.2
11:00 PM - 12:00 AM	44.0	55.3	42.6
12:00 AM - 01:00 AM	49.0	74.0	41.6
01:00 AM - 02:00 AM	52.1	79.1	39.8
02:00 AM - 03:00 AM	69.4	108.2	53.6
03:00 AM - 04:00 AM	64.3	92.2	57.1
04:00 AM - 05:00 AM	55.1	84.2	45.9
05:00 AM - 06:00 AM	51.8	68.5	47.2
06:00 AM - 07:00 AM	57.1	79.7	48.6
07:00 AM - 08:00 AM	55.6	77.7	47.0
08:00 AM - 09:00 AM	54.6	74.2	43.9
09:00 AM - 10:00 AM	52.6	74.5	41.9
10:00 AM - 11:00 AM	54.6	78.2	45.1
11:00 AM - 12:00 PM	50.8	71.4	42.5
12:00 PM - 01:00 PM	52.1	74.7	41.1

Leq Average 24 hrs. (dB(A)) 58.1

Lmax (dB(A)) 108.2

L90 (dB(A)) 43.0

Ldn (dB(A)) 67.3

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

Technical Management

Orawan R.

Orawan Rakyong
Scientist (3)

Approved by

Supot S.

Supot Salamteh
Section Head

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Analysis / Test Report

Client : Asia Industrial Estate Co., Ltd.

49 Soi Pipat (Silom 3) Asia Sermkij Tower, 7th Floor, Silom Road, Bang Rak, Bangkok Thailand 10500

P/O : สัญญาจ้าง

Project Name : Project AIE (Suwanaphumi)

Project Location :

Lot ID: 2358287

Date Received : May 30, 2023

Date Reported : Jun 08, 2023

Report Number: 2677485-1

Page 1 of 1

Sample Number 2358287-16
Parameter Noise (Leq 24 hrs.)
Location N4 : โรงเรียนคลองเปรม (เขตกองนาฬาริม) (GPS 47P 0704662, 1510422)
Measurement Date May 27 - May 28, 2023
Measurement by Autit Aoonsim
Sound Level meter Serial No. 572562

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
01:00 PM - 02:00 PM	50.9	77.8	41.5
02:00 PM - 03:00 PM	46.2	68.1	38.9
03:00 PM - 04:00 PM	50.3	74.2	41.1
04:00 PM - 05:00 PM	50.6	73.6	41.6
05:00 PM - 06:00 PM	50.4	72.3	41.7
06:00 PM - 07:00 PM	50.4	72.8	41.5
07:00 PM - 08:00 PM	49.8	75.8	45.4
08:00 PM - 09:00 PM	51.7	74.2	46.6
09:00 PM - 10:00 PM	48.9	67.2	45.2
10:00 PM - 11:00 PM	46.5	62.3	43.6
11:00 PM - 12:00 AM	45.9	66.5	42.8
12:00 AM - 01:00 AM	54.5	80.2	43.5
01:00 AM - 02:00 AM	56.7	84.9	42.5
02:00 AM - 03:00 AM	55.4	84.5	41.8
03:00 AM - 04:00 AM	51.9	70.7	45.3
04:00 AM - 05:00 AM	52.7	80.9	43.2
05:00 AM - 06:00 AM	52.3	73.9	49.1
06:00 AM - 07:00 AM	57.8	77.5	49.7
07:00 AM - 08:00 AM	53.8	76.0	46.6
08:00 AM - 09:00 AM	53.2	74.9	43.7
09:00 AM - 10:00 AM	53.4	77.1	42.3
10:00 AM - 11:00 AM	57.7	83.2	41.3
11:00 AM - 12:00 PM	55.4	80.2	40.0
12:00 PM - 01:00 PM	53.6	80.8	38.7

Leq Average 24 hrs. (dB(A)) 53.2

Lmax (dB(A)) 84.9

L90 (dB(A)) 42.5

Ldn (dB(A)) 60.3

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

Technical Management

Orawan R.

Orawan Rakyong
Scientist (3)

Approved by

Supot S.

Supot Salamteh
Section Head

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1337-83/ EMAIL

S:\Reports\Air Noise.rpt (6:40PM)



Analysis / Test Report

Client : Asia Industrial Estate Co., Ltd.

49 Soi Pipat (Silom 3) Asia Sermkij Tower, 7th Floor, Silom Road, Bang Rak, Bangkok Thailand 10500

P/O : สัญญาจ้าง

Project Name : Project AIE (Suwanaphumi)

Project Location :

Lot ID: 2358342

Date Received : May 24, 2023

Date Reported : Jun 01, 2023

Report Number: 2657824-1

Page 1 of 1

Sample Number : 2358342-1
Parameter : Noise (Leq 24 hrs.)
Location : บ่อน้ำดื่มหน้าเสาธงที่ 1 (GPS 47P 0707112, 1510612)
Measurement Date : May 22 - May 23, 2023
Measurement by : Autit Aoonsim
Sound Level meter : Serial No. 858521

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:00 PM - 01:00 PM	45.7	67.5	39.9
01:00 PM - 02:00 PM	45.7	65.6	40.5
02:00 PM - 03:00 PM	44.7	63.4	40.9
03:00 PM - 04:00 PM	46.5	70.3	41.7
04:00 PM - 05:00 PM	47.5	68.4	42.9
05:00 PM - 06:00 PM	47.2	66.2	41.9
06:00 PM - 07:00 PM	48.8	71.4	43.3
07:00 PM - 08:00 PM	47.1	66.7	43.2
08:00 PM - 09:00 PM	45.1	66.5	41.0
09:00 PM - 10:00 PM	42.8	63.0	40.1
10:00 PM - 11:00 PM	53.9	65.7	52.5
11:00 PM - 12:00 AM	59.0	64.2	58.4
12:00 AM - 01:00 AM	59.3	62.0	58.5
01:00 AM - 02:00 AM	59.8	62.7	58.5
02:00 AM - 03:00 AM	57.5	64.1	56.4
03:00 AM - 04:00 AM	53.6	68.9	52.7
04:00 AM - 05:00 AM	52.7	57.7	52.0
05:00 AM - 06:00 AM	54.9	73.1	53.1
06:00 AM - 07:00 AM	55.0	68.2	53.6
07:00 AM - 08:00 AM	53.8	72.2	52.4
08:00 AM - 09:00 AM	47.8	66.6	42.0
09:00 AM - 10:00 AM	46.6	69.2	41.3
10:00 AM - 11:00 AM	45.0	68.2	40.2
11:00 AM - 12:00 PM	52.9	74.4	50.9
Leq Average 24 hrs. (dB(A))	53.6		
Lmax (dB(A))		74.4	
L90 (dB(A))			43.2
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

Technical Management

Orawan R.

Orawan Rakhyong
Scientist (3)

Approved by

Supot S.

Supot Salamteh
Section Head

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S:\Reports\Air Noise rpt (5:07PM)



Analysis / Test Report

Client : Asia Industrial Estate Co., Ltd.

49 Soi Pipat (Silom 3) Asia Sermkij Tower, 7th Floor, Silom Road, Bang Rak, Bangkok Thailand 10500

P/O : สัญญาจ้าง

Project Name : Project AIE (Suwanaphumi)

Project Location :



TESTING

No.0009

Lot ID: 2358316

Date Received : May 30, 2023

Date Reported : Jun 09, 2023

Report Number : 2678441-1

Page 1 of 3

Sample No. : 2358316-1
Parameter : เสียงรบกวน
Location : โรงเรียนสุเหร่าคลองใหญ่ (GPS 47P 0707472, 1512996)
Measurement Date : May 24 - 25, 2023
Measurement by : Autit Aoonsim
Sound Level Meter : 00572552

เวลา	ระดับเสียง (dB(A))				ปรับค่าเสียงจากแหล่งกำเนิด		เสียงพื้นฐาน	ค่าระดับการรบกวน
	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีกิจกรรม	ผลต่าง	ตัวปรับค่า	กลางวัน (A-C)	กลางคืน (A-C)+3		
10:00 AM - 11:00 AM	50.7	52.8	-2.1	7.0	43.7	-	45.4	-1.7
11:00 AM - 12:00 PM	62.8	57.7	5.1	1.5	61.3	-	50.0	11.3
12:00 PM - 01:00 PM	62.6	61.2	1.4	7.0	55.6	-	53.6	2.0
01:00 PM - 02:00 PM	52.9	59.6	-6.7	7.0	45.9	-	51.8	-5.9
02:00 PM - 03:00 PM	53.3	64.4	-11.1	7.0	46.3	-	55.0	-8.7
03:00 PM - 04:00 PM	69.8	58.3	11.5	0.5	69.3	-	50.0	19.3
04:00 PM - 05:00 PM	48.4	49.3	-0.9	7.0	41.4	-	39.9	1.5
05:00 PM - 06:00 PM	52.0	53.1	-1.1	7.0	45.0	-	39.6	5.4
06:00 PM - 07:00 PM	48.9	56.7	-7.8	7.0	41.9	-	51.3	-9.4
07:00 PM - 08:00 PM	49.4	49.2	0.2	7.0	42.4	-	41.8	0.6
08:00 PM - 09:00 PM	46.4	47.5	-1.1	7.0	39.4	-	44.1	-4.7
09:00 PM - 10:00 PM	48.4	48.6	-0.2	7.0	41.4	-	43.7	-2.3
10:00 PM - 10:05 PM	43.4	47.6	-4.2	7.0	-	39.4	41.1	-1.7
10:05 PM - 10:10 PM	45.7	48.5	-2.8	7.0	-	41.7	41.9	-0.2
10:10 PM - 10:15 PM	50.8	49.1	1.7	4.5	-	49.3	43.3	6.0
10:15 PM - 10:20 PM	47.6	49.5	-1.9	7.0	-	43.6	44.0	-0.4
10:20 PM - 10:25 PM	44.2	49.0	-4.8	7.0	-	40.2	43.4	-3.2
10:25 PM - 10:30 PM	42.4	48.2	-5.8	7.0	-	38.4	43.0	-4.6
10:30 PM - 10:35 PM	42.4	47.2	-4.8	7.0	-	38.4	43.4	-5.0
10:35 PM - 10:40 PM	45.7	46.5	-0.8	7.0	-	41.7	44.0	-2.3
10:40 PM - 10:45 PM	41.0	47.3	-6.3	7.0	-	37.0	44.4	-7.4
10:45 PM - 10:50 PM	41.9	46.6	-4.7	7.0	-	37.9	45.0	-7.1
10:50 PM - 10:55 PM	42.1	46.4	-4.3	7.0	-	38.1	44.9	-6.8
10:55 PM - 11:00 PM	40.2	47.8	-7.6	7.0	-	36.2	44.9	-8.7
11:00 PM - 11:05 PM	49.5	48.2	1.3	7.0	-	45.5	45.2	0.3
11:05 PM - 11:10 PM	48.3	48.4	-0.1	7.0	-	44.3	44.9	-0.6
11:10 PM - 11:15 PM	40.0	49.8	-9.8	7.0	-	36.0	44.7	-8.7
11:15 PM - 11:20 PM	45.1	50.6	-5.5	7.0	-	41.1	44.7	-3.6
11:20 PM - 11:25 PM	52.1	50.2	1.9	4.5	-	50.6	45.1	5.5
11:25 PM - 11:30 PM	38.7	49.0	-10.3	7.0	-	34.7	44.7	-10.0
11:30 PM - 11:35 PM	42.5	48.2	-5.7	7.0	-	38.5	44.2	-5.7
11:35 PM - 11:40 PM	40.9	44.1	-3.2	7.0	-	36.9	42.9	-6.0
11:40 PM - 11:45 PM	39.0	44.3	-5.3	7.0	-	35.0	43.6	-8.6
11:45 PM - 11:50 PM	44.3	49.9	-5.6	7.0	-	40.3	44.5	-4.2
11:50 PM - 11:55 PM	40.9	47.4	-6.5	7.0	-	36.9	43.6	-6.7
11:55 PM - 12:00 AM	40.1	43.7	-3.6	7.0	-	36.1	43.2	-7.1
12:00 AM - 12:05 AM	43.0	44.1	-1.1	7.0	-	39.0	43.2	-4.2
12:05 AM - 12:10 AM	47.0	45.0	2.0	4.5	-	45.5	43.3	2.2
12:10 AM - 12:15 AM	47.7	44.4	3.3	3.0	-	47.7	43.9	3.8
12:15 AM - 12:20 AM	39.4	46.7	-7.3	7.0	-	35.4	44.4	-9.0

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Approved by

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Kanokkorn Anek
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Analysis / Test Report



TESTING
No.0009

Client : Asia Industrial Estate Co., Ltd.

49 Soi Pipat (Silom 3) Asia Sermkij Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500

P/O : สัญญาจ้าง

Project Name : Project AIE (Suwanaphumi)

Project Location :

Lot ID: 2358316

Date Received : May 30, 2023

Date Reported : Jun 09, 2023

Report Number : 2678441-1

Page 2 of 3

Sample No. 2358316-1
Parameter เสียงรบกวน
Location N1 : โรงเรียนสุเหร่าคลองใหญ่ (GPS 47P 0707472, 1512996)
Measurement Date May 24 - 25, 2023
Measurement by Autit Aoonsim
Sound Level Meter 00572552

ระดับเสียง (dB(A))								
เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีกิจกรรม	ผลต่างระดับเสียง	ตัวปรับค่า	ปรับค่าเสียงจากแหล่งกำเนิด		เสียงพื้นฐาน	ค่าระดับการรบกวน
					กลางวัน (A/C)	กลางคืน (A/C+1)		
12:20 AM - 12:25 AM	39.8	46.9	-7.1	7.0	-	35.8	44.0	-8.2
12:25 AM - 12:30 AM	39.3	44.2	-4.9	7.0	-	35.3	43.2	-7.9
12:30 AM - 12:35 AM	42.1	44.9	-2.8	7.0	-	38.1	43.7	-5.6
12:35 AM - 12:40 AM	39.7	45.1	-5.4	7.0	-	35.7	44.4	-8.7
12:40 AM - 12:45 AM	38.8	45.6	-6.8	7.0	-	34.8	44.4	-9.6
12:45 AM - 12:50 AM	45.5	45.7	-0.2	7.0	-	41.5	44.7	-3.2
12:50 AM - 12:55 AM	46.1	47.7	-1.6	7.0	-	42.1	44.5	-2.4
12:55 AM - 01:00 AM	46.9	48.7	-1.8	7.0	-	42.9	44.6	-1.7
01:00 AM - 01:05 AM	48.4	49.0	-0.6	7.0	-	44.4	44.9	-0.5
01:05 AM - 01:10 AM	50.9	54.4	-3.5	7.0	-	46.9	44.4	2.5
01:10 AM - 01:15 AM	55.1	52.1	3.0	3.0	-	55.1	43.9	11.2
01:15 AM - 01:20 AM	45.2	53.9	-8.7	7.0	-	41.2	43.6	-2.4
01:20 AM - 01:25 AM	54.1	56.8	-2.7	7.0	-	50.1	43.6	6.5
01:25 AM - 01:30 AM	55.9	70.6	-14.7	7.0	-	51.9	46.3	5.6
01:30 AM - 01:35 AM	58.7	76.4	-17.7	7.0	-	54.7	66.4	-11.7
01:35 AM - 01:40 AM	60.4	78.4	-18.0	7.0	-	56.4	74.4	-18.0
01:40 AM - 01:45 AM	58.4	77.1	-18.7	7.0	-	54.4	70.8	-16.4
01:45 AM - 01:50 AM	58.8	76.2	-17.4	7.0	-	54.8	72.8	-18.0
01:50 AM - 01:55 AM	53.6	75.0	-21.4	7.0	-	49.6	72.5	-22.9
01:55 AM - 02:00 AM	50.0	72.9	-22.9	7.0	-	46.0	71.5	-25.5
02:00 AM - 02:05 AM	48.0	71.1	-23.1	7.0	-	44.0	68.5	-24.5
02:05 AM - 02:10 AM	46.0	68.3	-22.3	7.0	-	42.0	66.3	-24.3
02:10 AM - 02:15 AM	47.5	73.8	-26.3	7.0	-	43.5	72.4	-28.9
02:15 AM - 02:20 AM	49.8	71.6	-21.8	7.0	-	45.8	64.3	-18.5
02:20 AM - 02:25 AM	47.2	62.3	-15.1	7.0	-	43.2	60.7	-17.5
02:25 AM - 02:30 AM	40.9	60.7	-19.8	7.0	-	36.9	59.6	-22.7
02:30 AM - 02:35 AM	40.2	60.6	-20.4	7.0	-	36.2	59.6	-23.4
02:35 AM - 02:40 AM	40.3	60.7	-20.4	7.0	-	36.3	59.7	-23.4
02:40 AM - 02:45 AM	46.9	60.3	-13.4	7.0	-	42.9	59.3	-16.4
02:45 AM - 02:50 AM	43.7	60.5	-16.8	7.0	-	39.7	59.3	-19.6
02:50 AM - 02:55 AM	43.4	60.9	-17.5	7.0	-	39.4	59.8	-20.4
02:55 AM - 03:00 AM	43.3	60.7	-17.4	7.0	-	39.3	59.5	-20.2
03:00 AM - 03:05 AM	46.5	60.8	-14.3	7.0	-	42.5	59.7	-17.2
03:05 AM - 03:10 AM	44.4	60.9	-16.5	7.0	-	40.4	59.8	-19.4
03:10 AM - 03:15 AM	44.3	60.8	-16.5	7.0	-	40.3	59.7	-19.4
03:15 AM - 03:20 AM	43.7	60.5	-16.8	7.0	-	39.7	59.2	-19.5
03:20 AM - 03:25 AM	42.1	60.1	-18.0	7.0	-	38.1	58.7	-20.6
03:25 AM - 03:30 AM	42.1	59.8	-17.7	7.0	-	38.1	58.0	-19.9
03:30 AM - 03:35 AM	45.6	62.1	-16.5	7.0	-	41.6	58.6	-17.0
03:35 AM - 03:40 AM	47.6	61.7	-14.1	7.0	-	43.6	57.6	-14.0

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Approved by

Kanok Korn Anek

Kanok Korn Anek
Senior Manager

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Analysis / Test Report



TESTING
No.0009

Client : Asia Industrial Estate Co., Ltd.

49 Soi Pipat (Silom 3) Asia Sermkij Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500

P/O : สัญญาจ้าง

Project Name : Project AIE (Suwanaphumi)

Project Location :

Lot ID: 2358316

Date Received : May 30, 2023

Date Reported : Jun 09, 2023

Report Number : 2678441-1

Page 3 of 3

Sample No. 2358316-1
Parameter เสียงรบกวน
Location N1 : โรงเรียนสุเหร่าคลองใหญ่ (GPS 47P 0707472, 1512996)
Measurement Date May 24 - 25, 2023
Measurement by Autit Aoonsim
Sound Level Meter 00572552

ระดับเสียง (dB(A))								
เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีกิจกรรม	ผลต่างระดับเสียง	ตัวปรับค่า	ปรับค่าเสียงจากแหล่งกำเนิด		เสียงพื้นฐาน	ค่าระดับการรบกวน
					กลางวัน (A/C)	กลางคืน (A/C+1)		
03:40 AM - 03:45 AM	42.9	58.5	-15.6	7.0	-	38.9	56.6	-17.7
03:45 AM - 03:50 AM	43.8	58.7	-14.9	7.0	-	39.8	57.0	-17.2
03:50 AM - 03:55 AM	42.9	58.2	-15.3	7.0	-	38.9	56.0	-17.1
03:55 AM - 04:00 AM	43.0	56.8	-13.8	7.0	-	39.0	54.8	-15.8
04:00 AM - 04:05 AM	47.0	57.2	-10.2	7.0	-	43.0	55.4	-12.4
04:05 AM - 04:10 AM	49.6	56.5	-6.9	7.0	-	45.6	54.8	-9.2
04:10 AM - 04:15 AM	43.1	56.5	-13.4	7.0	-	39.1	54.7	-15.6
04:15 AM - 04:20 AM	44.1	56.7	-12.6	7.0	-	40.1	54.6	-14.5
04:20 AM - 04:25 AM	49.7	55.4	-5.7	7.0	-	45.7	53.2	-7.5
04:25 AM - 04:30 AM	45.7	54.4	-8.7	7.0	-	41.7	51.7	-10.0
04:30 AM - 04:35 AM	44.6	54.5	-9.9	7.0	-	40.6	51.7	-11.1
04:35 AM - 04:40 AM	48.1	55.3	-7.2	7.0	-	44.1	53.2	-9.1
04:40 AM - 04:45 AM	47.9	55.0	-7.1	7.0	-	43.9	52.4	-8.5
04:45 AM - 04:50 AM	46.6	56.0	-9.4	7.0	-	42.6	53.8	-11.2
04:50 AM - 04:55 AM	44.7	55.9	-11.2	7.0	-	40.7	53.3	-12.6
04:55 AM - 05:00 AM	44.4	55.4	-11.0	7.0	-	40.4	51.4	-11.0
05:00 AM - 05:05 AM	44.8	55.2	-10.4	7.0	-	40.8	51.8	-11.0
05:05 AM - 05:10 AM	46.9	53.8	-6.9	7.0	-	42.9	50.7	-7.8
05:10 AM - 05:15 AM	51.1	52.1	-1.0	7.0	-	47.1	47.7	-0.6
05:15 AM - 05:20 AM	49.9	51.2	-1.3	7.0	-	45.9	47.4	-1.5
05:20 AM - 05:25 AM	51.0	54.3	-3.3	7.0	-	47.0	48.7	-1.7
05:25 AM - 05:30 AM	50.3	54.7	-4.4	7.0	-	46.3	48.7	-2.4
05:30 AM - 05:35 AM	50.5	54.1	-3.6	7.0	-	46.5	49.4	-2.9
05:35 AM - 05:40 AM	53.2	65.6	-12.4	7.0	-	49.2	50.4	-1.2
05:40 AM - 05:45 AM	51.9	69.9	-18.0	7.0	-	47.9	52.2	-4.3
05:45 AM - 05:50 AM	51.0	58.0	-7.0	7.0	-	47.0	51.1	-4.1
05:50 AM - 05:55 AM	55.8	56.5	-0.7	7.0	-	51.8	50.5	1.3
05:55 AM - 06:00 AM	60.1	57.1	3.0	3.0	-	60.1	49.6	10.5
06:00 AM - 07:00 AM	71.7	57.3	14.4	0.0	71.7	-	47.5	24.2
07:00 AM - 08:00 AM	73.4	55.4	18.0	0.0	73.4	-	49.0	24.4
08:00 AM - 09:00 AM	67.0	57.0	10.0	0.5	66.5	-	48.6	17.9
09:00 AM - 10:00 AM	51.4	54.8	-3.4	7.0	44.4	-	46.6	-2.2
ค่ามาตรฐาน								≤ 10

Reference Method : Based on ISO 1996-1 and ISO 1996-2

มาตรฐาน

- ประกาศกระทรวงอุตสาหกรรม เรื่อง กำหนดค่าระดับเสียงการรบกวนและระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548
- ประกาศกรมโรงงานอุตสาหกรรม เรื่อง วิธีการตรวจวัดระดับเสียงรบกวน ระดับเสียงเฉลี่ย 24 ชั่วโมง และระดับเสียงสูงสุดที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2553
- ประกาศกระทรวงสาธารณสุข เรื่อง กำหนดค่ามาตรฐานระดับเสียงรบกวนที่เกิดจากการประกอบกิจการที่เป็นอันตรายต่อสุขภาพ พ.ศ. 2561

ระดับเสียงจากแหล่งกำเนิด ท้าการตรวจวัด วันที่ 24-25 พฤษภาคม 2566

ระดับเสียงพื้นฐานและระดับเสียงขณะไม่มีกิจกรรม (Sample No.2358336-5 วันที่ตรวจวัด 24-25 พฤษภาคม 2566)

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Analysis / Test Report



TESTING
No.0009

Client : Asia Industrial Estate Co., Ltd.
49 Soi Pipat (Silom 3) Asia Sermkij Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500

P/O : สัญญาจ้าง
Project Name : Project AIE (Suwanaphumi)
Project Location :

Lot ID: 2358316
Date Received : May 30, 2023
Date Reported : Jun 09, 2023
Report Number : 2678442-1

Page 1 of 3

Sample No. 2358316-2
Parameter เสียงรบกวน
Location N1 : โรงเรียนสุเหร่าคลองใหญ่ (GPS 47P 0707472, 1512996)
Measurement Date May 25 - 26, 2023
Measurement by Autit Aoonsim
Sound Level Meter 00572552

เวลา	ระดับเสียง (dB(A))							ค่าระดับ การรบกวน
	(A) เสียงจาก แหล่งกำเนิด	(B) เสียงขณะ ไม่มีการรบกวน	(A-B) ผลต่าง ระดับเสียง	(C) ตัวปรับค่า	(D) ปรับค่าเสียงจากแหล่งกำเนิด		(E) เสียงพื้นฐาน	
					(A-C) กลางวัน	(A-C)+1 กลางคืน		
10:00 AM - 11:00 AM	49.2	54.1	-4.9	7.0	42.2	-	46.5	-4.3
11:00 AM - 12:00 PM	63.6	57.9	5.7	1.5	62.1	-	49.4	12.7
12:00 PM - 01:00 PM	62.5	72.2	-9.7	7.0	55.5	-	52.9	2.6
01:00 PM - 02:00 PM	51.6	50.7	0.9	7.0	44.6	-	43.7	0.9
02:00 PM - 03:00 PM	53.7	60.7	-7.0	7.0	46.7	-	52.7	-6.0
03:00 PM - 04:00 PM	50.8	57.6	-6.8	7.0	43.8	-	50.5	-6.7
04:00 PM - 05:00 PM	50.5	49.7	0.8	7.0	43.5	-	41.1	2.4
05:00 PM - 06:00 PM	53.9	54.0	-0.1	7.0	46.9	-	41.6	5.3
06:00 PM - 07:00 PM	50.3	60.6	-10.3	7.0	43.3	-	41.9	1.4
07:00 PM - 08:00 PM	51.6	61.8	-10.2	7.0	44.6	-	47.7	-3.1
08:00 PM - 09:00 PM	49.5	49.7	-0.2	7.0	42.5	-	47.9	-5.4
09:00 PM - 10:00 PM	47.4	50.2	-2.8	7.0	40.4	-	48.5	-8.1
10:00 PM - 10:05 PM	43.6	49.8	-6.2	7.0	-	39.6	48.2	-8.6
10:05 PM - 10:10 PM	44.3	49.6	-5.3	7.0	-	40.3	46.9	-6.6
10:10 PM - 10:15 PM	44.3	49.8	-5.5	7.0	-	40.3	47.8	-7.5
10:15 PM - 10:20 PM	41.6	49.6	-8.0	7.0	-	37.6	48.0	-10.4
10:20 PM - 10:25 PM	42.8	50.2	-7.4	7.0	-	38.8	48.4	-9.6
10:25 PM - 10:30 PM	43.6	50.3	-6.7	7.0	-	39.6	49.0	-9.4
10:30 PM - 10:35 PM	44.1	49.8	-5.7	7.0	-	40.1	48.6	-8.5
10:35 PM - 10:40 PM	49.5	47.8	1.7	4.5	-	48.0	45.6	2.4
10:40 PM - 10:45 PM	47.2	49.4	-2.2	7.0	-	43.2	48.0	-4.8
10:45 PM - 10:50 PM	44.5	49.9	-5.4	7.0	-	40.5	48.3	-7.8
10:50 PM - 10:55 PM	41.0	51.2	-10.2	7.0	-	37.0	49.9	-12.9
10:55 PM - 11:00 PM	42.3	51.4	-9.1	7.0	-	38.3	49.5	-11.2
11:00 PM - 11:05 PM	41.5	51.2	-9.7	7.0	-	37.5	49.4	-11.9
11:05 PM - 11:10 PM	40.8	49.7	-8.9	7.0	-	36.8	47.6	-10.8
11:10 PM - 11:15 PM	41.5	49.8	-8.3	7.0	-	37.5	48.2	-10.7
11:15 PM - 11:20 PM	44.4	50.0	-5.6	7.0	-	40.4	48.5	-8.1
11:20 PM - 11:25 PM	42.9	50.1	-7.2	7.0	-	38.9	48.6	-9.7
11:25 PM - 11:30 PM	45.1	49.1	-4.0	7.0	-	41.1	47.1	-6.0
11:30 PM - 11:35 PM	45.5	49.0	-3.5	7.0	-	41.5	46.7	-5.2
11:35 PM - 11:40 PM	44.3	48.8	-4.5	7.0	-	40.3	46.3	-6.0
11:40 PM - 11:45 PM	43.6	49.3	-5.7	7.0	-	39.6	46.8	-7.2
11:45 PM - 11:50 PM	45.5	48.9	-3.4	7.0	-	41.5	47.1	-5.6
11:50 PM - 11:55 PM	43.2	49.1	-5.9	7.0	-	39.2	47.2	-8.0
11:55 PM - 12:00 AM	38.8	48.3	-9.5	7.0	-	34.8	45.9	-11.1
12:00 AM - 12:05 AM	43.6	49.4	-5.8	7.0	-	39.6	46.3	-6.7
12:05 AM - 12:10 AM	39.5	48.0	-8.5	7.0	-	35.5	45.7	-10.2
12:10 AM - 12:15 AM	38.9	49.6	-10.7	7.0	-	34.9	47.6	-12.7
12:15 AM - 12:20 AM	40.6	49.5	-8.9	7.0	-	36.6	47.6	-11.0

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Analysis / Test Report



TESTING
No.0009

Client : Asia Industrial Estate Co., Ltd.
49 Soi Pipat (Silom 3) Asia Sermkij Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500

P/O : สัญญาจ้าง
Project Name : Project AIE (Suwanaphumi)
Project Location :

Lot ID: 2358316
Date Received : May 30, 2023
Date Reported : Jun 09, 2023
Report Number : 2678442-1

Page 2 of 3

Sample No. 2358316-2
Parameter เสียงรบกวน
Location N1 : โรงเรียนสุเหร่าคลองใหญ่ (GPS 47P 0707472, 1512996)
Measurement Date May 25 - 26, 2023
Measurement by Autit Aoonsim
Sound Level Meter 00572552

ระดับเสียง (dB(A))								
เวลา	(A)	(B)	(A-B)	(C)	(D)		(E)	(D-E)
	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	ผลต่างระดับเสียง	ตัวปรับค่า	ปรับค่าเสียงจากแหล่งกำเนิดกลางวัน (A-C)	กลางคืน (A-C)	เสียงพื้นฐาน	ค่าระดับการรบกวน
12:20 AM - 12:25 AM	43.5	48.2	-4.7	7.0	-	39.5	46.5	-7.0
12:25 AM - 12:30 AM	48.4	47.8	0.6	7.0	-	44.4	46.2	-1.8
12:30 AM - 12:35 AM	38.2	48.3	-10.1	7.0	-	34.2	47.1	-12.9
12:35 AM - 12:40 AM	51.6	48.5	3.1	3.0	-	51.6	46.9	4.7
12:40 AM - 12:45 AM	38.7	47.7	-9.0	7.0	-	34.7	46.4	-11.7
12:45 AM - 12:50 AM	38.8	47.7	-8.9	7.0	-	34.8	46.3	-11.5
12:50 AM - 12:55 AM	41.2	49.5	-8.3	7.0	-	37.2	48.0	-10.8
12:55 AM - 01:00 AM	41.0	49.3	-8.3	7.0	-	37.0	47.4	-10.4
01:00 AM - 01:05 AM	50.0	48.7	1.3	7.0	-	46.0	46.9	-0.9
01:05 AM - 01:10 AM	40.4	47.2	-6.8	7.0	-	36.4	45.5	-9.1
01:10 AM - 01:15 AM	40.3	47.5	-7.2	7.0	-	36.3	45.4	-9.1
01:15 AM - 01:20 AM	41.6	46.6	-5.0	7.0	-	37.6	44.5	-6.9
01:20 AM - 01:25 AM	44.4	45.4	-1.0	7.0	-	40.4	43.8	-3.4
01:25 AM - 01:30 AM	44.0	44.4	-0.4	7.0	-	40.0	43.4	-3.4
01:30 AM - 01:35 AM	44.6	44.9	-0.3	7.0	-	40.6	43.8	-3.2
01:35 AM - 01:40 AM	49.9	44.4	5.5	1.5	-	51.4	43.5	7.9
01:40 AM - 01:45 AM	43.4	44.8	-1.4	7.0	-	39.4	43.5	-4.1
01:45 AM - 01:50 AM	46.5	44.5	2.0	4.5	-	45.0	43.0	2.0
01:50 AM - 01:55 AM	45.3	43.5	1.8	4.5	-	43.8	42.3	1.5
01:55 AM - 02:00 AM	42.6	44.1	-1.5	7.0	-	38.6	43.2	-4.6
02:00 AM - 02:05 AM	49.5	44.7	4.8	1.5	-	51.0	43.2	7.8
02:05 AM - 02:10 AM	37.5	45.0	-7.5	7.0	-	33.5	43.2	-9.7
02:10 AM - 02:15 AM	38.9	43.8	-4.9	7.0	-	34.9	42.5	-7.6
02:15 AM - 02:20 AM	37.8	44.5	-6.7	7.0	-	33.8	42.7	-8.9
02:20 AM - 02:25 AM	38.8	45.7	-6.9	7.0	-	34.8	42.6	-7.8
02:25 AM - 02:30 AM	40.6	44.8	-4.2	7.0	-	36.6	43.0	-6.4
02:30 AM - 02:35 AM	38.0	44.8	-6.8	7.0	-	34.0	43.0	-9.0
02:35 AM - 02:40 AM	42.2	46.6	-4.4	7.0	-	38.2	43.5	-5.3
02:40 AM - 02:45 AM	38.0	45.1	-7.1	7.0	-	34.0	43.2	-9.2
02:45 AM - 02:50 AM	41.8	45.4	-3.6	7.0	-	37.8	43.3	-5.5
02:50 AM - 02:55 AM	43.6	47.0	-3.4	7.0	-	39.6	44.3	-4.7
02:55 AM - 03:00 AM	48.1	46.9	1.2	7.0	-	44.1	43.7	0.4
03:00 AM - 03:05 AM	38.8	43.7	-4.9	7.0	-	34.8	41.7	-6.9
03:05 AM - 03:10 AM	38.5	45.5	-7.0	7.0	-	34.5	41.5	-7.0
03:10 AM - 03:15 AM	38.5	44.3	-5.8	7.0	-	34.5	42.7	-8.2
03:15 AM - 03:20 AM	39.6	44.3	-4.7	7.0	-	35.6	43.0	-7.4
03:20 AM - 03:25 AM	38.4	45.3	-6.9	7.0	-	34.4	43.4	-9.0
03:25 AM - 03:30 AM	37.5	44.0	-6.5	7.0	-	33.5	42.9	-9.4
03:30 AM - 03:35 AM	36.7	43.9	-7.2	7.0	-	32.7	42.8	-10.1
03:35 AM - 03:40 AM	44.6	44.3	0.3	7.0	-	40.6	42.6	-2.0

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Analysis / Test Report



TESTING
No.0009

Client : Asia Industrial Estate Co., Ltd.

49 Soi Pipat (Silom 3) Asia Sermkij Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500

P/O : สัญญาจ้าง

Project Name : Project AIE (Suwanaphumi)

Project Location :

Lot ID: 2358316

Date Received : May 30, 2023

Date Reported : Jun 09, 2023

Report Number : 2678442-1

Page 3 of 3

Sample No. 2358316-2
Parameter เสียงรบกวน
Location N1 : โรงเรียนสุเหร่าคลองใหญ่ (GPS 47P 0707472, 1512996)
Measurement Date May 25 - 26, 2023
Measurement by Audit Aoonsim
Sound Level Meter 00572552

เวลา	ระดับเสียง (dB(A))				ปรับค่าเสียงจากแหล่งกำเนิด		เสียงพื้นฐาน	ค่าระดับการรบกวน
	(A)	(B)	(C)	(D)	กลางวัน (A/C)	กลางคืน (A/C)+3		
03:40 AM - 03:45 AM	54.4	43.7	10.7	0.5	-	56.9	42.7	14.2
03:45 AM - 03:50 AM	44.2	45.0	-0.8	7.0	-	40.2	43.9	-3.7
03:50 AM - 03:55 AM	37.7	44.8	-7.1	7.0	-	33.7	44.1	-10.4
03:55 AM - 04:00 AM	43.7	44.3	-0.6	7.0	-	39.7	43.6	-3.9
04:00 AM - 04:05 AM	49.2	44.3	4.9	1.5	-	50.7	43.4	7.3
04:05 AM - 04:10 AM	40.5	44.4	-3.9	7.0	-	36.5	43.4	-6.9
04:10 AM - 04:15 AM	40.9	46.0	-5.1	7.0	-	36.9	44.0	-7.1
04:15 AM - 04:20 AM	41.4	47.2	-5.8	7.0	-	37.4	44.3	-6.9
04:20 AM - 04:25 AM	47.6	47.9	-0.3	7.0	-	43.6	44.8	-1.2
04:25 AM - 04:30 AM	55.4	48.6	6.8	1.0	-	57.4	46.4	11.0
04:30 AM - 04:35 AM	53.5	57.8	-4.3	7.0	-	49.5	46.0	3.5
04:35 AM - 04:40 AM	51.0	57.3	-6.3	7.0	-	47.0	44.9	2.1
04:40 AM - 04:45 AM	49.9	52.2	-2.3	7.0	-	45.9	44.4	1.5
04:45 AM - 04:50 AM	42.5	47.3	-4.8	7.0	-	38.5	44.8	-6.3
04:50 AM - 04:55 AM	42.9	46.5	-3.6	7.0	-	38.9	44.2	-5.3
04:55 AM - 05:00 AM	44.4	49.4	-5.0	7.0	-	40.4	44.1	-3.7
05:00 AM - 05:05 AM	50.6	50.3	0.3	7.0	-	46.6	44.1	2.5
05:05 AM - 05:10 AM	58.8	50.2	8.6	0.5	-	61.3	44.9	16.4
05:10 AM - 05:15 AM	51.1	48.9	2.2	4.5	-	49.6	44.7	4.9
05:15 AM - 05:20 AM	48.3	48.9	-0.6	7.0	-	44.3	45.0	-0.7
05:20 AM - 05:25 AM	49.5	55.5	-6.0	7.0	-	45.5	45.6	-0.1
05:25 AM - 05:30 AM	53.4	59.6	-6.2	7.0	-	49.4	46.8	2.6
05:30 AM - 05:35 AM	51.0	60.1	-9.1	7.0	-	47.0	47.5	-0.5
05:35 AM - 05:40 AM	54.5	67.8	-13.3	7.0	-	50.5	64.6	-14.1
05:40 AM - 05:45 AM	56.1	59.7	-3.6	7.0	-	52.1	50.2	1.9
05:45 AM - 05:50 AM	48.8	54.8	-6.0	7.0	-	44.8	47.8	-3.0
05:50 AM - 05:55 AM	57.7	59.5	-1.8	7.0	-	53.7	47.4	6.3
05:55 AM - 06:00 AM	55.1	57.9	-2.8	7.0	-	51.1	46.4	4.7
06:00 AM - 07:00 AM	69.5	55.3	14.2	0.0	69.5	-	47.2	22.3
07:00 AM - 08:00 AM	74.4	56.3	18.1	0.0	74.4	-	49.2	25.2
08:00 AM - 09:00 AM	71.6	57.6	14.0	0.0	71.6	-	49.6	22.0
09:00 AM - 10:00 AM	49.4	53.5	-4.1	7.0	42.4	-	44.1	-1.7
ค่ามาตรฐาน								≤ 10

Reference Method : Based on ISO 1996-1 and ISO 1996-2

มาตรฐาน

- ประกาศกระทรวงอุตสาหกรรม เรื่อง กำหนดค่าระดับเสียงการรบกวนและระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548
- ประกาศกรมโรงงานอุตสาหกรรม เรื่อง วิธีการตรวจวัดระดับเสียงรบกวน ระดับเสียงเฉลี่ย 24 ชั่วโมง และระดับเสียงสูงสุดที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2553
- ประกาศกระทรวงสาธารณสุข เรื่อง กำหนดค่ามาตรฐานมลพิษทางเสียงอันเกิดจากการประกอบกิจการที่เป็นอันตรายต่อสุขภาพ พ.ศ. 2561

ระดับเสียงพื้นฐานและระดับเสียงขณะไม่มีกิจกรรมการ (Sample No.2358336-6 วันที่ตรวจวัด 25-26 พฤษภาคม 2566)

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

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Analysis / Test Report



TESTING
No.0009

Client : Asia Industrial Estate Co., Ltd.

49 Soi Pipat (Silom 3) Asia Sermkij Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500

P/O : สัญญาจ้าง

Project Name : Project AIE (Suwanaphumi)

Project Location :

Lot ID: 2358316

Date Received : May 30, 2023

Date Reported : Jun 09, 2023

Report Number : 2678443-1

Page 1 of 3

Sample No. 2358316-3
Parameter เสียงรบกวน
Location N1 : โรงเรียนสุเหร่าคลองใหญ่ (GPS 47P 0707472, 1512996)
Measurement Date May 26 - 27, 2023
Measurement by Audit Aoonsim
Sound Level Meter 00572552

เวลา	ระดับเสียง (dB(A))				ปรับค่าเสียงจากแหล่งกำเนิด		เสียงพื้นฐาน	ค่าระดับการรบกวน
	(A)	(B)	(C)	(D)	กลางวัน (A/C)	กลางคืน (A/C)+3		
10:00 AM - 11:00 AM	51.0	54.7	-3.7	7.0	44.0	-	47.2	-3.2
11:00 AM - 12:00 PM	62.7	62.9	-0.2	7.0	55.7	-	50.6	5.1
12:00 PM - 01:00 PM	62.3	67.0	-4.7	7.0	55.3	-	52.4	2.9
01:00 PM - 02:00 PM	50.3	49.2	1.1	7.0	43.3	-	42.6	0.7
02:00 PM - 03:00 PM	52.5	62.8	-10.3	7.0	45.5	-	52.7	-7.2
03:00 PM - 04:00 PM	52.7	59.0	-6.3	7.0	45.7	-	50.3	-4.6
04:00 PM - 05:00 PM	52.9	49.9	3.0	3.0	49.9	-	39.9	10.0
05:00 PM - 06:00 PM	50.8	52.1	-1.3	7.0	43.8	-	39.6	4.2
06:00 PM - 07:00 PM	49.8	50.9	-1.1	7.0	42.8	-	39.8	3.0
07:00 PM - 08:00 PM	49.6	48.9	0.7	7.0	42.6	-	45.1	-2.5
08:00 PM - 09:00 PM	46.0	48.5	-2.5	7.0	39.0	-	46.4	-7.4
09:00 PM - 10:00 PM	42.7	52.3	-9.6	7.0	35.7	-	46.8	-11.1
10:00 PM - 10:05 PM	40.9	48.2	-7.3	7.0	-	36.9	47.5	-10.6
10:05 PM - 10:10 PM	43.2	49.5	-6.3	7.0	-	39.2	47.0	-7.8
10:10 PM - 10:15 PM	48.0	52.3	-4.3	7.0	-	44.0	46.6	-2.6
10:15 PM - 10:20 PM	40.5	48.0	-7.5	7.0	-	36.5	47.0	-10.5
10:20 PM - 10:25 PM	40.4	47.7	-7.3	7.0	-	36.4	46.4	-10.0
10:25 PM - 10:30 PM	41.6	47.7	-6.1	7.0	-	37.6	46.2	-8.6
10:30 PM - 10:35 PM	41.8	48.6	-6.8	7.0	-	37.8	47.3	-9.5
10:35 PM - 10:40 PM	40.3	48.0	-7.7	7.0	-	36.3	47.1	-10.8
10:40 PM - 10:45 PM	45.8	54.1	-8.3	7.0	-	41.8	45.9	-4.1
10:45 PM - 10:50 PM	41.1	48.0	-6.9	7.0	-	37.1	46.3	-9.2
10:50 PM - 10:55 PM	40.0	48.4	-8.4	7.0	-	36.0	47.2	-11.2
10:55 PM - 11:00 PM	41.8	48.8	-7.0	7.0	-	37.8	47.7	-9.9
11:00 PM - 11:05 PM	41.3	48.3	-7.0	7.0	-	37.3	47.2	-9.9
11:05 PM - 11:10 PM	38.2	47.9	-9.7	7.0	-	34.2	46.9	-12.7
11:10 PM - 11:15 PM	42.3	47.7	-5.4	7.0	-	38.3	46.8	-8.5
11:15 PM - 11:20 PM	41.2	48.1	-6.9	7.0	-	37.2	47.0	-9.8
11:20 PM - 11:25 PM	39.5	48.2	-8.7	7.0	-	35.5	47.4	-11.9
11:25 PM - 11:30 PM	39.3	48.5	-9.2	7.0	-	35.3	47.4	-12.1
11:30 PM - 11:35 PM	39.0	49.0	-10.0	7.0	-	35.0	48.0	-13.0
11:35 PM - 11:40 PM	38.0	49.2	-11.2	7.0	-	34.0	48.0	-14.0
11:40 PM - 11:45 PM	38.0	48.8	-10.8	7.0	-	34.0	47.7	-13.7
11:45 PM - 11:50 PM	37.6	48.5	-10.9	7.0	-	33.6	47.4	-13.8
11:50 PM - 11:55 PM	38.5	48.5	-10.0	7.0	-	34.5	47.0	-12.5
11:55 PM - 12:00 AM	39.9	48.2	-8.3	7.0	-	35.9	46.4	-10.5
12:00 AM - 12:05 AM	51.0	48.8	2.2	4.5	-	49.5	46.7	2.8
12:05 AM - 12:10 AM	39.1	49.5	-10.4	7.0	-	35.1	47.3	-12.2
12:10 AM - 12:15 AM	45.2	49.2	-4.0	7.0	-	41.2	47.2	-6.0
12:15 AM - 12:20 AM	39.6	48.6	-9.0	7.0	-	35.6	46.9	-11.3

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.

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Analysis / Test Report



TESTING
No.0009

Client : Asia Industrial Estate Co., Ltd.

49 Soi Pipat (Silom 3) Asia Sermkij Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500

P/O : สัญญาจ้าง

Project Name : Project AIE (Suwanaphumi)

Project Location :

Lot ID: 2358316

Date Received : May 30, 2023

Date Reported : Jun 09, 2023

Report Number : 2678443-1

Page 2 of 3

Sample No. 2358316-3
Parameter เสียงรบกวน
Location N1 : โรงเรียนสุเหร่าคลองใหญ่ (GPS 47P 0707472, 1512996)
Measurement Date May 26 - 27, 2023
Measurement by Audit Aoonsim
Sound Level Meter 00572552

เวลา	ระดับเสียง (dB(A))						
	(A)	(B)	(C)	(D)	(E)	(F)	(G)
เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีกิจกรรม	ผลต่างระดับเสียง	ตัวปรับค่า	ปรับค่าเสียงจากแหล่งกำเนิด	เสียงพื้นฐาน	การคำนวณ	การคำนวณ
กลางคืน (A/C)	กลางวัน (A/C)	กลางคืน (A/C)	กลางวัน (A/C)	กลางคืน (A/C)	กลางวัน (A/C)	การคำนวณ	การคำนวณ
12:20 AM - 12:25 AM	43.0	48.4	-5.4	7.0	-	39.0	46.8
12:25 AM - 12:30 AM	37.9	47.5	-9.6	7.0	-	33.9	46.3
12:30 AM - 12:35 AM	39.0	50.3	-11.3	7.0	-	35.0	45.8
12:35 AM - 12:40 AM	39.9	46.5	-6.6	7.0	-	35.9	45.4
12:40 AM - 12:45 AM	46.2	47.3	-1.1	7.0	-	42.2	45.4
12:45 AM - 12:50 AM	45.3	46.1	-0.8	7.0	-	41.3	44.2
12:50 AM - 12:55 AM	44.5	46.2	-1.7	7.0	-	40.5	44.8
12:55 AM - 01:00 AM	38.0	44.8	-6.8	7.0	-	34.0	43.5
01:00 AM - 01:05 AM	37.1	46.5	-9.4	7.0	-	33.1	44.6
01:05 AM - 01:10 AM	37.4	46.1	-8.7	7.0	-	33.4	45.2
01:10 AM - 01:15 AM	37.4	46.3	-8.9	7.0	-	33.4	45.6
01:15 AM - 01:20 AM	40.1	46.4	-6.3	7.0	-	36.1	45.2
01:20 AM - 01:25 AM	43.3	47.1	-3.8	7.0	-	39.3	45.6
01:25 AM - 01:30 AM	45.6	46.8	-1.2	7.0	-	41.6	45.3
01:30 AM - 01:35 AM	46.7	46.7	0.0	7.0	-	42.7	45.3
01:35 AM - 01:40 AM	44.1	46.5	-2.4	7.0	-	40.1	44.6
01:40 AM - 01:45 AM	41.9	45.7	-3.8	7.0	-	37.9	44.4
01:45 AM - 01:50 AM	44.5	48.5	-4.0	7.0	-	40.5	45.9
01:50 AM - 01:55 AM	45.2	56.0	-10.8	7.0	-	41.2	49.3
01:55 AM - 02:00 AM	41.7	54.0	-12.3	7.0	-	37.7	51.2
02:00 AM - 02:05 AM	41.2	49.6	-8.4	7.0	-	37.2	48.3
02:05 AM - 02:10 AM	41.1	59.1	-18.0	7.0	-	37.1	53.6
02:10 AM - 02:15 AM	40.8	64.1	-23.3	7.0	-	36.8	62.0
02:15 AM - 02:20 AM	47.1	73.3	-26.2	7.0	-	43.1	67.4
02:20 AM - 02:25 AM	52.0	68.3	-16.3	7.0	-	48.0	65.9
02:25 AM - 02:30 AM	45.6	68.1	-22.5	7.0	-	41.6	64.9
02:30 AM - 02:35 AM	42.3	64.3	-22.0	7.0	-	38.3	61.3
02:35 AM - 02:40 AM	54.5	61.3	-6.8	7.0	-	50.5	52.1
02:40 AM - 02:45 AM	54.7	58.3	-3.6	7.0	-	50.7	49.1
02:45 AM - 02:50 AM	51.4	63.7	-12.3	7.0	-	47.4	51.2
02:50 AM - 02:55 AM	54.9	79.2	-24.3	7.0	-	50.9	75.8
02:55 AM - 03:00 AM	66.2	78.0	-11.8	7.0	-	62.2	74.8
03:00 AM - 03:05 AM	56.8	73.5	-16.7	7.0	-	52.8	69.4
03:05 AM - 03:10 AM	63.2	66.3	-3.1	7.0	-	59.2	63.8
03:10 AM - 03:15 AM	62.7	63.0	-0.3	7.0	-	58.7	60.8
03:15 AM - 03:20 AM	58.9	66.7	-7.8	7.0	-	54.9	59.0
03:20 AM - 03:25 AM	58.9	68.8	-9.9	7.0	-	54.9	64.7
03:25 AM - 03:30 AM	68.2	73.6	-5.4	7.0	-	64.2	67.9
03:30 AM - 03:35 AM	52.4	80.6	-28.2	7.0	-	48.4	76.3
03:35 AM - 03:40 AM	52.5	82.6	-30.1	7.0	-	48.5	82.1

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Analysis / Test Report



TESTING
No.0009

Client : Asia Industrial Estate Co., Ltd.

49 Soi Pipat (Silom 3) Asia Sermkij Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500

P/O : สัญญาจ้าง

Project Name : Project AIE (Suwanaphumi)

Project Location :

Lot ID: 2358316

Date Received : May 30, 2023

Date Reported : Jun 09, 2023

Report Number : 2678443-1

Page 3 of 3

Sample No. 2358316-3
Parameter เสียงรบกวน
Location N1 : โรงเรียนสุเหร่าคลองใหญ่ (GPS 47P 0707472, 1512996)
Measurement Date May 26 - 27, 2023
Measurement by Audit Aoonsim
Sound Level Meter 00572552

เวลา	ระดับเสียง (dB(A))						
	(A)	(B)	(C)	(D)	(E)	(F)	(G)
เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีกิจกรรม	ผลต่างระดับเสียง	ตัวปรับค่า	ปรับค่าเสียงจากแหล่งกำเนิด	เสียงพื้นฐาน	การคำนวณ	การคำนวณ
กลางคืน (A/C)	กลางวัน (A/C)	กลางคืน (A/C)	กลางวัน (A/C)	กลางคืน (A/C)	กลางวัน (A/C)	การคำนวณ	การคำนวณ
03:40 AM - 03:45 AM	50.1	82.8	-32.7	7.0	-	46.1	81.4
03:45 AM - 03:50 AM	51.4	77.9	-26.5	7.0	-	47.4	74.6
03:50 AM - 03:55 AM	52.4	69.0	-16.6	7.0	-	48.4	64.0
03:55 AM - 04:00 AM	51.5	68.0	-16.5	7.0	-	47.5	63.0
04:00 AM - 04:05 AM	47.1	67.3	-20.2	7.0	-	43.1	62.4
04:05 AM - 04:10 AM	46.5	65.6	-19.1	7.0	-	42.5	62.0
04:10 AM - 04:15 AM	50.2	65.1	-14.9	7.0	-	46.2	62.6
04:15 AM - 04:20 AM	48.7	64.6	-15.9	7.0	-	44.7	62.6
04:20 AM - 04:25 AM	44.7	64.2	-19.5	7.0	-	40.7	62.2
04:25 AM - 04:30 AM	47.9	63.8	-15.9	7.0	-	43.9	61.6
04:30 AM - 04:35 AM	51.3	63.8	-12.5	7.0	-	47.3	61.7
04:35 AM - 04:40 AM	48.0	64.1	-16.1	7.0	-	44.0	62.3
04:40 AM - 04:45 AM	47.4	63.7	-16.3	7.0	-	43.4	61.9
04:45 AM - 04:50 AM	48.4	63.3	-14.9	7.0	-	44.4	60.9
04:50 AM - 04:55 AM	47.2	62.4	-15.2	7.0	-	43.2	59.9
04:55 AM - 05:00 AM	46.4	63.1	-16.7	7.0	-	42.4	58.5
05:00 AM - 05:05 AM	45.4	60.5	-15.1	7.0	-	41.4	57.5
05:05 AM - 05:10 AM	51.2	58.7	-7.5	7.0	-	47.2	55.5
05:10 AM - 05:15 AM	46.6	60.1	-13.5	7.0	-	42.6	57.0
05:15 AM - 05:20 AM	48.3	58.6	-10.3	7.0	-	44.3	52.9
05:20 AM - 05:25 AM	54.4	56.0	-1.6	7.0	-	50.4	52.4
05:25 AM - 05:30 AM	54.2	55.1	-0.9	7.0	-	50.2	52.6
05:30 AM - 05:35 AM	50.1	54.2	-4.1	7.0	-	46.1	52.1
05:35 AM - 05:40 AM	53.6	58.6	-5.0	7.0	-	49.6	52.8
05:40 AM - 05:45 AM	52.0	58.3	-6.3	7.0	-	48.0	53.2
05:45 AM - 05:50 AM	60.2	57.1	3.1	3.0	-	60.2	52.9
05:50 AM - 05:55 AM	55.0	56.4	-1.4	7.0	-	51.0	51.6
05:55 AM - 06:00 AM	47.4	55.8	-8.4	7.0	-	43.4	49.5
06:00 AM - 07:00 AM	55.2	53.9	1.3	7.0	48.2	-	47.0
07:00 AM - 08:00 AM	54.3	53.6	0.7	7.0	47.3	-	46.8
08:00 AM - 09:00 AM	51.2	55.4	-4.2	7.0	44.2	-	46.3
09:00 AM - 10:00 AM	50.1	56.2	-6.1	7.0	43.1	-	43.0

ค่ามาตรฐาน

Reference Method : Based on ISO 1996-1 and ISO 1996-2

มาตรฐาน

- ประกาศกระทรวงอุตสาหกรรม เรื่อง กำหนดค่าระดับเสียงรบกวนและระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548
- ประกาศกรมโรงงานอุตสาหกรรม เรื่อง วิธีการตรวจวัดระดับเสียงรบกวน ระดับเสียงเฉลี่ย 24 ชั่วโมง และระดับเสียงสูงสุดที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2553
- ประกาศกระทรวงสาธารณสุข เรื่อง กำหนดค่ามาตรฐานเสียงทางเสียงที่เกิดจากการประกอบกิจการที่เป็นอันตรายต่อสุขภาพ พ.ศ. 2561

ระดับเสียงจากแหล่งกำเนิด ท้าการตรวจวัด วันที่ 26-27 พฤษภาคม 2566

ระดับเสียงพื้นฐานและระดับเสียงขณะไม่มีกิจกรรม (Sample No.2358316-7 วันที่ตรวจวัด 26-27 พฤษภาคม 2566)

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Analysis / Test Report



TESTING
No.0009

Client : Asia Industrial Estate Co., Ltd.

49 Soi Pipat (Silom 3) Asia Sermkij Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500

P/O : สัญญาจ้าง

Project Name : Project AIE (Suwanaphumi)

Project Location :

Lot ID: 2358316

Date Received : May 30, 2023

Date Reported : Jun 09, 2023

Report Number : 2678444-1

Page 1 of 3

Sample No. 2358316-4
Parameter เสียงรบกวน
Location N1 : โรงเรียนสุเหร่าคลองใหญ่ (GPS 47P 0707472, 1512996)
Measurement Date May 27 - 28, 2023
Measurement by Autit Aoonsim
Sound Level Meter 00572552

เวลา	ระดับเสียง (dB(A))								ค่าระดับ การรบกวน
	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	ผลต่างระดับเสียง	ตัวปรับค่า	ปรับค่าเสียงจากแหล่งกำเนิด		เสียงพื้นฐาน		
					กลางวัน	กลางคืน			
10:00 AM - 11:00 AM	48.6	50.0	-1.4	7.0	41.6	-	41.0	0.6	
11:00 AM - 12:00 PM	47.8	49.0	-1.2	7.0	40.8	-	39.2	1.6	
12:00 PM - 01:00 PM	48.9	48.3	0.6	7.0	41.9	-	38.7	3.2	
01:00 PM - 02:00 PM	44.2	48.8	-4.6	7.0	37.2	-	38.7	-1.5	
02:00 PM - 03:00 PM	47.4	47.3	0.1	7.0	40.4	-	38.2	2.2	
03:00 PM - 04:00 PM	45.6	47.6	-2.0	7.0	38.6	-	37.7	0.9	
04:00 PM - 05:00 PM	49.6	51.3	-1.7	7.0	42.6	-	38.8	3.8	
05:00 PM - 06:00 PM	50.4	55.0	-4.6	7.0	43.4	-	41.1	2.3	
06:00 PM - 07:00 PM	49.6	55.4	-5.8	7.0	42.6	-	42.3	0.3	
07:00 PM - 08:00 PM	51.0	48.6	2.4	4.5	46.5	-	45.6	0.9	
08:00 PM - 09:00 PM	46.5	47.6	-1.1	7.0	39.5	-	46.3	-6.8	
09:00 PM - 10:00 PM	45.3	49.4	-4.1	7.0	38.3	-	48.2	-9.9	
10:00 PM - 10:05 PM	42.9	51.8	-8.9	7.0	-	38.9	51.1	-12.2	
10:05 PM - 10:10 PM	50.8	51.9	-1.1	7.0	-	46.8	51.4	-4.6	
10:10 PM - 10:15 PM	42.3	51.3	-9.0	7.0	-	38.3	50.5	-12.2	
10:15 PM - 10:20 PM	41.3	51.3	-10.0	7.0	-	37.3	50.4	-13.1	
10:20 PM - 10:25 PM	44.5	51.5	-7.0	7.0	-	40.5	50.7	-10.2	
10:25 PM - 10:30 PM	41.3	50.8	-9.5	7.0	-	37.3	49.9	-12.6	
10:30 PM - 10:35 PM	44.0	51.2	-7.2	7.0	-	40.0	50.3	-10.3	
10:35 PM - 10:40 PM	47.1	51.3	-4.2	7.0	-	43.1	50.3	-7.2	
10:40 PM - 10:45 PM	44.4	51.7	-7.3	7.0	-	40.4	50.8	-10.4	
10:45 PM - 10:50 PM	42.0	51.4	-9.4	7.0	-	38.0	50.6	-12.6	
10:50 PM - 10:55 PM	42.9	51.3	-8.4	7.0	-	38.9	50.4	-11.5	
10:55 PM - 11:00 PM	42.7	50.6	-7.9	7.0	-	38.7	49.4	-10.7	
11:00 PM - 11:05 PM	41.8	50.2	-8.4	7.0	-	37.8	49.0	-11.2	
11:05 PM - 11:10 PM	42.8	50.4	-7.6	7.0	-	38.8	48.8	-10.0	
11:10 PM - 11:15 PM	42.4	54.9	-12.5	7.0	-	38.4	47.9	-9.5	
11:15 PM - 11:20 PM	46.1	49.4	-3.3	7.0	-	42.1	48.1	-6.0	
11:20 PM - 11:25 PM	41.2	49.5	-8.3	7.0	-	37.2	48.4	-11.2	
11:25 PM - 11:30 PM	40.8	50.2	-9.4	7.0	-	36.8	48.8	-12.0	
11:30 PM - 11:35 PM	40.4	50.2	-9.8	7.0	-	36.4	48.8	-12.4	
11:35 PM - 11:40 PM	42.8	50.4	-7.6	7.0	-	38.8	49.3	-10.5	
11:40 PM - 11:45 PM	40.8	50.3	-9.5	7.0	-	36.8	49.3	-12.5	
11:45 PM - 11:50 PM	42.7	49.3	-6.6	7.0	-	38.7	47.8	-9.1	
11:50 PM - 11:55 PM	39.3	50.2	-10.9	7.0	-	35.3	49.1	-13.8	
11:55 PM - 12:00 AM	46.9	49.5	-2.6	7.0	-	42.9	47.7	-4.8	
12:00 AM - 12:05 AM	43.6	49.8	-6.2	7.0	-	39.6	48.2	-8.6	
12:05 AM - 12:10 AM	41.6	49.4	-7.8	7.0	-	37.6	47.0	-9.4	
12:10 AM - 12:15 AM	46.8	48.5	-1.7	7.0	-	42.8	46.2	-3.4	
12:15 AM - 12:20 AM	43.3	47.2	-3.9	7.0	-	39.3	45.4	-6.1	

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Analysis / Test Report



TESTING
No.0009

Client : Asia Industrial Estate Co., Ltd.

49 Soi Pipat (Silom 3) Asia Sermkij Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500

P/O : สัญญาจ้าง

Project Name : Project AIE (Suwanaphumi)

Project Location :

Lot ID: 2358316

Date Received : May 30, 2023

Date Reported : Jun 09, 2023

Report Number : 2678444-1

Page 2 of 3

Sample No. 2358316-4
Parameter เสียงรบกวน
Location N1 : โรงเรียนสุเหร่าคลองใหญ่ (GPS 47P 0707472, 1512996)
Measurement Date May 27 - 28, 2023
Measurement by Autit Aoonsim
Sound Level Meter 00572552

เวลา	ระดับเสียง (dB(A))							ค่าระดับ การรบกวน
	เสียงจาก แหล่งกำเนิด	เสียงขณะ ไม่มีการรบกวน	ผลต่าง (A-B)	ตัวปรับค่า (C)	ปรับค่าเสียงจากแหล่งกำเนิด		เสียงพื้นฐาน	
					กลางวัน (A+C)	กลางคืน (A+C _N)		
12:20 AM - 12:25 AM	44.0	47.8	-3.8	7.0	-	40.0	45.2	-5.2
12:25 AM - 12:30 AM	43.4	48.4	-5.0	7.0	-	39.4	46.6	-7.2
12:30 AM - 12:35 AM	43.7	47.1	-3.4	7.0	-	39.7	44.4	-4.7
12:35 AM - 12:40 AM	42.8	46.2	-3.4	7.0	-	38.8	44.4	-5.6
12:40 AM - 12:45 AM	48.6	47.1	1.5	4.5	-	47.1	45.4	1.7
12:45 AM - 12:50 AM	48.6	48.0	0.6	7.0	-	44.6	46.6	-2.0
12:50 AM - 12:55 AM	43.0	46.8	-3.8	7.0	-	39.0	44.9	-5.9
12:55 AM - 01:00 AM	43.8	46.1	-2.3	7.0	-	39.8	44.5	-4.7
01:00 AM - 01:05 AM	44.2	48.0	-3.8	7.0	-	40.2	45.3	-5.1
01:05 AM - 01:10 AM	45.1	49.5	-4.4	7.0	-	41.1	48.1	-7.0
01:10 AM - 01:15 AM	43.5	49.3	-5.8	7.0	-	39.5	48.1	-8.6
01:15 AM - 01:20 AM	45.9	48.6	-2.7	7.0	-	41.9	44.4	-2.5
01:20 AM - 01:25 AM	48.1	46.6	1.5	4.5	-	46.6	45.2	1.4
01:25 AM - 01:30 AM	47.7	50.0	-2.3	7.0	-	43.7	48.4	-4.7
01:30 AM - 01:35 AM	47.8	49.3	-1.5	7.0	-	43.8	48.2	-4.4
01:35 AM - 01:40 AM	47.8	49.6	-1.8	7.0	-	43.8	48.8	-5.0
01:40 AM - 01:45 AM	47.0	50.5	-3.5	7.0	-	43.0	49.1	-6.1
01:45 AM - 01:50 AM	47.8	49.1	-1.3	7.0	-	43.8	47.2	-3.4
01:50 AM - 01:55 AM	45.8	47.7	-1.9	7.0	-	41.8	45.4	-3.6
01:55 AM - 02:00 AM	47.2	47.1	0.1	7.0	-	43.2	45.2	-2.0
02:00 AM - 02:05 AM	47.0	46.2	0.8	7.0	-	43.0	44.4	-1.4
02:05 AM - 02:10 AM	47.3	44.2	3.1	3.0	-	47.3	43.0	4.3
02:10 AM - 02:15 AM	45.0	43.4	1.6	4.5	-	43.5	42.5	1.0
02:15 AM - 02:20 AM	47.0	44.1	2.9	3.0	-	47.0	42.5	4.5
02:20 AM - 02:25 AM	47.2	44.1	3.1	3.0	-	47.2	43.3	3.9
02:25 AM - 02:30 AM	46.3	43.4	2.9	3.0	-	46.3	42.7	3.6
02:30 AM - 02:35 AM	44.1	43.6	0.5	7.0	-	40.1	42.5	-2.4
02:35 AM - 02:40 AM	44.4	44.8	-0.4	7.0	-	40.4	43.2	-2.8
02:40 AM - 02:45 AM	50.2	45.1	5.1	1.5	-	51.7	44.1	7.6
02:45 AM - 02:50 AM	45.0	45.6	-0.6	7.0	-	41.0	43.4	-2.4
02:50 AM - 02:55 AM	45.3	46.9	-1.6	7.0	-	41.3	45.6	-4.3
02:55 AM - 03:00 AM	48.4	47.6	0.8	7.0	-	44.4	46.2	-1.8
03:00 AM - 03:05 AM	53.8	47.8	6.0	1.5	-	55.3	46.1	9.2
03:05 AM - 03:10 AM	58.5	45.9	12.6	0.0	-	61.5	43.0	18.5
03:10 AM - 03:15 AM	59.6	47.7	11.9	0.5	-	62.1	44.5	17.6
03:15 AM - 03:20 AM	56.0	48.6	7.4	1.0	-	58.0	45.1	12.9
03:20 AM - 03:25 AM	53.9	52.5	1.4	7.0	-	49.9	43.2	6.7
03:25 AM - 03:30 AM	56.1	50.3	5.8	1.5	-	57.6	44.6	13.0
03:30 AM - 03:35 AM	55.1	50.9	4.2	2.0	-	56.1	46.0	10.1
03:35 AM - 03:40 AM	53.5	52.8	0.7	7.0	-	49.5	45.1	4.4

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Analysis / Test Report



TESTING
No.0009

Client : Asia Industrial Estate Co., Ltd.

49 Soi Pipat (Silom 3) Asia Sermkij Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500

P/O : สัญญาจ้าง

Project Name : Project AIE (Suwanaphumi)

Project Location :

Lot ID: 2358316

Date Received : May 30, 2023

Date Reported : Jun 09, 2023

Report Number : 2678444-1

Page 3 of 3

Sample No. 2358316-4
Parameter เสียงรบกวน
Location N1 : โรงเขียนสุหร้าคตลองใหญ่ (GPS 47P 0707472, 1512996)
Measurement Date May 27 - 28, 2023
Measurement by Audit Aoonsim
Sound Level Meter 00572552

เวลา	ระดับเสียง (dB(A))				ปรับค่าเสียงจากแหล่งกำเนิด		เสียงพื้นฐาน	ค่าระดับการรบกวน
	(A)	(B)	(C)	(D)	(A+C)	(A+C)+3		
เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีกิจกรรม	ผลต่างระดับเสียง	ตัวปรับค่า	กลางวัน (A+C)	กลางคืน (A+C)+3	เสียงพื้นฐาน	ค่าระดับการรบกวน
03:40 AM - 03:45 AM	50.9	51.7	-0.8	7.0	-	46.9	46.4	0.5
03:45 AM - 03:50 AM	47.0	50.9	-3.9	7.0	-	43.0	46.9	-3.9
03:50 AM - 03:55 AM	43.7	49.5	-5.8	7.0	-	39.7	46.3	-6.6
03:55 AM - 04:00 AM	48.0	52.4	-4.4	7.0	-	44.0	46.2	-2.2
04:00 AM - 04:05 AM	44.8	49.5	-4.7	7.0	-	40.8	47.9	-7.1
04:05 AM - 04:10 AM	41.9	51.4	-9.5	7.0	-	37.9	46.3	-8.4
04:10 AM - 04:15 AM	50.0	46.2	3.8	2.0	-	51.0	44.5	6.5
04:15 AM - 04:20 AM	62.8	50.2	12.6	0.0	-	65.8	44.4	21.4
04:20 AM - 04:25 AM	46.4	56.0	-9.6	7.0	-	42.4	45.2	-2.8
04:25 AM - 04:30 AM	48.1	55.7	-7.6	7.0	-	44.1	44.6	-0.5
04:30 AM - 04:35 AM	47.8	48.2	-0.4	7.0	-	43.8	45.2	-1.4
04:35 AM - 04:40 AM	50.4	50.3	0.1	7.0	-	46.4	43.3	3.1
04:40 AM - 04:45 AM	50.9	50.3	0.6	7.0	-	46.9	45.4	1.5
04:45 AM - 04:50 AM	50.1	55.4	-5.3	7.0	-	46.1	48.3	-2.2
04:50 AM - 04:55 AM	49.3	54.5	-5.2	7.0	-	45.3	52.0	-6.7
04:55 AM - 05:00 AM	46.7	55.6	-8.9	7.0	-	42.7	53.9	-11.2
05:00 AM - 05:05 AM	45.8	57.5	-11.7	7.0	-	41.8	56.5	-14.7
05:05 AM - 05:10 AM	47.7	57.0	-9.3	7.0	-	43.7	55.0	-11.3
05:10 AM - 05:15 AM	50.8	52.7	-1.9	7.0	-	46.8	50.7	-4.1
05:15 AM - 05:20 AM	53.6	51.5	2.1	4.5	-	52.1	50.2	1.9
05:20 AM - 05:25 AM	52.3	53.0	-0.7	7.0	-	48.3	51.7	-3.4
05:25 AM - 05:30 AM	51.3	58.0	-6.7	7.0	-	47.3	53.7	-6.4
05:30 AM - 05:35 AM	50.5	60.3	-9.8	7.0	-	46.5	58.9	-12.4
05:35 AM - 05:40 AM	49.9	62.2	-12.3	7.0	-	45.9	57.6	-11.7
05:40 AM - 05:45 AM	48.0	62.5	-14.5	7.0	-	44.0	58.9	-14.9
05:45 AM - 05:50 AM	50.6	61.7	-11.1	7.0	-	46.6	58.5	-11.9
05:50 AM - 05:55 AM	53.4	61.7	-8.3	7.0	-	49.4	60.0	-10.6
05:55 AM - 06:00 AM	55.6	60.7	-5.1	7.0	-	51.6	58.2	-6.6
06:00 AM - 07:00 AM	54.8	57.6	-2.8	7.0	47.8	-	54.3	-6.5
07:00 AM - 08:00 AM	53.2	59.5	-6.3	7.0	46.2	-	54.0	-7.8
08:00 AM - 09:00 AM	50.8	55.1	-4.3	7.0	43.8	-	46.3	-2.5
09:00 AM - 10:00 AM	53.4	51.4	2.0	4.5	48.9	-	44.5	4.4
ค่ามาตรฐาน								≤ 10

Reference Method : Based on ISO 1996-1 and ISO 1996-2

มาตรฐาน

- ประกาศกระทรวงอุตสาหกรรม เรื่อง กำหนดค่าระดับเสียงการรบกวนและระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548
- ประกาศกรมโรงงานอุตสาหกรรม เรื่อง วิธีการตรวจวัดระดับเสียงรบกวน ระดับเสียงเฉลี่ย 24 ชั่วโมง และระดับเสียงสูงสุดที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2553
- ประกาศกระทรวงสาธารณสุข เรื่อง กำหนดค่ามาตรฐานลักษณะทางเสียงอันเกิดจากการประกอบกิจการที่เป็นอันตรายต่อสุขภาพ พ.ศ. 2561

ระดับเสียงพื้นฐานและระดับเสียงขณะไม่มีกิจกรรม (Sample No.2358336-8 วันที่ตรวจวัด 27-28 พฤษภาคม 2566)

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Analysis / Test Report



TESTING
No.0009

Client : Asia Industrial Estate Co., Ltd.

49 Soi Pipat (Silom 3) Asia Sermkij Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500

P/O : สัญญาจ้าง

Project Name : Project AIE (Suwanaphumi)

Project Location :

Lot ID: 2358316

Date Received : May 30, 2023

Date Reported : Jun 09, 2023

Report Number : 2678445-1

Page 1 of 3

Sample No. 2358316-5
Parameter เสียงรบกวน
Location N2 : โรงพยายาลสงเสริมสุขภาพผ่านคลองสวน (GPS 47P 0708266, 1510639)
Measurement Date May 24 - 25, 2023
Measurement by Audit Aoonsim
Sound Level Meter 00296512

เวลา	ระดับเสียง (dB(A))				ปรับค่าเสียงจากแหล่งกำเนิด		เสียงพื้นฐาน	ค่าระดับการรบกวน
	(A)	(B)	(C)	(D)	(A+C)	(A+C)+3		
เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีกิจกรรม	ผลต่างระดับเสียง	ตัวปรับค่า	กลางวัน (A+C)	กลางคืน (A+C)+3	เสียงพื้นฐาน	ค่าระดับการรบกวน
01:00 PM - 02:00 PM	51.7	45.1	6.6	1.0	50.7	-	39.8	10.9
02:00 PM - 03:00 PM	51.3	46.1	5.2	1.5	49.8	-	40.7	9.1
03:00 PM - 04:00 PM	51.4	46.4	5.0	1.5	49.9	-	41.5	8.4
04:00 PM - 05:00 PM	51.3	46.5	4.8	1.5	49.8	-	42.4	7.4
05:00 PM - 06:00 PM	48.2	52.1	-3.9	7.0	41.2	-	42.4	-1.2
06:00 PM - 07:00 PM	48.7	48.6	0.1	7.0	41.7	-	41.3	0.4
07:00 PM - 08:00 PM	50.5	45.9	4.6	1.5	49.0	-	41.1	7.9
08:00 PM - 09:00 PM	49.4	44.8	4.6	1.5	47.9	-	43.6	4.3
09:00 PM - 10:00 PM	49.4	47.2	2.2	4.5	44.9	-	45.4	-0.5
10:00 PM - 10:05 PM	50.9	46.7	4.2	2.0	-	51.9	45.8	6.1
10:05 PM - 10:10 PM	48.6	46.8	1.8	4.5	-	47.1	46.0	1.1
10:10 PM - 10:15 PM	49.5	47.2	2.3	4.5	-	48.0	46.1	1.9
10:15 PM - 10:20 PM	48.8	47.7	1.1	7.0	-	44.8	46.9	-2.1
10:20 PM - 10:25 PM	46.0	47.3	-1.3	7.0	-	42.0	46.6	-4.6
10:25 PM - 10:30 PM	47.9	47.8	0.1	7.0	-	43.9	46.9	-3.0
10:30 PM - 10:35 PM	48.4	47.9	0.5	7.0	-	44.4	47.2	-2.8
10:35 PM - 10:40 PM	46.1	47.9	-1.8	7.0	-	42.1	47.2	-5.1
10:40 PM - 10:45 PM	48.9	47.5	1.4	7.0	-	44.9	46.7	-1.8
10:45 PM - 10:50 PM	50.3	47.0	3.3	3.0	-	50.3	45.9	4.4
10:50 PM - 10:55 PM	47.9	47.5	0.4	7.0	-	43.9	46.5	-2.6
10:55 PM - 11:00 PM	48.8	48.2	0.6	7.0	-	44.8	47.4	-2.6
11:00 PM - 11:05 PM	49.2	48.2	1.0	7.0	-	45.2	47.4	-2.2
11:05 PM - 11:10 PM	47.9	47.7	0.2	7.0	-	43.9	46.9	-3.0
11:10 PM - 11:15 PM	46.5	48.5	-2.0	7.0	-	42.5	47.6	-5.1
11:15 PM - 11:20 PM	48.9	49.5	-0.6	7.0	-	44.9	48.1	-3.2
11:20 PM - 11:25 PM	47.6	48.9	-1.3	7.0	-	43.6	48.1	-4.5
11:25 PM - 11:30 PM	45.5	50.2	-4.7	7.0	-	41.5	48.0	-6.5
11:30 PM - 11:35 PM	47.8	48.3	-0.5	7.0	-	43.8	47.5	-3.7
11:35 PM - 11:40 PM	48.3	49.3	-1.0	7.0	-	44.3	47.9	-3.6
11:40 PM - 11:45 PM	46.3	48.1	-1.8	7.0	-	42.3	47.2	-4.9
11:45 PM - 11:50 PM	47.4	48.0	-0.6	7.0	-	43.4	47.2	-3.8
11:50 PM - 11:55 PM	48.1	48.4	-0.3	7.0	-	44.1	47.3	-3.2
11:55 PM - 12:00 AM	55.4	49.3	6.1	1.5	-	56.9	47.5	9.4
12:00 AM - 12:05 AM	47.6	49.9	-2.3	7.0	-	43.6	48.2	-4.6
12:05 AM - 12:10 AM	48.6	50.4	-1.8	7.0	-	44.6	48.1	-3.5
12:10 AM - 12:15 AM	52.2	47.6	4.6	1.5	-	53.7	46.8	6.9
12:15 AM - 12:20 AM	47.7	48.3	-0.6	7.0	-	43.7	47.2	-3.5
12:20 AM - 12:25 AM	50.5	47.5	3.0	3.0	-	50.5	46.8	3.7
12:25 AM - 12:30 AM	50.4	47.5	2.9	3.0	-	50.4	46.8	3.6
12:30 AM - 12:35 AM	48.2	47.5	0.7	7.0	-	44.2	46.8	-2.6

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Analysis / Test Report



TESTING
No.0009

Client : Asia Industrial Estate Co., Ltd.

49 Soi Pipat (Silom 3) Asia Sermkij Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500

P/O : สัญญาจ้าง

Project Name : Project AIE (Suwanaphumi)

Project Location :

Lot ID: 2358316

Date Received : May 30, 2023

Date Reported : Jun 09, 2023

Report Number : 2678445-1

Page 2 of 3

Sample No. 2358316-5
Parameter เสียงรบกวน
Location N2 : โรงพยาบาลส่งเสริมสุขภาพตำบลคลองสวน (GPS 47P 0708266, 1510639)
Measurement Date May 24 - 25, 2023
Measurement by Autit Aoonsim
Sound Level Meter 00296512

ระดับเสียง (dB(A))							
เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีกรรมกร	ผลต่างระดับเสียง	ตัวปรับค่า	ปรับค่าเสียงจากแหล่งกำเนิด		ค่าระดับการรบกวน
					กลางวัน (A/C)	กลางคืน (A/C+1)	
12:35 AM - 12:40 AM	47.7	47.9	-0.2	7.0	-	43.7	47.0
12:40 AM - 12:45 AM	48.3	49.4	-1.1	7.0	-	44.3	46.7
12:45 AM - 12:50 AM	48.4	54.1	-5.7	7.0	-	44.4	47.3
12:50 AM - 12:55 AM	49.0	47.6	1.4	7.0	-	45.0	45.7
12:55 AM - 01:00 AM	51.2	46.9	4.3	2.0	-	52.2	44.9
01:00 AM - 01:05 AM	59.4	48.1	11.3	0.5	-	61.9	44.6
01:05 AM - 01:10 AM	48.7	49.5	-0.8	7.0	-	44.7	44.0
01:10 AM - 01:15 AM	45.6	50.4	-4.8	7.0	-	41.6	43.8
01:15 AM - 01:20 AM	48.6	48.1	0.5	7.0	-	44.6	43.5
01:20 AM - 01:25 AM	48.7	47.8	0.9	7.0	-	44.7	43.9
01:25 AM - 01:30 AM	48.2	59.3	-11.1	7.0	-	44.2	44.2
01:30 AM - 01:35 AM	59.0	50.0	9.0	0.5	-	61.5	43.7
01:35 AM - 01:40 AM	59.4	58.1	1.3	7.0	-	55.4	44.3
01:40 AM - 01:45 AM	52.6	58.9	-6.3	7.0	-	48.6	45.6
01:45 AM - 01:50 AM	53.8	46.7	7.1	1.0	-	55.8	40.4
01:50 AM - 01:55 AM	46.9	54.6	-7.7	7.0	-	42.9	40.1
01:55 AM - 02:00 AM	47.9	54.0	-6.1	7.0	-	43.9	45.6
02:00 AM - 02:05 AM	53.4	54.7	-1.3	7.0	-	49.4	48.1
02:05 AM - 02:10 AM	47.6	48.3	-0.7	7.0	-	43.6	43.2
02:10 AM - 02:15 AM	49.8	47.7	2.1	4.5	-	48.3	40.7
02:15 AM - 02:20 AM	50.4	44.9	5.5	1.5	-	51.9	40.4
02:20 AM - 02:25 AM	47.2	46.3	0.9	7.0	-	43.2	41.6
02:25 AM - 02:30 AM	47.3	44.9	2.4	4.5	-	45.8	39.5
02:30 AM - 02:35 AM	47.9	44.1	3.8	2.0	-	48.9	39.9
02:35 AM - 02:40 AM	48.8	45.7	3.1	3.0	-	48.8	41.3
02:40 AM - 02:45 AM	48.0	47.1	0.9	7.0	-	44.0	43.8
02:45 AM - 02:50 AM	47.4	46.4	1.0	7.0	-	43.4	44.3
02:50 AM - 02:55 AM	47.1	48.3	-1.2	7.0	-	43.1	44.6
02:55 AM - 03:00 AM	47.6	45.4	2.2	4.5	-	46.1	44.6
03:00 AM - 03:05 AM	47.0	44.1	2.9	3.0	-	47.0	39.7
03:05 AM - 03:10 AM	47.2	47.2	0.0	7.0	-	43.2	40.2
03:10 AM - 03:15 AM	47.5	48.6	-1.1	7.0	-	43.5	45.7
03:15 AM - 03:20 AM	48.3	49.3	-1.0	7.0	-	44.3	45.5
03:20 AM - 03:25 AM	48.0	46.2	1.8	4.5	-	46.5	45.4
03:25 AM - 03:30 AM	48.2	46.8	1.4	7.0	-	44.2	45.9
03:30 AM - 03:35 AM	48.4	46.1	2.3	4.5	-	46.9	45.4
03:35 AM - 03:40 AM	48.6	46.7	1.9	4.5	-	47.1	45.9
03:40 AM - 03:45 AM	49.0	47.1	1.9	4.5	-	47.5	45.9
03:45 AM - 03:50 AM	49.3	44.4	4.9	1.5	-	50.8	43.1
03:50 AM - 03:55 AM	48.5	45.8	2.7	3.0	-	48.5	43.0

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Analysis / Test Report



TESTING
No.0009

Client : Asia Industrial Estate Co., Ltd.

49 Soi Pipat (Silom 3) Asia Sermkij Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500

P/O : สัญญาจ้าง

Project Name : Project AIE (Suwanaphumi)

Project Location :

Lot ID: 2358316

Date Received : May 30, 2023

Date Reported : Jun 09, 2023

Report Number : 2678445-1

Page 3 of 3

Sample No. 2358316-5
Parameter เสียงรบกวน
Location N2 : โรงพยาบาลส่งเสริมสุขภาพตำบลคลองสวน (GPS 47P 0708266, 1510639)
Measurement Date May 24 - 25, 2023
Measurement by Autit Aoonsim
Sound Level Meter 00296512

ระดับเสียง (dB(A))							
เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีกรรมกร	ผลต่างระดับเสียง	ตัวปรับค่า	ปรับค่าเสียงจากแหล่งกำเนิด		ค่าระดับการรบกวน
					กลางวัน (A/C)	กลางคืน (A/C+1)	
03:55 AM - 04:00 AM	49.7	44.0	5.7	1.5	-	51.2	43.3
04:00 AM - 04:05 AM	48.4	43.5	4.9	1.5	-	49.9	43.0
04:05 AM - 04:10 AM	57.1	46.7	10.4	0.5	-	59.6	43.7
04:10 AM - 04:15 AM	50.5	45.6	4.9	1.5	-	52.0	43.5
04:15 AM - 04:20 AM	53.3	48.9	4.4	2.0	-	54.3	43.4
04:20 AM - 04:25 AM	59.9	43.8	16.1	0.0	-	62.9	42.8
04:25 AM - 04:30 AM	56.2	46.5	9.7	0.5	-	58.7	43.0
04:30 AM - 04:35 AM	55.5	45.6	9.9	0.5	-	58.0	44.4
04:35 AM - 04:40 AM	60.0	46.2	13.8	0.0	-	63.0	44.4
04:40 AM - 04:45 AM	59.7	46.1	13.6	0.0	-	62.7	44.8
04:45 AM - 04:50 AM	54.1	46.9	7.2	1.0	-	56.1	45.7
04:50 AM - 04:55 AM	52.2	48.2	4.0	2.0	-	53.2	45.6
04:55 AM - 05:00 AM	52.1	48.3	3.8	2.0	-	53.1	46.0
05:00 AM - 05:05 AM	53.6	47.8	5.8	1.5	-	55.1	46.5
05:05 AM - 05:10 AM	51.8	46.8	5.0	1.5	-	53.3	46.1
05:10 AM - 05:15 AM	49.5	47.5	2.0	4.5	-	48.0	45.9
05:15 AM - 05:20 AM	48.6	48.9	-0.3	7.0	-	44.6	46.5
05:20 AM - 05:25 AM	48.2	53.8	-5.6	7.0	-	44.2	48.4
05:25 AM - 05:30 AM	47.8	51.5	-3.7	7.0	-	43.8	47.5
05:30 AM - 05:35 AM	50.5	53.1	-2.6	7.0	-	46.5	48.2
05:35 AM - 05:40 AM	50.9	62.4	-11.5	7.0	-	46.9	48.8
05:40 AM - 05:45 AM	52.5	50.3	2.2	4.5	-	51.0	47.3
05:45 AM - 05:50 AM	51.7	54.3	-2.6	7.0	-	47.7	46.5
05:50 AM - 05:55 AM	51.9	50.3	1.6	4.5	-	50.4	47.3
05:55 AM - 06:00 AM	51.3	49.3	2.0	4.5	-	49.8	45.5
06:00 AM - 07:00 AM	48.8	50.6	-1.8	7.0	41.8	-	46.5
07:00 AM - 08:00 AM	51.4	52.6	-1.2	7.0	44.4	-	47.7
08:00 AM - 09:00 AM	52.3	52.0	0.3	7.0	45.3	-	45.2
09:00 AM - 10:00 AM	50.9	47.7	3.2	3.0	47.9	-	41.5
10:00 AM - 11:00 AM	51.8	49.4	2.4	4.5	47.3	-	45.7
11:00 AM - 12:00 PM	52.7	47.0	5.7	1.5	51.2	-	41.2
12:00 PM - 01:00 PM	50.0	47.7	2.3	4.5	45.5	-	41.5

ค่ามาตรฐาน

Reference Method : Based on ISO 1996-1 and ISO 1996-2

มาตรฐาน

- ประกาศกระทรวงอุตสาหกรรม เรื่อง กำหนดค่าระดับเสียงการรบกวนและระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548
- ประกาศกรมโรงงานอุตสาหกรรม เรื่อง วิธีการตรวจวัดระดับเสียงรบกวน ระดับเสียงเฉลี่ย 24 ชั่วโมง และระดับเสียงสูงสุดที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2553
- ประกาศกระทรวงสาธารณสุข เรื่อง กำหนดค่ามาตรฐานระดับเสียงทางเสียงที่เกิดจากการประกอบกิจการที่เป็นอันตรายต่อสุขภาพ พ.ศ. 2561

ระดับเสียงจากแหล่งกำเนิด ท้าการตรวจวัด วันที่ 24-25 พฤษภาคม 2566

ระดับเสียงพื้นฐานและระดับเสียงขณะไม่มีกรรมกร (Sample No.2358336-13 วันที่ตรวจวัด 24-25 พฤษภาคม 2566)

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Analysis / Test Report



TESTING
No.0009

Client : Asia Industrial Estate Co., Ltd.

49 Soi Pipat (Silom 3) Asia Sermkij Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500

P/O : สัตยาจำ

Project Name : Project AIE (Suwanaphumi)

Project Location :

Lot ID: 2358316

Date Received : May 30, 2023

Date Reported : Jun 09, 2023

Report Number : 2678446-1

Page 1 of 3

Sample No. 2358316-6
Parameter เสียงรบกวน
Location N2 : โรงพยาบาลส่งเสริมสุขภาพผ่านคลองสวน (GPS 47P 0708266, 1510639)
Measurement Date May 25 - 26, 2023
Measurement by Autit Aoonsim
Sound Level Meter 00296512

ระดับเสียง (dB(A))								
เวลา	(A)	(B)	(C)	(D)		(E)	(F)	(G)
	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	ผลต่างระดับเสียง	ตัวปรับค่า	ปรับค่าเสียงจากแหล่งกำเนิด			
				กลางวัน (A-C)	กลางคืน (A-C+1)		เสียงพื้นฐาน	ค่าระดับการรบกวน
01:00 PM - 02:00 PM	47.7	48.9	-1.2	7.0	40.7	-	42.4	-1.7
02:00 PM - 03:00 PM	50.6	46.9	3.7	2.0	48.6	-	42.2	6.4
03:00 PM - 04:00 PM	48.7	48.3	0.4	7.0	41.7	-	42.9	-1.2
04:00 PM - 05:00 PM	47.9	47.8	0.1	7.0	40.9	-	42.9	-2.0
05:00 PM - 06:00 PM	48.4	48.8	-0.4	7.0	41.4	-	43.0	-1.6
06:00 PM - 07:00 PM	49.8	53.5	-3.7	7.0	42.8	-	42.5	0.3
07:00 PM - 08:00 PM	51.5	46.1	5.4	1.5	50.0	-	43.6	6.4
08:00 PM - 09:00 PM	52.3	48.8	3.5	2.0	50.3	-	48.0	2.3
09:00 PM - 10:00 PM	53.1	48.1	5.0	1.5	51.6	-	47.0	4.6
10:00 PM - 10:05 PM	53.9	47.8	6.1	1.5	-	55.4	47.2	8.2
10:05 PM - 10:10 PM	51.5	48.1	3.4	3.0	-	51.5	47.3	4.2
10:10 PM - 10:15 PM	58.7	48.3	10.4	0.5	-	61.2	47.6	13.6
10:15 PM - 10:20 PM	49.1	51.1	-2.0	7.0	-	45.1	47.5	-2.4
10:20 PM - 10:25 PM	50.6	48.3	2.3	4.5	-	49.1	47.5	1.6
10:25 PM - 10:30 PM	50.5	48.3	2.2	4.5	-	49.0	47.1	1.9
10:30 PM - 10:35 PM	49.5	48.2	1.3	7.0	-	45.5	47.1	-1.6
10:35 PM - 10:40 PM	53.3	48.1	5.2	1.5	-	54.8	47.4	7.4
10:40 PM - 10:45 PM	52.1	49.6	2.5	3.0	-	52.1	46.7	5.4
10:45 PM - 10:50 PM	51.9	47.9	4.0	2.0	-	52.9	47.1	5.8
10:50 PM - 10:55 PM	50.5	48.3	2.2	4.5	-	49.0	47.3	1.7
10:55 PM - 11:00 PM	51.5	49.6	1.9	4.5	-	50.0	47.6	2.4
11:00 PM - 11:05 PM	52.4	47.6	4.8	1.5	-	53.9	46.7	7.2
11:05 PM - 11:10 PM	51.5	47.8	3.7	2.0	-	52.5	47.1	5.4
11:10 PM - 11:15 PM	51.5	47.8	3.7	2.0	-	52.5	46.9	5.6
11:15 PM - 11:20 PM	53.2	47.8	5.4	1.5	-	54.7	46.9	7.8
11:20 PM - 11:25 PM	53.7	47.6	6.1	1.5	-	55.2	46.6	8.6
11:25 PM - 11:30 PM	50.5	47.2	3.3	3.0	-	50.5	46.2	4.3
11:30 PM - 11:35 PM	53.6	47.2	6.4	1.5	-	55.1	46.4	8.7
11:35 PM - 11:40 PM	53.3	47.1	6.2	1.5	-	54.8	46.3	8.5
11:40 PM - 11:45 PM	52.9	47.1	5.8	1.5	-	54.4	45.7	8.7
11:45 PM - 11:50 PM	52.3	47.2	5.1	1.5	-	53.8	46.3	7.5
11:50 PM - 11:55 PM	53.6	51.2	2.4	4.5	-	52.1	46.8	5.3
11:55 PM - 12:00 AM	54.2	47.6	6.6	1.0	-	56.2	46.8	9.4
12:00 AM - 12:05 AM	52.6	47.3	5.3	1.5	-	54.1	46.4	7.7
12:05 AM - 12:10 AM	53.3	47.2	6.1	1.5	-	54.8	46.4	8.4
12:10 AM - 12:15 AM	54.8	47.5	7.3	1.0	-	56.8	46.7	10.1
12:15 AM - 12:20 AM	54.7	47.6	7.1	1.0	-	56.7	46.5	10.2
12:20 AM - 12:25 AM	50.9	47.7	3.2	3.0	-	50.9	46.6	4.3
12:25 AM - 12:30 AM	54.4	48.0	6.4	1.5	-	55.9	47.1	8.8
12:30 AM - 12:35 AM	54.4	47.7	6.7	1.0	-	56.4	45.2	11.2

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Analysis / Test Report



TESTING
No.0009

Client : Asia Industrial Estate Co., Ltd.

49 Soi Pipat (Silom 3) Asia Sermkij Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500

P/O : สัตยาจำ

Project Name : Project AIE (Suwanaphumi)

Project Location :

Lot ID: 2358316

Date Received : May 30, 2023

Date Reported : Jun 09, 2023

Report Number : 2678446-1

Page 2 of 3

Sample No. 2358316-6
Parameter เสียงรบกวน
Location N2 : โรงพยาบาลส่งเสริมสุขภาพผ่านคลองสวน (GPS 47P 0708266, 1510639)
Measurement Date May 25 - 26, 2023
Measurement by Autit Aoonsim
Sound Level Meter 00296512

เวลา	ระดับเสียง (dB(A))								ค่าระดับ การรบกวน
	เสียงจาก แหล่งกำเนิด	เสียงขณะ ไม่มีการรบกวน	ผลต่าง (A-B)	ตัวปรับค่า	ปรับค่าเสียงจากแหล่งกำเนิด		เสียงพื้นฐาน		
					กลางวัน (A-C)	กลางคืน (A-C+1)			
12:35 AM - 12:40 AM	54.4	47.5	6.9	1.0	-	56.4	45.2	11.2	
12:40 AM - 12:45 AM	49.3	48.4	0.9	7.0	-	45.3	47.3	-2.0	
12:45 AM - 12:50 AM	51.6	48.5	3.1	3.0	-	51.6	47.4	4.2	
12:50 AM - 12:55 AM	51.3	48.5	2.8	3.0	-	51.3	47.6	3.7	
12:55 AM - 01:00 AM	49.3	47.2	2.1	4.5	-	47.8	45.5	2.3	
01:00 AM - 01:05 AM	50.4	45.8	4.6	1.5	-	51.9	44.9	7.0	
01:05 AM - 01:10 AM	51.0	45.4	5.6	1.5	-	52.5	44.5	8.0	
01:10 AM - 01:15 AM	51.0	46.2	4.8	1.5	-	52.5	45.2	7.3	
01:15 AM - 01:20 AM	51.6	46.3	5.3	1.5	-	53.1	45.4	7.7	
01:20 AM - 01:25 AM	52.4	46.5	5.9	1.5	-	53.9	45.5	8.4	
01:25 AM - 01:30 AM	51.6	46.5	5.1	1.5	-	53.1	45.5	7.6	
01:30 AM - 01:35 AM	52.1	46.3	5.8	1.5	-	53.6	45.3	8.3	
01:35 AM - 01:40 AM	51.5	46.9	4.6	1.5	-	53.0	45.0	8.0	
01:40 AM - 01:45 AM	51.3	45.2	6.1	1.5	-	52.8	43.2	9.6	
01:45 AM - 01:50 AM	51.3	45.3	6.0	1.5	-	52.8	43.4	9.4	
01:50 AM - 01:55 AM	50.0	44.4	5.6	1.5	-	51.5	43.1	8.4	
01:55 AM - 02:00 AM	51.7	47.6	4.1	2.0	-	52.7	45.5	7.2	
02:00 AM - 02:05 AM	52.7	48.8	3.9	2.0	-	53.7	45.6	8.1	
02:05 AM - 02:10 AM	54.3	48.3	6.0	1.5	-	55.8	44.9	10.9	
02:10 AM - 02:15 AM	51.9	47.5	4.4	2.0	-	52.9	44.7	8.2	
02:15 AM - 02:20 AM	53.4	49.3	4.1	2.0	-	54.4	46.8	7.6	
02:20 AM - 02:25 AM	53.8	48.7	5.1	1.5	-	55.3	47.1	8.2	
02:25 AM - 02:30 AM	54.0	49.4	4.6	1.5	-	55.5	48.1	7.4	
02:30 AM - 02:35 AM	51.7	49.2	2.5	3.0	-	51.7	47.9	3.8	
02:35 AM - 02:40 AM	53.2	48.7	4.5	1.5	-	54.7	47.5	7.2	
02:40 AM - 02:45 AM	53.4	46.9	6.5	1.0	-	55.4	43.8	11.6	
02:45 AM - 02:50 AM	53.6	44.0	9.6	0.5	-	56.1	42.5	13.6	
02:50 AM - 02:55 AM	50.5	45.3	5.2	1.5	-	52.0	44.2	7.8	
02:55 AM - 03:00 AM	54.6	45.7	8.9	0.5	-	57.1	44.1	13.0	
03:00 AM - 03:05 AM	55.0	52.0	3.0	3.0	-	55.0	45.2	9.8	
03:05 AM - 03:10 AM	54.1	47.4	6.7	1.0	-	56.1	45.0	11.1	
03:10 AM - 03:15 AM	49.6	46.5	3.1	3.0	-	49.6	45.3	4.3	
03:15 AM - 03:20 AM	51.6	48.9	2.7	3.0	-	51.6	46.0	5.6	
03:20 AM - 03:25 AM	51.9	50.1	1.8	4.5	-	50.4	48.8	1.6	
03:25 AM - 03:30 AM	51.5	50.3	1.2	7.0	-	47.5	49.2	-1.7	
03:30 AM - 03:35 AM	49.3	51.4	-2.1	7.0	-	45.3	49.4	-4.1	
03:35 AM - 03:40 AM	52.6	50.5	2.1	4.5	-	51.1	49.4	1.7	
03:40 AM - 03:45 AM	52.7	54.0	-1.3	7.0	-	48.7	49.2	-0.5	
03:45 AM - 03:50 AM	51.3	52.8	-1.5	7.0	-	47.3	48.2	-0.9	
03:50 AM - 03:55 AM	50.0	50.2	-0.2	7.0	-	46.0	48.1	-2.1	

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Analysis / Test Report



TESTING
No.0009

Client : Asia Industrial Estate Co., Ltd.

49 Soi Pipat (Silom 3) Asia Sermkij Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500

P/O : สัญญาจ้าง

Project Name : Project AIE (Suwanaphumi)

Project Location :

Lot ID: 2358316

Date Received : May 30, 2023

Date Reported : Jun 09, 2023

Report Number : 2678446-1

Page 3 of 3

Sample No. 2358316-6
Parameter เสียงรบกวน
Location N2 : โรงพบบาลส่งเสริมสุขภาพผ่านคลองสวน (GPS 47P 0708266, 1510639)
Measurement Date May 25 - 26, 2023
Measurement by Audit Aconsim
Sound Level Meter 00296512

เวลา	ระดับเสียง (dB(A))							ค่าระดับการรบกวน
	(A) เสียงจากแหล่งกำเนิด	(B) เสียงขณะไม่มีกิจกรรมภายใน	(A-B) ผลต่างระดับเสียง	(C) ตัวปรับค่า	(D) ปรับค่าเสียงจากแหล่งกำเนิด		(E) เสียงพื้นฐาน	
					(A-C) กลางวัน	(A-C)+3 กลางคืน		
03:55 AM - 04:00 AM	52.7	49.9	2.8	3.0	-	52.7	47.9	4.8
04:00 AM - 04:05 AM	52.5	49.7	2.8	3.0	-	52.5	47.5	5.0
04:05 AM - 04:10 AM	50.5	50.3	0.2	7.0	-	46.5	48.7	-2.2
04:10 AM - 04:15 AM	51.3	50.0	1.3	7.0	-	47.3	47.0	0.3
04:15 AM - 04:20 AM	53.5	51.5	2.0	4.5	-	52.0	50.4	1.6
04:20 AM - 04:25 AM	53.7	51.4	2.3	4.5	-	52.2	50.1	2.1
04:25 AM - 04:30 AM	51.4	52.4	-1.0	7.0	-	47.4	50.5	-3.1
04:30 AM - 04:35 AM	52.5	51.7	0.8	7.0	-	48.5	50.0	-1.5
04:35 AM - 04:40 AM	54.3	51.2	3.1	3.0	-	54.3	49.5	4.8
04:40 AM - 04:45 AM	54.1	51.9	2.2	4.5	-	52.6	50.5	2.1
04:45 AM - 04:50 AM	52.3	51.6	0.7	7.0	-	48.3	50.0	-1.7
04:50 AM - 04:55 AM	53.1	51.8	1.3	7.0	-	49.1	50.4	-1.3
04:55 AM - 05:00 AM	54.7	52.4	2.3	4.5	-	53.2	49.7	3.5
05:00 AM - 05:05 AM	54.8	52.9	1.9	4.5	-	53.3	49.7	3.6
05:05 AM - 05:10 AM	54.5	50.0	4.5	1.5	-	56.0	47.8	8.2
05:10 AM - 05:15 AM	51.7	50.3	1.4	7.0	-	47.7	48.0	-0.3
05:15 AM - 05:20 AM	54.8	51.9	2.9	3.0	-	54.8	50.0	4.8
05:20 AM - 05:25 AM	54.7	52.7	2.0	4.5	-	53.2	50.9	2.3
05:25 AM - 05:30 AM	54.9	53.2	1.7	4.5	-	53.4	51.2	2.2
05:30 AM - 05:35 AM	52.4	51.8	0.6	7.0	-	48.4	48.4	0.0
05:35 AM - 05:40 AM	53.3	50.6	2.7	3.0	-	53.3	48.1	5.2
05:40 AM - 05:45 AM	51.8	49.9	1.9	4.5	-	50.3	46.9	3.4
05:45 AM - 05:50 AM	51.7	54.5	-2.8	7.0	-	47.7	48.4	-0.7
05:50 AM - 05:55 AM	50.9	53.3	-2.4	7.0	-	46.9	48.5	-1.6
05:55 AM - 06:00 AM	50.2	50.8	-0.6	7.0	-	46.2	48.0	-1.8
06:00 AM - 07:00 AM	53.8	51.6	2.2	4.5	49.3	-	47.8	1.5
07:00 AM - 08:00 AM	52.2	49.5	2.7	3.0	49.2	-	44.7	4.5
08:00 AM - 09:00 AM	56.0	50.3	5.7	1.5	54.5	-	46.3	8.2
09:00 AM - 10:00 AM	53.7	51.9	1.8	4.5	49.2	-	47.2	2.0
10:00 AM - 11:00 AM	52.7	50.6	2.1	4.5	48.2	-	45.3	2.9
11:00 AM - 12:00 PM	52.3	55.5	-3.2	7.0	45.3	-	45.0	0.3
12:00 PM - 01:00 PM	51.3	47.5	3.8	2.0	49.3	-	43.3	6.0
ค่ามาตรฐาน								≤ 10

Reference Method : Based on ISO 1996-1 and ISO 1996-2

มาตรฐาน

- ประกาศกระทรวงอุตสาหกรรม เรื่อง กำหนดค่าระดับเสียงการรบกวนและระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548
- ประกาศกรมโรงงานอุตสาหกรรม เรื่อง วิธีการตรวจวัดระดับเสียงรบกวน ระดับเสียงเฉลี่ย 24 ชั่วโมง และระดับเสียงสูงสุดที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2553
- ประกาศกระทรวงสาธารณสุข เรื่อง กำหนดค่ามาตรฐานหลักพิษทางเสียงอันเกิดจากการประกอบกิจการที่เป็นอันตรายต่อสุขภาพ พ.ศ. 2561

ระดับเสียงพื้นฐานและระดับเสียงขณะไม่มีกิจกรรม (Sample No.2358336-14 วันที่ตรวจวัด 25-26 พฤษภาคม 2566)

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Analysis / Test Report



TESTING
No.0009

Client : Asia Industrial Estate Co., Ltd.

49 Soi Pipat (Silom 3) Asia Sermkij Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500

P/O : สัญญาจ้าง

Project Name : Project AIE (Suwanaphumi)

Project Location :

Lot ID: 2358316

Date Received : May 30, 2023

Date Reported : Jun 09, 2023

Report Number : 2678447-1

Page 1 of 3

Sample No. 2358316-7
Parameter เสียงรบกวน
Location N2 : โรงพบบาลส่งเสริมสุขภาพผ่านคลองสวน (GPS 47P 0708266, 1510639)
Measurement Date May 26 - 27, 2023
Measurement by Audit Aconsim
Sound Level Meter 00296512

เวลา	ระดับเสียง (dB(A))							ค่าระดับการรบกวน
	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	ผลต่าง	ตัวปรับค่า	ปรับค่าเสียงจากแหล่งกำเนิด		เสียงพื้นฐาน	
					กลางวัน	กลางคืน		
01:00 PM - 02:00 PM	48.9	48.1	0.8	7.0	41.9	-	43.8	-1.9
02:00 PM - 03:00 PM	49.5	47.6	1.9	4.5	45.0	-	42.4	2.6
03:00 PM - 04:00 PM	48.5	47.5	1.0	7.0	41.5	-	41.3	0.2
04:00 PM - 05:00 PM	49.1	46.4	2.7	3.0	46.1	-	41.9	4.2
05:00 PM - 06:00 PM	49.2	47.0	2.2	4.5	44.7	-	40.6	4.1
06:00 PM - 07:00 PM	50.4	46.1	4.3	2.0	48.4	-	41.0	7.4
07:00 PM - 08:00 PM	48.7	47.6	1.1	7.0	41.7	-	45.7	-4.0
08:00 PM - 09:00 PM	47.5	47.9	-0.4	7.0	40.5	-	46.7	-6.2
09:00 PM - 10:00 PM	52.3	47.3	5.0	1.5	50.8	-	43.5	7.3
10:00 PM - 10:05 PM	45.5	50.9	-5.4	7.0	-	41.5	43.0	-1.5
10:05 PM - 10:10 PM	45.4	44.7	0.7	7.0	-	41.4	42.1	-0.7
10:10 PM - 10:15 PM	45.5	44.6	0.9	7.0	-	41.5	42.2	-0.7
10:15 PM - 10:20 PM	45.9	51.0	-5.1	7.0	-	41.9	43.6	-1.7
10:20 PM - 10:25 PM	46.6	54.7	-8.1	7.0	-	42.6	44.1	-1.5
10:25 PM - 10:30 PM	46.2	46.3	-0.1	7.0	-	42.2	43.3	-1.1
10:30 PM - 10:35 PM	45.9	46.2	-0.3	7.0	-	41.9	43.3	-1.4
10:35 PM - 10:40 PM	47.9	49.2	-1.3	7.0	-	43.9	43.4	0.5
10:40 PM - 10:45 PM	48.7	43.9	4.8	1.5	-	50.2	42.3	7.9
10:45 PM - 10:50 PM	46.5	44.4	2.1	4.5	-	45.0	42.9	2.1
10:50 PM - 10:55 PM	46.1	45.4	0.7	7.0	-	42.1	43.2	-1.1
10:55 PM - 11:00 PM	46.2	46.0	0.2	7.0	-	42.2	43.8	-1.6
11:00 PM - 11:05 PM	45.2	45.9	-0.7	7.0	-	41.2	44.1	-2.9
11:05 PM - 11:10 PM	46.8	44.9	1.9	4.5	-	45.3	43.5	1.8
11:10 PM - 11:15 PM	46.3	44.6	1.7	4.5	-	44.8	42.9	1.9
11:15 PM - 11:20 PM	44.8	45.7	-0.9	7.0	-	40.8	43.4	-2.6
11:20 PM - 11:25 PM	44.5	45.7	-1.2	7.0	-	40.5	43.5	-3.0
11:25 PM - 11:30 PM	44.0	44.6	-0.6	7.0	-	40.0	43.2	-3.2
11:30 PM - 11:35 PM	46.4	47.7	-1.3	7.0	-	42.4	43.4	-1.0
11:35 PM - 11:40 PM	44.7	44.3	0.4	7.0	-	40.7	42.3	-1.6
11:40 PM - 11:45 PM	44.3	44.4	-0.1	7.0	-	40.3	42.6	-2.3
11:45 PM - 11:50 PM	45.3	45.4	-0.1	7.0	-	41.3	43.1	-1.8
11:50 PM - 11:55 PM	45.2	45.3	-0.1	7.0	-	41.2	43.0	-1.8
11:55 PM - 12:00 AM	45.0	46.1	-1.1	7.0	-	41.0	41.8	-0.8
12:00 AM - 12:05 AM	46.1	44.6	1.5	4.5	-	44.6	42.2	2.4
12:05 AM - 12:10 AM	43.7	43.3	0.4	7.0	-	39.7	41.0	-1.3
12:10 AM - 12:15 AM	44.8	44.1	0.7	7.0	-	40.8	41.0	-0.2
12:15 AM - 12:20 AM	44.3	42.0	2.3	4.5	-	42.8	41.1	1.7
12:20 AM - 12:25 AM	43.4	42.6	0.8	7.0	-	39.4	41.2	-1.8
12:25 AM - 12:30 AM	44.1	43.9	0.2	7.0	-	40.1	42.0	-1.9
12:30 AM - 12:35 AM	45.3	44.4	0.9	7.0	-	41.3	42.3	-1.0

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Analysis / Test Report



TESTING
No.0009

Client : Asia Industrial Estate Co., Ltd.

49 Soi Pipat (Silom 3) Asia Sermkij Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500

P/O : สัญญาจ้าง

Project Name : Project AIE (Suwanaphumi)

Project Location :

Lot ID: 2358316

Date Received : May 30, 2023

Date Reported : Jun 09, 2023

Report Number : 2678447-1

Page 2 of 3

Sample No. 2358316-7
Parameter เสียงรบกวน
Location N2 : โรงพยาบาลส่งเสริมสุขภาพผ่านคลองสวน (GPS 47P 0708266, 1510639)
Measurement Date May 26 - 27, 2023
Measurement by Autit Aoonsim
Sound Level Meter 00296512

ระดับเสียง (dB(A))							
เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีกิจกรรม	ผลต่างระดับเสียง	ตัวปรับค่า	ปรับค่าเสียงจากแหล่งกำเนิด		ค่าระดับการรบกวน
					กลางวัน (A1)	กลางคืน (A2)	
12:35 AM - 12:40 AM	45.9	46.5	-0.6	7.0	-	41.9	42.0
12:40 AM - 12:45 AM	45.9	42.9	3.0	3.0	-	45.9	41.2
12:45 AM - 12:50 AM	47.8	43.3	4.5	1.5	-	49.3	41.7
12:50 AM - 12:55 AM	49.5	43.4	6.1	1.5	-	51.0	42.1
12:55 AM - 01:00 AM	50.2	42.5	7.7	0.5	-	52.7	41.6
01:00 AM - 01:05 AM	49.6	44.2	5.4	1.5	-	51.1	42.5
01:05 AM - 01:10 AM	50.1	43.5	6.6	1.0	-	52.1	41.7
01:10 AM - 01:15 AM	47.6	50.1	-2.5	7.0	-	43.6	42.2
01:15 AM - 01:20 AM	48.8	44.1	4.7	1.5	-	50.3	40.4
01:20 AM - 01:25 AM	47.7	41.6	6.1	1.5	-	49.2	40.3
01:25 AM - 01:30 AM	49.0	43.4	5.6	1.5	-	50.5	41.5
01:30 AM - 01:35 AM	48.0	44.2	3.8	2.0	-	49.0	42.3
01:35 AM - 01:40 AM	47.0	45.4	1.6	4.5	-	45.5	42.9
01:40 AM - 01:45 AM	48.2	43.3	4.9	1.5	-	49.7	40.4
01:45 AM - 01:50 AM	47.9	41.6	6.3	1.5	-	49.4	39.8
01:50 AM - 01:55 AM	43.8	42.9	0.9	7.0	-	39.8	40.6
01:55 AM - 02:00 AM	43.7	41.5	2.2	4.5	-	42.2	40.7
02:00 AM - 02:05 AM	44.1	41.2	2.9	3.0	-	44.1	39.9
02:05 AM - 02:10 AM	47.0	41.6	5.4	1.5	-	48.5	39.1
02:10 AM - 02:15 AM	45.4	45.5	-0.1	7.0	-	41.4	39.9
02:15 AM - 02:20 AM	45.2	48.0	-2.8	7.0	-	41.2	39.7
02:20 AM - 02:25 AM	45.4	44.8	0.6	7.0	-	41.4	39.2
02:25 AM - 02:30 AM	45.4	43.4	2.0	4.5	-	43.9	39.3
02:30 AM - 02:35 AM	46.5	49.7	-3.2	7.0	-	42.5	41.4
02:35 AM - 02:40 AM	44.5	54.5	-10.0	7.0	-	40.5	41.5
02:40 AM - 02:45 AM	45.9	48.3	-2.4	7.0	-	41.9	43.4
02:45 AM - 02:50 AM	45.4	51.5	-6.1	7.0	-	41.4	46.5
02:50 AM - 02:55 AM	44.4	65.4	-21.0	7.0	-	40.4	44.4
02:55 AM - 03:00 AM	46.3	49.5	-3.2	7.0	-	42.3	44.5
03:00 AM - 03:05 AM	45.2	55.1	-9.9	7.0	-	41.2	48.8
03:05 AM - 03:10 AM	43.8	58.3	-14.5	7.0	-	39.8	45.4
03:10 AM - 03:15 AM	45.0	55.4	-10.4	7.0	-	41.0	44.7
03:15 AM - 03:20 AM	45.1	58.5	-13.4	7.0	-	41.1	50.4
03:20 AM - 03:25 AM	44.5	80.8	-36.3	7.0	-	40.5	59.2
03:25 AM - 03:30 AM	45.3	58.5	-13.2	7.0	-	41.3	51.6
03:30 AM - 03:35 AM	48.5	55.4	-6.9	7.0	-	44.5	46.9
03:35 AM - 03:40 AM	47.5	58.1	-10.6	7.0	-	43.5	43.9
03:40 AM - 03:45 AM	46.2	58.2	-12.0	7.0	-	42.2	43.5
03:45 AM - 03:50 AM	46.3	61.2	-14.9	7.0	-	42.3	44.3
03:50 AM - 03:55 AM	46.8	61.4	-14.6	7.0	-	42.8	43.3

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Analysis / Test Report



TESTING
No.0009

Client : Asia Industrial Estate Co., Ltd.

49 Soi Pipat (Silom 3) Asia Sermkij Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500

P/O : สัญญาจ้าง

Project Name : Project AIE (Suwanaphumi)

Project Location :

Lot ID: 2358316

Date Received : May 30, 2023

Date Reported : Jun 09, 2023

Report Number : 2678447-1

Page 3 of 3

Sample No. 2358316-7
Parameter เสียงรบกวน
Location N2 : โรงพยาบาลส่งเสริมสุขภาพผ่านคลองสวน (GPS 47P 0708266, 1510639)
Measurement Date May 26 - 27, 2023
Measurement by Autit Aoonsim
Sound Level Meter 00296512

ระดับเสียง (dB(A))							
เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีกิจกรรม	ผลต่างระดับเสียง	ตัวปรับค่า	ปรับค่าเสียงจากแหล่งกำเนิด		ค่าระดับการรบกวน
					กลางวัน (A1)	กลางคืน (A2)	
03:55 AM - 04:00 AM	49.7	58.4	-8.7	7.0	-	45.7	45.1
04:00 AM - 04:05 AM	46.8	55.3	-8.5	7.0	-	42.8	47.2
04:05 AM - 04:10 AM	49.3	57.8	-8.5	7.0	-	45.3	50.9
04:10 AM - 04:15 AM	49.6	59.0	-9.4	7.0	-	45.6	52.4
04:15 AM - 04:20 AM	50.3	57.3	-7.0	7.0	-	46.3	49.5
04:20 AM - 04:25 AM	49.7	56.7	-7.0	7.0	-	45.7	49.9
04:25 AM - 04:30 AM	50.5	56.6	-6.1	7.0	-	46.5	48.0
04:30 AM - 04:35 AM	49.4	53.7	-4.3	7.0	-	45.4	48.5
04:35 AM - 04:40 AM	50.2	53.6	-3.4	7.0	-	46.2	51.1
04:40 AM - 04:45 AM	49.8	52.5	-2.7	7.0	-	45.8	51.6
04:45 AM - 04:50 AM	51.6	53.1	-1.5	7.0	-	47.6	52.1
04:50 AM - 04:55 AM	52.9	52.7	0.2	7.0	-	48.9	48.7
04:55 AM - 05:00 AM	53.7	53.0	0.7	7.0	-	49.7	52.0
05:00 AM - 05:05 AM	52.6	52.6	0.0	7.0	-	48.6	51.8
05:05 AM - 05:10 AM	51.3	53.0	-1.7	7.0	-	47.3	49.7
05:10 AM - 05:15 AM	49.4	51.1	-1.7	7.0	-	45.4	49.6
05:15 AM - 05:20 AM	48.2	51.3	-3.1	7.0	-	44.2	49.2
05:20 AM - 05:25 AM	52.2	51.2	1.0	7.0	-	48.2	48.8
05:25 AM - 05:30 AM	60.9	52.4	8.5	0.5	-	63.4	49.9
05:30 AM - 05:35 AM	48.2	51.4	-3.2	7.0	-	44.2	47.8
05:35 AM - 05:40 AM	59.8	51.9	7.9	0.5	-	62.3	48.8
05:40 AM - 05:45 AM	79.7	52.7	27.0	0.0	-	82.7	49.9
05:45 AM - 05:50 AM	56.5	51.6	4.9	1.5	-	58.0	48.7
05:50 AM - 05:55 AM	66.5	52.7	13.8	0.0	-	69.5	48.1
05:55 AM - 06:00 AM	68.2	52.5	15.7	0.0	-	71.2	47.5
06:00 AM - 07:00 AM	66.4	51.5	14.9	0.0	66.4	-	47.6
07:00 AM - 08:00 AM	52.8	52.2	0.6	7.0	45.8	-	49.0
08:00 AM - 09:00 AM	53.7	51.8	1.9	4.5	49.2	-	47.6
09:00 AM - 10:00 AM	52.2	53.2	-1.0	7.0	45.2	-	45.3
10:00 AM - 11:00 AM	51.8	48.1	3.7	2.0	49.8	-	41.5
11:00 AM - 12:00 PM	52.1	45.4	6.7	1.0	51.1	-	41.3
12:00 PM - 01:00 PM	49.8	45.1	4.7	1.5	48.3	-	39.5

ค่ามาตรฐาน

Reference Method : Based on ISO 1996-1 and ISO 1996-2

มาตรฐาน

- ประกาศกระทรวงอุตสาหกรรม เรื่อง กำหนดค่าระดับเสียงการรบกวนและระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548
- ประกาศกระทรวงอุตสาหกรรม เรื่อง วิธีการตรวจวัดระดับเสียงรบกวน ระดับเสียงเฉลี่ย 24 ชั่วโมง และระดับเสียงสูงสุดที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2553
- ประกาศกระทรวงสาธารณสุข เรื่อง กำหนดค่ามาตรฐานระดับเสียงรบกวนที่เกิดจากการประกอบกิจการที่เป็นอันตรายต่อสุขภาพ พ.ศ. 2561

ระดับเสียงจากแหล่งกำเนิด ท้าการตรวจวัด วันที่ 26-27 พฤษภาคม 2566

ระดับเสียงพื้นฐานและระดับเสียงขณะไม่มีกิจกรรม (Sample No.2358336-15 วันที่ตรวจวัด 26-27 พฤษภาคม 2566)

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Analysis / Test Report



TESTING
No.0009

Client : Asia Industrial Estate Co., Ltd.

49 Soi Pipat (Silom 3) Asia Sermkij Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500

P/O : สัตยาจำ

Project Name : Project AIE (Suwanaphumi)

Project Location :

Lot ID: 2358316

Date Received : May 30, 2023

Date Reported : Jun 09, 2023

Report Number : 2678448-1

Page 1 of 3

Sample No. 2358316-8
Parameter เสียงรบกวน
Location N2 : โรงพยาบาลส่งเสริมสุขภาพตำบลคลองสวน (GPS 47P 0708266, 1510639)
Measurement Date May 27 - 28, 2023
Measurement by Autit Aoonsim
Sound Level Meter 00296512

เวลา	ระดับเสียง (dB(A))								ค่าระดับ การรบกวน
	เสียงจาก แหล่งกำเนิด	เสียงขณะ ไม่มีการรบกวน	ผลต่าง ระดับเสียง	ตัวปรับค่า	ปรับค่าเสียงจากแหล่งกำเนิด		เสียงพื้นฐาน		
					กลางวัน (A-C)	กลางคืน (A-C+1)			
01:00 PM - 02:00 PM	46.9	49.7	-2.8	7.0	39.9	-	42.6	-2.7	
02:00 PM - 03:00 PM	46.6	45.7	0.9	7.0	39.6	-	40.1	-0.5	
03:00 PM - 04:00 PM	47.2	46.6	0.6	7.0	40.2	-	39.9	0.3	
04:00 PM - 05:00 PM	46.8	47.2	-0.4	7.0	39.8	-	42.0	-2.2	
05:00 PM - 06:00 PM	45.3	47.3	-2.0	7.0	38.3	-	41.3	-3.0	
06:00 PM - 07:00 PM	48.0	50.8	-2.8	7.0	41.0	-	42.3	-1.3	
07:00 PM - 08:00 PM	47.6	51.3	-3.7	7.0	40.6	-	49.6	-9.0	
08:00 PM - 09:00 PM	51.9	51.7	0.2	7.0	44.9	-	50.4	-5.5	
09:00 PM - 10:00 PM	48.9	50.5	-1.6	7.0	41.9	-	49.0	-7.1	
10:00 PM - 10:05 PM	45.3	48.0	-2.7	7.0	-	41.3	47.3	-6.0	
10:05 PM - 10:10 PM	46.7	54.6	-7.9	7.0	-	42.7	47.8	-5.1	
10:10 PM - 10:15 PM	46.4	52.1	-5.7	7.0	-	42.4	47.1	-4.7	
10:15 PM - 10:20 PM	47.3	47.9	-0.6	7.0	-	43.3	46.9	-3.6	
10:20 PM - 10:25 PM	47.2	46.9	0.3	7.0	-	43.2	46.0	-2.8	
10:25 PM - 10:30 PM	48.2	47.5	0.7	7.0	-	44.2	46.5	-2.3	
10:30 PM - 10:35 PM	47.3	48.2	-0.9	7.0	-	43.3	47.1	-3.8	
10:35 PM - 10:40 PM	47.7	48.2	-0.5	7.0	-	43.7	47.5	-3.8	
10:40 PM - 10:45 PM	47.4	48.3	-0.9	7.0	-	43.4	47.5	-4.1	
10:45 PM - 10:50 PM	48.2	48.0	0.2	7.0	-	44.2	47.0	-2.8	
10:50 PM - 10:55 PM	48.9	47.5	1.4	7.0	-	44.9	46.5	-1.6	
10:55 PM - 11:00 PM	51.4	47.7	3.7	2.0	-	52.4	46.4	-6.0	
11:00 PM - 11:05 PM	49.1	46.9	2.2	4.5	-	47.6	45.6	2.0	
11:05 PM - 11:10 PM	47.2	47.2	0.0	7.0	-	43.2	46.1	-2.9	
11:10 PM - 11:15 PM	46.4	47.5	-1.1	7.0	-	42.4	45.8	-3.4	
11:15 PM - 11:20 PM	45.9	47.6	-1.7	7.0	-	41.9	45.4	-3.5	
11:20 PM - 11:25 PM	46.1	48.0	-1.9	7.0	-	42.1	45.1	-3.0	
11:25 PM - 11:30 PM	46.5	46.6	-0.1	7.0	-	42.5	44.9	-2.4	
11:30 PM - 11:35 PM	46.4	52.0	-5.6	7.0	-	42.4	47.0	-4.6	
11:35 PM - 11:40 PM	46.2	56.7	-10.5	7.0	-	42.2	54.8	-12.6	
11:40 PM - 11:45 PM	45.7	54.9	-9.2	7.0	-	41.7	52.0	-10.3	
11:45 PM - 11:50 PM	46.4	50.9	-4.5	7.0	-	42.4	48.1	-5.7	
11:50 PM - 11:55 PM	46.0	47.3	-1.3	7.0	-	42.0	46.1	-4.1	
11:55 PM - 12:00 AM	46.1	46.6	-0.5	7.0	-	42.1	45.8	-3.7	
12:00 AM - 12:05 AM	44.3	45.8	-1.5	7.0	-	40.3	45.2	-4.9	
12:05 AM - 12:10 AM	44.2	47.5	-3.3	7.0	-	40.2	45.5	-5.3	
12:10 AM - 12:15 AM	52.8	47.1	5.7	1.5	-	54.3	46.4	-7.9	
12:15 AM - 12:20 AM	46.0	49.7	-3.7	7.0	-	42.0	47.1	-5.1	
12:20 AM - 12:25 AM	63.3	50.6	12.7	0.0	-	66.3	47.6	-18.7	
12:25 AM - 12:30 AM	57.4	50.3	7.1	1.0	-	59.4	47.9	-11.5	
12:30 AM - 12:35 AM	49.6	51.8	-2.2	7.0	-	45.6	48.6	-3.0	

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Analysis / Test Report



TESTING
No.0009

Client : Asia Industrial Estate Co., Ltd.

49 Soi Pipat (Silom 3) Asia Sermkij Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500

P/O : สัตยาจำ

Project Name : Project AIE (Suwanaphumi)

Project Location :

Lot ID: 2358316

Date Received : May 30, 2023

Date Reported : Jun 09, 2023

Report Number : 2678448-1

Page 2 of 3

Sample No. 2358316-8
Parameter เสียงรบกวน
Location N2 : โรงพยาบาลส่งเสริมสุขภาพตำบลคลองสวน (GPS 47P 0708266, 1510639)
Measurement Date May 27 - 28, 2023
Measurement by Autit Aoonsim
Sound Level Meter 00296512

เวลา	ระดับเสียง (dB(A))								ค่าระดับการรบกวน
	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	ผลต่างระดับเสียง	ตัวปรับค่า	ปรับค่าเสียงจากแหล่งกำเนิด		เสียงพื้นฐาน		
					กลางวัน (A-C)	กลางคืน (A-C+)			
12:35 AM - 12:40 AM	46.6	50.9	-4.3	7.0	-	42.6	49.0	-6.4	
12:40 AM - 12:45 AM	46.2	51.4	-5.2	7.0	-	42.2	50.4	-8.2	
12:45 AM - 12:50 AM	46.3	51.4	-5.1	7.0	-	42.3	50.6	-8.3	
12:50 AM - 12:55 AM	44.4	49.9	-5.5	7.0	-	40.4	49.1	-8.7	
12:55 AM - 01:00 AM	43.9	50.1	-6.2	7.0	-	39.9	49.4	-9.5	
01:00 AM - 01:05 AM	45.2	50.4	-5.2	7.0	-	41.2	49.6	-8.4	
01:05 AM - 01:10 AM	48.7	50.0	-1.3	7.0	-	44.7	49.3	-4.6	
01:10 AM - 01:15 AM	48.2	49.9	-1.7	7.0	-	44.2	49.2	-5.0	
01:15 AM - 01:20 AM	46.0	49.9	-3.9	7.0	-	42.0	49.4	-7.4	
01:20 AM - 01:25 AM	46.1	50.2	-4.1	7.0	-	42.1	49.4	-7.3	
01:25 AM - 01:30 AM	51.6	50.2	1.4	7.0	-	47.6	49.5	-1.9	
01:30 AM - 01:35 AM	49.8	51.5	-1.7	7.0	-	45.8	50.6	-4.8	
01:35 AM - 01:40 AM	47.3	51.8	-4.5	7.0	-	43.3	50.8	-7.5	
01:40 AM - 01:45 AM	47.4	51.2	-3.8	7.0	-	43.4	50.7	-7.3	
01:45 AM - 01:50 AM	48.3	51.0	-2.7	7.0	-	44.3	50.5	-6.2	
01:50 AM - 01:55 AM	48.2	51.1	-2.9	7.0	-	44.2	50.6	-6.4	
01:55 AM - 02:00 AM	48.8	51.6	-2.8	7.0	-	44.8	51.0	-6.2	
02:00 AM - 02:05 AM	63.3	51.9	11.4	0.5	-	65.8	51.2	-14.6	
02:05 AM - 02:10 AM	60.3	52.3	8.0	0.5	-	62.8	51.3	-11.5	
02:10 AM - 02:15 AM	59.2	51.9	7.3	1.0	-	61.2	51.1	-10.1	
02:15 AM - 02:20 AM	68.3	51.3	17.0	0.0	-	71.3	50.4	-20.9	
02:20 AM - 02:25 AM	64.8	51.5	13.3	0.0	-	67.8	50.8	-17.0	
02:25 AM - 02:30 AM	57.2	51.8	5.4	1.5	-	58.7	50.6	-8.1	
02:30 AM - 02:35 AM	54.1	51.4	2.7	3.0	-	54.1	50.4	3.7	
02:35 AM - 02:40 AM	51.5	53.5	-2.0	7.0	-	47.5	50.3	-2.8	
02:40 AM - 02:45 AM	48.1	55.1	-7.0	7.0	-	44.1	49.1	-5.0	
02:45 AM - 02:50 AM	45.9	52.3	-6.4	7.0	-	41.9	49.1	-7.2	
02:50 AM - 02:55 AM	45.2	52.5	-7.3	7.0	-	41.2	49.6	-8.4	
02:55 AM - 03:00 AM	45.3	57.0	-11.7	7.0	-	41.3	51.4	-10.1	
03:00 AM - 03:05 AM	45.7	62.4	-16.7	7.0	-	41.7	55.8	-14.1	
03:05 AM - 03:10 AM	47.0	63.1	-16.1	7.0	-	43.0	54.7	-11.7	
03:10 AM - 03:15 AM	45.4	59.7	-14.3	7.0	-	41.4	53.1	-11.7	
03:15 AM - 03:20 AM	45.0	58.9	-13.9	7.0	-	41.0	51.9	-10.9	
03:20 AM - 03:25 AM	45.0	64.7	-19.7	7.0	-	41.0	51.0	-10.0	
03:25 AM - 03:30 AM	44.9	60.1	-15.2	7.0	-	40.9	50.9	-10.0	
03:30 AM - 03:35 AM	45.6	58.5	-12.9	7.0	-	41.6	50.3	-8.7	
03:35 AM - 03:40 AM	44.5	56.3	-11.8	7.0	-	40.5	50.2	-9.7	
03:40 AM - 03:45 AM	44.6	54.6	-10.0	7.0	-	40.6	48.4	-7.8	
03:45 AM - 03:50 AM	45.3	51.9	-6.6	7.0	-	41.3	47.0	-5.7	
03:50 AM - 03:55 AM	45.2	53.3	-8.1	7.0	-	41.2	48.3	-7.1	

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Analysis / Test Report



TESTING
No.0009

Client : Asia Industrial Estate Co., Ltd.

49 Soi Pipat (Silom 3) Asia Sermkij Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500

P/O : สัญญาจ้าง

Project Name : Project AIE (Suwanaphumi)

Project Location :

Lot ID: 2358316

Date Received : May 30, 2023

Date Reported : Jun 09, 2023

Report Number : 2678448-1

Page 3 of 3

Sample No. 2358316-8
Parameter เสียงรบกวน
Location N2 : โรงพยาบาลส่งเสริมสุขภาพตามคลองสวน (GPS 47P 0708266, 1510639)
Measurement Date May 27 - 28, 2023
Measurement by Audit Aconsim
Sound Level Meter 00296512

เวลา	ระดับเสียง (dB(A))				ปรับค่าเสียงจากแหล่งกำเนิด		เสียงพื้นฐาน	ค่าระดับการรบกวน
	(A)	(B)	(C)	(D)	(A+C)	(A+C)+3		
เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีกิจกรรม	ผลต่างระดับเสียง	ตัวปรับค่า	ปรับค่าเสียงจากแหล่งกำเนิด	เสียงพื้นฐาน	ค่าระดับการรบกวน		
03:55 AM - 04:00 AM	45.0	51.1	-6.1	7.0	-	41.0	49.3	-8.3
04:00 AM - 04:05 AM	48.9	53.0	-4.1	7.0	-	44.9	50.3	-5.4
04:05 AM - 04:10 AM	51.1	56.0	-4.9	7.0	-	47.1	52.6	-5.5
04:10 AM - 04:15 AM	47.6	58.8	-11.2	7.0	-	43.6	52.4	-8.8
04:15 AM - 04:20 AM	46.7	53.9	-7.2	7.0	-	42.7	52.4	-9.7
04:20 AM - 04:25 AM	45.8	55.0	-9.2	7.0	-	41.8	53.6	-11.8
04:25 AM - 04:30 AM	50.8	54.7	-3.9	7.0	-	46.8	53.1	-6.3
04:30 AM - 04:35 AM	51.7	55.1	-3.4	7.0	-	47.7	53.9	-6.2
04:35 AM - 04:40 AM	51.6	56.2	-4.6	7.0	-	47.6	55.1	-7.5
04:40 AM - 04:45 AM	51.3	56.6	-5.3	7.0	-	47.3	53.4	-6.1
04:45 AM - 04:50 AM	51.1	56.6	-5.5	7.0	-	47.1	55.5	-8.4
04:50 AM - 04:55 AM	50.7	57.2	-6.5	7.0	-	46.7	56.7	-10.0
04:55 AM - 05:00 AM	50.9	57.1	-6.2	7.0	-	46.9	56.6	-9.7
05:00 AM - 05:05 AM	45.3	57.4	-12.1	7.0	-	41.3	56.8	-15.5
05:05 AM - 05:10 AM	44.6	57.6	-13.0	7.0	-	40.6	56.8	-16.2
05:10 AM - 05:15 AM	45.0	57.2	-12.2	7.0	-	41.0	56.6	-15.6
05:15 AM - 05:20 AM	45.4	55.4	-10.0	7.0	-	41.4	53.8	-12.4
05:20 AM - 05:25 AM	46.4	55.0	-8.6	7.0	-	42.4	53.0	-10.6
05:25 AM - 05:30 AM	48.9	55.6	-6.7	7.0	-	44.9	52.6	-7.7
05:30 AM - 05:35 AM	49.6	54.3	-4.7	7.0	-	45.6	51.2	-5.6
05:35 AM - 05:40 AM	46.6	52.1	-5.5	7.0	-	42.6	50.2	-7.6
05:40 AM - 05:45 AM	47.1	54.4	-7.3	7.0	-	43.1	48.1	-5.0
05:45 AM - 05:50 AM	49.9	50.3	-0.4	7.0	-	45.9	47.1	-1.2
05:50 AM - 05:55 AM	54.8	49.9	4.9	1.5	-	56.3	47.1	9.2
05:55 AM - 06:00 AM	57.1	50.2	6.9	1.0	-	59.1	47.0	12.1
06:00 AM - 07:00 AM	54.0	49.7	4.3	2.0	52.0	-	46.1	5.9
07:00 AM - 08:00 AM	54.9	50.6	4.3	2.0	52.9	-	46.5	6.4
08:00 AM - 09:00 AM	55.7	49.5	6.2	1.5	54.2	-	44.9	9.3
09:00 AM - 10:00 AM	52.0	50.7	1.3	7.0	45.0	-	43.4	1.6
10:00 AM - 11:00 AM	53.1	52.6	0.5	7.0	46.1	-	43.4	2.7
11:00 AM - 12:00 PM	51.1	49.7	1.4	7.0	44.1	-	42.0	2.1
12:00 PM - 01:00 PM	50.5	44.5	6.0	1.5	49.0	-	38.9	10.1
ค่ามาตรฐาน								≤ 10

Reference Method : Based on ISO 1996-1 and ISO 1996-2

มาตรฐาน

- ประกาศกระทรวงอุตสาหกรรม เรื่อง กำหนดค่าระดับเสียงการรบกวนและระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548
- ประกาศกรมโรงงานอุตสาหกรรม เรื่อง วิธีการตรวจวัดระดับเสียงรบกวน ระดับเสียงเฉลี่ย 24 ชั่วโมง และระดับเสียงสูงสุดที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2553
- ประกาศกระทรวงสาธารณสุข เรื่อง กำหนดค่ามาตรฐานมลพิษทางเสียงอันเกิดจากการประกอบกิจการที่เป็นอันตรายต่อสุขภาพ พ.ศ. 2561

ระดับเสียงพื้นฐานและระดับเสียงขณะไม่มีกิจกรรม (Sample No.2358336-16 วันที่ตรวจวัด 27-28 พฤษภาคม 2566)

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Analysis / Test Report



TESTING
No.0009

Client : Asia Industrial Estate Co., Ltd.

49 Soi Pipat (Silom 3) Asia Sermkij Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500

P/O : สัญญาจ้าง

Project Name : Project AIE (Suwanaphumi)

Project Location :

Lot ID: 2358316

Date Received : May 30, 2023

Date Reported : Jun 09, 2023

Report Number : 2678449-1

Page 1 of 3

Sample No. 2358316-9
Parameter เสียงรบกวน
Location N3 : โรงเรียนธรรมศาสตร์วิทยานิเทศน์ (GPS 47P 0706086, 1507301)
Measurement Date May 24 - 25, 2023
Measurement by Audit Aconsim
Sound Level Meter 00296513

เวลา	ระดับเสียง (dB(A))				ปรับค่าเสียงจากแหล่งกำเนิด		เสียงพื้นฐาน	ค่าระดับการรบกวน
	(A)	(B)	(C)	(D)	(A+C)	(A+C)+3		
เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีกิจกรรม	ผลต่างระดับเสียง	ตัวปรับค่า	ปรับค่าเสียงจากแหล่งกำเนิด	เสียงพื้นฐาน	ค่าระดับการรบกวน		
01:00 PM - 02:00 PM	57.5	45.1	12.4	0.5	57.0	-	39.8	17.2
02:00 PM - 03:00 PM	58.4	46.1	12.3	0.5	57.9	-	40.7	17.2
03:00 PM - 04:00 PM	49.2	46.4	2.8	3.0	46.2	-	41.5	4.7
04:00 PM - 05:00 PM	51.5	46.5	5.0	1.5	50.0	-	42.4	7.6
05:00 PM - 06:00 PM	54.6	52.1	2.5	3.0	51.6	-	42.4	9.2
06:00 PM - 07:00 PM	50.3	48.6	1.7	4.5	45.8	-	41.3	4.5
07:00 PM - 08:00 PM	46.5	45.9	0.6	7.0	39.5	-	41.1	-1.6
08:00 PM - 09:00 PM	46.5	44.8	1.7	4.5	42.0	-	43.6	-1.6
09:00 PM - 10:00 PM	46.7	47.2	-0.5	7.0	39.7	-	45.4	-5.7
10:00 PM - 10:05 PM	47.0	46.7	0.3	7.0	-	43.0	45.8	-2.8
10:05 PM - 10:10 PM	47.1	46.8	0.3	7.0	-	43.1	46.0	-2.9
10:10 PM - 10:15 PM	47.0	47.2	-0.2	7.0	-	43.0	46.1	-3.1
10:15 PM - 10:20 PM	47.6	47.7	-0.1	7.0	-	43.6	46.9	-3.3
10:20 PM - 10:25 PM	47.8	47.3	0.5	7.0	-	43.8	46.6	-2.8
10:25 PM - 10:30 PM	47.7	47.8	-0.1	7.0	-	43.7	46.9	-3.2
10:30 PM - 10:35 PM	47.7	47.9	-0.2	7.0	-	43.7	47.2	-3.5
10:35 PM - 10:40 PM	47.3	47.9	-0.6	7.0	-	43.3	47.2	-3.9
10:40 PM - 10:45 PM	47.0	47.5	-0.5	7.0	-	43.0	46.7	-3.7
10:45 PM - 10:50 PM	47.1	47.0	0.1	7.0	-	43.1	45.9	-2.8
10:50 PM - 10:55 PM	46.8	47.5	-0.7	7.0	-	42.8	46.5	-3.7
10:55 PM - 11:00 PM	46.0	48.2	-2.2	7.0	-	42.0	47.4	-5.4
11:00 PM - 11:05 PM	46.5	48.2	-1.7	7.0	-	42.5	47.4	-4.9
11:05 PM - 11:10 PM	46.5	47.7	-1.2	7.0	-	42.5	46.9	-4.4
11:10 PM - 11:15 PM	48.4	48.5	-0.1	7.0	-	44.4	47.6	-3.2
11:15 PM - 11:20 PM	48.4	49.5	-1.1	7.0	-	44.4	48.1	-3.7
11:20 PM - 11:25 PM	48.5	48.9	-0.4	7.0	-	44.5	48.1	-3.6
11:25 PM - 11:30 PM	48.8	50.2	-1.4	7.0	-	44.8	48.0	-3.2
11:30 PM - 11:35 PM	48.3	48.3	0.0	7.0	-	44.3	47.5	-3.2
11:35 PM - 11:40 PM	48.0	49.3	-1.3	7.0	-	44.0	47.9	-3.9
11:40 PM - 11:45 PM	48.2	48.1	0.1	7.0	-	44.2	47.2	-3.0
11:45 PM - 11:50 PM	49.3	48.0	1.3	7.0	-	45.3	47.2	-1.9
11:50 PM - 11:55 PM	49.5	48.4	1.1	7.0	-	45.5	47.3	-1.8
11:55 PM - 12:00 AM	49.8	49.3	0.5	7.0	-	45.8	47.5	-1.7
12:00 AM - 12:05 AM	51.0	49.9	1.1	7.0	-	47.0	48.2	-1.2
12:05 AM - 12:10 AM	50.0	50.4	-0.4	7.0	-	46.0	48.1	-2.1
12:10 AM - 12:15 AM	50.5	47.6	2.9	3.0	-	50.5	46.8	3.7
12:15 AM - 12:20 AM	51.9	48.3	3.6	2.0	-	52.9	47.2	5.7
12:20 AM - 12:25 AM	51.9	47.5	4.4	2.0	-	52.9	46.8	6.1
12:25 AM - 12:30 AM	52.0	47.5	4.5	1.5	-	53.5	46.8	6.7
12:30 AM - 12:35 AM	52.1	47.5	4.6	1.5	-	53.6	46.8	6.8

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Analysis / Test Report



TESTING
No.0009

Client : Asia Industrial Estate Co., Ltd.

49 Soi Pipat (Silom 3) Asia Sermkij Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500

P/O : สัญญาจ้าง

Project Name : Project AIE (Suwanaphumi)

Project Location :

Lot ID: 2358316

Date Received : May 30, 2023

Date Reported : Jun 09, 2023

Report Number : 2678449-1

Page 2 of 3

Sample No. 2358316-9
Parameter เสียงรบกวน
Location N3 : โรงเรียนธรรมศาสตร์วิทยพัฒน์ (GPS 47P 0706086, 1507301)
Measurement Date May 24 - 25, 2023
Measurement by Autit Aoonsim
Sound Level Meter 00296513

ระดับเสียง (dB(A))							
เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีกิจกรรม	ผลต่างระดับเสียง	ตัวปรับค่า	ปรับค่าเสียงจากแหล่งกำเนิด		ค่าระดับการรบกวน
					กลางวัน (A/C)	กลางคืน (A/C+1)	
12:35 AM - 12:40 AM	51.4	47.9	3.5	2.0	-	52.4	47.0
12:40 AM - 12:45 AM	52.1	49.4	2.7	3.0	-	52.1	46.7
12:45 AM - 12:50 AM	52.5	54.1	-1.6	7.0	-	48.5	47.3
12:50 AM - 12:55 AM	52.0	47.6	4.4	2.0	-	53.0	45.7
12:55 AM - 01:00 AM	52.8	46.9	5.9	1.5	-	54.3	44.9
01:00 AM - 01:05 AM	52.3	48.1	4.2	2.0	-	53.3	44.6
01:05 AM - 01:10 AM	52.8	49.5	3.3	3.0	-	52.8	44.0
01:10 AM - 01:15 AM	53.9	50.4	3.5	2.0	-	54.9	43.8
01:15 AM - 01:20 AM	54.3	48.1	6.2	1.5	-	55.8	43.5
01:20 AM - 01:25 AM	52.5	47.8	4.7	1.5	-	54.0	43.9
01:25 AM - 01:30 AM	52.0	59.3	-7.3	7.0	-	48.0	44.2
01:30 AM - 01:35 AM	51.9	50.0	1.9	4.5	-	50.4	43.7
01:35 AM - 01:40 AM	51.6	58.1	-6.5	7.0	-	47.6	44.3
01:40 AM - 01:45 AM	51.6	58.9	-7.3	7.0	-	47.6	45.6
01:45 AM - 01:50 AM	51.3	46.7	4.6	1.5	-	52.8	40.4
01:50 AM - 01:55 AM	51.7	54.6	-2.9	7.0	-	47.7	40.1
01:55 AM - 02:00 AM	50.0	54.0	-4.0	7.0	-	46.0	45.6
02:00 AM - 02:05 AM	49.8	54.7	-4.9	7.0	-	45.8	48.1
02:05 AM - 02:10 AM	50.6	48.3	2.3	4.5	-	49.1	43.2
02:10 AM - 02:15 AM	49.9	47.7	2.2	4.5	-	48.4	40.7
02:15 AM - 02:20 AM	49.4	44.9	4.5	1.5	-	50.9	40.4
02:20 AM - 02:25 AM	50.6	46.3	4.3	2.0	-	51.6	41.6
02:25 AM - 02:30 AM	51.7	44.9	6.8	1.0	-	53.7	39.5
02:30 AM - 02:35 AM	49.6	44.1	5.5	1.5	-	51.1	39.9
02:35 AM - 02:40 AM	49.8	45.7	4.1	2.0	-	50.8	41.3
02:40 AM - 02:45 AM	50.9	47.1	3.8	2.0	-	51.9	43.8
02:45 AM - 02:50 AM	51.5	46.4	5.1	1.5	-	53.0	44.3
02:50 AM - 02:55 AM	51.8	48.3	3.5	2.0	-	52.8	44.6
02:55 AM - 03:00 AM	49.7	45.4	4.3	2.0	-	50.7	44.6
03:00 AM - 03:05 AM	51.5	44.1	7.4	1.0	-	53.5	39.7
03:05 AM - 03:10 AM	50.4	47.2	3.2	3.0	-	50.4	40.2
03:10 AM - 03:15 AM	51.1	48.6	2.5	3.0	-	51.1	45.7
03:15 AM - 03:20 AM	50.6	49.3	1.3	7.0	-	46.6	45.5
03:20 AM - 03:25 AM	50.0	46.2	3.8	2.0	-	51.0	45.4
03:25 AM - 03:30 AM	51.9	46.8	5.1	1.5	-	53.4	45.9
03:30 AM - 03:35 AM	65.7	46.1	19.6	0.0	-	68.7	45.4
03:35 AM - 03:40 AM	66.7	46.7	20.0	0.0	-	69.7	45.9
03:40 AM - 03:45 AM	65.6	47.1	18.5	0.0	-	68.6	45.9
03:45 AM - 03:50 AM	65.7	44.4	21.3	0.0	-	68.7	43.1
03:50 AM - 03:55 AM	60.1	45.8	14.3	0.0	-	63.1	43.0

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Analysis / Test Report



TESTING
No.0009

Client : Asia Industrial Estate Co., Ltd.

49 Soi Pipat (Silom 3) Asia Sermkij Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500

P/O : สัญญาจ้าง

Project Name : Project AIE (Suwanaphumi)

Project Location :

Lot ID: 2358316

Date Received : May 30, 2023

Date Reported : Jun 09, 2023

Report Number : 2678449-1

Page 3 of 3

Sample No. 2358316-9
Parameter เสียงรบกวน
Location N3 : โรงเรียนธรรมศาสตร์วิทยพัฒน์ (GPS 47P 0706086, 1507301)
Measurement Date May 24 - 25, 2023
Measurement by Autit Aoonsim
Sound Level Meter 00296513

ระดับเสียง (dB(A))							
เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีกิจกรรม	ผลต่างระดับเสียง	ตัวปรับค่า	ปรับค่าเสียงจากแหล่งกำเนิด		ค่าระดับการรบกวน
					กลางวัน (A/C)	กลางคืน (A/C+1)	
03:55 AM - 04:00 AM	62.0	44.0	18.0	0.0	-	65.0	43.3
04:00 AM - 04:05 AM	64.7	43.5	21.2	0.0	-	67.7	43.0
04:05 AM - 04:10 AM	62.7	46.7	16.0	0.0	-	65.7	43.7
04:10 AM - 04:15 AM	59.7	45.6	14.1	0.0	-	62.7	43.5
04:15 AM - 04:20 AM	58.5	48.9	9.6	0.5	-	61.0	43.4
04:20 AM - 04:25 AM	59.8	43.8	16.0	0.0	-	62.8	42.8
04:25 AM - 04:30 AM	58.1	46.5	11.6	0.5	-	60.6	43.0
04:30 AM - 04:35 AM	55.0	45.6	9.4	0.5	-	57.5	44.4
04:35 AM - 04:40 AM	53.9	46.2	7.7	0.5	-	56.4	44.4
04:40 AM - 04:45 AM	52.5	46.1	6.4	1.5	-	54.0	44.8
04:45 AM - 04:50 AM	51.3	46.9	4.4	2.0	-	52.3	45.7
04:50 AM - 04:55 AM	50.7	48.2	2.5	3.0	-	50.7	45.6
04:55 AM - 05:00 AM	51.7	48.3	3.4	3.0	-	51.7	46.0
05:00 AM - 05:05 AM	50.5	47.8	2.7	3.0	-	50.5	46.5
05:05 AM - 05:10 AM	50.4	46.8	3.6	2.0	-	51.4	46.1
05:10 AM - 05:15 AM	51.5	47.5	4.0	2.0	-	52.5	45.9
05:15 AM - 05:20 AM	51.8	48.9	2.9	3.0	-	51.8	46.5
05:20 AM - 05:25 AM	51.4	53.8	-2.4	7.0	-	47.4	48.4
05:25 AM - 05:30 AM	51.2	51.5	-0.3	7.0	-	47.2	47.5
05:30 AM - 05:35 AM	50.9	53.1	-2.2	7.0	-	46.9	48.2
05:35 AM - 05:40 AM	50.7	62.4	-11.7	7.0	-	46.7	48.8
05:40 AM - 05:45 AM	50.2	50.3	-0.1	7.0	-	46.2	47.3
05:45 AM - 05:50 AM	51.0	54.3	-3.3	7.0	-	47.0	46.5
05:50 AM - 05:55 AM	51.6	50.3	1.3	7.0	-	47.6	47.3
05:55 AM - 06:00 AM	51.4	49.3	2.1	4.5	-	49.9	45.5
06:00 AM - 07:00 AM	52.8	50.6	2.2	4.5	48.3	-	46.5
07:00 AM - 08:00 AM	53.1	52.6	0.5	7.0	46.1	-	47.7
08:00 AM - 09:00 AM	51.4	52.0	-0.6	7.0	44.4	-	45.2
09:00 AM - 10:00 AM	59.1	47.7	11.4	0.5	58.6	-	41.5
10:00 AM - 11:00 AM	55.9	49.4	6.5	1.0	54.9	-	45.7
11:00 AM - 12:00 PM	50.6	47.0	3.6	2.0	48.6	-	41.2
12:00 PM - 01:00 PM	48.5	47.7	0.8	7.0	41.5	-	41.5

ค่ามาตรฐาน

≤ 10

Reference Method : Based on ISO 1996-1 and ISO 1996-2

มาตรฐาน

- ประกาศกระทรวงอุตสาหกรรม เรื่อง กำหนดค่าระดับเสียงการรบกวนและระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548
- ประกาศกรมโรงงานอุตสาหกรรม เรื่อง วิธีการตรวจวัดระดับเสียงรบกวน ระดับเสียงเฉลี่ย 24 ชั่วโมง และระดับเสียงสูงสุดที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2553
- ประกาศกระทรวงสาธารณสุข เรื่อง กำหนดค่ามาตรฐานระดับเสียงรบกวนที่เกิดจากการประกอบกิจการที่เป็นอันตรายต่อสุขภาพ พ.ศ. 2561

ระดับเสียงจากแหล่งกำเนิด ท้าการตรวจวัด วันที่ 24-25 พฤษภาคม 2566

ระดับเสียงพื้นฐานและระดับเสียงขณะไม่มีกิจกรรม (Sample No.2358336-13 วันที่ตรวจวัด 24-25 พฤษภาคม 2566)

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



TESTING
No.0009

Client : Asia Industrial Estate Co., Ltd.

49 Soi Pipat (Silom 3) Asia Sermkij Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500

P/O : สัตยาจำ

Project Name : Project AIE (Suwanaphumi)

Project Location :

Lot ID: 2358316

Date Received : May 30, 2023

Date Reported : Jun 09, 2023

Report Number : 2678450-1

Page 1 of 3

Sample No. 2358316-10
Parameter เสียงรบกวน
Location N3 : โรงเรียนธรรมศรีสุวรรณดิษฐ์ (GPS 47P 0706086, 1507301)
Measurement Date May 25 - 26, 2023
Measurement by Autit Aoonsim
Sound Level Meter 00296513

เวลา	ระดับเสียง (dB(A))						
	(A)	(B)	(A-B)	(C)	(B)		(D)
	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีกิจกรรม	ผลต่างระดับเสียง	ตัวปรับค่า	ปรับค่าเสียงจากแหล่งกำเนิด	เสียงพื้นฐาน	
					กลางวัน (A-C)	กลางคืน (A-C)	การรบกวน
01:00 PM - 02:00 PM	55.6	48.9	6.7	1.0	54.6	-	42.4
02:00 PM - 03:00 PM	61.1	46.9	14.2	0.0	61.1	-	42.2
03:00 PM - 04:00 PM	52.8	48.3	4.5	1.5	51.3	-	42.9
04:00 PM - 05:00 PM	56.3	47.8	8.5	0.5	55.8	-	42.9
05:00 PM - 06:00 PM	51.0	48.8	2.2	4.5	46.5	-	43.0
06:00 PM - 07:00 PM	54.5	53.5	1.0	7.0	47.5	-	42.5
07:00 PM - 08:00 PM	50.0	46.1	3.9	2.0	48.0	-	43.6
08:00 PM - 09:00 PM	51.0	48.8	2.2	4.5	46.5	-	48.0
09:00 PM - 10:00 PM	50.0	48.1	1.9	4.5	45.5	-	47.0
10:00 PM - 10:05 PM	52.9	47.8	5.1	1.5	-	54.4	47.2
10:05 PM - 10:10 PM	52.0	48.1	3.9	2.0	-	53.0	47.3
10:10 PM - 10:15 PM	50.7	48.3	2.4	4.5	-	49.2	47.6
10:15 PM - 10:20 PM	49.8	51.1	-1.3	7.0	-	45.8	47.5
10:20 PM - 10:25 PM	49.1	48.3	0.8	7.0	-	45.1	47.5
10:25 PM - 10:30 PM	49.1	48.3	0.8	7.0	-	45.1	47.1
10:30 PM - 10:35 PM	49.5	48.2	1.3	7.0	-	45.5	47.1
10:35 PM - 10:40 PM	49.9	48.1	1.8	4.5	-	48.4	47.4
10:40 PM - 10:45 PM	50.4	49.6	0.8	7.0	-	46.4	46.7
10:45 PM - 10:50 PM	51.1	47.9	3.2	3.0	-	51.1	47.1
10:50 PM - 10:55 PM	49.7	48.3	1.4	7.0	-	45.7	47.3
10:55 PM - 11:00 PM	50.7	49.6	1.1	7.0	-	46.7	47.6
11:00 PM - 11:05 PM	49.0	47.6	1.4	7.0	-	45.0	46.7
11:05 PM - 11:10 PM	50.9	47.8	3.1	3.0	-	50.9	47.1
11:10 PM - 11:15 PM	51.0	47.8	3.2	3.0	-	51.0	46.9
11:15 PM - 11:20 PM	51.2	47.8	3.4	3.0	-	51.2	46.9
11:20 PM - 11:25 PM	51.6	47.6	4.0	2.0	-	52.6	46.6
11:25 PM - 11:30 PM	52.3	47.2	5.1	1.5	-	53.8	46.2
11:30 PM - 11:35 PM	49.6	47.2	2.4	4.5	-	48.1	46.4
11:35 PM - 11:40 PM	49.0	47.1	1.9	4.5	-	47.5	46.3
11:40 PM - 11:45 PM	48.8	47.1	1.7	4.5	-	47.3	45.7
11:45 PM - 11:50 PM	49.4	47.2	2.2	4.5	-	47.9	46.3
11:50 PM - 11:55 PM	48.5	51.2	-2.7	7.0	-	44.5	46.8
11:55 PM - 12:00 AM	49.8	47.6	2.2	4.5	-	48.3	46.8
12:00 AM - 12:05 AM	50.3	47.3	3.0	3.0	-	50.3	46.4
12:05 AM - 12:10 AM	49.9	47.2	2.7	3.0	-	49.9	46.4
12:10 AM - 12:15 AM	49.9	47.5	2.4	4.5	-	48.4	46.7
12:15 AM - 12:20 AM	50.0	47.6	2.4	4.5	-	48.5	46.5
12:20 AM - 12:25 AM	51.0	47.7	3.3	3.0	-	51.0	46.6
12:25 AM - 12:30 AM	51.8	48.0	3.8	2.0	-	52.8	47.1
12:30 AM - 12:35 AM	51.2	47.7	3.5	2.0	-	52.2	45.2

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Analysis / Test Report



TESTING
No.0009

Client : Asia Industrial Estate Co., Ltd.

49 Soi Pipat (Silom 3) Asia Sermkij Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500

P/O : สัตยาจำ

Project Name : Project AIE (Suwanaphumi)

Project Location :

Lot ID: 2358316

Date Received : May 30, 2023

Date Reported : Jun 09, 2023

Report Number : 2678450-1

Page 2 of 3

Sample No. 2358316-10
Parameter เสียงรบกวน
Location N3 : โรงเรียนธรรมศรีสุวรรณดิษฐ์ (GPS 47P 0706086, 1507301)
Measurement Date May 25 - 26, 2023
Measurement by Autit Aoonsim
Sound Level Meter 00296513

เวลา	ระดับเสียง (dB(A))						
	(A)	(B)	(A-B)	(C)	(B)		(D)
	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีกิจกรรม	ผลต่างระดับเสียง	ตัวปรับค่า	ปรับค่าเสียงจากแหล่งกำเนิด	เสียงพื้นฐาน	
					กลางวัน (A-C)	กลางคืน (A-C)	การรบกวน
12:35 AM - 12:40 AM	51.6	47.5	4.1	2.0	-	52.6	45.2
12:40 AM - 12:45 AM	51.2	48.4	2.8	3.0	-	51.2	47.3
12:45 AM - 12:50 AM	50.9	48.5	2.4	4.5	-	49.4	47.4
12:50 AM - 12:55 AM	50.6	48.5	2.1	4.5	-	49.1	47.6
12:55 AM - 01:00 AM	49.8	47.2	2.6	3.0	-	49.8	45.5
01:00 AM - 01:05 AM	49.9	45.8	4.1	2.0	-	50.9	44.9
01:05 AM - 01:10 AM	50.8	45.4	5.4	1.5	-	52.3	44.5
01:10 AM - 01:15 AM	50.8	46.2	4.6	1.5	-	52.3	45.2
01:15 AM - 01:20 AM	50.9	46.3	4.6	1.5	-	52.4	45.4
01:20 AM - 01:25 AM	51.3	46.5	4.8	1.5	-	52.8	45.5
01:25 AM - 01:30 AM	51.1	46.5	4.6	1.5	-	52.6	45.5
01:30 AM - 01:35 AM	51.3	46.3	5.0	1.5	-	52.8	45.3
01:35 AM - 01:40 AM	51.2	46.9	4.3	2.0	-	52.2	45.0
01:40 AM - 01:45 AM	50.8	45.2	5.6	1.5	-	52.3	43.2
01:45 AM - 01:50 AM	50.8	45.3	5.5	1.5	-	52.3	43.4
01:50 AM - 01:55 AM	49.9	44.4	5.5	1.5	-	51.4	43.1
01:55 AM - 02:00 AM	50.2	47.6	2.6	3.0	-	50.2	45.5
02:00 AM - 02:05 AM	49.7	48.8	0.9	7.0	-	45.7	45.6
02:05 AM - 02:10 AM	48.8	48.3	0.5	7.0	-	44.8	44.9
02:10 AM - 02:15 AM	47.7	47.5	0.2	7.0	-	43.7	44.7
02:15 AM - 02:20 AM	47.9	49.3	-1.4	7.0	-	43.9	46.8
02:20 AM - 02:25 AM	50.2	48.7	1.5	4.5	-	48.7	47.1
02:25 AM - 02:30 AM	49.9	49.4	0.5	7.0	-	45.9	48.1
02:30 AM - 02:35 AM	49.9	49.2	0.7	7.0	-	45.9	47.9
02:35 AM - 02:40 AM	50.5	48.7	1.8	4.5	-	49.0	47.5
02:40 AM - 02:45 AM	49.6	46.9	2.7	3.0	-	49.6	43.8
02:45 AM - 02:50 AM	49.5	44.0	5.5	1.5	-	51.0	42.5
02:50 AM - 02:55 AM	50.1	45.3	4.8	1.5	-	51.6	44.2
02:55 AM - 03:00 AM	50.1	45.7	4.4	2.0	-	51.1	44.1
03:00 AM - 03:05 AM	50.6	52.0	-1.4	7.0	-	46.6	45.2
03:05 AM - 03:10 AM	49.4	47.4	2.0	4.5	-	47.9	45.0
03:10 AM - 03:15 AM	47.3	46.5	0.8	7.0	-	43.3	45.3
03:15 AM - 03:20 AM	46.9	48.9	-2.0	7.0	-	42.9	46.0
03:20 AM - 03:25 AM	47.4	50.1	-2.7	7.0	-	43.4	48.8
03:25 AM - 03:30 AM	48.3	50.3	-2.0	7.0	-	44.3	49.2
03:30 AM - 03:35 AM	47.9	51.4	-3.5	7.0	-	43.9	49.4
03:35 AM - 03:40 AM	48.4	50.5	-2.1	7.0	-	44.4	49.4
03:40 AM - 03:45 AM	49.4	54.0	-4.6	7.0	-	45.4	49.2
03:45 AM - 03:50 AM	47.9	52.8	-4.9	7.0	-	43.9	48.2
03:50 AM - 03:55 AM	49.2	50.2	-1.0	7.0	-	45.2	48.1

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Analysis / Test Report



TESTING
No.0009

Client : Asia Industrial Estate Co., Ltd.

49 Soi Pipat (Silom 3) Asia Sermkij Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500

P/O : สัญญาจ้าง

Project Name : Project AIE (Suwanaphumi)

Project Location :

Lot ID: 2358316

Date Received : May 30, 2023

Date Reported : Jun 09, 2023

Report Number : 2678450-1

Page 3 of 3

Sample No. 2358316-10
Parameter เสียงรบกวน
Location N3 : โรงเรียนธรรมศาสตร์วิทยพัฒน์ (GPS 47P 0706086, 1507301)
Measurement Date May 25 - 26, 2023
Measurement by Audit Aoonsim
Sound Level Meter 00296513

เวลา	เสียงจากแหล่งกำเนิด (A)	เสียงขณะไม่มีกิจกรรม (B)	ผลต่างระดับเสียง (A-B)	ตัวปรับค่า (C)	ปรับค่าเสียงจากแหล่งกำเนิด (D)		เสียงพื้นฐาน (E)	ค่าระดับการรบกวน (F)
					กลางวัน (A+C)	กลางคืน (A+C+3)		
03:55 AM - 04:00 AM	47.9	49.9	-2.0	7.0	-	43.9	47.9	-4.0
04:00 AM - 04:05 AM	48.6	49.7	-1.1	7.0	-	44.6	47.5	-2.9
04:05 AM - 04:10 AM	48.1	50.3	-2.2	7.0	-	44.1	48.7	-4.6
04:10 AM - 04:15 AM	47.7	50.0	-2.3	7.0	-	43.7	47.0	-3.3
04:15 AM - 04:20 AM	47.3	51.5	-4.2	7.0	-	43.3	50.4	-7.1
04:20 AM - 04:25 AM	49.4	51.4	-2.0	7.0	-	45.4	50.1	-4.7
04:25 AM - 04:30 AM	48.4	52.4	-4.0	7.0	-	44.4	50.5	-6.1
04:30 AM - 04:35 AM	47.6	51.7	-4.1	7.0	-	43.6	50.0	-6.4
04:35 AM - 04:40 AM	48.7	51.2	-2.5	7.0	-	44.7	49.5	-4.8
04:40 AM - 04:45 AM	48.4	51.9	-3.5	7.0	-	44.4	50.5	-6.1
04:45 AM - 04:50 AM	48.7	51.6	-2.9	7.0	-	44.7	50.0	-5.3
04:50 AM - 04:55 AM	48.9	51.8	-2.9	7.0	-	44.9	50.4	-5.5
04:55 AM - 05:00 AM	48.9	52.4	-3.5	7.0	-	44.9	49.7	-4.8
05:00 AM - 05:05 AM	49.8	52.9	-3.1	7.0	-	45.8	49.7	-3.9
05:05 AM - 05:10 AM	49.9	50.0	-0.1	7.0	-	45.9	47.8	-1.9
05:10 AM - 05:15 AM	49.1	50.3	-1.2	7.0	-	45.1	48.0	-2.9
05:15 AM - 05:20 AM	50.0	51.9	-1.9	7.0	-	46.0	50.0	-4.0
05:20 AM - 05:25 AM	49.6	52.7	-3.1	7.0	-	45.6	50.9	-5.3
05:25 AM - 05:30 AM	50.7	53.2	-2.5	7.0	-	46.7	51.2	-4.5
05:30 AM - 05:35 AM	51.9	51.8	0.1	7.0	-	47.9	48.4	-0.5
05:35 AM - 05:40 AM	51.1	50.6	0.5	7.0	-	47.1	48.1	-1.0
05:40 AM - 05:45 AM	53.6	49.9	3.7	2.0	-	54.6	46.9	7.7
05:45 AM - 05:50 AM	53.4	54.5	-1.1	7.0	-	49.4	48.4	1.0
05:50 AM - 05:55 AM	54.7	53.3	1.4	7.0	-	50.7	48.5	2.2
05:55 AM - 06:00 AM	55.9	50.8	5.1	1.5	-	48.0	48.0	0.0
06:00 AM - 07:00 AM	56.2	51.6	4.6	1.5	54.7	47.8	6.9	-
07:00 AM - 08:00 AM	55.3	49.5	5.8	1.5	53.8	44.7	9.1	-
08:00 AM - 09:00 AM	55.4	50.3	5.1	1.5	53.9	46.3	7.6	-
09:00 AM - 10:00 AM	55.2	51.9	3.3	3.0	52.2	47.2	5.0	-
10:00 AM - 11:00 AM	53.1	50.6	2.5	3.0	50.1	45.3	4.8	-
11:00 AM - 12:00 PM	52.1	55.5	-3.4	7.0	45.1	45.0	0.1	-
12:00 PM - 01:00 PM	51.6	47.5	4.1	2.0	49.6	43.3	6.3	-
ค่ามาตรฐาน								≤ 10

Reference Method : Based on ISO 1996-1 and ISO 1996-2

มาตรฐาน

- ประกาศกระทรวงอุตสาหกรรม เรื่อง กำหนดค่าระดับเสียงการรบกวนและระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548
- ประกาศกรมโรงงานอุตสาหกรรม เรื่อง วิธีการตรวจวัดระดับเสียงรบกวน ระดับเสียงเฉลี่ย 24 ชั่วโมง และระดับเสียงสูงสุดที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2553
- ประกาศกระทรวงสาธารณสุข เรื่อง กำหนดค่ามาตรฐานหลักพิษทางเสียงอันเกิดจากการประกอบกิจการที่เป็นอันตรายต่อสุขภาพ พ.ศ. 2561

ระดับเสียงพื้นฐานและระดับเสียงขณะไม่มีกิจกรรม (Sample No.2358336-14 วันที่ตรวจวัด 25-26 พฤษภาคม 2566)

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Analysis / Test Report



TESTING
No.0009

Client : Asia Industrial Estate Co., Ltd.

49 Soi Pipat (Silom 3) Asia Sermkij Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500

P/O : สัญญาจ้าง

Project Name : Project AIE (Suwanaphumi)

Project Location :

Lot ID: 2358316

Date Received : May 30, 2023

Date Reported : Jun 09, 2023

Report Number : 2678451-1

Page 1 of 3

Sample No. 2358316-11
Parameter เสียงรบกวน
Location N3 : โรงเรียนธรรมศาสตร์วิทยพัฒน์ (GPS 47P 0706086, 1507301)
Measurement Date May 26 - 27, 2023
Measurement by Audit Aoonsim
Sound Level Meter 00296513

เวลา	เสียงจากแหล่งกำเนิด (A)	เสียงขณะไม่มีกิจกรรม (B)	ผลต่างระดับเสียง (A-B)	ตัวปรับค่า (C)	ปรับค่าเสียงจากแหล่งกำเนิด (D)		เสียงพื้นฐาน (E)	ค่าระดับการรบกวน (F)
					กลางวัน (A+C)	กลางคืน (A+C+3)		
01:00 PM - 02:00 PM	58.0	48.1	9.9	0.5	57.5	-	43.8	13.7
02:00 PM - 03:00 PM	59.0	47.6	11.4	0.5	58.5	-	42.4	16.1
03:00 PM - 04:00 PM	48.6	47.5	1.1	7.0	41.6	-	41.3	0.3
04:00 PM - 05:00 PM	52.4	46.4	6.0	1.5	50.9	-	41.9	9.0
05:00 PM - 06:00 PM	50.1	47.0	3.1	3.0	47.1	-	40.6	6.5
06:00 PM - 07:00 PM	49.0	46.1	2.9	3.0	46.0	-	41.0	5.0
07:00 PM - 08:00 PM	46.5	47.6	-1.1	7.0	39.5	-	45.7	-6.2
08:00 PM - 09:00 PM	48.8	47.9	0.9	7.0	41.8	-	46.7	-4.9
09:00 PM - 10:00 PM	51.2	47.3	3.9	2.0	49.2	-	43.5	5.7
10:00 PM - 10:05 PM	53.8	50.9	2.9	3.0	-	53.8	43.0	10.8
10:05 PM - 10:10 PM	53.3	44.7	8.6	0.5	-	55.8	42.1	13.7
10:10 PM - 10:15 PM	53.5	44.6	8.9	0.5	-	56.0	42.2	13.8
10:15 PM - 10:20 PM	52.6	51.0	1.6	4.5	-	51.1	43.6	7.5
10:20 PM - 10:25 PM	52.2	54.7	-2.5	7.0	-	48.2	44.1	4.1
10:25 PM - 10:30 PM	52.0	46.3	5.7	1.5	-	53.5	43.3	10.2
10:30 PM - 10:35 PM	51.4	46.2	5.2	1.5	-	52.9	43.3	9.6
10:35 PM - 10:40 PM	50.2	49.2	1.0	7.0	-	46.2	43.4	2.8
10:40 PM - 10:45 PM	50.0	43.9	6.1	1.5	-	51.5	42.3	9.2
10:45 PM - 10:50 PM	49.5	44.4	5.1	1.5	-	51.0	42.9	8.1
10:50 PM - 10:55 PM	49.0	45.4	3.6	2.0	-	50.0	43.2	6.8
10:55 PM - 11:00 PM	47.3	46.0	1.3	7.0	-	43.3	43.8	-0.5
11:00 PM - 11:05 PM	46.3	45.9	0.4	7.0	-	42.3	44.1	-1.8
11:05 PM - 11:10 PM	46.1	44.9	1.2	7.0	-	42.1	43.5	-1.4
11:10 PM - 11:15 PM	46.0	44.6	1.4	7.0	-	42.0	42.9	-0.9
11:15 PM - 11:20 PM	46.1	45.7	0.4	7.0	-	42.1	43.4	-1.3
11:20 PM - 11:25 PM	46.0	45.7	0.3	7.0	-	42.0	43.5	-1.5
11:25 PM - 11:30 PM	45.8	44.6	1.2	7.0	-	41.8	43.2	-1.4
11:30 PM - 11:35 PM	49.9	47.7	2.2	4.5	-	48.4	43.4	5.0
11:35 PM - 11:40 PM	48.5	44.3	4.2	2.0	-	49.5	42.3	7.2
11:40 PM - 11:45 PM	44.9	44.4	0.5	7.0	-	40.9	42.6	-1.7
11:45 PM - 11:50 PM	45.2	45.4	-0.2	7.0	-	41.2	43.1	-1.9
11:50 PM - 11:55 PM	45.2	45.3	-0.1	7.0	-	41.2	43.0	-1.8
11:55 PM - 12:00 AM	45.0	46.1	-1.1	7.0	-	41.0	41.8	-0.8
12:00 AM - 12:05 AM	45.7	44.6	1.1	7.0	-	41.7	42.2	-0.5
12:05 AM - 12:10 AM	45.1	43.3	1.8	4.5	-	43.6	41.0	2.6
12:10 AM - 12:15 AM	44.5	44.1	0.4	7.0	-	40.5	41.0	-0.5
12:15 AM - 12:20 AM	44.6	42.0	2.6	3.0	-	44.6	41.1	3.5
12:20 AM - 12:25 AM	44.7	42.6	2.1	4.5	-	43.2	41.2	2.0
12:25 AM - 12:30 AM	44.7	43.9	0.8	7.0	-	40.7	42.0	-1.3
12:30 AM - 12:35 AM	44.3	44.4	-0.1	7.0	-	40.3	42.3	-2.0

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Life Sciences

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Analysis / Test Report



TESTING
No.0009

Client : Asia Industrial Estate Co., Ltd.

49 Soi Pipat (Silom 3) Asia Sermkij Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500

P/O : สัญญาจ้าง

Project Name : Project AIE (Suwanaphumi)

Project Location :

Lot ID: 2358316

Date Received : May 30, 2023

Date Reported : Jun 09, 2023

Report Number : 2678451-1

Page 2 of 3

Sample No. 2358316-11
Parameter เสียงรบกวน
Location N3 : โรงเรียนธรรมศาสตร์วิทยพัฒน์ (GPS 47P 0706086, 1507301)
Measurement Date May 26 - 27, 2023
Measurement by Autit Aoonsim
Sound Level Meter 00296513

ระดับเสียง (dB(A))								
เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีกิจกรรม	ผลต่างระดับเสียง	ตัวปรับค่า	ปรับค่าเสียงจากแหล่งกำเนิด		เสียงพื้นฐาน	ค่าระดับการรบกวน
					กลางวัน (A1)	กลางคืน (A2)		
12:35 AM - 12:40 AM	44.4	46.5	-2.1	7.0	-	40.4	42.0	-1.6
12:40 AM - 12:45 AM	44.7	42.9	1.8	4.5	-	43.2	41.2	2.0
12:45 AM - 12:50 AM	44.0	43.3	0.7	7.0	-	40.0	41.7	-1.7
12:50 AM - 12:55 AM	45.4	43.4	2.0	4.5	-	43.9	42.1	1.8
12:55 AM - 01:00 AM	44.9	42.5	2.4	4.5	-	43.4	41.6	1.8
01:00 AM - 01:05 AM	44.3	44.2	0.1	7.0	-	40.3	42.5	-2.2
01:05 AM - 01:10 AM	44.0	43.5	0.5	7.0	-	40.0	41.7	-1.7
01:10 AM - 01:15 AM	45.1	50.1	-5.0	7.0	-	41.1	42.2	-1.1
01:15 AM - 01:20 AM	45.5	44.1	1.4	7.0	-	41.5	40.4	1.1
01:20 AM - 01:25 AM	45.3	41.6	3.7	2.0	-	46.3	40.3	6.0
01:25 AM - 01:30 AM	45.0	43.4	1.6	4.5	-	43.5	41.5	2.0
01:30 AM - 01:35 AM	45.3	44.2	1.1	7.0	-	41.3	42.3	-1.0
01:35 AM - 01:40 AM	45.9	45.4	0.5	7.0	-	41.9	42.9	-1.0
01:40 AM - 01:45 AM	45.6	43.3	2.3	4.5	-	44.1	40.4	3.7
01:45 AM - 01:50 AM	45.7	41.6	4.1	2.0	-	46.7	39.8	6.9
01:50 AM - 01:55 AM	45.9	42.9	3.0	3.0	-	45.9	40.6	5.3
01:55 AM - 02:00 AM	45.4	41.5	3.9	2.0	-	46.4	40.7	5.7
02:00 AM - 02:05 AM	45.0	41.2	3.8	2.0	-	46.0	39.9	6.1
02:05 AM - 02:10 AM	44.5	41.6	2.9	3.0	-	44.5	39.1	5.4
02:10 AM - 02:15 AM	44.9	45.5	-0.6	7.0	-	40.9	39.9	1.0
02:15 AM - 02:20 AM	44.5	48.0	-3.5	7.0	-	40.5	39.7	0.8
02:20 AM - 02:25 AM	45.3	44.8	0.5	7.0	-	41.3	39.2	2.1
02:25 AM - 02:30 AM	45.5	43.4	2.1	4.5	-	44.0	39.3	4.7
02:30 AM - 02:35 AM	44.4	49.7	-5.3	7.0	-	40.4	41.4	-1.0
02:35 AM - 02:40 AM	44.8	54.5	-9.7	7.0	-	40.8	41.5	-0.7
02:40 AM - 02:45 AM	44.2	48.3	-4.1	7.0	-	40.2	43.4	-3.2
02:45 AM - 02:50 AM	44.6	51.5	-6.9	7.0	-	40.6	46.6	-6.0
02:50 AM - 02:55 AM	44.4	65.4	-21.0	7.0	-	40.4	44.4	-4.0
02:55 AM - 03:00 AM	44.2	49.5	-5.3	7.0	-	40.2	44.5	-4.3
03:00 AM - 03:05 AM	43.8	55.1	-11.3	7.0	-	39.8	48.8	-9.0
03:05 AM - 03:10 AM	44.0	58.3	-14.3	7.0	-	40.0	45.4	-5.4
03:10 AM - 03:15 AM	44.2	55.4	-11.2	7.0	-	40.2	44.7	-4.5
03:15 AM - 03:20 AM	46.1	58.5	-12.4	7.0	-	42.1	50.4	-8.3
03:20 AM - 03:25 AM	44.9	80.8	-35.9	7.0	-	40.9	59.2	-18.3
03:25 AM - 03:30 AM	45.2	58.5	-13.3	7.0	-	41.2	51.6	-10.4
03:30 AM - 03:35 AM	45.7	55.4	-9.7	7.0	-	41.7	46.9	-5.2
03:35 AM - 03:40 AM	45.7	58.1	-12.4	7.0	-	41.7	43.9	-2.2
03:40 AM - 03:45 AM	47.8	58.2	-10.4	7.0	-	43.8	43.5	0.3
03:45 AM - 03:50 AM	45.3	61.2	-15.9	7.0	-	41.3	44.3	-3.0
03:50 AM - 03:55 AM	45.2	61.4	-16.2	7.0	-	41.2	43.3	-2.1

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Analysis / Test Report



TESTING
No.0009

Client : Asia Industrial Estate Co., Ltd.

49 Soi Pipat (Silom 3) Asia Sermkij Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500

P/O : สัญญาจ้าง

Project Name : Project AIE (Suwanaphumi)

Project Location :

Lot ID: 2358316

Date Received : May 30, 2023

Date Reported : Jun 09, 2023

Report Number : 2678451-1

Page 3 of 3

Sample No. 2358316-11
Parameter เสียงรบกวน
Location N3 : โรงเรียนธรรมศาสตร์วิทยพัฒน์ (GPS 47P 0706086, 1507301)
Measurement Date May 26 - 27, 2023
Measurement by Autit Aoonsim
Sound Level Meter 00296513

ระดับเสียง (dB(A))								
เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีกิจกรรม	ผลต่างระดับเสียง	ตัวปรับค่า	ปรับค่าเสียงจากแหล่งกำเนิด		เสียงพื้นฐาน	ค่าระดับการรบกวน
					กลางวัน (A1)	กลางคืน (A2)		
03:55 AM - 04:00 AM	44.7	58.4	-13.7	7.0	-	40.7	45.1	-4.4
04:00 AM - 04:05 AM	44.2	55.3	-11.1	7.0	-	40.2	47.2	-7.0
04:05 AM - 04:10 AM	44.2	57.8	-13.6	7.0	-	40.2	50.9	-10.7
04:10 AM - 04:15 AM	43.7	59.0	-15.3	7.0	-	39.7	52.4	-12.7
04:15 AM - 04:20 AM	43.3	57.3	-14.0	7.0	-	39.3	49.5	-10.2
04:20 AM - 04:25 AM	47.5	56.7	-9.2	7.0	-	43.5	49.9	-6.4
04:25 AM - 04:30 AM	52.8	56.6	-3.8	7.0	-	48.8	48.0	0.8
04:30 AM - 04:35 AM	48.9	53.7	-4.8	7.0	-	44.9	48.5	-3.6
04:35 AM - 04:40 AM	48.5	53.6	-5.1	7.0	-	44.5	51.1	-6.6
04:40 AM - 04:45 AM	49.0	52.5	-3.5	7.0	-	45.0	51.6	-6.6
04:45 AM - 04:50 AM	49.4	53.1	-3.7	7.0	-	45.4	52.1	-6.7
04:50 AM - 04:55 AM	55.5	52.7	2.8	3.0	-	55.5	48.7	6.8
04:55 AM - 05:00 AM	80.2	53.0	27.2	0.0	-	83.2	52.0	31.2
05:00 AM - 05:05 AM	49.1	52.6	-3.5	7.0	-	45.1	51.8	-6.7
05:05 AM - 05:10 AM	49.9	53.0	-3.1	7.0	-	45.9	49.7	-3.8
05:10 AM - 05:15 AM	60.8	51.1	9.7	0.5	-	63.3	49.6	13.7
05:15 AM - 05:20 AM	63.3	51.3	12.0	0.5	-	65.8	49.2	16.6
05:20 AM - 05:25 AM	57.7	51.2	6.5	1.0	-	59.7	48.8	10.9
05:25 AM - 05:30 AM	56.3	52.4	3.9	2.0	-	57.3	49.9	7.4
05:30 AM - 05:35 AM	53.4	51.4	2.0	4.5	-	51.9	47.8	4.1
05:35 AM - 05:40 AM	53.6	51.9	1.7	4.5	-	52.1	48.8	3.3
05:40 AM - 05:45 AM	64.6	52.7	11.9	0.5	-	67.1	49.9	17.2
05:45 AM - 05:50 AM	66.0	51.6	14.4	0.0	-	69.0	48.7	20.3
05:50 AM - 05:55 AM	69.3	52.7	16.6	0.0	-	72.3	48.1	24.2
05:55 AM - 06:00 AM	70.1	52.5	17.6	0.0	-	73.1	47.5	25.6
06:00 AM - 07:00 AM	67.9	51.5	16.4	0.0	67.9	-	47.6	20.3
07:00 AM - 08:00 AM	54.8	52.2	2.6	3.0	51.8	-	49.0	2.8
08:00 AM - 09:00 AM	54.0	51.8	2.2	4.5	49.5	-	47.6	1.9
09:00 AM - 10:00 AM	51.9	53.2	-1.3	7.0	44.9	-	45.3	-0.4
10:00 AM - 11:00 AM	51.4	48.1	3.3	3.0	48.4	-	41.5	6.9
11:00 AM - 12:00 PM	53.2	45.4	7.8	0.5	52.7	-	41.3	11.4
12:00 PM - 01:00 PM	50.3	45.1	5.2	1.5	48.8	-	39.5	9.3

ค่ามาตรฐาน

Reference Method : Based on ISO 1996-1 and ISO 1996-2

มาตรฐาน

- ประกาศกระทรวงอุตสาหกรรม เรื่อง กำหนดค่าระดับเสียงการรบกวนและระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548
- ประกาศกรมโรงงานอุตสาหกรรม เรื่อง วิธีการตรวจวัดระดับเสียงรบกวน ระดับเสียงเฉลี่ย 24 ชั่วโมง และระดับเสียงสูงสุดที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2553
- ประกาศกระทรวงสาธารณสุข เรื่อง กำหนดค่ามาตรฐานระดับเสียงทางเสียงที่เกิดจากการประกอบกิจการที่เป็นอันตรายต่อสุขภาพ พ.ศ. 2561

ระดับเสียงจากแหล่งกำเนิด ท้าการตรวจวัด วันที่ 26-27 พฤษภาคม 2566

ระดับเสียงพื้นฐานและระดับเสียงขณะไม่มีกิจกรรม (Sample No.2358336-15 วันที่ตรวจวัด 26-27 พฤษภาคม 2566)

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Analysis / Test Report



TESTING
No.0009

Client : Asia Industrial Estate Co., Ltd.

49 Soi Pipat (Silom 3) Asia Sermkij Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500

P/O : สัตยาจำ

Project Name : Project AIE (Suwanaphumi)

Project Location :

Lot ID: 2358316

Date Received : May 30, 2023

Date Reported : Jun 09, 2023

Report Number : 2678452-1

Page 1 of 3

Sample No. 2358316-12
Parameter เสียงรบกวน
Location N3 : โรงเรือนธรรมชาติสุพรรณดิษฐ์ (GPS 47P 0706086, 1507301)
Measurement Date May 27 - 28, 2023
Measurement by Autit Aoonsim
Sound Level Meter 00296513

ระดับเสียง (dB(A))								
เวลา	(A)	(B)	(A-B)	(C)	(D)		(D)	
	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	ผลต่างระดับเสียง	ตัวปรับค่า	ปรับค่าเสียงจากแหล่งกำเนิดกลางคืน (A-C)+1	เสียงพื้นฐาน (A-C)+1	ค่าระดับการรบกวน	
01:00 PM - 02:00 PM	49.2	49.7	-0.5	7.0	42.2	-	42.6	-0.4
02:00 PM - 03:00 PM	47.3	45.7	1.6	4.5	42.8	-	40.1	2.7
03:00 PM - 04:00 PM	49.9	46.6	3.3	3.0	46.9	-	39.9	7.0
04:00 PM - 05:00 PM	49.7	47.2	2.5	3.0	46.7	-	42.0	4.7
05:00 PM - 06:00 PM	48.3	47.3	1.0	7.0	41.3	-	41.3	0.0
06:00 PM - 07:00 PM	48.0	50.8	-2.8	7.0	41.0	-	42.3	-1.3
07:00 PM - 08:00 PM	46.4	51.3	-4.9	7.0	39.4	-	49.6	-10.2
08:00 PM - 09:00 PM	47.4	51.7	-4.3	7.0	40.4	-	50.4	-10.0
09:00 PM - 10:00 PM	52.1	50.5	1.6	4.5	47.6	-	49.0	-1.4
10:00 PM - 10:05 PM	52.6	48.0	4.6	1.5	-	54.1	47.3	6.8
10:05 PM - 10:10 PM	53.2	54.6	-1.4	7.0	-	49.2	47.8	1.4
10:10 PM - 10:15 PM	52.3	52.1	0.2	7.0	-	48.3	47.1	1.2
10:15 PM - 10:20 PM	51.3	47.9	3.4	3.0	-	51.3	46.9	4.4
10:20 PM - 10:25 PM	51.2	46.9	4.3	2.0	-	52.2	46.0	6.2
10:25 PM - 10:30 PM	50.7	47.5	3.2	3.0	-	50.7	46.5	4.2
10:30 PM - 10:35 PM	50.3	48.2	2.1	4.5	-	48.8	47.1	1.7
10:35 PM - 10:40 PM	47.4	48.2	-0.8	7.0	-	43.4	47.5	-4.1
10:40 PM - 10:45 PM	47.1	48.3	-1.2	7.0	-	43.1	47.5	-4.4
10:45 PM - 10:50 PM	46.4	48.0	-1.6	7.0	-	42.4	47.0	-4.6
10:50 PM - 10:55 PM	45.8	47.5	-1.7	7.0	-	41.8	46.5	-4.7
10:55 PM - 11:00 PM	46.2	47.7	-1.5	7.0	-	42.2	46.4	-4.2
11:00 PM - 11:05 PM	49.8	46.9	2.9	3.0	-	49.8	45.6	4.2
11:05 PM - 11:10 PM	52.1	47.2	4.9	1.5	-	53.6	46.1	7.5
11:10 PM - 11:15 PM	53.5	47.5	6.0	1.5	-	55.0	45.8	9.2
11:15 PM - 11:20 PM	52.1	47.6	4.5	1.5	-	53.6	45.4	8.2
11:20 PM - 11:25 PM	48.1	48.0	0.1	7.0	-	44.1	45.1	-1.0
11:25 PM - 11:30 PM	47.2	46.6	0.6	7.0	-	43.2	44.9	-1.7
11:30 PM - 11:35 PM	47.3	52.0	-4.7	7.0	-	43.3	47.0	-3.7
11:35 PM - 11:40 PM	47.9	56.7	-8.8	7.0	-	43.9	54.8	-10.9
11:40 PM - 11:45 PM	48.8	54.9	-6.1	7.0	-	44.8	52.0	-7.2
11:45 PM - 11:50 PM	51.0	50.9	0.1	7.0	-	47.0	48.1	-1.1
11:50 PM - 11:55 PM	54.3	47.3	7.0	1.0	-	56.3	46.1	10.2
11:55 PM - 12:00 AM	54.7	46.6	8.1	0.5	-	57.2	45.8	11.4
12:00 AM - 12:05 AM	54.8	45.8	9.0	0.5	-	57.3	45.2	12.1
12:05 AM - 12:10 AM	52.7	47.5	5.2	1.5	-	54.2	45.5	8.7
12:10 AM - 12:15 AM	50.1	47.1	3.0	3.0	-	50.1	46.4	3.7
12:15 AM - 12:20 AM	49.4	49.7	-0.3	7.0	-	45.4	47.1	-1.7
12:20 AM - 12:25 AM	49.0	50.6	-1.6	7.0	-	45.0	47.6	-2.6
12:25 AM - 12:30 AM	50.1	50.3	-0.2	7.0	-	46.1	47.9	-1.8
12:30 AM - 12:35 AM	49.9	51.8	-1.9	7.0	-	45.9	48.6	-2.7

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Analysis / Test Report



TESTING
No.0009

Client : Asia Industrial Estate Co., Ltd.

49 Soi Pipat (Silom 3) Asia Sermkij Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500

P/O : สัตยาจำ

Project Name : Project AIE (Suwanaphumi)

Project Location :

Lot ID: 2358316

Date Received : May 30, 2023

Date Reported : Jun 09, 2023

Report Number : 2678452-1

Page 2 of 3

Sample No. 2358316-12
Parameter เสียงรบกวน
Location N3 : โรงเรือนธรรมชาติสุพรรณดิษฐ์ (GPS 47P 0706086, 1507301)
Measurement Date May 27 - 28, 2023
Measurement by Autit Aoonsim
Sound Level Meter 00296513

เวลา	ระดับเสียง (dB(A))							ค่าระดับ การรบกวน
	เสียงจากแหล่งกำเนิด (A)	เสียงขณะ ไม่มีการรบกวน (B)	ผลต่าง ระดับเสียง (A-B)	ตัวปรับค่า (C)	ปรับค่าเสียงจากแหล่งกำเนิด (D)		เสียงที่ฐาน (E)	
					กลางวัน (A-C)	กลางคืน (A-C+3)		
12:35 AM - 12:40 AM	49.7	50.9	-1.2	7.0	-	45.7	49.0	-3.3
12:40 AM - 12:45 AM	49.4	51.4	-2.0	7.0	-	45.4	50.4	-5.0
12:45 AM - 12:50 AM	49.9	51.4	-1.5	7.0	-	45.9	50.6	-4.7
12:50 AM - 12:55 AM	49.8	49.9	-0.1	7.0	-	45.8	49.1	-3.3
12:55 AM - 01:00 AM	49.8	50.1	-0.3	7.0	-	45.8	49.4	-3.6
01:00 AM - 01:05 AM	49.0	50.4	-1.4	7.0	-	45.0	49.6	-4.6
01:05 AM - 01:10 AM	48.3	50.0	-1.7	7.0	-	44.3	49.3	-5.0
01:10 AM - 01:15 AM	48.5	49.9	-1.4	7.0	-	44.5	49.2	-4.7
01:15 AM - 01:20 AM	48.3	49.9	-1.6	7.0	-	44.3	49.4	-5.1
01:20 AM - 01:25 AM	48.1	50.2	-2.1	7.0	-	44.1	49.4	-5.3
01:25 AM - 01:30 AM	47.4	50.2	-2.8	7.0	-	43.4	49.5	-6.1
01:30 AM - 01:35 AM	47.9	51.5	-3.6	7.0	-	43.9	50.6	-6.7
01:35 AM - 01:40 AM	48.5	51.8	-3.3	7.0	-	44.5	50.8	-6.3
01:40 AM - 01:45 AM	47.4	51.2	-3.8	7.0	-	43.4	50.7	-7.3
01:45 AM - 01:50 AM	47.2	51.0	-3.8	7.0	-	43.2	50.5	-7.3
01:50 AM - 01:55 AM	46.8	51.1	-4.3	7.0	-	42.8	50.6	-7.8
01:55 AM - 02:00 AM	47.2	51.6	-4.4	7.0	-	43.2	51.0	-7.8
02:00 AM - 02:05 AM	47.0	51.9	-4.9	7.0	-	43.0	51.2	-8.2
02:05 AM - 02:10 AM	46.8	52.3	-5.5	7.0	-	42.8	51.3	-8.5
02:10 AM - 02:15 AM	45.9	51.9	-6.0	7.0	-	41.9	51.1	-9.2
02:15 AM - 02:20 AM	45.1	51.3	-6.2	7.0	-	41.1	50.4	-9.3
02:20 AM - 02:25 AM	44.9	51.5	-6.6	7.0	-	40.9	50.8	-9.9
02:25 AM - 02:30 AM	44.9	51.8	-6.9	7.0	-	40.9	50.6	-9.7
02:30 AM - 02:35 AM	44.5	51.4	-6.9	7.0	-	40.5	50.4	-9.9
02:35 AM - 02:40 AM	44.7	53.5	-8.8	7.0	-	40.7	50.3	-9.6
02:40 AM - 02:45 AM	45.5	55.1	-9.6	7.0	-	41.5	49.1	-7.6
02:45 AM - 02:50 AM	45.0	52.3	-7.3	7.0	-	41.0	49.1	-8.1
02:50 AM - 02:55 AM	44.5	52.5	-8.0	7.0	-	40.5	49.6	-9.1
02:55 AM - 03:00 AM	45.2	57.0	-11.8	7.0	-	41.2	51.4	-10.2
03:00 AM - 03:05 AM	44.3	62.4	-18.1	7.0	-	40.3	55.8	-15.5
03:05 AM - 03:10 AM	45.0	63.1	-18.1	7.0	-	41.0	54.7	-13.7
03:10 AM - 03:15 AM	45.9	59.7	-13.8	7.0	-	41.9	53.1	-11.2
03:15 AM - 03:20 AM	45.4	58.9	-13.5	7.0	-	41.4	51.9	-10.5
03:20 AM - 03:25 AM	43.8	64.7	-20.9	7.0	-	39.8	51.0	-11.2
03:25 AM - 03:30 AM	43.6	60.1	-16.5	7.0	-	39.6	50.9	-11.3
03:30 AM - 03:35 AM	46.0	58.5	-12.5	7.0	-	42.0	50.3	-8.3
03:35 AM - 03:40 AM	46.3	56.3	-10.0	7.0	-	42.3	50.2	-7.9
03:40 AM - 03:45 AM	44.1	54.6	-10.5	7.0	-	40.1	48.4	-8.3
03:45 AM - 03:50 AM	47.1	51.9	-4.8	7.0	-	43.1	47.0	-3.9
03:50 AM - 03:55 AM	46.5	53.3	-6.8	7.0	-	42.5	48.3	-5.8

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Analysis / Test Report



TESTING
No.0009

Client : Asia Industrial Estate Co., Ltd.
49 Soi Pipat (Silom 3) Asia Sermkij Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500

P/O : สัญญาจ้าง
Project Name : Project AIE (Suwanaphumi)
Project Location :

Lot ID: 2358316
Date Received : May 30, 2023
Date Reported : Jun 09, 2023
Report Number : 2678452-1

Page 3 of 3

Sample No. 2358316-12
Parameter เสียงรบกวน
Location N3 : โรงเรียนธรรมศาสตร์วัดประดู่ (GPS 47P 0706086, 1507301)
Measurement Date May 27 - 28, 2023
Measurement by Audit Aoonsim
Sound Level Meter 00296513

เวลา	ระดับเสียง (dB(A))				ปรับค่าเสียงจากแหล่งกำเนิด		เสียงพื้นฐาน	ค่าระดับการรบกวน
	(A) เสียงจากแหล่งกำเนิด	(B) เสียงขณะไม่มีกิจกรรม	(C) ผลต่างระดับเสียง	(D) ค่าปรับค่า	(E) กลางวัน	(F) กลางคืน		
03:55 AM - 04:00 AM	46.4	51.1	-4.7	7.0	-	42.4	49.3	-6.9
04:00 AM - 04:05 AM	47.3	53.0	-5.7	7.0	-	43.3	50.3	-7.0
04:05 AM - 04:10 AM	45.1	56.0	-10.9	7.0	-	41.1	52.6	-11.5
04:10 AM - 04:15 AM	45.2	58.8	-13.6	7.0	-	41.2	52.4	-11.2
04:15 AM - 04:20 AM	46.5	53.9	-7.4	7.0	-	42.5	52.4	-9.9
04:20 AM - 04:25 AM	45.7	55.0	-9.3	7.0	-	41.7	53.6	-11.9
04:25 AM - 04:30 AM	45.6	54.7	-9.1	7.0	-	41.6	53.1	-11.5
04:30 AM - 04:35 AM	45.2	55.1	-9.9	7.0	-	41.2	53.9	-12.7
04:35 AM - 04:40 AM	46.3	56.2	-9.9	7.0	-	42.3	55.1	-12.8
04:40 AM - 04:45 AM	45.9	56.6	-10.7	7.0	-	41.9	53.4	-11.5
04:45 AM - 04:50 AM	46.5	56.6	-10.1	7.0	-	42.5	55.5	-13.0
04:50 AM - 04:55 AM	46.7	57.2	-10.5	7.0	-	42.7	56.7	-14.0
04:55 AM - 05:00 AM	46.8	57.1	-10.3	7.0	-	42.8	56.6	-13.8
05:00 AM - 05:05 AM	49.8	57.4	-7.6	7.0	-	45.8	56.8	-11.0
05:05 AM - 05:10 AM	53.4	57.6	-4.2	7.0	-	49.4	56.8	-7.4
05:10 AM - 05:15 AM	52.4	57.2	-4.8	7.0	-	48.4	56.6	-8.2
05:15 AM - 05:20 AM	52.9	55.4	-2.5	7.0	-	48.9	53.8	-4.9
05:20 AM - 05:25 AM	55.0	55.0	0.0	7.0	-	51.0	53.0	-2.0
05:25 AM - 05:30 AM	57.3	55.6	1.7	4.5	-	55.8	52.6	3.2
05:30 AM - 05:35 AM	56.1	54.3	1.8	4.5	-	54.6	51.2	3.4
05:35 AM - 05:40 AM	56.0	52.1	3.9	2.0	-	57.0	50.2	6.8
05:40 AM - 05:45 AM	58.2	54.4	3.8	2.0	-	59.2	48.1	11.1
05:45 AM - 05:50 AM	56.4	50.3	6.1	1.5	-	57.9	47.1	10.8
05:50 AM - 05:55 AM	55.2	49.9	5.3	1.5	-	56.7	47.1	9.6
05:55 AM - 06:00 AM	54.9	50.2	4.7	1.5	-	56.4	47.0	9.4
06:00 AM - 07:00 AM	56.2	49.7	6.5	1.0	55.2	-	46.1	9.1
07:00 AM - 08:00 AM	55.8	50.6	5.2	1.5	54.3	-	46.5	7.8
08:00 AM - 09:00 AM	56.1	49.5	6.6	1.0	55.1	-	44.9	10.2
09:00 AM - 10:00 AM	55.7	50.7	5.0	1.5	54.2	-	43.4	10.8
10:00 AM - 11:00 AM	53.1	52.6	0.5	7.0	46.1	-	43.4	2.7
11:00 AM - 12:00 PM	53.4	49.7	3.7	2.0	51.4	-	42.0	9.4
12:00 PM - 01:00 PM	52.0	44.5	7.5	0.5	51.5	-	38.9	12.6
ค่ามาตรฐาน								≤ 10

Reference Method : Based on ISO 1996-1 and ISO 1996-2

มาตรฐาน

- ประกาศกระทรวงอุตสาหกรรม เรื่อง กำหนดค่าระดับเสียงการรบกวนและระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548
- ประกาศกรมโรงงานอุตสาหกรรม เรื่อง วิธีการตรวจวัดระดับเสียงรบกวน ระดับเสียงเฉลี่ย 24 ชั่วโมง และระดับเสียงสูงสุดที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2553
- ประกาศกระทรวงสาธารณสุข เรื่อง กำหนดค่ามาตรฐานมลพิษทางเสียงอันเกิดจากการประกอบกิจการที่เป็นอันตรายต่อสุขภาพ พ.ศ. 2561

ระดับเสียงพื้นฐานและระดับเสียงขณะไม่มีกิจกรรม (Sample No.2358336-16 วันที่ตรวจวัด 27-28 พฤษภาคม 2566)

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Approved by

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Analysis / Test Report



TESTING
No.0009

Client : Asia Industrial Estate Co., Ltd.
49 Soi Pipat (Silom 3) Asia Sermkij Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500

P/O : สัญญาจ้าง
Project Name : Project AIE (Suwanaphumi)
Project Location :

Lot ID: 2358316
Date Received : May 30, 2023
Date Reported : Jun 09, 2023
Report Number : 2678453-1

Page 1 of 3

Sample No. 2358316-13
Parameter เสียงรบกวน
Location N4 : โรงเรียนคลองเปิ้ง (เผือกบางนาบ้านใหม่) (GPS 47P 0704662, 1510422)
Measurement Date May 24 - 25, 2023
Measurement by Audit Aoonsim
Sound Level Meter 00572562

เวลา	ระดับเสียง (dB(A))				ปรับค่าเสียงจากแหล่งกำเนิด		เสียงพื้นฐาน	ค่าระดับการรบกวน
	(A) เสียงจากแหล่งกำเนิด	(B) เสียงขณะไม่มีกิจกรรม	(C) ผลต่างระดับเสียง	(D) ค่าปรับค่า	(E) กลางวัน	(F) กลางคืน		
01:00 PM - 02:00 PM	51.4	45.1	6.3	1.5	49.9	-	39.8	10.1
02:00 PM - 03:00 PM	51.0	46.1	4.9	1.5	49.5	-	40.7	8.8
03:00 PM - 04:00 PM	53.4	46.4	7.0	1.0	52.4	-	41.5	10.9
04:00 PM - 05:00 PM	54.9	46.5	8.4	0.5	54.4	-	42.4	12.0
05:00 PM - 06:00 PM	55.3	52.1	3.2	3.0	52.3	-	42.4	9.9
06:00 PM - 07:00 PM	56.7	48.6	8.1	0.5	56.2	-	41.3	14.9
07:00 PM - 08:00 PM	47.2	45.9	1.3	7.0	40.2	-	41.1	-0.9
08:00 PM - 09:00 PM	45.1	44.8	0.3	7.0	38.1	-	43.6	-5.5
09:00 PM - 10:00 PM	48.3	47.2	1.1	7.0	41.3	-	45.4	-4.1
10:00 PM - 10:05 PM	42.4	46.7	-4.3	7.0	-	38.4	45.8	-7.4
10:05 PM - 10:10 PM	43.2	46.8	-3.6	7.0	-	39.2	46.0	-6.8
10:10 PM - 10:15 PM	41.9	47.2	-5.3	7.0	-	37.9	46.1	-8.2
10:15 PM - 10:20 PM	41.8	47.7	-5.9	7.0	-	37.8	46.9	-9.1
10:20 PM - 10:25 PM	42.5	47.3	-4.8	7.0	-	38.5	46.6	-8.1
10:25 PM - 10:30 PM	43.0	47.8	-4.8	7.0	-	39.0	46.9	-7.9
10:30 PM - 10:35 PM	43.6	47.9	-4.3	7.0	-	39.6	47.2	-7.6
10:35 PM - 10:40 PM	42.1	47.9	-5.8	7.0	-	38.1	47.2	-9.1
10:40 PM - 10:45 PM	43.8	47.5	-3.7	7.0	-	39.8	46.7	-6.9
10:45 PM - 10:50 PM	52.3	47.0	5.3	1.5	-	53.8	45.9	7.9
10:50 PM - 10:55 PM	59.6	47.5	12.1	0.5	-	62.1	46.5	15.6
10:55 PM - 11:00 PM	61.5	48.2	13.3	0.0	-	64.5	47.4	17.1
11:00 PM - 11:05 PM	57.7	48.2	9.5	0.5	-	60.2	47.4	12.8
11:05 PM - 11:10 PM	55.3	47.7	7.6	0.5	-	57.8	46.9	10.9
11:10 PM - 11:15 PM	48.7	48.5	0.2	7.0	-	44.7	47.6	-2.9
11:15 PM - 11:20 PM	56.2	49.5	6.7	1.0	-	58.2	48.1	10.1
11:20 PM - 11:25 PM	51.6	48.9	2.7	3.0	-	51.6	48.1	3.5
11:25 PM - 11:30 PM	53.8	50.2	3.6	2.0	-	54.8	48.0	6.8
11:30 PM - 11:35 PM	54.0	48.3	5.7	1.5	-	55.5	47.5	8.0
11:35 PM - 11:40 PM	53.9	49.3	4.6	1.5	-	55.4	47.9	7.5
11:40 PM - 11:45 PM	49.7	48.1	1.6	4.5	-	48.2	47.2	1.0
11:45 PM - 11:50 PM	56.9	48.0	8.9	0.5	-	59.4	47.2	12.2
11:50 PM - 11:55 PM	50.2	48.4	1.8	4.5	-	48.7	47.3	1.4
11:55 PM - 12:00 AM	51.0	49.3	1.7	4.5	-	49.5	47.5	2.0
12:00 AM - 12:05 AM	50.0	49.9	0.1	7.0	-	46.0	48.2	-2.2
12:05 AM - 12:10 AM	50.4	50.4	0.0	7.0	-	46.4	48.1	-1.7
12:10 AM - 12:15 AM	50.3	47.6	2.7	3.0	-	50.3	46.8	3.5
12:15 AM - 12:20 AM	50.8	48.3	2.5	3.0	-	50.8	47.2	3.6
12:20 AM - 12:25 AM	51.3	47.5	3.8	2.0	-	52.3	46.8	5.5
12:25 AM - 12:30 AM	52.1	47.5	4.6	1.5	-	53.6	46.8	6.8
12:30 AM - 12:35 AM	51.5	47.5	4.0	2.0	-	52.5	46.8	5.7

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Analysis / Test Report



TESTING
No.0009

Client : Asia Industrial Estate Co., Ltd.

49 Soi Pipat (Silom 3) Asia Sermkij Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500

P/O : สัญญาจ้าง

Project Name : Project AIE (Suwanaphumi)

Project Location :

Lot ID: 2358316

Date Received : May 30, 2023

Date Reported : Jun 09, 2023

Report Number : 2678453-1

Page 2 of 3

Sample No. 2358316-13
Parameter เสียงรบกวน
Location N4 : โรงเรียนคลองเปรม (เขตกองนาฬาริม) (GPS 47P 0704662, 1510422)
Measurement Date May 24 - 25, 2023
Measurement by Autit Aoonsim
Sound Level Meter 00572562

ระดับเสียง (dB(A))								
เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีกิจกรรม	ผลต่างระดับเสียง	ตัวปรับค่า	ปรับค่าเสียงจากแหล่งกำเนิด		เสียงพื้นฐาน	ค่าระดับการรบกวน
					กลางวัน (A1)	กลางคืน (A2)		
12:35 AM - 12:40 AM	50.4	47.9	2.5	3.0	-	50.4	47.0	3.4
12:40 AM - 12:45 AM	53.0	49.4	3.6	2.0	-	54.0	46.7	7.3
12:45 AM - 12:50 AM	53.2	54.1	-0.9	7.0	-	49.2	47.3	1.9
12:50 AM - 12:55 AM	53.7	47.6	6.1	1.5	-	55.2	45.7	9.5
12:55 AM - 01:00 AM	54.6	46.9	7.7	0.5	-	57.1	44.9	12.2
01:00 AM - 01:05 AM	54.5	48.1	6.4	1.5	-	56.0	44.6	11.4
01:05 AM - 01:10 AM	54.7	49.5	5.2	1.5	-	56.2	44.0	12.2
01:10 AM - 01:15 AM	56.1	50.4	5.7	1.5	-	57.6	43.8	13.8
01:15 AM - 01:20 AM	56.4	48.1	8.3	0.5	-	58.9	43.5	15.4
01:20 AM - 01:25 AM	57.4	47.8	9.6	0.5	-	59.9	43.9	16.0
01:25 AM - 01:30 AM	56.6	59.3	-2.7	7.0	-	52.6	44.2	8.4
01:30 AM - 01:35 AM	56.2	50.0	6.2	1.5	-	57.7	43.7	14.0
01:35 AM - 01:40 AM	55.9	58.1	-2.2	7.0	-	51.9	44.3	7.6
01:40 AM - 01:45 AM	60.0	58.9	1.1	7.0	-	56.0	45.6	10.4
01:45 AM - 01:50 AM	67.2	46.7	20.5	0.0	-	70.2	40.4	29.8
01:50 AM - 01:55 AM	74.7	54.6	20.1	0.0	-	77.7	40.1	37.6
01:55 AM - 02:00 AM	66.2	54.0	12.2	0.5	-	68.7	45.6	23.1
02:00 AM - 02:05 AM	65.2	54.7	10.5	0.5	-	67.7	48.1	19.6
02:05 AM - 02:10 AM	61.7	48.3	13.4	0.0	-	64.7	43.2	21.5
02:10 AM - 02:15 AM	64.5	47.7	16.8	0.0	-	67.5	40.7	26.8
02:15 AM - 02:20 AM	64.1	44.9	19.2	0.0	-	67.1	40.4	26.7
02:20 AM - 02:25 AM	61.6	46.3	15.3	0.0	-	64.6	41.6	23.0
02:25 AM - 02:30 AM	55.1	44.9	10.2	0.5	-	57.6	39.5	18.1
02:30 AM - 02:35 AM	54.2	44.1	10.1	0.5	-	56.7	39.9	16.8
02:35 AM - 02:40 AM	52.2	45.7	6.5	1.0	-	54.2	41.3	12.9
02:40 AM - 02:45 AM	53.0	47.1	5.9	1.5	-	54.5	43.8	10.7
02:45 AM - 02:50 AM	51.9	46.4	5.5	1.5	-	53.4	44.3	9.1
02:50 AM - 02:55 AM	52.2	48.3	3.9	2.0	-	53.2	44.6	8.6
02:55 AM - 03:00 AM	51.5	45.4	6.1	1.5	-	53.0	44.6	8.4
03:00 AM - 03:05 AM	51.9	44.1	7.8	0.5	-	54.4	39.7	14.7
03:05 AM - 03:10 AM	49.4	47.2	2.2	4.5	-	47.9	40.2	7.7
03:10 AM - 03:15 AM	50.6	48.6	2.0	4.5	-	49.1	45.7	3.4
03:15 AM - 03:20 AM	50.8	49.3	1.5	4.5	-	49.3	45.5	3.8
03:20 AM - 03:25 AM	50.5	46.2	4.3	2.0	-	51.5	45.4	6.1
03:25 AM - 03:30 AM	49.8	46.8	3.0	3.0	-	49.8	45.9	3.9
03:30 AM - 03:35 AM	50.3	46.1	4.2	2.0	-	51.3	45.4	5.9
03:35 AM - 03:40 AM	47.1	46.7	0.4	7.0	-	43.1	45.9	-2.8
03:40 AM - 03:45 AM	47.5	47.1	0.4	7.0	-	43.5	45.9	-2.4
03:45 AM - 03:50 AM	47.0	44.4	2.6	3.0	-	47.0	43.1	3.9
03:50 AM - 03:55 AM	44.5	45.8	-1.3	7.0	-	40.5	43.0	-2.5

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Analysis / Test Report



TESTING
No.0009

Client : Asia Industrial Estate Co., Ltd.

49 Soi Pipat (Silom 3) Asia Sermkij Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500

P/O : สัญญาจ้าง

Project Name : Project AIE (Suwanaphumi)

Project Location :

Lot ID: 2358316

Date Received : May 30, 2023

Date Reported : Jun 09, 2023

Report Number : 2678453-1

Page 3 of 3

Sample No. 2358316-13
Parameter เสียงรบกวน
Location N4 : โรงเรียนคลองเปรม (เขตกองนาฬาริม) (GPS 47P 0704662, 1510422)
Measurement Date May 24 - 25, 2023
Measurement by Autit Aoonsim
Sound Level Meter 00572562

ระดับเสียง (dB(A))								
เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีกิจกรรม	ผลต่างระดับเสียง	ตัวปรับค่า	ปรับค่าเสียงจากแหล่งกำเนิด		เสียงพื้นฐาน	ค่าระดับการรบกวน
					กลางวัน (A1)	กลางคืน (A2)		
03:55 AM - 04:00 AM	44.6	44.0	0.6	7.0	-	40.6	43.3	-2.7
04:00 AM - 04:05 AM	45.0	43.5	1.5	4.5	-	43.5	43.0	0.5
04:05 AM - 04:10 AM	45.0	46.7	-1.7	7.0	-	41.0	43.7	-2.7
04:10 AM - 04:15 AM	45.0	45.6	-0.6	7.0	-	41.0	43.5	-2.5
04:15 AM - 04:20 AM	45.0	48.9	-3.9	7.0	-	41.0	43.4	-2.4
04:20 AM - 04:25 AM	45.4	43.8	1.6	4.5	-	43.9	42.8	1.1
04:25 AM - 04:30 AM	44.9	46.5	-1.6	7.0	-	40.9	43.0	-2.1
04:30 AM - 04:35 AM	44.4	45.6	-1.2	7.0	-	40.4	44.4	-4.0
04:35 AM - 04:40 AM	51.3	46.2	5.1	1.5	-	52.8	44.4	8.4
04:40 AM - 04:45 AM	44.6	46.1	-1.5	7.0	-	40.6	44.8	-4.2
04:45 AM - 04:50 AM	44.7	46.9	-2.2	7.0	-	40.7	45.7	-5.0
04:50 AM - 04:55 AM	49.2	48.2	1.0	7.0	-	45.2	45.6	-0.4
04:55 AM - 05:00 AM	46.1	48.3	-2.2	7.0	-	42.1	46.0	-3.9
05:00 AM - 05:05 AM	46.3	47.8	-1.5	7.0	-	42.3	46.5	-4.2
05:05 AM - 05:10 AM	47.0	46.8	0.2	7.0	-	43.0	46.1	-3.1
05:10 AM - 05:15 AM	49.5	47.5	2.0	4.5	-	48.0	45.9	2.1
05:15 AM - 05:20 AM	45.6	48.9	-3.3	7.0	-	41.6	46.5	-4.9
05:20 AM - 05:25 AM	46.2	53.8	-7.6	7.0	-	42.2	48.4	-6.2
05:25 AM - 05:30 AM	47.2	51.5	-4.3	7.0	-	43.2	47.5	-4.3
05:30 AM - 05:35 AM	49.4	53.1	-3.7	7.0	-	45.4	48.2	-2.8
05:35 AM - 05:40 AM	50.9	62.4	-11.5	7.0	-	46.9	48.8	-1.9
05:40 AM - 05:45 AM	50.4	50.3	0.1	7.0	-	46.4	47.3	-0.9
05:45 AM - 05:50 AM	52.2	54.3	-2.1	7.0	-	48.2	46.5	1.7
05:50 AM - 05:55 AM	56.3	50.3	6.0	1.5	-	57.8	47.3	10.5
05:55 AM - 06:00 AM	56.9	49.3	7.6	0.5	-	59.4	45.5	13.9
06:00 AM - 07:00 AM	55.7	50.6	5.1	1.5	54.2	-	46.5	7.7
07:00 AM - 08:00 AM	54.5	52.6	1.9	4.5	50.0	-	47.7	2.3
08:00 AM - 09:00 AM	53.7	52.0	1.7	4.5	49.2	-	45.2	4.0
09:00 AM - 10:00 AM	52.1	47.7	4.4	2.0	50.1	-	41.5	8.6
10:00 AM - 11:00 AM	51.3	49.4	1.9	4.5	46.8	-	45.7	1.1
11:00 AM - 12:00 PM	53.8	47.0	6.8	1.0	52.8	-	41.2	11.6
12:00 PM - 01:00 PM	51.4	47.7	3.7	2.0	49.4	-	41.5	7.9

ค่ามาตรฐาน

Reference Method : Based on ISO 1996-1 and ISO 1996-2

มาตรฐาน

- ประกาศกระทรวงอุตสาหกรรม เรื่อง กำหนดค่าระดับเสียงการรบกวนและระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548
- ประกาศกระทรวงอุตสาหกรรม เรื่อง วิธีการตรวจวัดระดับเสียงรบกวน ระดับเสียงเฉลี่ย 24 ชั่วโมง และระดับเสียงสูงสุดที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2553
- ประกาศกระทรวงสาธารณสุข เรื่อง กำหนดค่ามาตรฐานระดับเสียงที่เกิดจากการประกอบกิจการที่เป็นอันตรายต่อสุขภาพ พ.ศ. 2561

ระดับเสียงจากแหล่งกำเนิด ท่าอากาศยาน วันที่ 24-25 พฤษภาคม 2566

ระดับเสียงพื้นฐานและระดับเสียงขณะไม่มีกิจกรรม (Sample No.2358336-13 วันที่ตรวจวัด 24-25 พฤษภาคม 2566)

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Analysis / Test Report



TESTING
No.0009

Client : Asia Industrial Estate Co., Ltd.

49 Soi Pipat (Silom 3) Asia Sermkij Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500

P/O : สัตยาจำ

Project Name : Project AIE (Suwanaphumi)

Project Location :

Lot ID: 2358316

Date Received : May 30, 2023

Date Reported : Jun 09, 2023

Report Number : 2678454-1

Page 1 of 3

Sample No. 2358316-14
Parameter เสียงรบกวน
Location N4 : โรงเรียนคลองเปิ้ง (เขื่อนบางนาท่าใหม่) (GPS 47P 0704662, 1510422)
Measurement Date May 25 - 26, 2023
Measurement by Autit Aoonsim
Sound Level Meter 00572562

ระดับเสียง (dB(A))								
เวลา	(A)	(B)	(A+B)	(C)	(D)		(E)	
	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	ผลต่างระดับเสียง	ตัวปรับค่า	ปรับค่าเสียงจากแหล่งกำเนิดกลางคืน	เสียงพื้นฐาน		
					กลางวัน (A+C)	กลางคืน (A+C-1)		ค่าระดับการรบกวน
01:00 PM - 02:00 PM	54.7	48.9	5.8	1.5	53.2	-	42.4	10.8
02:00 PM - 03:00 PM	48.3	46.9	1.4	7.0	41.3	-	42.2	-0.9
03:00 PM - 04:00 PM	50.3	48.3	2.0	4.5	45.8	-	42.9	2.9
04:00 PM - 05:00 PM	48.9	47.8	1.1	7.0	41.9	-	42.9	-1.0
05:00 PM - 06:00 PM	53.6	48.8	4.8	1.5	52.1	-	43.0	9.1
06:00 PM - 07:00 PM	51.5	53.5	-2.0	7.0	44.5	-	42.5	2.0
07:00 PM - 08:00 PM	57.7	46.1	11.6	0.5	57.2	-	43.6	13.6
08:00 PM - 09:00 PM	52.7	48.8	3.9	2.0	50.7	-	48.0	2.7
09:00 PM - 10:00 PM	47.1	48.1	-1.0	7.0	40.1	-	47.0	-6.9
10:00 PM - 10:05 PM	47.8	47.8	0.0	7.0	-	43.8	47.2	-3.4
10:05 PM - 10:10 PM	49.1	48.1	1.0	7.0	-	45.1	47.3	-2.2
10:10 PM - 10:15 PM	48.5	48.3	0.2	7.0	-	44.5	47.6	-3.1
10:15 PM - 10:20 PM	48.7	51.1	-2.4	7.0	-	44.7	47.5	-2.8
10:20 PM - 10:25 PM	49.7	48.3	1.4	7.0	-	45.7	47.5	-1.8
10:25 PM - 10:30 PM	50.9	48.3	2.6	3.0	-	50.9	47.1	3.8
10:30 PM - 10:35 PM	49.7	48.2	1.5	4.5	-	48.2	47.1	1.1
10:35 PM - 10:40 PM	52.5	48.1	4.4	2.0	-	53.5	47.4	6.1
10:40 PM - 10:45 PM	52.1	49.6	2.5	3.0	-	52.1	46.7	5.4
10:45 PM - 10:50 PM	52.0	47.9	4.1	2.0	-	53.0	47.1	5.9
10:50 PM - 10:55 PM	51.3	48.3	3.0	3.0	-	51.3	47.3	4.0
10:55 PM - 11:00 PM	50.8	49.6	1.2	7.0	-	46.8	47.6	-0.8
11:00 PM - 11:05 PM	50.6	47.6	3.0	3.0	-	50.6	46.7	3.9
11:05 PM - 11:10 PM	50.3	47.8	2.5	3.0	-	50.3	47.1	3.2
11:10 PM - 11:15 PM	51.3	47.8	3.5	2.0	-	52.3	46.9	5.4
11:15 PM - 11:20 PM	63.0	47.8	15.2	0.0	-	66.0	46.9	19.1
11:20 PM - 11:25 PM	51.2	47.6	3.6	2.0	-	52.2	46.6	5.6
11:25 PM - 11:30 PM	51.8	47.2	4.6	1.5	-	53.3	46.2	7.1
11:30 PM - 11:35 PM	52.3	47.2	5.1	1.5	-	53.8	46.4	7.4
11:35 PM - 11:40 PM	51.5	47.1	4.4	2.0	-	52.5	46.3	6.2
11:40 PM - 11:45 PM	52.4	47.1	5.3	1.5	-	53.9	45.7	8.2
11:45 PM - 11:50 PM	51.1	47.2	3.9	2.0	-	52.1	46.3	5.8
11:50 PM - 11:55 PM	50.9	51.2	-0.3	7.0	-	46.9	46.8	0.1
11:55 PM - 12:00 AM	64.0	47.6	16.4	0.0	-	67.0	46.8	20.2
12:00 AM - 12:05 AM	52.6	47.3	5.3	1.5	-	54.1	46.4	7.7
12:05 AM - 12:10 AM	52.3	47.2	5.1	1.5	-	53.8	46.4	7.4
12:10 AM - 12:15 AM	51.2	47.5	3.7	2.0	-	52.2	46.7	5.5
12:15 AM - 12:20 AM	47.3	47.6	-0.3	7.0	-	43.3	46.5	-3.2
12:20 AM - 12:25 AM	49.3	47.7	1.6	4.5	-	47.8	46.6	1.2
12:25 AM - 12:30 AM	49.9	48.0	1.9	4.5	-	48.4	47.1	1.3
12:30 AM - 12:35 AM	49.0	47.7	1.3	7.0	-	45.0	45.2	-0.2

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Analysis / Test Report



TESTING
No.0009

Client : Asia Industrial Estate Co., Ltd.

49 Soi Pipat (Silom 3) Asia Sermkij Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500

P/O : สัตยาจำ

Project Name : Project AIE (Suwanaphumi)

Project Location :

Lot ID: 2358316

Date Received : May 30, 2023

Date Reported : Jun 09, 2023

Report Number : 2678454-1

Page 2 of 3

Sample No. 2358316-14
Parameter เสียงรบกวน
Location N4 : โรงเรียนคลองเปิ้ง (เขื่อนบางนาท่าใหม่) (GPS 47P 0704662, 1510422)
Measurement Date May 25 - 26, 2023
Measurement by Autit Aoonsim
Sound Level Meter 00572562

เวลา	ระดับเสียง (dB(A))							ค่าระดับ การรบกวน
	เสียงจาก แหล่งกำเนิด	เสียงขณะ ไม่มีการทวน	ผลต่าง ระหว่างเสียง	ตัวปรับค่า (A/C)	ปรับค่าเสียงจากแหล่งกำเนิด		เสียงพื้นฐาน	
					กลางวัน (A+C)	กลางคืน (A/CN)		
12:35 AM - 12:40 AM	48.6	47.5	1.1	7.0	-	44.6	45.2	-0.6
12:40 AM - 12:45 AM	48.7	48.4	0.3	7.0	-	44.7	47.3	-2.6
12:45 AM - 12:50 AM	48.5	48.5	0.0	7.0	-	44.5	47.4	-2.9
12:50 AM - 12:55 AM	49.5	48.5	1.0	7.0	-	45.5	47.6	-2.1
12:55 AM - 01:00 AM	48.6	47.2	1.4	7.0	-	44.6	45.5	-0.9
01:00 AM - 01:05 AM	47.8	45.8	2.0	4.5	-	46.3	44.9	1.4
01:05 AM - 01:10 AM	48.7	45.4	3.3	3.0	-	48.7	44.5	4.2
01:10 AM - 01:15 AM	46.6	46.2	0.4	7.0	-	42.6	45.2	-2.6
01:15 AM - 01:20 AM	52.8	46.3	6.5	1.0	-	54.8	45.4	9.4
01:20 AM - 01:25 AM	48.5	46.5	2.0	4.5	-	47.0	45.5	1.5
01:25 AM - 01:30 AM	52.5	46.5	6.0	1.5	-	54.0	45.5	8.5
01:30 AM - 01:35 AM	60.7	46.3	14.4	0.0	-	63.7	45.3	18.4
01:35 AM - 01:40 AM	46.7	46.9	-0.2	7.0	-	42.7	45.0	-2.3
01:40 AM - 01:45 AM	46.6	45.2	1.4	7.0	-	42.6	43.2	-0.6
01:45 AM - 01:50 AM	46.1	45.3	0.8	7.0	-	42.1	43.4	-1.3
01:50 AM - 01:55 AM	46.2	44.4	1.8	4.5	-	44.7	43.1	1.6
01:55 AM - 02:00 AM	46.1	47.6	-1.5	7.0	-	42.1	45.5	-3.4
02:00 AM - 02:05 AM	55.1	48.8	6.3	1.5	-	56.6	45.6	11.0
02:05 AM - 02:10 AM	60.4	48.3	12.1	0.5	-	62.9	44.9	18.0
02:10 AM - 02:15 AM	69.1	47.5	21.6	0.0	-	72.1	44.7	27.4
02:15 AM - 02:20 AM	56.8	49.3	7.5	0.5	-	59.3	46.8	12.5
02:20 AM - 02:25 AM	53.3	48.7	4.6	1.5	-	54.8	47.1	7.7
02:25 AM - 02:30 AM	44.0	49.4	-5.4	7.0	-	40.0	48.1	-8.1
02:30 AM - 02:35 AM	45.3	49.2	-3.9	7.0	-	41.3	47.9	-6.6
02:35 AM - 02:40 AM	46.4	48.7	-2.3	7.0	-	42.4	47.5	-5.1
02:40 AM - 02:45 AM	47.3	46.9	0.4	7.0	-	43.3	43.8	-0.5
02:45 AM - 02:50 AM	54.9	44.0	10.9	0.5	-	57.4	42.5	14.9
02:50 AM - 02:55 AM	44.8	45.3	-0.5	7.0	-	40.8	44.2	-3.4
02:55 AM - 03:00 AM	44.0	45.7	-1.7	7.0	-	40.0	44.1	-4.1
03:00 AM - 03:05 AM	45.8	52.0	-6.2	7.0	-	41.8	45.2	-3.4
03:05 AM - 03:10 AM	46.2	47.4	-1.2	7.0	-	42.2	45.0	-2.8
03:10 AM - 03:15 AM	47.7	46.5	1.2	7.0	-	43.7	45.3	-1.6
03:15 AM - 03:20 AM	58.1	48.9	9.2	0.5	-	60.6	46.0	14.6
03:20 AM - 03:25 AM	56.3	50.1	6.2	1.5	-	57.8	48.8	9.0
03:25 AM - 03:30 AM	63.6	50.3	13.3	0.0	-	66.6	49.2	17.4
03:30 AM - 03:35 AM	59.7	51.4	8.3	0.5	-	62.2	49.4	12.8
03:35 AM - 03:40 AM	49.9	50.5	-0.6	7.0	-	45.9	49.4	-3.5
03:40 AM - 03:45 AM	62.9	54.0	8.9	0.5	-	65.4	49.2	16.2
03:45 AM - 03:50 AM	59.9	52.8	7.1	1.0	-	61.9	48.2	13.7
03:50 AM - 03:55 AM	64.4	50.2	14.2	0.0	-	67.4	48.1	19.3

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Analysis / Test Report



TESTING
No.0009

Client : Asia Industrial Estate Co., Ltd.

49 Soi Pipat (Silom 3) Asia Sermkij Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500

P/O : สัญญาจ้าง

Project Name : Project AIE (Suwanaphumi)

Project Location :

Lot ID: 2358316

Date Received : May 30, 2023

Date Reported : Jun 09, 2023

Report Number : 2678454-1

Page 3 of 3

Sample No. 2358316-14
Parameter เสียงรบกวน
Location N4 : โรงเรียนคลองเบิ่ง (เขื่อนบางนาบ้านใหม่) (GPS 47P 0704662, 1510422)
Measurement Date May 25 - 26, 2023
Measurement by Audit Aoonsim
Sound Level Meter 00572562

เวลา	ระดับเสียง (dB(A))						
	(A)	(B)	(C)	(D)	(E)		(F)
					ปรับค่าเสียงจากแหล่งกำเนิด	เสียงพื้นฐาน	
	แหล่งกำเนิด	ไม่มีการรบกวน	ผลต่าง	ตัวปรับค่า	กลางวัน (A/C)	กลางคืน (A/C+3)	การรบกวน
03:55 AM - 04:00 AM	45.0	49.9	-4.9	7.0	-	41.0	47.9
04:00 AM - 04:05 AM	44.0	49.7	-5.7	7.0	-	40.0	47.5
04:05 AM - 04:10 AM	45.7	50.3	-4.6	7.0	-	41.7	48.7
04:10 AM - 04:15 AM	43.8	50.0	-6.2	7.0	-	39.8	47.0
04:15 AM - 04:20 AM	44.2	51.5	-7.3	7.0	-	40.2	50.4
04:20 AM - 04:25 AM	45.1	51.4	-6.3	7.0	-	41.1	50.1
04:25 AM - 04:30 AM	45.4	52.4	-7.0	7.0	-	41.4	50.5
04:30 AM - 04:35 AM	45.8	51.7	-5.9	7.0	-	41.8	50.0
04:35 AM - 04:40 AM	51.1	51.2	-0.1	7.0	-	47.1	49.5
04:40 AM - 04:45 AM	44.5	51.9	-7.4	7.0	-	40.5	50.5
04:45 AM - 04:50 AM	43.8	51.6	-7.8	7.0	-	39.8	50.0
04:50 AM - 04:55 AM	44.9	51.8	-6.9	7.0	-	40.9	50.4
04:55 AM - 05:00 AM	47.3	52.4	-5.1	7.0	-	43.3	49.7
05:00 AM - 05:05 AM	60.2	52.9	7.3	1.0	-	62.2	49.7
05:05 AM - 05:10 AM	46.3	50.0	-3.7	7.0	-	42.3	47.8
05:10 AM - 05:15 AM	55.2	50.3	4.9	1.5	-	56.7	48.0
05:15 AM - 05:20 AM	42.8	51.9	-9.1	7.0	-	38.8	50.0
05:20 AM - 05:25 AM	42.7	52.7	-10.0	7.0	-	38.7	50.9
05:25 AM - 05:30 AM	46.4	53.2	-6.8	7.0	-	42.4	51.2
05:30 AM - 05:35 AM	51.8	51.8	0.0	7.0	-	47.8	48.4
05:35 AM - 05:40 AM	53.5	50.6	2.9	3.0	-	53.5	48.1
05:40 AM - 05:45 AM	52.8	49.9	2.9	3.0	-	52.8	46.9
05:45 AM - 05:50 AM	58.6	54.5	4.1	2.0	-	59.6	48.4
05:50 AM - 05:55 AM	59.1	53.3	5.8	1.5	-	60.6	48.5
05:55 AM - 06:00 AM	56.5	50.8	5.7	1.5	-	58.0	48.0
06:00 AM - 07:00 AM	54.0	51.6	2.4	4.5	49.5	-	47.8
07:00 AM - 08:00 AM	56.5	49.5	7.0	1.0	55.5	-	44.7
08:00 AM - 09:00 AM	54.4	50.3	4.1	2.0	52.4	-	46.3
09:00 AM - 10:00 AM	53.2	51.9	1.3	7.0	46.2	-	47.2
10:00 AM - 11:00 AM	51.4	50.6	0.8	7.0	44.4	-	45.3
11:00 AM - 12:00 PM	52.6	55.5	-2.9	7.0	45.6	-	45.0
12:00 PM - 01:00 PM	48.7	47.5	1.2	7.0	41.7	-	43.3
ค่ามาตรฐาน							≤ 10

Reference Method : Based on ISO 1996-1 and ISO 1996-2

มาตรฐาน

- ประกาศกระทรวงอุตสาหกรรม เรื่อง กำหนดค่าระดับเสียงการรบกวนและระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548
- ประกาศกรมโรงงานอุตสาหกรรม เรื่อง วิธีการตรวจวัดระดับเสียงรบกวน ระดับเสียงเฉลี่ย 24 ชั่วโมง และระดับเสียงสูงสุดที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2553
- ประกาศกระทรวงสาธารณสุข เรื่อง กำหนดค่ามาตรฐานมลพิษทางเสียงอันเกิดจากการประกอบกิจการที่เป็นอันตรายต่อสุขภาพ พ.ศ. 2561

ระดับเสียงพื้นฐานและระดับเสียงขณะไม่มีการรบกวน (Sample No.2358336-14 วันที่ตรวจวัด 25-26 พฤษภาคม 2566)

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Analysis / Test Report



TESTING
No.0009

Client : Asia Industrial Estate Co., Ltd.

49 Soi Pipat (Silom 3) Asia Sermkij Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500

P/O : สัญญาจ้าง

Project Name : Project AIE (Suwanaphumi)

Project Location :

Lot ID: 2358316

Date Received : May 30, 2023

Date Reported : Jun 09, 2023

Report Number : 2678455-1

Page 1 of 3

Sample No. 2358316-15
Parameter เสียงรบกวน
Location N4 : โรงเรียนคลองเบิ่ง (เขื่อนบางนาบ้านใหม่) (GPS 47P 0704662, 1510422)
Measurement Date May 26 - 27, 2023
Measurement by Audit Aoonsim
Sound Level Meter 00572562

เวลา	ระดับเสียง (dB(A))						
	(A)	(B)	(C)	(D)	(E)		(F)
					ปรับค่าเสียงจากแหล่งกำเนิด	เสียงพื้นฐาน	
	แหล่งกำเนิด	ไม่มีการรบกวน	ผลต่าง	ตัวปรับค่า	กลางวัน (A/C)	กลางคืน (A/C+3)	การรบกวน
01:00 PM - 02:00 PM	55.9	48.1	7.8	0.5	55.4	-	43.8
02:00 PM - 03:00 PM	51.0	47.6	3.4	3.0	48.0	-	42.4
03:00 PM - 04:00 PM	51.9	47.5	4.4	2.0	49.9	-	41.3
04:00 PM - 05:00 PM	52.3	46.4	5.9	1.5	50.8	-	41.9
05:00 PM - 06:00 PM	52.9	47.0	5.9	1.5	51.4	-	40.6
06:00 PM - 07:00 PM	54.1	46.1	8.0	0.5	53.6	-	41.0
07:00 PM - 08:00 PM	48.6	47.6	1.0	7.0	41.6	-	45.7
08:00 PM - 09:00 PM	50.3	47.9	2.4	4.5	45.8	-	46.7
09:00 PM - 10:00 PM	45.2	47.3	-2.1	7.0	38.2	-	43.5
10:00 PM - 10:05 PM	42.8	50.9	-8.1	7.0	-	38.8	43.0
10:05 PM - 10:10 PM	46.0	44.7	1.3	7.0	-	42.0	42.1
10:10 PM - 10:15 PM	44.8	44.6	0.2	7.0	-	40.8	42.2
10:15 PM - 10:20 PM	43.2	51.0	-7.8	7.0	-	39.2	43.6
10:20 PM - 10:25 PM	43.9	54.7	-10.8	7.0	-	39.9	44.1
10:25 PM - 10:30 PM	43.9	46.3	-2.4	7.0	-	39.9	43.3
10:30 PM - 10:35 PM	43.4	46.2	-2.8	7.0	-	39.4	43.3
10:35 PM - 10:40 PM	44.6	49.2	-4.6	7.0	-	40.6	43.4
10:40 PM - 10:45 PM	44.9	43.9	1.0	7.0	-	40.9	42.3
10:45 PM - 10:50 PM	44.8	44.4	0.4	7.0	-	40.8	42.9
10:50 PM - 10:55 PM	45.0	45.4	-0.4	7.0	-	41.0	43.2
10:55 PM - 11:00 PM	45.6	46.0	-0.4	7.0	-	41.6	43.2
11:00 PM - 11:05 PM	44.3	45.9	-1.6	7.0	-	40.3	44.1
11:05 PM - 11:10 PM	43.6	44.9	-1.3	7.0	-	39.6	43.5
11:10 PM - 11:15 PM	43.2	44.6	-1.4	7.0	-	39.2	42.9
11:15 PM - 11:20 PM	43.5	45.7	-2.2	7.0	-	39.5	43.4
11:20 PM - 11:25 PM	43.4	45.7	-2.3	7.0	-	39.4	43.5
11:25 PM - 11:30 PM	44.0	44.6	-0.6	7.0	-	40.0	43.2
11:30 PM - 11:35 PM	44.2	47.7	-3.5	7.0	-	40.2	43.4
11:35 PM - 11:40 PM	44.0	44.3	-0.3	7.0	-	40.0	42.3
11:40 PM - 11:45 PM	44.3	44.4	-0.1	7.0	-	40.3	42.6
11:45 PM - 11:50 PM	45.1	45.4	-0.3	7.0	-	41.1	43.1
11:50 PM - 11:55 PM	43.6	45.3	-1.7	7.0	-	39.6	43.0
11:55 PM - 12:00 AM	44.5	46.1	-1.6	7.0	-	40.5	41.8
12:00 AM - 12:05 AM	45.3	44.6	0.7	7.0	-	41.3	42.2
12:05 AM - 12:10 AM	43.0	43.3	-0.3	7.0	-	39.0	41.0
12:10 AM - 12:15 AM	44.4	44.1	0.3	7.0	-	40.4	41.0
12:15 AM - 12:20 AM	44.1	42.0	2.1	4.5	-	42.6	41.1
12:20 AM - 12:25 AM	44.6	42.6	2.0	4.5	-	43.1	41.2
12:25 AM - 12:30 AM	43.6	43.9	-0.3	7.0	-	39.6	42.0
12:30 AM - 12:35 AM	45.0	44.4	0.6	7.0	-	41.0	42.3

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Analysis / Test Report



TESTING
No.0009

Client : Asia Industrial Estate Co., Ltd.

49 Soi Pipat (Silom 3) Asia Sermkij Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500

P/O : สัญญาจ้าง

Project Name : Project AIE (Suwanaphumi)

Project Location :

Lot ID: 2358316

Date Received : May 30, 2023

Date Reported : Jun 09, 2023

Report Number : 2678455-1

Page 2 of 3

Sample No. 2358316-15
Parameter เสียงรบกวน
Location N4 : โรงเรียนคลองเปรม (เขื่อนบางนาท่าใหม่) (GPS 47P 0704662, 1510422)
Measurement Date May 26 - 27, 2023
Measurement by Autit Aoonsim
Sound Level Meter 00572562

ระดับเสียง (dB(A))							
เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีกิจกรรม	ผลต่างระดับเสียง	ตัวปรับค่า	ปรับค่าเสียงจากแหล่งกำเนิด		ค่าระดับการรบกวน
					กลางวัน (A/C)	กลางคืน (A/C+3)	
12:35 AM - 12:40 AM	42.9	46.5	-3.6	7.0	-	38.9	42.0
12:40 AM - 12:45 AM	42.6	42.9	-0.3	7.0	-	38.6	41.2
12:45 AM - 12:50 AM	43.2	43.3	-0.1	7.0	-	39.2	41.7
12:50 AM - 12:55 AM	58.3	43.4	14.9	0.0	-	61.3	42.1
12:55 AM - 01:00 AM	42.7	42.5	0.2	7.0	-	38.7	41.6
01:00 AM - 01:05 AM	43.7	44.2	-0.5	7.0	-	39.7	42.5
01:05 AM - 01:10 AM	48.2	43.5	4.7	1.5	-	49.7	41.7
01:10 AM - 01:15 AM	44.4	50.1	-5.7	7.0	-	40.4	42.2
01:15 AM - 01:20 AM	43.1	44.1	-1.0	7.0	-	39.1	40.4
01:20 AM - 01:25 AM	41.2	41.6	-0.4	7.0	-	37.2	40.3
01:25 AM - 01:30 AM	56.8	43.4	13.4	0.0	-	59.8	41.5
01:30 AM - 01:35 AM	40.3	44.2	-3.9	7.0	-	36.3	42.3
01:35 AM - 01:40 AM	53.7	45.4	8.3	0.5	-	56.2	42.9
01:40 AM - 01:45 AM	54.3	43.3	11.0	0.5	-	56.8	40.4
01:45 AM - 01:50 AM	53.1	41.6	11.5	0.5	-	55.6	39.8
01:50 AM - 01:55 AM	57.6	42.9	14.7	0.0	-	60.6	40.6
01:55 AM - 02:00 AM	42.6	41.5	1.1	7.0	-	38.6	40.7
02:00 AM - 02:05 AM	58.8	41.2	17.6	0.0	-	61.8	39.9
02:05 AM - 02:10 AM	60.0	41.6	18.4	0.0	-	63.0	39.1
02:10 AM - 02:15 AM	60.0	45.5	14.5	0.0	-	63.0	39.9
02:15 AM - 02:20 AM	64.1	48.0	16.1	0.0	-	67.1	39.7
02:20 AM - 02:25 AM	57.3	44.8	12.5	0.0	-	60.3	39.2
02:25 AM - 02:30 AM	50.3	43.4	6.9	1.0	-	52.3	39.3
02:30 AM - 02:35 AM	46.4	49.7	-3.3	7.0	-	42.4	41.4
02:35 AM - 02:40 AM	53.1	54.5	-1.4	7.0	-	49.1	41.5
02:40 AM - 02:45 AM	56.1	48.3	7.8	0.5	-	58.6	43.4
02:45 AM - 02:50 AM	54.9	51.5	3.4	3.0	-	54.9	46.6
02:50 AM - 02:55 AM	55.2	65.4	-10.2	7.0	-	51.2	44.4
02:55 AM - 03:00 AM	79.9	49.5	30.4	0.0	-	82.9	44.5
03:00 AM - 03:05 AM	70.3	55.1	15.2	0.0	-	73.3	48.8
03:05 AM - 03:10 AM	64.8	58.3	6.5	1.0	-	66.8	45.4
03:10 AM - 03:15 AM	60.4	55.4	5.0	1.5	-	61.9	44.7
03:15 AM - 03:20 AM	62.5	58.5	4.0	2.0	-	63.5	50.4
03:20 AM - 03:25 AM	56.2	80.8	-24.6	7.0	-	52.2	59.2
03:25 AM - 03:30 AM	67.7	58.5	9.2	0.5	-	70.2	51.6
03:30 AM - 03:35 AM	63.0	55.4	7.6	0.5	-	65.5	46.9
03:35 AM - 03:40 AM	59.8	58.1	1.7	4.5	-	58.3	43.9
03:40 AM - 03:45 AM	61.4	58.2	3.2	3.0	-	61.4	43.5
03:45 AM - 03:50 AM	63.8	61.2	2.6	3.0	-	63.8	44.3
03:50 AM - 03:55 AM	61.5	61.4	0.1	7.0	-	57.5	43.3



Analysis / Test Report



TESTING
No.0009

Client : Asia Industrial Estate Co., Ltd.

49 Soi Pipat (Silom 3) Asia Sermkij Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500

P/O : สัญญาจ้าง

Project Name : Project AIE (Suwanaphumi)

Project Location :

Lot ID: 2358316

Date Received : May 30, 2023

Date Reported : Jun 09, 2023

Report Number : 2678455-1

Page 3 of 3

Sample No. 2358316-15
Parameter เสียงรบกวน
Location N4 : โรงเรียนคลองเปรม (เขื่อนบางนาท่าใหม่) (GPS 47P 0704662, 1510422)
Measurement Date May 26 - 27, 2023
Measurement by Autit Aoonsim
Sound Level Meter 00572562

ระดับเสียง (dB(A))							
เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีกิจกรรม	ผลต่างระดับเสียง	ตัวปรับค่า	ปรับค่าเสียงจากแหล่งกำเนิด		ค่าระดับการรบกวน
					กลางวัน (A/C)	กลางคืน (A/C+3)	
03:55 AM - 04:00 AM	60.7	58.4	2.3	4.5	-	59.2	45.1
04:00 AM - 04:05 AM	54.6	55.3	-0.7	7.0	-	50.6	47.2
04:05 AM - 04:10 AM	61.0	57.8	3.2	3.0	-	61.0	50.9
04:10 AM - 04:15 AM	60.6	59.0	1.6	4.5	-	59.1	52.4
04:15 AM - 04:20 AM	57.3	57.3	0.0	7.0	-	53.3	49.5
04:20 AM - 04:25 AM	54.1	56.7	-2.6	7.0	-	50.1	49.9
04:25 AM - 04:30 AM	48.3	56.6	-8.3	7.0	-	44.3	48.0
04:30 AM - 04:35 AM	47.1	53.7	-6.6	7.0	-	43.1	48.5
04:35 AM - 04:40 AM	48.8	53.6	-4.8	7.0	-	44.8	51.1
04:40 AM - 04:45 AM	48.2	52.5	-4.3	7.0	-	44.2	51.6
04:45 AM - 04:50 AM	47.8	53.1	-5.3	7.0	-	43.8	52.1
04:50 AM - 04:55 AM	46.9	52.7	-5.8	7.0	-	42.9	48.7
04:55 AM - 05:00 AM	47.9	53.0	-5.1	7.0	-	43.9	52.0
05:00 AM - 05:05 AM	48.0	52.6	-4.6	7.0	-	44.0	51.8
05:05 AM - 05:10 AM	46.9	53.0	-6.1	7.0	-	42.9	49.7
05:10 AM - 05:15 AM	46.9	51.1	-4.2	7.0	-	42.9	49.6
05:15 AM - 05:20 AM	47.1	51.3	-4.2	7.0	-	43.1	49.2
05:20 AM - 05:25 AM	49.5	51.2	-1.7	7.0	-	45.5	48.8
05:25 AM - 05:30 AM	48.4	52.4	-4.0	7.0	-	44.4	49.9
05:30 AM - 05:35 AM	52.6	51.4	1.2	7.0	-	48.6	47.8
05:35 AM - 05:40 AM	50.8	51.9	-1.1	7.0	-	46.8	48.8
05:40 AM - 05:45 AM	51.0	52.7	-1.7	7.0	-	47.0	49.9
05:45 AM - 05:50 AM	53.8	51.6	2.2	4.5	-	52.3	48.7
05:50 AM - 05:55 AM	54.1	52.7	1.4	7.0	-	50.1	48.1
05:55 AM - 06:00 AM	57.2	52.5	4.7	1.5	-	58.7	47.5
06:00 AM - 07:00 AM	57.1	51.5	5.6	1.5	55.6	-	47.6
07:00 AM - 08:00 AM	55.6	52.2	3.4	3.0	52.6	-	49.0
08:00 AM - 09:00 AM	54.6	51.8	2.8	3.0	51.6	-	47.6
09:00 AM - 10:00 AM	52.6	53.2	-0.6	7.0	45.6	-	45.3
10:00 AM - 11:00 AM	54.6	48.1	6.5	1.0	53.6	-	41.5
11:00 AM - 12:00 PM	50.8	45.4	5.4	1.5	49.3	-	41.3
12:00 PM - 01:00 PM	52.1	45.1	7.0	1.0	51.1	-	39.5

ค่ามาตรฐาน

Reference Method : Based on ISO 1996-1 and ISO 1996-2

มาตรฐาน

- ประกาศกระทรวงอุตสาหกรรม เรื่อง กำหนดค่าระดับเสียงการรบกวนและระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548
- ประกาศกรมโรงงานอุตสาหกรรม เรื่อง วิธีการตรวจวัดระดับเสียงรบกวน ระดับเสียงเฉลี่ย 24 ชั่วโมง และระดับเสียงสูงสุดที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2553
- ประกาศกระทรวงสาธารณสุข เรื่อง กำหนดค่ามาตรฐานเสียงทางเสียงที่เกิดจากการประกอบกิจการที่เป็นอันตรายต่อสุขภาพ พ.ศ. 2561

ระดับเสียงจากแหล่งกำเนิด ท้าการตรวจวัด วันที่ 26-27 พฤษภาคม 2566

ระดับเสียงพื้นฐานและระดับเสียงขณะไม่มีกิจกรรม (Sample No.2358336-15 วันที่ตรวจวัด 26-27 พฤษภาคม 2566)

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Analysis / Test Report



TESTING
No.0009

Client : Asia Industrial Estate Co., Ltd.

49 Soi Pipat (Silom 3) Asia Sermkij Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500

P/O : สัตยาจำ

Project Name : Project AIE (Suwanaphumi)

Project Location :

Lot ID: 2358316

Date Received : May 30, 2023

Date Reported : Jun 09, 2023

Report Number : 2678456-1

Page 1 of 3

Sample No. 2358316-16
Parameter เสียงรบกวน
Location N4 : โรงเรียนคลองเปิ้ง (เขื่อนบางนาท่าใหม่) (GPS 47P 0704662, 1510422)
Measurement Date May 27 - 28, 2023
Measurement by Autit Aoonsim
Sound Level Meter 00572562

เวลา	ระดับเสียง (dB(A))							ค่าระดับ การรบกวน
	(A) เสียงจากแหล่งกำเนิด	(B) เสียงขณะ ไม่มีการรบกวน	(C) ผลต่าง ระดับเสียง	(D) ตัวปรับค่า	(E) ปรับค่าเสียงจากแหล่งกำเนิด		(F) เสียงพื้นฐาน	
					(A-C) กลางวัน	(B-C) กลางคืน		
01:00 PM - 02:00 PM	50.9	49.7	1.2	7.0	43.9	-	42.6	1.3
02:00 PM - 03:00 PM	46.2	45.7	0.5	7.0	39.2	-	40.1	-0.9
03:00 PM - 04:00 PM	50.3	46.6	3.7	2.0	48.3	-	39.9	8.4
04:00 PM - 05:00 PM	50.6	47.2	3.4	3.0	47.6	-	42.0	5.6
05:00 PM - 06:00 PM	50.4	47.3	3.1	3.0	47.4	-	41.3	6.1
06:00 PM - 07:00 PM	50.4	50.8	-0.4	7.0	43.4	-	42.3	1.1
07:00 PM - 08:00 PM	49.8	51.3	-1.5	7.0	42.8	-	49.6	-6.8
08:00 PM - 09:00 PM	51.7	51.7	0.0	7.0	44.7	-	50.4	-5.7
09:00 PM - 10:00 PM	48.9	50.5	-1.6	7.0	41.9	-	49.0	-7.1
10:00 PM - 10:05 PM	47.0	48.0	-1.0	7.0	-	43.0	47.3	-4.3
10:05 PM - 10:10 PM	50.3	54.6	-4.3	7.0	-	46.3	47.8	-1.5
10:10 PM - 10:15 PM	46.7	52.1	-5.4	7.0	-	42.7	47.1	-4.4
10:15 PM - 10:20 PM	46.1	47.9	-1.8	7.0	-	42.1	46.9	-4.8
10:20 PM - 10:25 PM	47.0	46.9	0.1	7.0	-	43.0	46.0	-3.0
10:25 PM - 10:30 PM	47.1	47.5	-0.4	7.0	-	43.1	46.5	-3.4
10:30 PM - 10:35 PM	45.3	48.2	-2.9	7.0	-	41.3	47.1	-5.8
10:35 PM - 10:40 PM	45.1	48.2	-3.1	7.0	-	41.1	47.5	-6.4
10:40 PM - 10:45 PM	45.2	48.3	-3.1	7.0	-	41.2	47.5	-6.3
10:45 PM - 10:50 PM	45.3	48.0	-2.7	7.0	-	41.3	47.0	-5.7
10:50 PM - 10:55 PM	44.9	47.5	-2.6	7.0	-	40.9	46.5	-5.6
10:55 PM - 11:00 PM	44.0	47.7	-3.7	7.0	-	40.0	46.4	-6.4
11:00 PM - 11:05 PM	45.3	46.9	-1.6	7.0	-	41.3	45.6	-4.3
11:05 PM - 11:10 PM	45.6	47.2	-1.6	7.0	-	41.6	46.1	-4.5
11:10 PM - 11:15 PM	45.9	47.5	-1.6	7.0	-	41.9	45.8	-3.9
11:15 PM - 11:20 PM	46.2	47.6	-1.4	7.0	-	42.2	45.4	-3.2
11:20 PM - 11:25 PM	49.3	48.0	1.3	7.0	-	45.3	45.1	0.2
11:25 PM - 11:30 PM	43.3	46.6	-3.3	7.0	-	39.3	44.9	-5.6
11:30 PM - 11:35 PM	43.2	52.0	-8.8	7.0	-	39.2	47.0	-7.8
11:35 PM - 11:40 PM	44.2	56.7	-12.5	7.0	-	40.2	54.8	-14.6
11:40 PM - 11:45 PM	47.7	54.9	-7.2	7.0	-	43.7	52.0	-8.3
11:45 PM - 11:50 PM	45.5	50.9	-5.4	7.0	-	41.5	48.1	-6.6
11:50 PM - 11:55 PM	45.0	47.3	-2.3	7.0	-	41.0	46.1	-5.1
11:55 PM - 12:00 AM	45.6	46.6	-1.0	7.0	-	41.6	45.8	-4.2
12:00 AM - 12:05 AM	46.6	45.8	0.8	7.0	-	42.6	45.2	-2.6
12:05 AM - 12:10 AM	46.6	47.5	-0.9	7.0	-	42.6	45.5	-2.9
12:10 AM - 12:15 AM	49.6	47.1	2.5	3.0	-	49.6	46.4	3.2
12:15 AM - 12:20 AM	45.5	49.7	-4.2	7.0	-	41.5	47.1	-5.6
12:20 AM - 12:25 AM	47.0	50.6	-3.6	7.0	-	43.0	47.6	-4.6
12:25 AM - 12:30 AM	44.7	50.3	-5.6	7.0	-	40.7	47.9	-7.2
12:30 AM - 12:35 AM	46.2	51.8	-5.6	7.0	-	42.2	48.6	-6.4

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Analysis / Test Report



TESTING
No.0009

Client : Asia Industrial Estate Co., Ltd.

49 Soi Pipat (Silom 3) Asia Sermkij Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500

P/O : สัตยาจำ

Project Name : Project AIE (Suwanaphumi)

Project Location :

Lot ID: 2358316

Date Received : May 30, 2023

Date Reported : Jun 09, 2023

Report Number : 2678456-1

Page 2 of 3

Sample No. 2358316-16
Parameter เสียงรบกวน
Location N4 : โรงเรียนคลองเปิ้ง (เขื่อนบางนาท่าใหม่) (GPS 47P 0704662, 1510422)
Measurement Date May 27 - 28, 2023
Measurement by Autit Aoonsim
Sound Level Meter 00572562

เวลา	ระดับเสียง (dB(A))							
	(A) เสียงจาก แหล่งกำเนิด	(B) เสียงขณะ ไม่มีการรบกวน	(D) ผลต่าง ระดับเสียง	(C) ตัวปรับค่า	(B) ปรับค่าเสียงจากแหล่งกำเนิด		(E) เสียงพื้นฐาน	(D+E) ค่าระดับ การรบกวน
					(A-C) กลางวัน	(B-C+3) กลางคืน		
12:35 AM - 12:40 AM	63.0	50.9	12.1	0.5	-	65.5	49.0	16.5
12:40 AM - 12:45 AM	58.5	51.4	7.1	1.0	-	60.5	50.4	10.1
12:45 AM - 12:50 AM	53.8	51.4	2.4	4.5	-	52.3	50.6	1.7
12:50 AM - 12:55 AM	47.8	49.9	-2.1	7.0	-	43.8	49.1	-5.3
12:55 AM - 01:00 AM	46.4	50.1	-3.7	7.0	-	42.4	49.4	-7.0
01:00 AM - 01:05 AM	48.8	50.4	-1.6	7.0	-	44.8	49.6	-4.8
01:05 AM - 01:10 AM	43.8	50.0	-6.2	7.0	-	39.8	49.3	-9.5
01:10 AM - 01:15 AM	63.2	49.9	13.3	0.0	-	66.2	49.2	17.0
01:15 AM - 01:20 AM	60.1	49.9	10.2	0.5	-	62.6	49.4	13.2
01:20 AM - 01:25 AM	44.8	50.2	-5.4	7.0	-	40.8	49.4	-8.6
01:25 AM - 01:30 AM	63.4	50.2	13.2	0.0	-	66.4	49.5	16.9
01:30 AM - 01:35 AM	46.4	51.5	-5.1	7.0	-	42.4	50.6	-8.2
01:35 AM - 01:40 AM	44.1	51.8	-7.7	7.0	-	40.1	50.8	-10.7
01:40 AM - 01:45 AM	43.8	51.2	-7.4	7.0	-	39.8	50.7	-10.9
01:45 AM - 01:50 AM	43.1	51.0	-7.9	7.0	-	39.1	50.5	-11.4
01:50 AM - 01:55 AM	43.9	51.1	-7.2	7.0	-	39.9	50.6	-10.7
01:55 AM - 02:00 AM	43.3	51.6	-8.3	7.0	-	39.3	51.0	-11.7
02:00 AM - 02:05 AM	42.9	51.9	-9.0	7.0	-	38.9	51.2	-12.3
02:05 AM - 02:10 AM	44.3	52.3	-8.0	7.0	-	40.3	51.3	-11.0
02:10 AM - 02:15 AM	44.0	51.9	-7.9	7.0	-	40.0	51.1	-11.1
02:15 AM - 02:20 AM	42.6	51.3	-8.7	7.0	-	38.6	50.4	-11.8
02:20 AM - 02:25 AM	61.3	51.5	9.8	0.5	-	63.8	50.8	13.0
02:25 AM - 02:30 AM	63.2	51.8	11.4	0.5	-	65.7	50.6	15.1
02:30 AM - 02:35 AM	51.9	51.4	0.5	7.0	-	47.9	50.4	-2.5
02:35 AM - 02:40 AM	43.5	53.5	-10.0	7.0	-	39.5	50.3	-10.8
02:40 AM - 02:45 AM	52.6	55.1	-2.5	7.0	-	48.6	49.1	-0.5
02:45 AM - 02:50 AM	54.1	52.3	1.8	4.5	-	52.6	49.1	3.5
02:50 AM - 02:55 AM	41.9	52.5	-10.6	7.0	-	37.9	49.6	-11.7
02:55 AM - 03:00 AM	44.5	57.0	-12.5	7.0	-	40.5	51.4	-10.9
03:00 AM - 03:05 AM	47.3	62.4	-15.1	7.0	-	43.3	55.8	-12.5
03:05 AM - 03:10 AM	51.7	63.1	-11.4	7.0	-	47.7	54.7	-7.0
03:10 AM - 03:15 AM	49.0	59.7	-10.7	7.0	-	45.0	53.1	-8.1
03:15 AM - 03:20 AM	50.5	58.9	-8.4	7.0	-	46.5	51.9	-5.4
03:20 AM - 03:25 AM	48.5	64.7	-16.2	7.0	-	44.5	51.0	-6.5
03:25 AM - 03:30 AM	50.3	60.1	-9.8	7.0	-	46.3	50.9	-4.6
03:30 AM - 03:35 AM	54.6	58.5	-3.9	7.0	-	50.6	50.3	0.3
03:35 AM - 03:40 AM	52.3	56.3	-4.0	7.0	-	48.3	50.2	-1.9
03:40 AM - 03:45 AM	52.5	54.6	-2.1	7.0	-	48.5	48.4	0.1
03:45 AM - 03:50 AM	54.5	51.9	2.6	3.0	-	54.5	47.0	7.5
03:50 AM - 03:55 AM	53.3	53.3	0.0	7.0	-	49.3	48.3	1.0

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Analysis / Test Report



TESTING
No.0009

Client : Asia Industrial Estate Co., Ltd.

49 Soi Pipat (Silom 3) Asia Sermkij Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500

P/O : สัญญาจ้าง

Project Name : Project AIE (Suwanaphumi)

Project Location :

Lot ID: 2358316

Date Received : May 30, 2023

Date Reported : Jun 09, 2023

Report Number : 2678456-1

Page 3 of 3

Sample No. 2358316-16
Parameter เสียงรบกวน
Location N4 : โรงเรือนคอกเลี้ยง (เคอิกนางนาฬาริม) (GPS 47P 0704662, 1510422)
Measurement Date May 27 - 28, 2023
Measurement by Autit Aoonsim
Sound Level Meter 00572562

ระดับเสียง (dB(A))								
เวลา	เสียงจากแหล่งกำเนิด (A)	เสียงขณะไม่มีกิจกรรม (B)	ผลต่าง (A-B)	ค่าปรับค่า (C)	ปรับค่าเสียงจากแหล่งกำเนิด (D)		เสียงพื้นฐาน (E)	ค่าระดับการรบกวน (F)
					กลางวัน (AC)	กลางคืน (AC)		
03:55 AM - 04:00 AM	51.4	51.1	0.3	7.0	-	47.4	49.3	-1.9
04:00 AM - 04:05 AM	50.3	53.0	-2.7	7.0	-	46.3	50.3	-4.0
04:05 AM - 04:10 AM	51.4	56.0	-4.6	7.0	-	47.4	52.6	-5.2
04:10 AM - 04:15 AM	47.7	58.8	-11.1	7.0	-	43.7	52.4	-8.7
04:15 AM - 04:20 AM	51.3	53.9	-2.6	7.0	-	47.3	52.4	-5.1
04:20 AM - 04:25 AM	47.1	55.0	-7.9	7.0	-	43.1	53.6	-10.5
04:25 AM - 04:30 AM	45.5	54.7	-9.2	7.0	-	41.5	53.1	-11.6
04:30 AM - 04:35 AM	53.8	55.1	-1.3	7.0	-	49.8	53.9	-4.1
04:35 AM - 04:40 AM	60.3	56.2	4.1	2.0	-	61.3	55.1	6.2
04:40 AM - 04:45 AM	53.8	56.6	-2.8	7.0	-	49.8	53.4	-3.6
04:45 AM - 04:50 AM	48.3	56.6	-8.3	7.0	-	44.3	55.5	-11.2
04:50 AM - 04:55 AM	44.8	57.2	-12.4	7.0	-	40.8	56.7	-15.9
04:55 AM - 05:00 AM	47.2	57.1	-9.9	7.0	-	43.2	56.6	-13.4
05:00 AM - 05:05 AM	53.9	57.4	-3.5	7.0	-	49.9	56.8	-6.9
05:05 AM - 05:10 AM	50.0	57.6	-7.6	7.0	-	46.0	56.8	-10.8
05:10 AM - 05:15 AM	52.9	57.2	-4.3	7.0	-	48.9	56.6	-7.7
05:15 AM - 05:20 AM	49.3	55.4	-6.1	7.0	-	45.3	53.8	-8.5
05:20 AM - 05:25 AM	48.4	55.0	-6.6	7.0	-	44.4	53.0	-8.6
05:25 AM - 05:30 AM	49.6	55.6	-6.0	7.0	-	45.6	52.6	-7.0
05:30 AM - 05:35 AM	50.4	54.3	-3.9	7.0	-	46.4	51.2	-4.8
05:35 AM - 05:40 AM	51.6	52.1	-0.5	7.0	-	47.6	50.2	-2.6
05:40 AM - 05:45 AM	53.0	54.4	-1.4	7.0	-	49.0	48.1	0.9
05:45 AM - 05:50 AM	52.3	50.3	2.0	4.5	-	50.8	47.1	3.7
05:50 AM - 05:55 AM	53.4	49.9	3.5	2.0	-	54.4	47.1	7.3
05:55 AM - 06:00 AM	56.0	50.2	5.8	1.5	-	57.5	47.0	10.5
06:00 AM - 07:00 AM	57.8	49.7	8.1	0.5	57.3	-	46.1	11.2
07:00 AM - 08:00 AM	53.8	50.6	3.2	3.0	50.8	-	46.5	4.3
08:00 AM - 09:00 AM	53.2	49.5	3.7	2.0	51.2	-	44.9	6.3
09:00 AM - 10:00 AM	53.4	50.7	2.7	3.0	50.4	-	43.4	7.0
10:00 AM - 11:00 AM	57.7	52.6	5.1	1.5	56.2	-	43.4	12.8
11:00 AM - 12:00 PM	55.4	49.7	5.7	1.5	53.9	-	42.0	11.9
12:00 PM - 01:00 PM	53.6	44.5	9.1	0.5	53.1	-	38.9	14.2
ค่ามาตรฐาน								≤ 10

Reference Method : Based on ISO 1996-1 and ISO 1996-2

มาตรฐาน

- ประกาศกระทรวงอุตสาหกรรม เรื่อง กำหนดค่าระดับเสียงการรบกวนและระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548
- ประกาศกรมโรงงานอุตสาหกรรม เรื่อง วิธีการตรวจวัดระดับเสียงรบกวน ระดับเสียงเฉลี่ย 24 ชั่วโมง และระดับเสียงสูงสุดที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2553
- ประกาศกระทรวงสาธารณสุข เรื่อง กำหนดค่ามาตรฐานหลักทางเสียงอันเกิดจากการประกอบกิจการที่เป็นอันตรายต่อสุขภาพ พ.ศ. 2561

ระดับเสียงจากแหล่งกำเนิด ที่การตรวจวัด วันที่ 27-28 พฤษภาคม 2566

ระดับเสียงพื้นฐานและระดับเสียงขณะไม่มีกิจกรรม (Sample No.2358336-16 วันที่ตรวจวัด 27-28 พฤษภาคม 2566)

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



TESTING
No.0009

Client : Asia Industrial Estate Co., Ltd.

49 Soi Pipat (Silom 3) Asia Sermkij Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500

P/O : สัญญาจ้าง

Project Name : Project AIE (Suwanaphumi)

Project Location :

Lot ID: 2358336

Date Received : May 30, 2023

Date Reported : Jun 09, 2023

Report No. : 2678429-1

Page 1 of 3

Sample No. 2358336-5
Parameter Noise
Location โรงเรือนวัดคอกลาด (GPS 47P 0703882, 1507716) (จุดอ้างอิง) (Shut down)
Measurement Date May 24 - 25, 2023
Measurement by Autit Aoonsim
Sound Level Meter 00873053

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	52.8	71.4	45.4
11:00 AM - 12:00 PM	57.7	77.3	50.0
12:00 PM - 01:00 PM	61.2	81.2	53.6
01:00 PM - 02:00 PM	59.6	84.0	51.8
02:00 PM - 03:00 PM	64.4	93.9	55.0
03:00 PM - 04:00 PM	58.3	81.4	50.0
04:00 PM - 05:00 PM	49.3	74.8	39.9
05:00 PM - 06:00 PM	53.1	77.9	39.6
06:00 PM - 07:00 PM	56.7	76.8	51.3
07:00 PM - 08:00 PM	49.2	67.5	41.8
08:00 PM - 09:00 PM	47.5	60.1	44.1
09:00 PM - 10:00 PM	48.6	62.4	43.7
10:00 PM - 10:05 PM	47.6	58.6	41.1
10:05 PM - 10:10 PM	48.5	59.7	41.9
10:10 PM - 10:15 PM	49.1	60.5	43.3
10:15 PM - 10:20 PM	49.5	61.0	44.0
10:20 PM - 10:25 PM	49.0	61.1	43.4
10:25 PM - 10:30 PM	48.2	60.3	43.0
10:30 PM - 10:35 PM	47.2	58.3	43.4
10:35 PM - 10:40 PM	46.5	58.3	44.0
10:40 PM - 10:45 PM	47.3	59.4	44.4
10:45 PM - 10:50 PM	46.6	51.9	45.0
10:50 PM - 10:55 PM	46.4	51.7	44.9
10:55 PM - 11:00 PM	47.8	59.7	44.9
11:00 PM - 11:05 PM	48.2	58.5	45.2
11:05 PM - 11:10 PM	48.4	58.8	44.9
11:10 PM - 11:15 PM	49.8	62.1	44.7
11:15 PM - 11:20 PM	50.6	62.5	44.7
11:20 PM - 11:25 PM	50.2	62.2	45.1
11:25 PM - 11:30 PM	49.0	61.0	44.7
11:30 PM - 11:35 PM	48.2	61.3	44.2
11:35 PM - 11:40 PM	44.1	55.1	42.9
11:40 PM - 11:45 PM	44.3	51.3	43.6
11:45 PM - 11:50 PM	49.9	72.5	44.5
11:50 PM - 11:55 PM	47.4	67.6	43.6
11:55 PM - 12:00 AM	43.7	53.5	43.2
12:00 AM - 12:05 AM	44.1	54.5	43.2
12:05 AM - 12:10 AM	45.0	56.3	43.3
12:10 AM - 12:15 AM	44.4	47.5	43.9
12:15 AM - 12:20 AM	46.7	57.3	44.4

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Analysis / Test Report



TESTING
No.0009

Client : Asia Industrial Estate Co., Ltd.

49 Soi Pipat (Silom 3) Asia Sermkij Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500

P/O : สัตยดาจาง

Project Name : Project AIE (Suwanaphumi)

Project Location :

Lot ID: 2358336

Date Received : May 30, 2023

Date Reported : Jun 09, 2023

Report No. : 2678429-1

Page 2 of 3

Sample No. 2358336-5
Parameter Noise
Location โรงเรียนวัดคลองลาด (GPS 47P 0703882, 1507716) (จุดอ้างอิง) (Shut down)
Measurement Date May 24 - 25, 2023
Measurement by Autit Aoonsim
Sound Level Meter 00873053

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:20 AM - 12:25 AM	46.9	58.5	44.0
12:25 AM - 12:30 AM	44.2	46.2	43.2
12:30 AM - 12:35 AM	44.9	56.2	43.7
12:35 AM - 12:40 AM	45.1	49.2	44.4
12:40 AM - 12:45 AM	45.6	60.9	44.4
12:45 AM - 12:50 AM	45.7	55.5	44.7
12:50 AM - 12:55 AM	47.7	66.4	44.5
12:55 AM - 01:00 AM	48.7	69.4	44.6
01:00 AM - 01:05 AM	49.0	64.6	44.9
01:05 AM - 01:10 AM	54.4	72.7	44.4
01:10 AM - 01:15 AM	52.1	67.9	43.9
01:15 AM - 01:20 AM	53.9	71.7	43.6
01:20 AM - 01:25 AM	56.8	79.9	43.6
01:25 AM - 01:30 AM	70.6	83.3	46.3
01:30 AM - 01:35 AM	76.4	82.4	66.4
01:35 AM - 01:40 AM	78.4	88.2	74.4
01:40 AM - 01:45 AM	77.1	92.7	70.8
01:45 AM - 01:50 AM	76.2	92.0	72.8
01:50 AM - 01:55 AM	75.0	80.7	72.5
01:55 AM - 02:00 AM	72.9	79.1	71.5
02:00 AM - 02:05 AM	71.1	81.4	68.5
02:05 AM - 02:10 AM	68.3	76.0	66.3
02:10 AM - 02:15 AM	73.8	80.9	72.4
02:15 AM - 02:20 AM	71.6	82.4	64.3
02:20 AM - 02:25 AM	62.3	77.7	60.7
02:25 AM - 02:30 AM	60.7	76.5	59.6
02:30 AM - 02:35 AM	60.6	66.0	59.6
02:35 AM - 02:40 AM	60.7	68.1	59.7
02:40 AM - 02:45 AM	60.3	64.1	59.3
02:45 AM - 02:50 AM	60.5	63.7	59.3
02:50 AM - 02:55 AM	60.9	64.1	59.8
02:55 AM - 03:00 AM	60.7	64.0	59.5
03:00 AM - 03:05 AM	60.8	63.2	59.7
03:05 AM - 03:10 AM	60.9	63.2	59.8
03:10 AM - 03:15 AM	60.8	63.4	59.7
03:15 AM - 03:20 AM	60.5	64.8	59.2
03:20 AM - 03:25 AM	60.1	62.9	58.7
03:25 AM - 03:30 AM	59.8	70.2	58.0
03:30 AM - 03:35 AM	62.1	76.6	58.6
03:35 AM - 03:40 AM	61.7	75.5	57.6

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Analysis / Test Report



TESTING
No.0009

Client : Asia Industrial Estate Co., Ltd.

49 Soi Pipat (Silom 3) Asia Sermkij Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500

P/O : สัตยดาจาง

Project Name : Project AIE (Suwanaphumi)

Project Location :

Lot ID: 2358336

Date Received : May 30, 2023

Date Reported : Jun 09, 2023

Report No. : 2678429-1

Page 3 of 3

Sample No. 2358336-5
Parameter Noise
Location โรงเรียนวัดคลองลาด (GPS 47P 0703882, 1507716) (จุดอ้างอิง) (Shut down)
Measurement Date May 24 - 25, 2023
Measurement by Autit Aoonsim
Sound Level Meter 00873053

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:40 AM - 03:45 AM	58.5	62.5	56.6
03:45 AM - 03:50 AM	58.7	63.4	57.0
03:50 AM - 03:55 AM	58.2	62.2	56.0
03:55 AM - 04:00 AM	56.8	61.6	54.8
04:00 AM - 04:05 AM	57.2	61.0	55.4
04:05 AM - 04:10 AM	56.5	60.6	54.8
04:10 AM - 04:15 AM	56.5	60.1	54.7
04:15 AM - 04:20 AM	56.7	68.3	54.6
04:20 AM - 04:25 AM	55.4	60.6	53.2
04:25 AM - 04:30 AM	54.4	61.2	51.7
04:30 AM - 04:35 AM	54.5	61.2	51.7
04:35 AM - 04:40 AM	55.3	60.8	53.2
04:40 AM - 04:45 AM	55.0	61.7	52.4
04:45 AM - 04:50 AM	56.0	62.2	53.8
04:50 AM - 04:55 AM	55.9	62.0	53.3
04:55 AM - 05:00 AM	55.4	62.2	51.4
05:00 AM - 05:05 AM	55.2	78.7	51.8
05:05 AM - 05:10 AM	53.8	72.6	50.7
05:10 AM - 05:15 AM	52.1	74.1	47.7
05:15 AM - 05:20 AM	51.2	61.6	47.4
05:20 AM - 05:25 AM	54.3	63.4	48.7
05:25 AM - 05:30 AM	54.7	70.0	48.7
05:30 AM - 05:35 AM	54.1	62.8	49.4
05:35 AM - 05:40 AM	65.6	73.3	50.4
05:40 AM - 05:45 AM	69.9	74.8	52.2
05:45 AM - 05:50 AM	58.0	73.4	51.1
05:50 AM - 05:55 AM	56.5	66.7	50.5
05:55 AM - 06:00 AM	57.1	77.4	49.6
06:00 AM - 07:00 AM	57.3	77.6	47.5
07:00 AM - 08:00 AM	55.4	73.3	49.0
08:00 AM - 09:00 AM	57.0	78.1	48.6
09:00 AM - 10:00 AM	54.8	79.9	46.6

Reference Method : Based on ISO 1996-1 and ISO 1996-2

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Analysis / Test Report



TESTING
No.0009

Client : Asia Industrial Estate Co., Ltd.
49 Soi Pipat (Silom 3) Asia Sermkij Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500

Lot ID: 2358336
Date Received : May 30, 2023
Date Reported : Jun 09, 2023
Report No. : 2678430-1

P/O : สัญญาจ้าง
Project Name : Project AIE (Suwanaphumi)
Project Location :

Page 1 of 3

Sample No. 2358336-6
Parameter Noise
Location โรงเขียนวัดตลาด (GPS 47P 0703882, 1507716) (จุดอ้างอิง) (Shut down)
Measurement Date May 25 - 26, 2023
Measurement by Autit Aoonsim
Sound Level Meter 00873053

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	54.1	74.7	46.5
11:00 AM - 12:00 PM	57.9	76.4	49.4
12:00 PM - 01:00 PM	72.2	103.5	52.9
01:00 PM - 02:00 PM	50.7	75.0	43.7
02:00 PM - 03:00 PM	60.7	79.2	52.7
03:00 PM - 04:00 PM	57.6	80.2	50.5
04:00 PM - 05:00 PM	49.7	68.7	41.1
05:00 PM - 06:00 PM	54.0	75.9	41.6
06:00 PM - 07:00 PM	60.6	75.2	41.9
07:00 PM - 08:00 PM	61.8	75.3	47.7
08:00 PM - 09:00 PM	49.7	60.8	47.9
09:00 PM - 10:00 PM	50.2	66.3	48.5
10:00 PM - 10:05 PM	49.8	52.9	48.2
10:05 PM - 10:10 PM	49.6	54.5	46.9
10:10 PM - 10:15 PM	49.8	55.7	47.8
10:15 PM - 10:20 PM	49.6	57.0	48.0
10:20 PM - 10:25 PM	50.2	56.1	48.4
10:25 PM - 10:30 PM	50.3	53.8	49.0
10:30 PM - 10:35 PM	49.8	52.6	48.6
10:35 PM - 10:40 PM	47.8	53.1	45.6
10:40 PM - 10:45 PM	49.4	53.4	48.0
10:45 PM - 10:50 PM	49.9	53.6	48.3
10:50 PM - 10:55 PM	51.2	54.7	49.9
10:55 PM - 11:00 PM	51.4	55.1	49.5
11:00 PM - 11:05 PM	51.2	55.1	49.4
11:05 PM - 11:10 PM	49.7	56.0	47.6
11:10 PM - 11:15 PM	49.8	56.2	48.2
11:15 PM - 11:20 PM	50.0	54.8	48.5
11:20 PM - 11:25 PM	50.1	54.0	48.6
11:25 PM - 11:30 PM	49.1	53.9	47.1
11:30 PM - 11:35 PM	49.0	54.0	46.7
11:35 PM - 11:40 PM	48.8	54.6	46.3
11:40 PM - 11:45 PM	49.3	54.2	46.8
11:45 PM - 11:50 PM	48.9	54.8	47.1
11:50 PM - 11:55 PM	49.1	52.9	47.2
11:55 PM - 12:00 AM	48.3	55.7	45.9
12:00 AM - 12:05 AM	49.4	67.3	46.3
12:05 AM - 12:10 AM	48.0	67.4	45.7
12:10 AM - 12:15 AM	49.6	53.6	47.6
12:15 AM - 12:20 AM	49.5	53.5	47.6

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Analysis / Test Report



TESTING
No.0009

Client : Asia Industrial Estate Co., Ltd.
49 Soi Pipat (Silom 3) Asia Sermkij Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500

Lot ID: 2358336
Date Received : May 30, 2023
Date Reported : Jun 09, 2023
Report No. : 2678430-1

P/O : สัญญาจ้าง
Project Name : Project AIE (Suwanaphumi)
Project Location :

Page 2 of 3

Sample No. 2358336-6
Parameter Noise
Location โรงเขียนวัดตลาด (GPS 47P 0703882, 1507716) (จุดอ้างอิง) (Shut down)
Measurement Date May 25 - 26, 2023
Measurement by Autit Aoonsim
Sound Level Meter 00873053

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:20 AM - 12:25 AM	48.2	52.4	46.5
12:25 AM - 12:30 AM	47.8	52.6	46.2
12:30 AM - 12:35 AM	48.3	52.1	47.1
12:35 AM - 12:40 AM	48.5	62.4	46.9
12:40 AM - 12:45 AM	47.7	52.1	46.4
12:45 AM - 12:50 AM	47.7	52.1	46.3
12:50 AM - 12:55 AM	49.5	53.7	48.0
12:55 AM - 01:00 AM	49.3	60.5	47.4
01:00 AM - 01:05 AM	48.7	58.3	46.9
01:05 AM - 01:10 AM	47.2	54.4	45.5
01:10 AM - 01:15 AM	47.5	52.9	45.4
01:15 AM - 01:20 AM	46.6	54.0	44.5
01:20 AM - 01:25 AM	45.4	51.7	43.8
01:25 AM - 01:30 AM	44.4	53.0	43.4
01:30 AM - 01:35 AM	44.9	52.4	43.8
01:35 AM - 01:40 AM	44.4	49.5	43.5
01:40 AM - 01:45 AM	44.8	52.8	43.5
01:45 AM - 01:50 AM	44.5	59.7	43.0
01:50 AM - 01:55 AM	43.5	49.2	42.3
01:55 AM - 02:00 AM	44.1	48.8	43.2
02:00 AM - 02:05 AM	44.7	53.1	43.2
02:05 AM - 02:10 AM	45.0	52.9	43.2
02:10 AM - 02:15 AM	43.8	48.3	42.5
02:15 AM - 02:20 AM	44.5	51.5	42.7
02:20 AM - 02:25 AM	45.7	56.2	42.6
02:25 AM - 02:30 AM	44.8	51.4	43.0
02:30 AM - 02:35 AM	44.8	49.9	43.0
02:35 AM - 02:40 AM	46.6	57.8	43.5
02:40 AM - 02:45 AM	45.1	54.4	43.2
02:45 AM - 02:50 AM	45.4	51.2	43.3
02:50 AM - 02:55 AM	47.0	51.5	44.3
02:55 AM - 03:00 AM	46.9	50.9	43.7
03:00 AM - 03:05 AM	43.7	50.0	41.7
03:05 AM - 03:10 AM	45.5	60.4	41.5
03:10 AM - 03:15 AM	44.3	49.8	42.7
03:15 AM - 03:20 AM	44.3	48.9	43.0
03:20 AM - 03:25 AM	45.3	51.1	43.4
03:25 AM - 03:30 AM	44.0	53.5	42.9
03:30 AM - 03:35 AM	43.9	59.0	42.8
03:35 AM - 03:40 AM	44.3	55.2	42.6

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Analysis / Test Report



TESTING
No.0009

Client : Asia Industrial Estate Co., Ltd.
49 Soi Pipat (Silom 3) Asia Sermkij Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500

Lot ID: 2358336
Date Received : May 30, 2023
Date Reported : Jun 09, 2023
Report No. : 2678430-1

P/O : สัญญาจ้าง
Project Name : Project AIE (Suwanaphumi)
Project Location :

Page 3 of 3

Sample No. 2358336-6
Parameter Noise
Location โรงเรือนวัดผลผลิต (GPS 47P 0703882, 1507716) (จุดข้างฝั่ง) (Shut down)
Measurement Date May 25 - 26, 2023
Measurement by Autit Aoonsim
Sound Level Meter 00873053

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:40 AM - 03:45 AM	43.7	48.8	42.7
03:45 AM - 03:50 AM	45.0	50.2	43.9
03:50 AM - 03:55 AM	44.8	48.3	44.1
03:55 AM - 04:00 AM	44.3	50.8	43.6
04:00 AM - 04:05 AM	44.3	54.4	43.4
04:05 AM - 04:10 AM	44.4	51.7	43.4
04:10 AM - 04:15 AM	46.0	54.9	44.0
04:15 AM - 04:20 AM	47.2	56.3	44.3
04:20 AM - 04:25 AM	47.9	57.3	44.8
04:25 AM - 04:30 AM	48.6	58.8	46.4
04:30 AM - 04:35 AM	57.8	72.4	46.0
04:35 AM - 04:40 AM	57.3	72.5	44.9
04:40 AM - 04:45 AM	52.2	71.6	44.4
04:45 AM - 04:50 AM	47.3	59.8	44.8
04:50 AM - 04:55 AM	46.5	58.3	44.2
04:55 AM - 05:00 AM	49.4	61.6	44.1
05:00 AM - 05:05 AM	50.3	69.6	44.1
05:05 AM - 05:10 AM	50.2	61.7	44.9
05:10 AM - 05:15 AM	48.9	62.6	44.7
05:15 AM - 05:20 AM	48.9	61.5	45.0
05:20 AM - 05:25 AM	55.5	72.5	45.6
05:25 AM - 05:30 AM	59.6	74.2	46.8
05:30 AM - 05:35 AM	60.1	71.1	47.5
05:35 AM - 05:40 AM	67.8	78.7	64.6
05:40 AM - 05:45 AM	59.7	71.6	50.2
05:45 AM - 05:50 AM	54.8	65.9	47.8
05:50 AM - 05:55 AM	59.5	80.9	47.4
05:55 AM - 06:00 AM	57.9	71.7	46.4
06:00 AM - 07:00 AM	55.3	74.4	47.2
07:00 AM - 08:00 AM	56.3	78.9	49.2
08:00 AM - 09:00 AM	57.6	79.0	49.6
09:00 AM - 10:00 AM	53.5	73.5	44.1

Reference Method : Based on ISO 1996-1 and ISO 1996-2

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Analysis / Test Report



TESTING
No.0009

Client : Asia Industrial Estate Co., Ltd.
49 Soi Pipat (Silom 3) Asia Sermkij Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500

Lot ID: 2358336
Date Received : May 30, 2023
Date Reported : Jun 09, 2023
Report No. : 2678431-1

P/O : สัญญาจ้าง
Project Name : Project AIE (Suwanaphumi)
Project Location :

Page 1 of 3

Sample No. 2358336-7
Parameter Noise
Location โรงเรือนวัดผลผลิต (GPS 47P 0703882, 1507716) (จุดข้างฝั่ง) (Shut down)
Measurement Date May 26 - 27, 2023
Measurement by Autit Aoonsim
Sound Level Meter 00873053

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	54.7	80.5	47.2
11:00 AM - 12:00 PM	62.9	92.3	50.6
12:00 PM - 01:00 PM	67.0	104.3	52.4
01:00 PM - 02:00 PM	49.2	69.6	42.6
02:00 PM - 03:00 PM	62.8	93.6	52.7
03:00 PM - 04:00 PM	59.0	81.7	50.3
04:00 PM - 05:00 PM	49.9	72.9	39.9
05:00 PM - 06:00 PM	52.1	74.9	39.6
06:00 PM - 07:00 PM	50.9	72.8	39.8
07:00 PM - 08:00 PM	48.9	74.7	45.1
08:00 PM - 09:00 PM	48.5	59.0	46.4
09:00 PM - 10:00 PM	52.3	76.8	46.8
10:00 PM - 10:05 PM	48.2	51.8	47.5
10:05 PM - 10:10 PM	49.5	71.5	47.0
10:10 PM - 10:15 PM	52.3	74.7	46.6
10:15 PM - 10:20 PM	48.0	52.3	47.0
10:20 PM - 10:25 PM	47.7	53.7	46.4
10:25 PM - 10:30 PM	47.7	55.6	46.2
10:30 PM - 10:35 PM	48.6	54.6	47.3
10:35 PM - 10:40 PM	48.0	54.2	47.1
10:40 PM - 10:45 PM	54.1	66.5	45.9
10:45 PM - 10:50 PM	48.0	54.3	46.3
10:50 PM - 10:55 PM	48.4	54.6	47.2
10:55 PM - 11:00 PM	48.8	60.1	47.7
11:00 PM - 11:05 PM	48.3	53.9	47.2
11:05 PM - 11:10 PM	47.9	53.6	46.9
11:10 PM - 11:15 PM	47.7	54.8	46.8
11:15 PM - 11:20 PM	48.1	54.3	47.0
11:20 PM - 11:25 PM	48.2	54.2	47.4
11:25 PM - 11:30 PM	48.5	55.5	47.4
11:30 PM - 11:35 PM	49.0	54.5	48.0
11:35 PM - 11:40 PM	49.2	58.0	48.0
11:40 PM - 11:45 PM	48.8	53.8	47.7
11:45 PM - 11:50 PM	48.5	60.2	47.4
11:50 PM - 11:55 PM	48.5	55.2	47.0
11:55 PM - 12:00 AM	48.2	55.3	46.4
12:00 AM - 12:05 AM	48.8	57.3	46.7
12:05 AM - 12:10 AM	49.5	57.2	47.3
12:10 AM - 12:15 AM	49.2	57.7	47.2
12:15 AM - 12:20 AM	48.6	55.9	46.9

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Analysis / Test Report



TESTING
No.0009

Client : Asia Industrial Estate Co., Ltd.
49 Soi Pipat (Silom 3) Asia Sermkij Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500

Lot ID: 2358336
Date Received : May 30, 2023
Date Reported : Jun 09, 2023
Report No. : 2678431-1

P/O : สัญญาจ้าง
Project Name : Project AIE (Suwanaphumi)
Project Location :

Page 2 of 3

Sample No. 2358336-7
Parameter Noise
Location โรงเขียนวัดคลองลาด (GPS 47P 0703882, 1507716) (จุดล่างฝั่ง) (Shut down)
Measurement Date May 26 - 27, 2023
Measurement by Autit Aoonsim
Sound Level Meter 00873053

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:20 AM - 12:25 AM	48.4	56.6	46.8
12:25 AM - 12:30 AM	47.5	53.4	46.3
12:30 AM - 12:35 AM	50.3	72.0	45.8
12:35 AM - 12:40 AM	46.5	51.4	45.4
12:40 AM - 12:45 AM	47.3	57.2	45.4
12:45 AM - 12:50 AM	46.1	51.3	44.2
12:50 AM - 12:55 AM	46.2	51.9	44.8
12:55 AM - 01:00 AM	44.8	51.7	43.5
01:00 AM - 01:05 AM	46.5	53.4	44.6
01:05 AM - 01:10 AM	46.1	51.7	45.2
01:10 AM - 01:15 AM	46.3	49.7	45.6
01:15 AM - 01:20 AM	46.4	54.1	45.2
01:20 AM - 01:25 AM	47.1	56.9	45.6
01:25 AM - 01:30 AM	46.8	50.7	45.3
01:30 AM - 01:35 AM	46.7	52.2	45.3
01:35 AM - 01:40 AM	46.5	60.2	44.6
01:40 AM - 01:45 AM	45.7	50.5	44.4
01:45 AM - 01:50 AM	48.5	56.7	45.9
01:50 AM - 01:55 AM	56.0	73.2	49.3
01:55 AM - 02:00 AM	54.0	63.9	51.2
02:00 AM - 02:05 AM	49.6	56.8	48.3
02:05 AM - 02:10 AM	59.1	64.7	53.6
02:10 AM - 02:15 AM	64.1	73.1	62.0
02:15 AM - 02:20 AM	73.3	79.1	67.4
02:20 AM - 02:25 AM	68.3	76.8	65.9
02:25 AM - 02:30 AM	68.1	77.8	64.9
02:30 AM - 02:35 AM	64.3	81.3	61.3
02:35 AM - 02:40 AM	61.3	79.9	52.1
02:40 AM - 02:45 AM	58.3	77.3	49.1
02:45 AM - 02:50 AM	63.7	88.6	51.2
02:50 AM - 02:55 AM	79.2	86.6	75.8
02:55 AM - 03:00 AM	78.0	82.7	74.8
03:00 AM - 03:05 AM	73.5	80.7	69.4
03:05 AM - 03:10 AM	66.3	78.7	63.8
03:10 AM - 03:15 AM	63.0	73.8	60.8
03:15 AM - 03:20 AM	66.7	81.9	59.0
03:20 AM - 03:25 AM	68.8	87.6	64.7
03:25 AM - 03:30 AM	73.6	82.8	67.9
03:30 AM - 03:35 AM	80.6	85.2	76.3
03:35 AM - 03:40 AM	82.6	86.7	82.1

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Analysis / Test Report



TESTING
No.0009

Client : Asia Industrial Estate Co., Ltd.
49 Soi Pipat (Silom 3) Asia Sermkij Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500

Lot ID: 2358336
Date Received : May 30, 2023
Date Reported : Jun 09, 2023
Report No. : 2678431-1

P/O : สัญญาจ้าง
Project Name : Project AIE (Suwanaphumi)
Project Location :

Page 3 of 3

Sample No. 2358336-7
Parameter Noise
Location โรงเขียนวัดคลองลาด (GPS 47P 0703882, 1507716) (จุดล่างฝั่ง) (Shut down)
Measurement Date May 26 - 27, 2023
Measurement by Autit Aoonsim
Sound Level Meter 00873053

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:40 AM - 03:45 AM	82.8	89.9	81.4
03:45 AM - 03:50 AM	77.9	91.9	74.6
03:50 AM - 03:55 AM	69.0	81.1	64.0
03:55 AM - 04:00 AM	68.0	88.7	63.0
04:00 AM - 04:05 AM	67.3	86.0	62.4
04:05 AM - 04:10 AM	65.6	80.6	62.0
04:10 AM - 04:15 AM	65.1	84.4	62.6
04:15 AM - 04:20 AM	64.6	82.6	62.6
04:20 AM - 04:25 AM	64.2	67.7	62.2
04:25 AM - 04:30 AM	63.8	68.2	61.6
04:30 AM - 04:35 AM	63.8	74.3	61.7
04:35 AM - 04:40 AM	64.1	67.7	62.3
04:40 AM - 04:45 AM	63.7	67.5	61.9
04:45 AM - 04:50 AM	63.3	67.4	60.9
04:50 AM - 04:55 AM	62.4	67.7	59.9
04:55 AM - 05:00 AM	63.1	75.5	58.5
05:00 AM - 05:05 AM	60.5	65.3	57.5
05:05 AM - 05:10 AM	58.7	64.8	55.5
05:10 AM - 05:15 AM	60.1	65.0	57.0
05:15 AM - 05:20 AM	58.6	65.0	52.9
05:20 AM - 05:25 AM	56.0	63.8	52.4
05:25 AM - 05:30 AM	55.1	64.4	52.6
05:30 AM - 05:35 AM	54.2	60.1	52.1
05:35 AM - 05:40 AM	58.6	70.4	52.8
05:40 AM - 05:45 AM	58.3	68.0	53.2
05:45 AM - 05:50 AM	57.1	70.9	52.9
05:50 AM - 05:55 AM	56.4	66.9	51.6
05:55 AM - 06:00 AM	55.8	69.7	49.5
06:00 AM - 07:00 AM	53.9	74.6	47.0
07:00 AM - 08:00 AM	53.6	74.8	46.8
08:00 AM - 09:00 AM	55.4	81.2	46.3
09:00 AM - 10:00 AM	56.2	82.0	43.0

Reference Method : Based on ISO 1996-1 and ISO 1996-2

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Analysis / Test Report



TESTING
No.0009

Client : Asia Industrial Estate Co., Ltd.
49 Soi Pipat (Silom 3) Asia Sermkij Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500

Lot ID: 2358336
Date Received : May 30, 2023
Date Reported : Jun 09, 2023
Report No. : 2678432-1

P/O : สัญญาจ้าง
Project Name : Project AIE (Suwanaphumi)
Project Location :

Page 1 of 3

Sample No. 2358336-8
Parameter Noise
Location โรงเรือนวัดผลาต (GPS 47P 0703882, 1507716) (จุดข้างฝั่ง) (Shut down)
Measurement Date May 27 - 28, 2023
Measurement by Autit Aoonsim
Sound Level Meter 00873053

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:00 AM - 11:00 AM	50.0	75.7	41.0
11:00 AM - 12:00 PM	49.0	71.6	39.2
12:00 PM - 01:00 PM	48.3	74.3	38.7
01:00 PM - 02:00 PM	48.8	74.0	38.7
02:00 PM - 03:00 PM	47.3	70.7	38.2
03:00 PM - 04:00 PM	47.6	70.0	37.7
04:00 PM - 05:00 PM	51.3	73.0	38.8
05:00 PM - 06:00 PM	55.0	76.5	41.1
06:00 PM - 07:00 PM	55.4	88.0	42.3
07:00 PM - 08:00 PM	48.6	77.7	45.6
08:00 PM - 09:00 PM	47.6	68.0	46.3
09:00 PM - 10:00 PM	49.4	61.2	48.2
10:00 PM - 10:05 PM	51.8	55.2	51.1
10:05 PM - 10:10 PM	51.9	53.5	51.4
10:10 PM - 10:15 PM	51.3	53.7	50.5
10:15 PM - 10:20 PM	51.3	55.9	50.4
10:20 PM - 10:25 PM	51.5	54.1	50.7
10:25 PM - 10:30 PM	50.8	53.2	49.9
10:30 PM - 10:35 PM	51.2	55.1	50.3
10:35 PM - 10:40 PM	51.3	54.9	50.3
10:40 PM - 10:45 PM	51.7	55.1	50.8
10:45 PM - 10:50 PM	51.4	55.0	50.6
10:50 PM - 10:55 PM	51.3	54.8	50.4
10:55 PM - 11:00 PM	50.6	55.2	49.4
11:00 PM - 11:05 PM	50.2	54.4	49.0
11:05 PM - 11:10 PM	50.4	55.2	48.8
11:10 PM - 11:15 PM	54.9	67.5	47.9
11:15 PM - 11:20 PM	49.4	52.9	48.1
11:20 PM - 11:25 PM	49.5	55.7	48.4
11:25 PM - 11:30 PM	50.2	52.9	48.8
11:30 PM - 11:35 PM	50.2	53.0	48.8
11:35 PM - 11:40 PM	50.4	54.0	49.3
11:40 PM - 11:45 PM	50.3	52.6	49.3
11:45 PM - 11:50 PM	49.3	53.0	47.8
11:50 PM - 11:55 PM	50.2	56.0	49.1
11:55 PM - 12:00 AM	49.5	56.0	47.7
12:00 AM - 12:05 AM	49.8	60.2	48.2
12:05 AM - 12:10 AM	49.4	54.5	47.0
12:10 AM - 12:15 AM	48.5	54.9	46.2
12:15 AM - 12:20 AM	47.2	52.7	45.4

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Analysis / Test Report



TESTING
No.0009

Client : Asia Industrial Estate Co., Ltd.
49 Soi Pipat (Silom 3) Asia Sermkij Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500

Lot ID: 2358336
Date Received : May 30, 2023
Date Reported : Jun 09, 2023
Report No. : 2678432-1

P/O : สัญญาจ้าง
Project Name : Project AIE (Suwanaphumi)
Project Location :

Page 2 of 3

Sample No. 2358336-8
Parameter Noise
Location โรงเรือนวัดผลาต (GPS 47P 0703882, 1507716) (จุดข้างฝั่ง) (Shut down)
Measurement Date May 27 - 28, 2023
Measurement by Autit Aoonsim
Sound Level Meter 00873053

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:20 AM - 12:25 AM	47.8	65.7	45.2
12:25 AM - 12:30 AM	48.4	52.8	46.6
12:30 AM - 12:35 AM	47.1	51.7	44.4
12:35 AM - 12:40 AM	46.2	54.3	44.4
12:40 AM - 12:45 AM	47.1	55.6	45.4
12:45 AM - 12:50 AM	48.0	55.9	46.6
12:50 AM - 12:55 AM	46.8	56.4	44.9
12:55 AM - 01:00 AM	46.1	56.3	44.5
01:00 AM - 01:05 AM	48.0	51.9	45.3
01:05 AM - 01:10 AM	49.5	54.9	48.1
01:10 AM - 01:15 AM	49.3	54.1	48.1
01:15 AM - 01:20 AM	48.6	53.2	44.4
01:20 AM - 01:25 AM	46.6	53.6	45.2
01:25 AM - 01:30 AM	50.0	69.5	48.4
01:30 AM - 01:35 AM	49.3	53.8	48.2
01:35 AM - 01:40 AM	49.6	53.0	48.8
01:40 AM - 01:45 AM	50.5	63.9	49.1
01:45 AM - 01:50 AM	49.1	60.8	47.2
01:50 AM - 01:55 AM	47.7	54.4	45.4
01:55 AM - 02:00 AM	47.1	52.4	45.2
02:00 AM - 02:05 AM	46.2	50.3	44.4
02:05 AM - 02:10 AM	44.2	48.7	43.0
02:10 AM - 02:15 AM	43.4	46.8	42.5
02:15 AM - 02:20 AM	44.1	49.5	42.5
02:20 AM - 02:25 AM	44.1	53.1	43.3
02:25 AM - 02:30 AM	43.4	47.1	42.7
02:30 AM - 02:35 AM	43.6	51.0	42.5
02:35 AM - 02:40 AM	44.8	51.8	43.2
02:40 AM - 02:45 AM	45.1	50.1	44.1
02:45 AM - 02:50 AM	45.6	57.4	43.4
02:50 AM - 02:55 AM	46.9	57.1	45.6
02:55 AM - 03:00 AM	47.6	59.6	46.2
03:00 AM - 03:05 AM	47.8	59.5	46.1
03:05 AM - 03:10 AM	45.9	60.8	43.0
03:10 AM - 03:15 AM	47.7	64.0	44.5
03:15 AM - 03:20 AM	48.6	64.1	45.1
03:20 AM - 03:25 AM	52.5	72.2	43.2
03:25 AM - 03:30 AM	50.3	65.2	44.6
03:30 AM - 03:35 AM	50.9	65.3	46.0
03:35 AM - 03:40 AM	52.8	73.7	45.1

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Analysis / Test Report



TESTING
No.0009

Client : Asia Industrial Estate Co., Ltd.
49 Soi Pipat (Silom 3) Asia Sermkij Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500

Lot ID: 2358336
Date Received : May 30, 2023
Date Reported : Jun 09, 2023
Report No. : 2678432-1

P/O : สัญญาจ้าง
Project Name : Project AIE (Suwanaphumi)
Project Location :

Page 3 of 3

Sample No. 2358336-8
Parameter Noise
Location โรงเรียนวัดคลองลาด (GPS 47P 0703882, 1507716) (จุดข้างฝั่ง) (Shut down)
Measurement Date May 27 - 28, 2023
Measurement by Autit Aoonsim
Sound Level Meter 00873053

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:40 AM - 03:45 AM	51.7	64.9	46.4
03:45 AM - 03:50 AM	50.9	68.9	46.9
03:50 AM - 03:55 AM	49.5	64.2	46.3
03:55 AM - 04:00 AM	52.4	73.1	46.2
04:00 AM - 04:05 AM	49.5	59.3	47.9
04:05 AM - 04:10 AM	51.4	69.3	46.3
04:10 AM - 04:15 AM	46.2	51.8	44.5
04:15 AM - 04:20 AM	50.2	64.0	44.4
04:20 AM - 04:25 AM	56.0	76.2	45.2
04:25 AM - 04:30 AM	55.7	78.4	44.6
04:30 AM - 04:35 AM	48.2	64.5	45.2
04:35 AM - 04:40 AM	50.3	64.9	43.3
04:40 AM - 04:45 AM	50.3	66.6	45.4
04:45 AM - 04:50 AM	55.4	70.8	48.3
04:50 AM - 04:55 AM	54.5	62.7	52.0
04:55 AM - 05:00 AM	55.6	67.1	53.9
05:00 AM - 05:05 AM	57.5	67.1	56.5
05:05 AM - 05:10 AM	57.0	60.9	55.0
05:10 AM - 05:15 AM	52.7	60.8	50.9
05:15 AM - 05:20 AM	51.5	62.5	50.2
05:20 AM - 05:25 AM	53.0	61.7	51.7
05:25 AM - 05:30 AM	58.0	65.6	53.7
05:30 AM - 05:35 AM	60.3	75.9	58.9
05:35 AM - 05:40 AM	62.2	74.7	57.6
05:40 AM - 05:45 AM	62.5	76.3	58.9
05:45 AM - 05:50 AM	61.7	70.8	58.5
05:50 AM - 05:55 AM	61.7	69.8	60.0
05:55 AM - 06:00 AM	60.7	67.7	58.2
06:00 AM - 07:00 AM	57.6	78.3	54.3
07:00 AM - 08:00 AM	59.5	80.4	54.0
08:00 AM - 09:00 AM	55.1	79.9	46.3
09:00 AM - 10:00 AM	51.4	71.0	44.5

Reference Method : Based on ISO 1996-1 and ISO 1996-2

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Analysis / Test Report



TESTING
No.0009

Client : Asia Industrial Estate Co., Ltd.
49 Soi Pipat (Silom 3) Asia Sermkij Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500

Lot ID: 2358336
Date Received : May 30, 2023
Date Reported : Jun 09, 2023
Report No. : 2678437-1

P/O : สัญญาจ้าง
Project Name : Project AIE (Suwanaphumi)
Project Location :

Page 1 of 3

Sample No. 2358336-13
Parameter Noise
Location สำนักงานเทศบาลตำบลคลองสน (GPS 47P 0710875, 1510800) (จุดข้างฝั่ง) (Shut down)
Measurement Date May 24 - 25, 2023
Measurement by Autit Aoonsim
Sound Level Meter 00584982

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
01:00 PM - 02:00 PM	45.1	78.0	39.8
02:00 PM - 03:00 PM	46.1	67.7	40.7
03:00 PM - 04:00 PM	46.4	76.5	41.5
04:00 PM - 05:00 PM	46.5	66.1	42.4
05:00 PM - 06:00 PM	52.1	74.9	42.4
06:00 PM - 07:00 PM	48.6	69.5	41.3
07:00 PM - 08:00 PM	45.9	69.0	41.1
08:00 PM - 09:00 PM	44.8	61.7	43.6
09:00 PM - 10:00 PM	47.2	65.5	45.4
10:00 PM - 10:05 PM	46.7	50.1	45.8
10:05 PM - 10:10 PM	46.8	50.6	46.0
10:10 PM - 10:15 PM	47.2	50.8	46.1
10:15 PM - 10:20 PM	47.7	50.1	46.9
10:20 PM - 10:25 PM	47.3	50.3	46.6
10:25 PM - 10:30 PM	47.8	51.2	46.9
10:30 PM - 10:35 PM	47.9	53.7	47.2
10:35 PM - 10:40 PM	47.9	52.7	47.2
10:40 PM - 10:45 PM	47.5	51.3	46.7
10:45 PM - 10:50 PM	47.0	53.7	45.9
10:50 PM - 10:55 PM	47.5	55.8	46.5
10:55 PM - 11:00 PM	48.2	53.7	47.4
11:00 PM - 11:05 PM	48.2	51.6	47.4
11:05 PM - 11:10 PM	47.7	51.0	46.9
11:10 PM - 11:15 PM	48.5	52.8	47.6
11:15 PM - 11:20 PM	49.5	56.0	48.1
11:20 PM - 11:25 PM	48.9	56.1	48.1
11:25 PM - 11:30 PM	50.2	61.7	48.0
11:30 PM - 11:35 PM	48.3	51.1	47.5
11:35 PM - 11:40 PM	49.3	60.1	47.9
11:40 PM - 11:45 PM	48.1	52.9	47.2
11:45 PM - 11:50 PM	48.0	54.6	47.2
11:50 PM - 11:55 PM	48.4	56.7	47.3
11:55 PM - 12:00 AM	49.3	58.5	47.5
12:00 AM - 12:05 AM	49.9	52.9	48.2
12:05 AM - 12:10 AM	50.4	56.1	48.1
12:10 AM - 12:15 AM	47.6	51.5	46.8
12:15 AM - 12:20 AM	48.3	55.4	47.2
12:20 AM - 12:25 AM	47.5	49.7	46.8
12:25 AM - 12:30 AM	47.5	50.0	46.8
12:30 AM - 12:35 AM	47.5	49.6	46.8

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Analysis / Test Report



TESTING
No.0009

Client : Asia Industrial Estate Co., Ltd.
49 Soi Pipat (Silom 3) Asia Sermkij Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500

P/O : สัตยกุลกิจ

Project Name : Project AIE (Suwanaphumi)

Project Location :

Lot ID: 2358336

Date Received : May 30, 2023

Date Reported : Jun 09, 2023

Report No. : 2678437-1

Page 2 of 3

Sample No. 2358336-13
Parameter Noise
Location สำนักงานเทศบาลตำบลคลองสวน (GPS 47P 0710875, 1510800) (จุดข้างฝั่ง) (Shut down)
Measurement Date May 24 - 25, 2023
Measurement by Autit Aoonsim
Sound Level Meter 00584982

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:35 AM - 12:40 AM	47.9	52.9	47.0
12:40 AM - 12:45 AM	49.4	58.6	46.7
12:45 AM - 12:50 AM	54.1	70.7	47.3
12:50 AM - 12:55 AM	47.6	60.8	45.7
12:55 AM - 01:00 AM	46.9	61.2	44.9
01:00 AM - 01:05 AM	48.1	60.6	44.6
01:05 AM - 01:10 AM	49.5	62.7	44.0
01:10 AM - 01:15 AM	50.4	68.7	43.8
01:15 AM - 01:20 AM	48.1	66.4	43.5
01:20 AM - 01:25 AM	47.8	65.2	43.9
01:25 AM - 01:30 AM	59.3	84.3	44.2
01:30 AM - 01:35 AM	50.0	69.1	43.7
01:35 AM - 01:40 AM	58.1	74.1	44.3
01:40 AM - 01:45 AM	58.9	80.2	45.6
01:45 AM - 01:50 AM	46.7	65.9	40.4
01:50 AM - 01:55 AM	54.6	72.1	40.1
01:55 AM - 02:00 AM	54.0	65.3	45.6
02:00 AM - 02:05 AM	54.7	66.3	48.1
02:05 AM - 02:10 AM	48.3	61.8	43.2
02:10 AM - 02:15 AM	47.7	67.2	40.7
02:15 AM - 02:20 AM	44.9	59.5	40.4
02:20 AM - 02:25 AM	46.3	59.4	41.6
02:25 AM - 02:30 AM	44.9	61.8	39.5
02:30 AM - 02:35 AM	44.1	55.3	39.9
02:35 AM - 02:40 AM	45.7	56.3	41.3
02:40 AM - 02:45 AM	47.1	57.3	43.8
02:45 AM - 02:50 AM	46.4	56.6	44.3
02:50 AM - 02:55 AM	48.3	63.0	44.6
02:55 AM - 03:00 AM	45.4	48.8	44.6
03:00 AM - 03:05 AM	44.1	50.6	39.7
03:05 AM - 03:10 AM	47.2	56.9	40.2
03:10 AM - 03:15 AM	48.6	57.7	45.7
03:15 AM - 03:20 AM	49.3	63.1	45.5
03:20 AM - 03:25 AM	46.2	55.3	45.4
03:25 AM - 03:30 AM	46.8	56.7	45.9
03:30 AM - 03:35 AM	46.1	50.1	45.4
03:35 AM - 03:40 AM	46.7	57.0	45.9
03:40 AM - 03:45 AM	47.1	51.0	45.9
03:45 AM - 03:50 AM	44.4	49.6	43.1
03:50 AM - 03:55 AM	45.8	57.9	43.0

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Analysis / Test Report



TESTING
No.0009

Client : Asia Industrial Estate Co., Ltd.
49 Soi Pipat (Silom 3) Asia Sermkij Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500

P/O : สัตยกุลกิจ

Project Name : Project AIE (Suwanaphumi)

Project Location :

Lot ID: 2358336

Date Received : May 30, 2023

Date Reported : Jun 09, 2023

Report No. : 2678437-1

Page 3 of 3

Sample No. 2358336-13
Parameter Noise
Location สำนักงานเทศบาลตำบลคลองสวน (GPS 47P 0710875, 1510800) (จุดข้างฝั่ง) (Shut down)
Measurement Date May 24 - 25, 2023
Measurement by Autit Aoonsim
Sound Level Meter 00584982

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:55 AM - 04:00 AM	44.0	47.3	43.3
04:00 AM - 04:05 AM	43.5	47.8	43.0
04:05 AM - 04:10 AM	46.7	54.6	43.7
04:10 AM - 04:15 AM	45.6	56.8	43.5
04:15 AM - 04:20 AM	48.9	61.0	43.4
04:20 AM - 04:25 AM	43.8	48.5	42.8
04:25 AM - 04:30 AM	46.5	55.4	43.0
04:30 AM - 04:35 AM	45.6	54.0	44.4
04:35 AM - 04:40 AM	46.2	58.2	44.4
04:40 AM - 04:45 AM	46.1	54.0	44.8
04:45 AM - 04:50 AM	46.9	51.2	45.7
04:50 AM - 04:55 AM	48.2	55.8	45.6
04:55 AM - 05:00 AM	48.3	57.2	46.0
05:00 AM - 05:05 AM	47.8	55.3	46.5
05:05 AM - 05:10 AM	46.8	50.5	46.1
05:10 AM - 05:15 AM	47.5	57.4	45.9
05:15 AM - 05:20 AM	48.9	58.2	46.5
05:20 AM - 05:25 AM	53.8	63.8	48.4
05:25 AM - 05:30 AM	51.5	65.3	47.5
05:30 AM - 05:35 AM	53.1	64.2	48.2
05:35 AM - 05:40 AM	62.4	85.6	48.8
05:40 AM - 05:45 AM	50.3	61.3	47.3
05:45 AM - 05:50 AM	54.3	69.1	46.5
05:50 AM - 05:55 AM	50.3	63.0	47.3
05:55 AM - 06:00 AM	49.3	65.3	45.5
06:00 AM - 07:00 AM	50.6	71.1	46.5
07:00 AM - 08:00 AM	52.6	79.6	47.7
08:00 AM - 09:00 AM	52.0	80.7	45.2
09:00 AM - 10:00 AM	47.7	72.7	41.5
10:00 AM - 11:00 AM	49.4	71.9	45.7
11:00 AM - 12:00 PM	47.0	74.1	41.2
12:00 PM - 01:00 PM	47.7	66.4	41.5

Reference Method : Based on ISO 1996-1 and ISO 1996-2

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Analysis / Test Report



TESTING
No.0009

Client : Asia Industrial Estate Co., Ltd.
49 Soi Pipat (Silom 3) Asia Sermkij Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500

Lot ID: 2358336
Date Received : May 30, 2023
Date Reported : Jun 09, 2023
Report No. : 2678438-1

P/O : สัญญาจ้าง
Project Name : Project AIE (Suwanaphumi)
Project Location :

Page 1 of 3

Sample No. 2358336-14
Parameter Noise
Location สำนักงานเทศบาลตำบลคลองสวน (GPS 47P 0710875, 1510800) (จุดช้างวิ่ง) (Shut down)
Measurement Date May 25 - 26, 2023
Measurement by Autit Aoonsim
Sound Level Meter 00584982

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
01:00 PM - 02:00 PM	48.9	68.4	42.4
02:00 PM - 03:00 PM	46.9	71.2	42.2
03:00 PM - 04:00 PM	48.3	70.2	42.9
04:00 PM - 05:00 PM	47.8	68.3	42.9
05:00 PM - 06:00 PM	48.8	79.2	43.0
06:00 PM - 07:00 PM	53.5	80.8	42.5
07:00 PM - 08:00 PM	46.1	66.2	43.6
08:00 PM - 09:00 PM	48.8	60.5	48.0
09:00 PM - 10:00 PM	48.1	61.5	47.0
10:00 PM - 10:05 PM	47.8	58.9	47.2
10:05 PM - 10:10 PM	48.1	52.1	47.3
10:10 PM - 10:15 PM	48.3	50.3	47.6
10:15 PM - 10:20 PM	51.1	69.6	47.5
10:20 PM - 10:25 PM	48.3	59.4	47.5
10:25 PM - 10:30 PM	48.3	57.4	47.1
10:30 PM - 10:35 PM	48.2	56.2	47.1
10:35 PM - 10:40 PM	48.1	52.3	47.4
10:40 PM - 10:45 PM	49.6	60.5	46.7
10:45 PM - 10:50 PM	47.9	52.8	47.1
10:50 PM - 10:55 PM	48.3	60.0	47.3
10:55 PM - 11:00 PM	49.6	63.6	47.6
11:00 PM - 11:05 PM	47.6	49.8	46.7
11:05 PM - 11:10 PM	47.8	50.7	47.1
11:10 PM - 11:15 PM	47.8	50.2	46.9
11:15 PM - 11:20 PM	47.8	51.1	46.9
11:20 PM - 11:25 PM	47.6	52.1	46.6
11:25 PM - 11:30 PM	47.2	49.2	46.2
11:30 PM - 11:35 PM	47.2	49.9	46.4
11:35 PM - 11:40 PM	47.1	50.4	46.3
11:40 PM - 11:45 PM	47.1	54.7	45.7
11:45 PM - 11:50 PM	47.2	49.7	46.3
11:50 PM - 11:55 PM	51.2	63.8	46.8
11:55 PM - 12:00 AM	47.6	53.4	46.8
12:00 AM - 12:05 AM	47.3	50.4	46.4
12:05 AM - 12:10 AM	47.2	49.7	46.4
12:10 AM - 12:15 AM	47.5	49.9	46.7
12:15 AM - 12:20 AM	47.6	57.8	46.5
12:20 AM - 12:25 AM	47.7	53.1	46.6
12:25 AM - 12:30 AM	48.0	50.6	47.1
12:30 AM - 12:35 AM	47.7	55.5	45.2

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Analysis / Test Report



TESTING
No.0009

Client : Asia Industrial Estate Co., Ltd.
49 Soi Pipat (Silom 3) Asia Sermkij Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500

Lot ID: 2358336
Date Received : May 30, 2023
Date Reported : Jun 09, 2023
Report No. : 2678438-1

P/O : สัญญาจ้าง
Project Name : Project AIE (Suwanaphumi)
Project Location :

Page 2 of 3

Sample No. 2358336-14
Parameter Noise
Location สำนักงานเทศบาลตำบลคลองสวน (GPS 47P 0710875, 1510800) (จุดช้างวิ่ง) (Shut down)
Measurement Date May 25 - 26, 2023
Measurement by Autit Aoonsim
Sound Level Meter 00584982

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:35 AM - 12:40 AM	47.5	56.1	45.2
12:40 AM - 12:45 AM	48.4	51.6	47.3
12:45 AM - 12:50 AM	48.5	54.7	47.4
12:50 AM - 12:55 AM	48.5	51.1	47.6
12:55 AM - 01:00 AM	47.2	53.4	45.5
01:00 AM - 01:05 AM	45.8	49.8	44.9
01:05 AM - 01:10 AM	45.4	51.2	44.5
01:10 AM - 01:15 AM	46.2	61.9	45.2
01:15 AM - 01:20 AM	46.3	58.2	45.4
01:20 AM - 01:25 AM	46.5	52.2	45.5
01:25 AM - 01:30 AM	46.5	52.8	45.5
01:30 AM - 01:35 AM	46.3	48.5	45.3
01:35 AM - 01:40 AM	46.9	57.8	45.0
01:40 AM - 01:45 AM	45.2	51.5	43.2
01:45 AM - 01:50 AM	45.3	53.3	43.4
01:50 AM - 01:55 AM	44.4	52.0	43.1
01:55 AM - 02:00 AM	47.6	55.2	45.5
02:00 AM - 02:05 AM	48.8	53.5	45.6
02:05 AM - 02:10 AM	48.3	53.6	44.9
02:10 AM - 02:15 AM	47.5	55.9	44.7
02:15 AM - 02:20 AM	49.3	57.1	46.8
02:20 AM - 02:25 AM	48.7	52.4	47.1
02:25 AM - 02:30 AM	49.4	52.9	48.1
02:30 AM - 02:35 AM	49.2	52.7	47.9
02:35 AM - 02:40 AM	48.7	53.3	47.5
02:40 AM - 02:45 AM	46.9	50.5	43.8
02:45 AM - 02:50 AM	44.0	47.4	42.5
02:50 AM - 02:55 AM	45.3	48.6	44.2
02:55 AM - 03:00 AM	45.7	53.8	44.1
03:00 AM - 03:05 AM	52.0	60.3	45.2
03:05 AM - 03:10 AM	47.4	59.3	45.0
03:10 AM - 03:15 AM	46.5	49.4	45.3
03:15 AM - 03:20 AM	48.9	53.6	46.0
03:20 AM - 03:25 AM	50.1	53.3	48.8
03:25 AM - 03:30 AM	50.3	52.9	49.2
03:30 AM - 03:35 AM	63.0	63.0	49.4
03:35 AM - 03:40 AM	50.5	53.8	49.4
03:40 AM - 03:45 AM	66.1	66.1	49.2
03:45 AM - 03:50 AM	52.8	66.9	48.2
03:50 AM - 03:55 AM	50.2	62.2	48.1

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Analysis / Test Report



TESTING
No.0009

Client : Asia Industrial Estate Co., Ltd.
49 Soi Pipat (Silom 3) Asia Sermkij Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500

Lot ID: 2358336
Date Received : May 30, 2023
Date Reported : Jun 09, 2023
Report No. : 2678438-1

P/O : สัญญาจ้าง
Project Name : Project AIE (Suwanaphumi)
Project Location :

Page 3 of 3

Sample No. 2358336-14
Parameter Noise
Location สำนักงานเทศบาลตำบลคลองสวน (GPS 47P 0710875, 1510800) (จุดอ้างอิง) (Shut down)
Measurement Date May 25 - 26, 2023
Measurement by Autit Aoonsim
Sound Level Meter 00584982

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:55 AM - 04:00 AM	49.9	53.5	47.9
04:00 AM - 04:05 AM	49.7	56.3	47.5
04:05 AM - 04:10 AM	50.3	56.0	48.7
04:10 AM - 04:15 AM	50.0	54.5	47.0
04:15 AM - 04:20 AM	51.5	54.7	50.4
04:20 AM - 04:25 AM	51.4	54.4	50.1
04:25 AM - 04:30 AM	52.4	60.0	50.5
04:30 AM - 04:35 AM	51.7	55.3	50.0
04:35 AM - 04:40 AM	51.2	57.3	49.5
04:40 AM - 04:45 AM	51.9	54.9	50.5
04:45 AM - 04:50 AM	51.6	55.5	50.0
04:50 AM - 04:55 AM	51.8	58.1	50.4
04:55 AM - 05:00 AM	52.4	56.8	49.7
05:00 AM - 05:05 AM	52.9	63.5	49.7
05:05 AM - 05:10 AM	50.0	57.5	47.8
05:10 AM - 05:15 AM	50.3	61.1	48.0
05:15 AM - 05:20 AM	51.9	63.5	50.0
05:20 AM - 05:25 AM	52.7	58.9	50.9
05:25 AM - 05:30 AM	53.2	61.2	51.2
05:30 AM - 05:35 AM	51.8	61.5	48.4
05:35 AM - 05:40 AM	50.6	60.5	48.1
05:40 AM - 05:45 AM	49.9	62.0	46.9
05:45 AM - 05:50 AM	54.5	72.1	48.4
05:50 AM - 05:55 AM	53.3	63.7	48.5
05:55 AM - 06:00 AM	50.8	63.2	48.0
06:00 AM - 07:00 AM	51.6	68.6	47.8
07:00 AM - 08:00 AM	49.5	71.1	44.7
08:00 AM - 09:00 AM	50.3	69.2	46.3
09:00 AM - 10:00 AM	51.9	75.3	47.2
10:00 AM - 11:00 AM	50.6	79.3	45.3
11:00 AM - 12:00 PM	55.5	80.9	45.0
12:00 PM - 01:00 PM	47.5	66.4	43.3

Reference Method : Based on ISO 1996-1 and ISO 1996-2

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Analysis / Test Report



TESTING
No.0009

Client : Asia Industrial Estate Co., Ltd.
49 Soi Pipat (Silom 3) Asia Sermkij Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500

Lot ID: 2358336
Date Received : May 30, 2023
Date Reported : Jun 09, 2023
Report No. : 2678439-1

P/O : สัญญาจ้าง
Project Name : Project AIE (Suwanaphumi)
Project Location :

Page 1 of 3

Sample No. 2358336-15
Parameter Noise
Location สำนักงานเทศบาลตำบลคลองสวน (GPS 47P 0710875, 1510800) (จุดอ้างอิง) (Shut down)
Measurement Date May 26 - 27, 2023
Measurement by Autit Aoonsim
Sound Level Meter 00584982

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
01:00 PM - 02:00 PM	48.1	64.6	43.8
02:00 PM - 03:00 PM	47.6	67.9	42.4
03:00 PM - 04:00 PM	47.5	82.1	41.3
04:00 PM - 05:00 PM	46.4	71.0	41.9
05:00 PM - 06:00 PM	47.0	74.2	40.6
06:00 PM - 07:00 PM	46.1	72.5	41.0
07:00 PM - 08:00 PM	47.6	66.7	45.7
08:00 PM - 09:00 PM	47.9	55.6	46.7
09:00 PM - 10:00 PM	47.3	72.9	43.5
10:00 PM - 10:05 PM	50.9	65.6	43.0
10:05 PM - 10:10 PM	44.7	57.5	42.1
10:10 PM - 10:15 PM	44.6	51.0	42.2
10:15 PM - 10:20 PM	51.0	68.0	43.6
10:20 PM - 10:25 PM	54.7	73.8	44.1
10:25 PM - 10:30 PM	46.3	57.9	43.3
10:30 PM - 10:35 PM	46.2	56.0	43.3
10:35 PM - 10:40 PM	49.2	62.5	43.4
10:40 PM - 10:45 PM	43.9	51.3	42.3
10:45 PM - 10:50 PM	44.4	49.1	42.9
10:50 PM - 10:55 PM	45.4	55.1	43.2
10:55 PM - 11:00 PM	46.0	51.4	43.8
11:00 PM - 11:05 PM	45.9	54.9	44.1
11:05 PM - 11:10 PM	44.9	48.6	43.5
11:10 PM - 11:15 PM	44.6	52.0	42.9
11:15 PM - 11:20 PM	45.7	54.7	43.4
11:20 PM - 11:25 PM	45.7	52.1	43.5
11:25 PM - 11:30 PM	44.6	51.6	43.2
11:30 PM - 11:35 PM	47.7	61.4	43.4
11:35 PM - 11:40 PM	44.3	50.0	42.3
11:40 PM - 11:45 PM	44.4	51.3	42.6
11:45 PM - 11:50 PM	45.4	54.1	43.1
11:50 PM - 11:55 PM	45.3	51.8	43.0
11:55 PM - 12:00 AM	46.1	62.3	41.8
12:00 AM - 12:05 AM	44.6	54.9	42.2
12:05 AM - 12:10 AM	43.3	57.7	41.0
12:10 AM - 12:15 AM	44.1	56.8	41.0
12:15 AM - 12:20 AM	42.0	45.1	41.1
12:20 AM - 12:25 AM	42.6	55.4	41.2
12:25 AM - 12:30 AM	43.9	50.0	42.0
12:30 AM - 12:35 AM	44.4	55.5	42.3

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Analysis / Test Report



TESTING
No.0009

Client : Asia Industrial Estate Co., Ltd.
49 Soi Pipat (Silom 3) Asia Sermkij Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500

Lot ID: 2358336
Date Received : May 30, 2023
Date Reported : Jun 09, 2023
Report No. : 2678439-1

P/O : สัญญาจ้าง
Project Name : Project AIE (Suwanaphumi)
Project Location :

Page 2 of 3

Sample No. 2358336-15
Parameter Noise
Location สำนักงานเทศบาลตำบลคลองสวน (GPS 47P 0710875, 1510800) (จุดอ้างอิง) (Shut down)
Measurement Date May 26 - 27, 2023
Measurement by Autit Aoonsim
Sound Level Meter 00584982

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:35 AM - 12:40 AM	46.5	65.6	42.0
12:40 AM - 12:45 AM	42.9	47.9	41.2
12:45 AM - 12:50 AM	43.3	49.5	41.7
12:50 AM - 12:55 AM	43.4	49.0	42.1
12:55 AM - 01:00 AM	42.5	46.8	41.6
01:00 AM - 01:05 AM	44.2	51.8	42.5
01:05 AM - 01:10 AM	43.5	50.6	41.7
01:10 AM - 01:15 AM	50.1	67.5	42.2
01:15 AM - 01:20 AM	44.1	57.5	40.4
01:20 AM - 01:25 AM	41.6	50.3	40.3
01:25 AM - 01:30 AM	43.4	59.8	41.5
01:30 AM - 01:35 AM	44.2	54.8	42.3
01:35 AM - 01:40 AM	45.4	55.8	42.9
01:40 AM - 01:45 AM	43.3	56.6	40.4
01:45 AM - 01:50 AM	41.6	52.4	39.8
01:50 AM - 01:55 AM	42.9	62.6	40.6
01:55 AM - 02:00 AM	41.5	48.2	40.7
02:00 AM - 02:05 AM	41.2	50.0	39.9
02:05 AM - 02:10 AM	41.6	51.5	39.1
02:10 AM - 02:15 AM	45.5	64.3	39.9
02:15 AM - 02:20 AM	48.0	70.0	39.7
02:20 AM - 02:25 AM	44.8	60.9	39.2
02:25 AM - 02:30 AM	43.4	61.9	39.3
02:30 AM - 02:35 AM	49.7	74.3	41.4
02:35 AM - 02:40 AM	54.5	76.8	41.5
02:40 AM - 02:45 AM	48.3	66.2	43.4
02:45 AM - 02:50 AM	51.5	64.2	46.6
02:50 AM - 02:55 AM	65.4	91.9	44.4
02:55 AM - 03:00 AM	49.5	61.4	44.5
03:00 AM - 03:05 AM	55.1	76.4	48.8
03:05 AM - 03:10 AM	58.3	79.6	45.4
03:10 AM - 03:15 AM	55.4	75.0	44.7
03:15 AM - 03:20 AM	58.5	70.4	50.4
03:20 AM - 03:25 AM	80.8	108.0	59.2
03:25 AM - 03:30 AM	58.5	71.3	51.6
03:30 AM - 03:35 AM	55.4	72.0	46.9
03:35 AM - 03:40 AM	58.1	80.8	43.9
03:40 AM - 03:45 AM	58.2	77.3	43.5
03:45 AM - 03:50 AM	61.2	78.5	44.3
03:50 AM - 03:55 AM	61.4	81.7	43.3

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Analysis / Test Report



TESTING
No.0009

Client : Asia Industrial Estate Co., Ltd.
49 Soi Pipat (Silom 3) Asia Sermkij Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500

Lot ID: 2358336
Date Received : May 30, 2023
Date Reported : Jun 09, 2023
Report No. : 2678439-1

P/O : สัญญาจ้าง
Project Name : Project AIE (Suwanaphumi)
Project Location :

Page 3 of 3

Sample No. 2358336-15
Parameter Noise
Location สำนักงานเทศบาลตำบลคลองสวน (GPS 47P 0710875, 1510800) (จุดอ้างอิง) (Shut down)
Measurement Date May 26 - 27, 2023
Measurement by Autit Aoonsim
Sound Level Meter 00584982

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:55 AM - 04:00 AM	58.4	75.7	45.1
04:00 AM - 04:05 AM	55.3	72.5	47.2
04:05 AM - 04:10 AM	57.8	73.9	50.9
04:10 AM - 04:15 AM	59.0	81.4	52.4
04:15 AM - 04:20 AM	57.3	74.3	49.5
04:20 AM - 04:25 AM	56.7	71.4	49.9
04:25 AM - 04:30 AM	56.6	79.6	48.0
04:30 AM - 04:35 AM	53.7	72.2	48.5
04:35 AM - 04:40 AM	53.6	67.5	51.1
04:40 AM - 04:45 AM	52.5	57.1	51.6
04:45 AM - 04:50 AM	53.1	58.9	52.1
04:50 AM - 04:55 AM	52.7	55.9	48.7
04:55 AM - 05:00 AM	53.0	55.8	52.0
05:00 AM - 05:05 AM	52.6	55.5	51.8
05:05 AM - 05:10 AM	53.0	59.7	49.7
05:10 AM - 05:15 AM	51.1	57.9	49.6
05:15 AM - 05:20 AM	51.3	67.8	49.2
05:20 AM - 05:25 AM	51.2	62.9	48.8
05:25 AM - 05:30 AM	60.6	60.6	49.9
05:30 AM - 05:35 AM	51.4	61.3	47.8
05:35 AM - 05:40 AM	51.9	62.7	48.8
05:40 AM - 05:45 AM	52.7	61.2	49.9
05:45 AM - 05:50 AM	51.6	59.7	48.7
05:50 AM - 05:55 AM	52.7	70.4	48.1
05:55 AM - 06:00 AM	52.5	61.9	47.5
06:00 AM - 07:00 AM	51.5	70.7	47.6
07:00 AM - 08:00 AM	52.2	72.3	49.0
08:00 AM - 09:00 AM	51.8	72.3	47.6
09:00 AM - 10:00 AM	53.2	77.6	45.3
10:00 AM - 11:00 AM	48.1	82.2	41.5
11:00 AM - 12:00 PM	45.4	70.1	41.3
12:00 PM - 01:00 PM	45.1	67.8	39.5

Reference Method : Based on ISO 1996-1 and ISO 1996-2

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Analysis / Test Report



TESTING
No.0009

Client : Asia Industrial Estate Co., Ltd.
49 Soi Pipat (Silom 3) Asia Sermkij Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500

Lot ID: 2358336
Date Received : May 30, 2023
Date Reported : Jun 09, 2023
Report No. : 2678440-1

P/O : สัญญาจ้าง
Project Name : Project AIE (Suwanaphumi)
Project Location :

Page 1 of 3

Sample No. 2358336-16
Parameter Noise
Location สำนักงานเทศบาลตำบลคลองสวน (GPS 47P 0710875, 1510800) (จุดข้างฝั่ง) (Shut down)
Measurement Date May 27 - 28, 2023
Measurement by Autit Aoonsim
Sound Level Meter 00584982

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
01:00 PM - 02:00 PM	49.7	74.8	42.6
02:00 PM - 03:00 PM	45.7	69.4	40.1
03:00 PM - 04:00 PM	46.6	72.4	39.9
04:00 PM - 05:00 PM	47.2	71.1	42.0
05:00 PM - 06:00 PM	47.3	69.4	41.3
06:00 PM - 07:00 PM	50.8	79.0	42.3
07:00 PM - 08:00 PM	51.3	62.5	49.6
08:00 PM - 09:00 PM	51.7	69.1	50.4
09:00 PM - 10:00 PM	50.5	68.1	49.0
10:00 PM - 10:05 PM	48.0	49.9	47.3
10:05 PM - 10:10 PM	54.6	68.6	47.8
10:10 PM - 10:15 PM	52.1	62.7	47.1
10:15 PM - 10:20 PM	47.9	56.0	46.9
10:20 PM - 10:25 PM	46.9	55.8	46.0
10:25 PM - 10:30 PM	47.5	51.9	46.5
10:30 PM - 10:35 PM	48.2	54.9	47.1
10:35 PM - 10:40 PM	48.2	50.6	47.5
10:40 PM - 10:45 PM	48.3	50.1	47.5
10:45 PM - 10:50 PM	48.0	58.9	47.0
10:50 PM - 10:55 PM	47.5	50.3	46.5
10:55 PM - 11:00 PM	47.7	55.8	46.4
11:00 PM - 11:05 PM	46.9	49.8	45.6
11:05 PM - 11:10 PM	47.2	52.4	46.1
11:10 PM - 11:15 PM	47.5	52.6	45.8
11:15 PM - 11:20 PM	47.6	58.6	45.4
11:20 PM - 11:25 PM	48.0	59.6	45.1
11:25 PM - 11:30 PM	46.6	54.2	44.9
11:30 PM - 11:35 PM	52.0	61.1	47.0
11:35 PM - 11:40 PM	56.7	65.4	54.8
11:40 PM - 11:45 PM	54.9	67.7	52.0
11:45 PM - 11:50 PM	50.9	64.9	48.1
11:50 PM - 11:55 PM	47.3	61.3	46.1
11:55 PM - 12:00 AM	46.6	57.6	45.8
12:00 AM - 12:05 AM	45.8	56.4	45.2
12:05 AM - 12:10 AM	47.5	57.2	45.5
12:10 AM - 12:15 AM	47.1	51.0	46.4
12:15 AM - 12:20 AM	49.7	71.3	47.1
12:20 AM - 12:25 AM	50.6	67.9	47.6
12:25 AM - 12:30 AM	50.3	62.3	47.9
12:30 AM - 12:35 AM	51.8	60.7	48.6

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Analysis / Test Report



TESTING
No.0009

Client : Asia Industrial Estate Co., Ltd.
49 Soi Pipat (Silom 3) Asia Sermkij Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500

Lot ID: 2358336
Date Received : May 30, 2023
Date Reported : Jun 09, 2023
Report No. : 2678440-1

P/O : สัญญาจ้าง
Project Name : Project AIE (Suwanaphumi)
Project Location :

Page 2 of 3

Sample No. 2358336-16
Parameter Noise
Location สำนักงานเทศบาลตำบลคลองสวน (GPS 47P 0710875, 1510800) (จุดข้างฝั่ง) (Shut down)
Measurement Date May 27 - 28, 2023
Measurement by Autit Aoonsim
Sound Level Meter 00584982

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:35 AM - 12:40 AM	50.9	57.1	49.0
12:40 AM - 12:45 AM	51.4	60.7	50.4
12:45 AM - 12:50 AM	51.4	56.1	50.6
12:50 AM - 12:55 AM	49.9	53.1	49.1
12:55 AM - 01:00 AM	50.1	52.3	49.4
01:00 AM - 01:05 AM	50.4	54.0	49.6
01:05 AM - 01:10 AM	50.0	61.2	49.3
01:10 AM - 01:15 AM	49.9	53.1	49.2
01:15 AM - 01:20 AM	49.9	52.6	49.4
01:20 AM - 01:25 AM	50.2	52.7	49.4
01:25 AM - 01:30 AM	50.2	63.9	49.5
01:30 AM - 01:35 AM	51.5	55.9	50.6
01:35 AM - 01:40 AM	51.8	56.1	50.8
01:40 AM - 01:45 AM	51.2	54.8	50.7
01:45 AM - 01:50 AM	51.0	52.4	50.5
01:50 AM - 01:55 AM	51.1	54.9	50.6
01:55 AM - 02:00 AM	51.6	55.2	51.0
02:00 AM - 02:05 AM	51.9	53.8	51.2
02:05 AM - 02:10 AM	52.3	59.8	51.3
02:10 AM - 02:15 AM	51.9	55.2	51.1
02:15 AM - 02:20 AM	51.3	59.1	50.4
02:20 AM - 02:25 AM	51.5	59.4	50.8
02:25 AM - 02:30 AM	51.8	63.0	50.6
02:30 AM - 02:35 AM	51.4	62.2	50.4
02:35 AM - 02:40 AM	53.5	68.6	50.3
02:40 AM - 02:45 AM	55.1	69.3	49.1
02:45 AM - 02:50 AM	52.3	73.7	49.1
02:50 AM - 02:55 AM	52.5	67.2	49.6
02:55 AM - 03:00 AM	57.0	74.7	51.4
03:00 AM - 03:05 AM	62.4	77.2	55.8
03:05 AM - 03:10 AM	63.1	78.3	54.7
03:10 AM - 03:15 AM	59.7	73.7	53.1
03:15 AM - 03:20 AM	58.9	71.5	51.9
03:20 AM - 03:25 AM	64.7	83.1	51.0
03:25 AM - 03:30 AM	60.1	76.4	50.9
03:30 AM - 03:35 AM	58.5	76.6	50.3
03:35 AM - 03:40 AM	56.3	72.6	50.2
03:40 AM - 03:45 AM	54.6	69.6	48.4
03:45 AM - 03:50 AM	51.9	71.3	47.0
03:50 AM - 03:55 AM	53.3	69.2	48.3

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Approved by

Kanokorn Anek

Kanokorn Anek
Senior Manager

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Analysis / Test Report

TESTING
No.0009

Client : Asia Industrial Estate Co., Ltd.
49 Soi Pipat (Silom 3) Asia Sermkij Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500

Lot ID: 2358336
Date Received : May 30, 2023
Date Reported : Jun 09, 2023
Report No. : 2678440-1

P/O : สัญญาจ้าง
Project Name : Project AIE (Suwanaphumi)
Project Location :

Page 3 of 3

Sample No. 2358336-16
Parameter Noise
Location สำนักงานเทศบาลตำบลคลองสวน (GPS 47P 0710875, 1510800) (จอดค้างเครื่อง) (Shut down)
Measurement Date May 27 - 28, 2023
Measurement by Autit Aoonsim
Sound Level Meter 00584982

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:55 AM - 04:00 AM	51.1	64.2	49.3
04:00 AM - 04:05 AM	53.0	67.7	50.3
04:05 AM - 04:10 AM	56.0	68.7	52.6
04:10 AM - 04:15 AM	58.8	82.2	52.4
04:15 AM - 04:20 AM	53.9	64.3	52.4
04:20 AM - 04:25 AM	55.0	64.7	53.6
04:25 AM - 04:30 AM	54.7	61.9	53.1
04:30 AM - 04:35 AM	55.1	63.9	53.9
04:35 AM - 04:40 AM	56.2	63.2	55.1
04:40 AM - 04:45 AM	56.6	64.0	53.4
04:45 AM - 04:50 AM	56.6	59.2	55.5
04:50 AM - 04:55 AM	57.2	60.4	56.7
04:55 AM - 05:00 AM	57.1	60.6	56.6
05:00 AM - 05:05 AM	57.4	60.5	56.8
05:05 AM - 05:10 AM	57.6	62.7	56.8
05:10 AM - 05:15 AM	57.2	63.8	56.6
05:15 AM - 05:20 AM	55.4	63.5	53.8
05:20 AM - 05:25 AM	55.0	63.9	53.0
05:25 AM - 05:30 AM	55.6	64.5	52.6
05:30 AM - 05:35 AM	54.3	65.9	51.2
05:35 AM - 05:40 AM	52.1	66.1	50.2
05:40 AM - 05:45 AM	54.4	74.0	48.1
05:45 AM - 05:50 AM	50.3	62.3	47.1
05:50 AM - 05:55 AM	49.9	62.8	47.1
05:55 AM - 06:00 AM	50.2	64.4	47.0
06:00 AM - 07:00 AM	49.7	69.3	46.1
07:00 AM - 08:00 AM	50.6	71.9	46.5
08:00 AM - 09:00 AM	49.5	69.6	44.9
09:00 AM - 10:00 AM	50.7	75.5	43.4
10:00 AM - 11:00 AM	52.6	76.7	43.4
11:00 AM - 12:00 PM	49.7	80.6	42.0
12:00 PM - 01:00 PM	44.5	63.4	38.9

Reference Method : Based on ISO 1996-1 and ISO 1996-2

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Approved by

Kanokkorn Anek
Senior Manager

ภาคผนวก ค-3

คุณภาพน้ำก่อนเข้าระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ



Analysis / Test Report

TESTING
No.0009

Lot ID: 231555

Date Received : Jan 17, 2023

Date Reported : Jan 25, 2023

Report Number : 2535406-1

Client : Asia Industrial Estate Co., Ltd.

49 Soi Pipat (Silom 3) Asia Sermkij Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500

P/O : สกฤดาจ่าง

Project Name : Project AIE (Suwanaphumi)

Project Location :

Page 1 of 3

Sample Number	231555-1						
Sampled Date	Jan 17, 2023 8:55 AM						
Sample Description	น้ำก่อนเข้าระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ						
Location	ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ : บริเวณบ่อปรับสภาพน้ำ						
Date Analysis Commenced	Jan 18, 2023						
Condition of Sample	Contained in two glass vials, one amber glass bottle and six plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Arsenic	mg/L	0.0003	0.0005	0.003	≤0.25	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Cadmium	mg/L	0.0003	0.0005	Not Detected	≤0.03	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Copper	mg/L	0.0003	0.0005	0.006	≤1.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Hexavalent Chromium	mg/L	0.003	0.01	Not Detected	≤0.25	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3500-Cr B	Bangkok
Lead	mg/L	0.0003	0.0005	0.002	≤0.2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Manganese	mg/L	0.0003	0.0005	0.41	≤5.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Mercury *	mg/L	0.0001	0.0005	Not Detected	≤0.005	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3112	Bangkok
Nickel	mg/L	0.0003	0.0005	0.20	≤1.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok

Technical Management

Siriluk P.

Siriluk Puengpang
Supervisor

ทะเบียนเลขที่ ว-204-จ-4720

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: 231555

Date Received : Jan 17, 2023

Date Reported : Jan 25, 2023

Report Number : 2535406-1

Client : Asia Industrial Estate Co., Ltd.

49 Soi Pipat (Silom 3) Asia Sermkij Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500

P/O : สกฤดาจ่าง

Project Name : Project AIE (Suwanaphumi)

Project Location :

Page 2 of 3

Sample Number	231555-1						
Sampled Date	Jan 17, 2023 8:55 AM						
Sample Description	น้ำก่อนเข้าระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ						
Location	ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ : บริเวณบ่อปรับสภาพน้ำ						
Date Analysis Commenced	Jan 18, 2023						
Condition of Sample	Contained in two glass vials, one amber glass bottle and six plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Zinc	mg/L	0.003	0.005	0.79	≤5.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Water Testing							
BOD (5 days at 20 degree C)	mg/L	-	2.0	7.1	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	85	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Cyanide as CN *	mg/L	0.002	0.005	<0.005	≤0.2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - CN (C, E)	Bangkok
Oil & Grease *	mg/L	-	3	4	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH at 25 degree C *		-	-	7.7	6.5-8.5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	29.5	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	668	≤1300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Bangkok

Technical Management

Siriluk P.

Siriluk Puengpang
Supervisor

ทะเบียนเลขที่ ว-204-จ-4720

Approved by

Kanok Korn Anek

Kanok Korn Anek
Senior Manager

ทะเบียนเลขที่ ว-204-ค-6111

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Analysis / Test Report

Client : Asia Industrial Estate Co., Ltd.

49 Soi Pipat (Silom 3) Asia Sermkij Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500

P/O : สกฤดากร

Project Name : Project AIE (Suwanaphumi)

Project Location :



TESTING
No.0009

Lot ID: 231555

Date Received : Jan 17, 2023

Date Reported : Jan 25, 2023

Report Number : 2535406-1

Page 3 of 3

Sample Number	231555-1
Sampled Date	Jan 17, 2023 8:55 AM
Sample Description	น้ำก่อนเข้าระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ
Location	ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ : บริเวณบ่อปรับสภาพน้ำ
Date Analysis Commenced	Jan 18, 2023
Condition of Sample	Contained in two glass vials, one amber glass bottle and six plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	32	≤200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of Asia Industrial Estate, Maximum levels for wastewater discharging to central wastewater treatment plant.

Sampling By : Thanwa Jariya ทะเบียนเลขที่ ว-204-จ-5414

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

Siriluk P.

Siriluk Puengpang

Supervisor

ทะเบียนเลขที่ ว-204-จ-4720

Approved by

Kanokkorn Anek

Senior Manager

ทะเบียนเลขที่ ว-204-ก-6111

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Analysis / Test Report

Client : Asia Industrial Estate Co., Ltd.

49 Soi Pipat (Silom 3) Asia Sermkij Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500

P/O : สกฤดากร

Project Name : Project AIE (Suwanaphumi)

Project Location :

Lot ID: 231555

Date Received : Jan 17, 2023

Date Reported : Jan 25, 2023

Report Number : 2535406-2

Page 1 of 1

Sample Number	231555-1
Sampled Date	Jan 17, 2023 8:55 AM
Sample Description	น้ำก่อนเข้าระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ
Location	ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ : บริเวณบ่อปรับสภาพน้ำ
Date Analysis Commenced	Jan 18, 2023
Condition of Sample	Contained in two glass vials, one amber glass bottle and six plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Flow rate	m3/hr	-	-	73.3		Analyzed by Client	Bangkok

Guideline : Standard of Asia Industrial Estate, Maximum levels for wastewater discharging to central wastewater treatment plant.

Sampling By :

Remark :

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)

Approved by

Siriluk P.

Siriluk Puengpang

Supervisor

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Analysis / Test Report

TESTING
No.0009

Lot ID: 2314020

Date Received : Feb 14, 2023

Date Reported : Feb 22, 2023

Report Number : 2575321-1

Client : Asia Industrial Estate Co., Ltd.

49 Soi Pipat (Silom 3) Asia Sermkij Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500

P/O : สัญญาจ้าง

Project Name : Project AIE (Suwanaphumi)

Project Location :

Page 1 of 3

Sample Number	2314020-1						
Sampled Date	Feb 14, 2023 9:10 AM						
Sample Description	น้ำก่อนเข้าระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ						
Location	ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ : บริเวณบ่อปรับสภาพน้ำ						
Date Analysis Commenced	Feb 15, 2023						
Condition of Sample	Contained in two glass vials, one amber glass bottle and six plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Arsenic	mg/L	0.0003	0.0005	0.006	≤0.25	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Cadmium	mg/L	0.0003	0.0005	Not Detected	≤0.03	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Copper	mg/L	0.0003	0.0005	0.006	≤1.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Hexavalent Chromium	mg/L	0.003	0.01	Not Detected	≤0.25	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3500-Cr B	Bangkok
Lead	mg/L	0.0003	0.0005	0.002	≤0.2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Manganese	mg/L	0.0003	0.0005	0.35	≤5.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Mercury *	mg/L	0.0001	0.0005	Not Detected	≤0.005	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3112	Bangkok
Nickel	mg/L	0.0003	0.0005	0.18	≤1.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok

Technical Management

Sawitree N.

Sawitree Noisangiam

Manager

ทะเบียนเลขที่ ว-204-จ-4709

Approved by

Kanokkorn Anek

Kanokkorn Anek

Senior Manager

ทะเบียนเลขที่ ว-204-ก-6111

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Analysis / Test Report

TESTING
No.0009

Lot ID: 2314020

Date Received : Feb 14, 2023

Date Reported : Feb 22, 2023

Report Number : 2575321-1

Client : Asia Industrial Estate Co., Ltd.

49 Soi Pipat (Silom 3) Asia Sermkij Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500

P/O : สัญญาจ้าง

Project Name : Project AIE (Suwanaphumi)

Project Location :

Page 2 of 3

Sample Number	2314020-1						
Sampled Date	Feb 14, 2023 9:10 AM						
Sample Description	น้ำก่อนเข้าระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ						
Location	ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ : บริเวณบ่อปรับสภาพน้ำ						
Date Analysis Commenced	Feb 15, 2023						
Condition of Sample	Contained in two glass vials, one amber glass bottle and six plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Zinc	mg/L	0.003	0.005	0.68	≤5.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Water Testing							
BOD (5 days at 20 degree C)	mg/L	-	2.0	39.0	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	133	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Cyanide as CN *	mg/L	0.002	0.005	<0.005	≤0.2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - CN (C, E)	Bangkok
Oil & Grease *	mg/L	-	3	9	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH at 25 degree C *		-	-	7.6	6.5-8.5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	29.8	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	636	≤1300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Bangkok

Technical Management

Sawitree N.

Sawitree Noisangiam

Manager

ทะเบียนเลขที่ ว-204-จ-4709

Approved by

Kanokkorn Anek

Kanokkorn Anek

Senior Manager

ทะเบียนเลขที่ ว-204-ก-6111

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Analysis / Test Report

Client : Asia Industrial Estate Co., Ltd.

49 Soi Pipat (Silom 3) Asia Sermkij Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500

P/O : สกฤดาจ่าง

Project Name : Project AIE (Suwanaphumi)

Project Location :



TESTING

No.0009

Lot ID: 2314020

Date Received : Feb 14, 2023

Date Reported : Feb 22, 2023

Report Number : 2575321-1

Page 3 of 3

Sample Number	2314020-1						
Sampled Date	Feb 14, 2023 9:10 AM						
Sample Description	น้ำก่อนเข้าระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ						
Location	ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ : บริเวณบ่อปรีนสภาพน้ำ						
Date Analysis Commenced	Feb 15, 2023						
Condition of Sample	Contained in two glass vials, one amber glass bottle and six plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	53	≤200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of Asia Industrial Estate, Maximum levels for wastewater discharging to central wastewater treatment plant.

Sampling By : Chulladet Warin ทะเบียนเลขที่ ว-204-จ-6120

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

Sawitree N.

Sawitree Noisanglam
Manager

ทะเบียนเลขที่ ว-204-จ-4709

Approved by

Kanokkorn Anek

Kanokkorn Anek
Senior Manager

ทะเบียนเลขที่ ว-204-จ-6111

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Analysis / Test Report

Client : Asia Industrial Estate Co., Ltd.

49 Soi Pipat (Silom 3) Asia Sermkij Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500

P/O : สกฤดาจ่าง

Project Name : Project AIE (Suwanaphumi)

Project Location :

Lot ID: 2314020

Date Received : Feb 14, 2023

Date Reported : Feb 22, 2023

Report Number : 2575321-2

Page 1 of 1

Sample Number	2314020-1						
Sampled Date	Feb 14, 2023 9:10 AM						
Sample Description	น้ำก่อนเข้าระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ						
Location	ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ : บริเวณบ่อปรีนสภาพน้ำ						
Date Analysis Commenced	Feb 15, 2023						
Condition of Sample	Contained in two glass vials, one amber glass bottle and six plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Water Testing								
Flow rate	m3/hr	-	-	73.3	No Standard	No Standard	Analyzed by Client	Bangkok

Guideline : Standard of Asia Industrial Estate, Maximum levels for wastewater discharging to central wastewater treatment plant.

Sampling By : Chulladet Warin ทะเบียนเลขที่ ว-204-จ-6120

Remark :

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)

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Analysis / Test Report

TESTING
No.0009

Lot ID: 2325274

Date Received : Mar 14, 2023

Date Reported : Mar 22, 2023

Report Number : 2601365-1

Client : Asia Industrial Estate Co., Ltd.

49 Soi Pipat (Silom 3) Asia Sermkij Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500

P/O : สกฤดาจ่าง

Project Name : Project AIE (Suwanaphumi)

Project Location :

Page 1 of 3

Sample Number	2325274-1						
Sampled Date	Mar 14, 2023 8:55 AM						
Sample Description	น้ำก่อนเข้าระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ						
Location	ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ : บริเวณบ่อปรับสภาพน้ำ						
Date Analysis Commenced	Mar 15, 2023						
Condition of Sample	Contained in two glass vials, one amber glass bottle and six plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Arsenic	mg/L	0.0003	0.0005	0.003	≤0.25	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Cadmium	mg/L	0.0003	0.0005	Not Detected	≤0.03	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Copper	mg/L	0.0003	0.0005	0.007	≤1.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Hexavalent Chromium	mg/L	0.003	0.01	Not Detected	≤0.25	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3500-Cr B	Bangkok
Lead	mg/L	0.0003	0.0005	0.001	≤0.2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Manganese	mg/L	0.0003	0.0005	0.31	≤5.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Mercury *	mg/L	0.0001	0.0005	Not Detected	≤0.005	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3112	Bangkok
Nickel	mg/L	0.0003	0.0005	0.23	≤1.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok

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: 2325274

Date Received : Mar 14, 2023

Date Reported : Mar 22, 2023

Report Number : 2601365-1

Client : Asia Industrial Estate Co., Ltd.

49 Soi Pipat (Silom 3) Asia Sermkij Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500

P/O : สกฤดาจ่าง

Project Name : Project AIE (Suwanaphumi)

Project Location :

Page 2 of 3

Sample Number	2325274-1						
Sampled Date	Mar 14, 2023 8:55 AM						
Sample Description	น้ำก่อนเข้าระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ						
Location	ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ : บริเวณบ่อปรับสภาพน้ำ						
Date Analysis Commenced	Mar 15, 2023						
Condition of Sample	Contained in two glass vials, one amber glass bottle and six plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Zinc	mg/L	0.003	0.005	0.67	≤5.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Water Testing							
BOD (5 days at 20 degree C)	mg/L	-	2.0	17.9	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	91	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Cyanide as CN *	mg/L	0.002	0.005	Not Detected	≤0.2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - CN (C, E)	Bangkok
Oil & Grease *	mg/L	-	3	6	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH at 25 degree C *		-	-	7.6	6.5-8.5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	28.9	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	548	≤1300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Bangkok

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 : Asia Industrial Estate Co., Ltd.

49 Soi Pipat (Silom 3) Asia Sermkij Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500

P/O : สกนุญจาง

Project Name : Project AIE (Suwanaphumi)

Project Location :

Sample Number 2325274-1
Sampled Date Mar 14, 2023 8:55 AM
Sample Description น้ำก่อนเข้าระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ
Location ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ : บริเวณบ่อปรีนสภาพน้ำ
Date Analysis Commenced Mar 15, 2023
Condition of Sample Contained in two glass vials, one amber glass bottle and six plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	49	≤200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of Asia Industrial Estate, Maximum levels for wastewater discharging to central wastewater treatment plant.

Sampling By : Chulladet Warin ทะเบียนเลขที่ ๖-204-๖-6120

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

Sawitree N.

Sawitree Nisanglam
Manager

ทะเบียนเลขที่ ๖-204-๖-4709

Approved by

Kanokkorn Anek

Kanokkorn Anek
Senior Manager

ทะเบียนเลขที่ ๖-204-๖-6111

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TESTING

No.0009

Lot ID: 2325274

Date Received : Mar 14, 2023

Date Reported : Mar 22, 2023

Report Number : 2601365-1

Page 3 of 3



Analysis / Test Report

Client : Asia Industrial Estate Co., Ltd.

49 Soi Pipat (Silom 3) Asia Sermkij Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500

P/O : สกนุญจาง

Project Name : Project AIE (Suwanaphumi)

Project Location :

Sample Number 2325274-1
Sampled Date Mar 14, 2023 8:55 AM
Sample Description น้ำก่อนเข้าระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ
Location ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ : บริเวณบ่อปรีนสภาพน้ำ
Date Analysis Commenced Mar 17, 2023
Condition of Sample Contained in two glass vials, one amber glass bottle and six plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Water Testing						
Flow rate	m3/hr	-	-	101	Flow meter	Bangkok

Sampling By : Chulladet Warin

Remark :

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)

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Approved by

Siriluk P.

Siriluk Puengpang
Supervisor



Analysis / Test Report

TESTING
No.0009

Lot ID: 2339091

Date Received : Apr 19, 2023

Date Reported : Apr 27, 2023

Report Number : 2635041-1

Client : Asia Industrial Estate Co., Ltd.

49 Soi Pipat (Silom 3) Asia Sermkij Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500

P/O : สกฤดาจ่าง

Project Name : Project AIE (Suwanaphumi)

Project Location :

Page 1 of 3

Sample Number	2339091-1						
Sampled Date	Apr 19, 2023 9:50 AM						
Sample Description	น้ำก่อนเข้าระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ						
Location	ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ : บริเวณบ่อปรับสภาพน้ำ						
Date Analysis Commenced	Apr 20, 2023						
Condition of Sample	Contained in two glass vials, six plastic bottles and one amber glass bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Arsenic	mg/L	0.0003	0.0005	0.005	≤0.25	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Cadmium	mg/L	0.0003	0.0005	Not Detected	≤0.03	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Copper	mg/L	0.0003	0.0005	0.007	≤1.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Hexavalent Chromium	mg/L	0.003	0.01	Not Detected	≤0.25	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3500-Cr B	Bangkok
Lead	mg/L	0.0003	0.0005	0.001	≤0.2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Manganese	mg/L	0.0003	0.0005	0.22	≤5.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Mercury *	mg/L	0.0001	0.0005	Not Detected	≤0.005	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3112	Bangkok
Nickel	mg/L	0.0003	0.0005	0.07	≤1.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok

Technical Management

Chanatt L.

Chanattagarn Imchom

Supervisor

ทะเบียนเลขที่ ว-204-จ-4710

Approved by

Kanok Korn Anek

Kanokkorn Anek

Senior Manager

ทะเบียนเลขที่ ว-204-ค-6111

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Analysis / Test Report

TESTING
No.0009

Lot ID: 2339091

Date Received : Apr 19, 2023

Date Reported : Apr 27, 2023

Report Number : 2635041-1

Client : Asia Industrial Estate Co., Ltd.

49 Soi Pipat (Silom 3) Asia Sermkij Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500

P/O : สกฤดาจ่าง

Project Name : Project AIE (Suwanaphumi)

Project Location :

Page 2 of 3

Sample Number	2339091-1						
Sampled Date	Apr 19, 2023 9:50 AM						
Sample Description	น้ำก่อนเข้าระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ						
Location	ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ : บริเวณบ่อปรับสภาพน้ำ						
Date Analysis Commenced	Apr 20, 2023						
Condition of Sample	Contained in two glass vials, six plastic bottles and one amber glass bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Zinc	mg/L	0.003	0.005	1.08	≤5.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Water Testing							
BOD (5 days at 20 degree C)	mg/L	-	2.0	4.8	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	39	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Cyanide as CN *	mg/L	0.002	0.005	<0.005	≤0.2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - CN (C, E)	Bangkok
Oil & Grease *	mg/L	-	3	4	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH at 25 degree C *		-	-	7.7	6.5-8.5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	31.8	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	792	≤1300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Bangkok

Technical Management

Chanatt L.

Chanattagarn Imchom

Supervisor

ทะเบียนเลขที่ ว-204-จ-4710

Approved by

Kanok Korn Anek

Kanokkorn Anek

Senior Manager

ทะเบียนเลขที่ ว-204-ค-6111

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Analysis / Test Report

Client : Asia Industrial Estate Co., Ltd.

49 Soi Pipat (Silom 3) Asia Sermkij Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500

P/O : สฤญจารี

Project Name : Project AIE (Suwanaphumi)

Project Location :



TESTING

No.0009

Lot ID: 2339091

Date Received : Apr 19, 2023

Date Reported : Apr 27, 2023

Report Number : 2635041-1

Page 3 of 3

Sample Number	2339091-1
Sampled Date	Apr 19, 2023 9:50 AM
Sample Description	น้ำก่อนเข้าระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ
Location	ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ : บริเวณบ่อปรีนสภาพน้ำ
Date Analysis Commenced	Apr 20, 2023
Condition of Sample	Contained in two glass vials, six plastic bottles and one amber glass bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	21	≤200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of Asia Industrial Estate, Maximum levels for wastewater discharging to central wastewater treatment plant.

Sampling By : Thanwa Jariya ทะเบียนเลขที่ ว-204-จ-5414

Remark :

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- "<" : 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

Chanatt L.

Chanattagarn Imchom

Supervisor

ทะเบียนเลขที่ ว-204-จ-4710

Approved by

Kanokkorn Anek

Kanokkorn Anek

Senior Manager

ทะเบียนเลขที่ ว-204-ก-6111

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Analysis / Test Report

Client : Asia Industrial Estate Co., Ltd.

49 Soi Pipat (Silom 3) Asia Sermkij Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500

P/O : สฤญจารี

Project Name : Project AIE (Suwanaphumi)

Project Location :

Lot ID: 2339091

Date Received : Apr 19, 2023

Date Reported : Apr 27, 2023

Report Number : 2635041-2

Page 1 of 1

Sample Number	2339091-1
Sampled Date	Apr 19, 2023 9:50 AM
Sample Description	น้ำก่อนเข้าระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ
Location	ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ : บริเวณบ่อปรีนสภาพน้ำ
Date Analysis Commenced	Apr 21, 2023
Condition of Sample	Contained in two glass vials, six plastic bottles and one amber glass bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Flow rate	m3/hr	-	-	115	No Standard	Flow meter	Bangkok

Guideline : Standard of Asia Industrial Estate, Maximum levels for wastewater discharging to central wastewater treatment plant.

Sampling By : Thanwa Jariya

Remark :

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)

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Analysis / Test Report

Client : Asia Industrial Estate Co., Ltd.

49 Soi Pipat (Silom 3) Asia Sermkij Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500

P/O : สัญญาจ้าง

Project Name : Project AIE (Suwanaphumi)

Project Location :



TESTING

No.0009

Lot ID: 2350392

Date Received : May 17, 2023

Date Reported : May 25, 2023

Report Number : 2662613-1

Page 1 of 3

Sample Number 2350392-1
Sampled Date May 17, 2023 9:20 AM
Sample Description น้ำก่อนเข้าระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ
Location ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ : บริเวณบ่อปรับสภาพน้ำ
Date Analysis Commenced May 18, 2023
Condition of Sample Contained in two glass vials, one amber glass bottle and five plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Arsenic	mg/L	0.0003	0.0005	0.004	≤0.25	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Cadmium	mg/L	0.0003	0.0005	Not Detected	≤0.03	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Copper	mg/L	0.0003	0.0005	0.008	≤1.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Hexavalent Chromium	mg/L	0.003	0.01	Not Detected	≤0.25	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3500-Cr B	Bangkok
Lead	mg/L	0.0003	0.0005	0.001	≤0.2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Manganese	mg/L	0.0003	0.0005	0.35	≤5.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Mercury *	mg/L	0.0001	0.0005	Not Detected	≤0.005	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3112	Bangkok
Nickel	mg/L	0.0003	0.0005	0.26	≤1.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok

Technical Management

Nant Somb

Nanthawadee Somboon
Specialist 1
ทะเบียนเลขที่ ว-204-จ-4716

Approved by

Kanok Korn Anek

Kanokkorn Anek
Senior Manager
ทะเบียนเลขที่ ว-204-ก-6111

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Analysis / Test Report

Client : Asia Industrial Estate Co., Ltd.

49 Soi Pipat (Silom 3) Asia Sermkij Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500

P/O : สัญญาจ้าง

Project Name : Project AIE (Suwanaphumi)

Project Location :



TESTING

No.0009

Lot ID: 2350392

Date Received : May 17, 2023

Date Reported : May 25, 2023

Report Number : 2662613-1

Page 2 of 3

Sample Number 2350392-1
Sampled Date May 17, 2023 9:20 AM
Sample Description น้ำก่อนเข้าระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ
Location ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ : บริเวณบ่อปรับสภาพน้ำ
Date Analysis Commenced May 18, 2023
Condition of Sample Contained in two glass vials, one amber glass bottle and five plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Zinc	mg/L	0.003	0.005	1.33	≤5.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Water Testing							
BOD (5 days at 20 degree C)	mg/L	-	2.0	3.5	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	31	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Cyanide as CN *	mg/L	0.002	0.005	Not Detected	≤0.2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - CN (C, E)	Bangkok
Oil & Grease *	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH at 25 degree C *		-	-	7.3	6.5-8.5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	32.1	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	780	≤1300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Bangkok

Technical Management

Nant Somb

Nanthawadee Somboon
Specialist 1
ทะเบียนเลขที่ ว-204-จ-4716

Approved by

Kanok Korn Anek

Kanokkorn Anek
Senior Manager
ทะเบียนเลขที่ ว-204-ก-6111

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Analysis / Test Report

Client : Asia Industrial Estate Co., Ltd.

49 Soi Pipat (Silom 3) Asia Sermkij Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500

P/O : สกฤดาจ่าง

Project Name : Project AIE (Suwanaphumi)

Project Location :



TESTING

No.0009

Lot ID: 2350392

Date Received : May 17, 2023

Date Reported : May 25, 2023

Report Number : 2662613-1

Page 3 of 3

Sample Number	2350392-1
Sampled Date	May 17, 2023 9:20 AM
Sample Description	น้ำก่อนเข้าระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ
Location	ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ : บริเวณบ่อปรีนสภาพน้ำ
Date Analysis Commenced	May 18, 2023
Condition of Sample	Contained in two glass vials, one amber glass bottle and five plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	27	≤200	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of Asia Industrial Estate, Maximum levels for wastewater discharging to central wastewater treatment plant.

Sampling By : Chuladet Warin ทะเบียนเลขที่ ว-204-จ-6120

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

Nant Somb

Nanthawadee Somboon
Specialist 1
ทะเบียนเลขที่ ว-204-จ-4716

Approved by

Kanok Korn Anek

Kanok Korn Anek
Senior Manager

ทะเบียนเลขที่ ว-204-จ-6111

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Analysis / Test Report

Client : Asia Industrial Estate Co., Ltd.

49 Soi Pipat (Silom 3) Asia Sermkij Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500

P/O : สกฤดาจ่าง

Project Name : Project AIE (Suwanaphumi)

Project Location :



TESTING

No.0009

Lot ID: 2350392

Date Received : May 17, 2023

Date Reported : May 25, 2023

Report Number : 2662613-2

Page 1 of 1

Sample Number	2350392-1
Sampled Date	May 17, 2023 9:20 AM
Sample Description	น้ำก่อนเข้าระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ
Location	ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ : บริเวณบ่อปรีนสภาพน้ำ
Date Analysis Commenced	May 19, 2023
Condition of Sample	Contained in two glass vials, one amber glass bottle and five plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Flow rate *	m3/hr	-	-	152	No Standard	Flow meter	Bangkok

Guideline : Standard of Asia Industrial Estate, Maximum levels for wastewater discharging to central wastewater treatment plant.

Sampling By : Chuladet Warin

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

Nant Somb

Nanthawadee Somboon
Specialist 1

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Analysis / Test Report

TESTING
No.0009

Lot ID: 2365031

Date Received : Jun 14, 2023

Date Reported : Jul 05, 2023

Report Number : 2694150-1

Client : Asia Industrial Estate Co., Ltd.

49 Soi Pipat (Silom 3) Asia Sermkij Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500

P/O : สกฤดาจ่าง

Project Name : Project AIE (Suwanaphumi)

Project Location :

Page 1 of 3

Sample Number	2365031-1						
Sampled Date	Jun 14, 2023 9:05 AM						
Sample Description	น้ำก่อนเข้าระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ						
Location	ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ : บริเวณบ่อปรับสภาพน้ำ						
Date Analysis Commenced	Jun 15, 2023						
Condition of Sample	Contained in two glass vials, one amber glass bottle and six plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Arsenic	mg/L	0.0003	0.0005	0.004	≤0.25	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Cadmium	mg/L	0.0003	0.0005	Not Detected	≤0.03	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Copper	mg/L	0.0003	0.0005	0.003	≤1.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Hexavalent Chromium	mg/L	0.003	0.01	Not Detected	≤0.25	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3500-Cr B	Bangkok
Lead	mg/L	0.0003	0.0005	Not Detected	≤0.2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Manganese	mg/L	0.0003	0.0005	0.18	≤5.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Mercury	mg/L	0.0001	0.0005	<0.0005	≤0.005	In-house method : STM 05-007 based on United States Environmental Protection Agency, 2002, EPA Method 1631, Revision E	Bangkok
Nickel	mg/L	0.0003	0.0005	0.17	≤1.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok

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: 2365031

Date Received : Jun 14, 2023

Date Reported : Jul 05, 2023

Report Number : 2694150-1

Client : Asia Industrial Estate Co., Ltd.

49 Soi Pipat (Silom 3) Asia Sermkij Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500

P/O : สกฤดาจ่าง

Project Name : Project AIE (Suwanaphumi)

Project Location :

Page 2 of 3

Sample Number	2365031-1						
Sampled Date	Jun 14, 2023 9:05 AM						
Sample Description	น้ำก่อนเข้าระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ						
Location	ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ : บริเวณบ่อปรับสภาพน้ำ						
Date Analysis Commenced	Jun 15, 2023						
Condition of Sample	Contained in two glass vials, one amber glass bottle and six plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Zinc	mg/L	0.003	0.005	0.12	≤5.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Water Testing							
BOD (5 days at 20 degree C)	mg/L	-	2.0	8.9	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Bangkok
COD	mg/L	-	25	51	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Cyanide as CN *	mg/L	0.002	0.005	<0.005	≤0.2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - CN (C, E)	Bangkok
Oil & Grease *	mg/L	-	3	4	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *		-	-	7.1	6.5-8.5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	32.1	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	564	≤1300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Bangkok

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 : Asia Industrial Estate Co., Ltd.

49 Soi Pipat (Silom 3) Asia Sermkij Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500

P/O : สฤญจารัง

Project Name : Project AIE (Suwanaphumi)

Project Location :



TESTING
No.0009

Lot ID: 2365031

Date Received : Jun 14, 2023

Date Reported : Jul 05, 2023

Report Number : 2694150-1

Page 3 of 3

Sample Number	2365031-1
Sampled Date	Jun 14, 2023 9:05 AM
Sample Description	น้ำก่อนเข้าระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ
Location	ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ : บริเวณบ่อปรับสภาพน้ำ
Date Analysis Commenced	Jun 15, 2023
Condition of Sample	Contained in two glass vials, one amber glass bottle and six plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	13	≤200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of Asia Industrial Estate, Maximum levels for wastewater discharging to central wastewater treatment plant.

Sampling By : Chulladet Warin ทะเบียนเลขที่ ๖-204-๖-6120

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

Sawitree N.

Sawitree Noisanglam

Manager

ทะเบียนเลขที่ ๖-204-๖-4709

Approved by

Kanokkorn Anek

Kanokkorn Anek

Senior Manager

ทะเบียนเลขที่ ๖-204-๖-6111

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Analysis / Test Report

Client : Asia Industrial Estate Co., Ltd.

49 Soi Pipat (Silom 3) Asia Sermkij Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500

P/O : สฤญจารัง

Project Name : Project AIE (Suwanaphumi)

Project Location :

Lot ID: 2365031

Date Received : Jun 14, 2023

Date Reported : Jul 05, 2023

Report Number : 2694150-2

Page 1 of 1

Sample Number	2365031-1
Sampled Date	Jun 14, 2023 9:05 AM
Sample Description	น้ำก่อนเข้าระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ
Location	ระบบบำบัดน้ำเสียส่วนกลางทางชีวภาพ : บริเวณบ่อปรับสภาพน้ำ
Date Analysis Commenced	Jun 15, 2023
Condition of Sample	Contained in two glass vials, one amber glass bottle and six plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Flow rate	m3/hr	-	-	81	No Standard	Flow meter	Bangkok

Guideline : Standard of Asia Industrial Estate, Maximum levels for wastewater discharging to central wastewater treatment plant.

Sampling By : Chulladet Warin

Remark :

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)

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Approved by

Suwimon C.

Suwimon Chairuangwut

Scientist (3)

ภาคผนวก ค-4

คุณภาพน้ำทิ้งภายหลังการบำบัด



Analysis / Test Report

Client : Asia Industrial Estate Co., Ltd.

49 Soi Pipat (Silom 3) Asia Sermkij Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500

P/O : สกนพจาง

Project Name : Project AIE (Suwanaphumi)

Project Location :



TESTING

No.0009

Lot ID: 231555

Date Received : Jan 17, 2023

Date Reported : Jan 25, 2023

Report Number : 2535425-1

Page 1 of 3

Sample Number	231555-2						
Sampled Date	Jan 17, 2023 8:30 AM						
Sample Description	น้ำทิ้งจากหอพักการบำบัด						
Location	บ่อกักน้ำทิ้งสุดท้าย (Holding & Effluent Pond)						
Date Analysis Commenced	Jan 18, 2023						
Condition of Sample	Contained in two glass vials, one amber glass bottle and six plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Metals Testing								
Arsenic	mg/L	0.0003	0.0005	0.003	≤0.25	≤0.25	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Cadmium	mg/L	0.0003	0.0005	Not Detected	≤0.03	≤0.01	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Copper	mg/L	0.0003	0.0005	0.003	≤2.0	≤1	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Hexavalent Chromium	mg/L	0.003	0.01	Not Detected	≤0.25	≤0.25	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 3500-Cr B	Bangkok
Lead	mg/L	0.0003	0.0005	0.0007	≤0.20	≤0.10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Manganese	mg/L	0.0003	0.0005	0.23	≤5.0	≤5.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Mercury *	mg/L	0.0001	0.0005	Not Detected	≤0.005	≤0.005	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 3112	Bangkok
Nickel	mg/L	0.0003	0.0005	0.13	≤1.0	≤0.2	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok

Technical Management

Siriluk P.

Siriluk Puengpang
Supervisor

หมายเลขโทรศัพท์ 2-204-4-4720

Approved by

Kanokkorn Anek

Kanokkorn Anek
Senior Manager

หมายเลขโทรศัพท์ 2-204-4-6111

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Analysis / Test Report

Client : Asia Industrial Estate Co., Ltd.

49 Soi Pipat (Silom 3) Asia Sermkij Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500

P/O : สกนพจาง

Project Name : Project AIE (Suwanaphumi)

Project Location :



TESTING

No.0009

Lot ID: 231555

Date Received : Jan 17, 2023

Date Reported : Jan 25, 2023

Report Number : 2535425-1

Page 2 of 3

Sample Number	231555-2						
Sampled Date	Jan 17, 2023 8:30 AM						
Sample Description	น้ำทิ้งจากหอพักการบำบัด						
Location	บ่อกักน้ำทิ้งสุดท้าย (Holding & Effluent Pond)						
Date Analysis Commenced	Jan 18, 2023						
Condition of Sample	Contained in two glass vials, one amber glass bottle and six plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Metals Testing								
Zinc	mg/L	0.003	0.005	0.17	≤5.0	≤5.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Water Testing								
BOD (5 days at 20 degree C)	mg/L	-	2.0	<2.0	≤20	≤20	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	<25	≤120	≤100	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Cyanide as CN *	mg/L	0.002	0.005	Not Detected	≤0.2	≤0.2	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - CN (C, E)	Bangkok
Oil & Grease *	mg/L	-	3	3	≤5	≤5	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH at 25 degree C *		-	-	7.8	5.5-9.0	6.5-8.5	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	28.7	≤40	≤40	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	484	≤3000	≤1300	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Bangkok

Technical Management

Siriluk P.

Siriluk Puengpang
Supervisor

หมายเลขโทรศัพท์ 2-204-4-4720

Approved by

Kanokkorn Anek

Kanokkorn Anek
Senior Manager

หมายเลขโทรศัพท์ 2-204-4-6111

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Analysis / Test Report

Client : Asia Industrial Estate Co., Ltd.

49 Soi Pipat (Silom 3) Asia Sermkij Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500

P/O : สฤญภา จาริยา

Project Name : Project AIE (Suwanaphumi)

Project Location :



TESTING

No.0009

Lot ID: 231555

Date Received : Jan 17, 2023

Date Reported : Jan 25, 2023

Report Number : 2535425-1

Page 3 of 3

Sample Number	231555-2						
Sampled Date	Jan 17, 2023 8:30 AM						
Sample Description	น้ำทิ้งจากหอพักการบำบัด						
Location	บ่อพักน้ำทิ้งสุดท้าย (Holding & Effluent Pond)						
Date Analysis Commenced	Jan 18, 2023						
Condition of Sample	Contained in two glass vials, one amber glass bottle and six plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Water Testing								
Total Kjeldahl Nitrogen as N *	mg/L	0.15	1.0	<1.0	≤100	≤35	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Norg (C)	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	6	≤50	≤30	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Guideline (1) : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).
Guideline (2) : Announcement of Royal Irrigation No. 18/2561 subject to Prevention and Correction the Undeserved Discharged water into Irrigation system.

Sampling By : Thanwa Jariya ทะเบียนเลขที่ ว-204-จ-5414

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

Siriluk P.

Siriluk Puengpang
Supervisor

ทะเบียนเลขที่ ว-204-จ-4720

Approved by

Kanokkorn Anek

Kanokkorn Anek
Senior Manager

ทะเบียนเลขที่ ว-204-ก-6111

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Analysis / Test Report

Client : Asia Industrial Estate Co., Ltd.

49 Soi Pipat (Silom 3) Asia Sermkij Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500

P/O : สฤญภา จาริยา

Project Name : Project AIE (Suwanaphumi)

Project Location :

Lot ID: 231555

Date Received : Jan 17, 2023

Date Reported : Jan 25, 2023

Report Number : 2535425-2

Page 1 of 1

Sample Number	231555-2						
Sampled Date	Jan 17, 2023 8:30 AM						
Sample Description	น้ำทิ้งจากหอพักการบำบัด						
Location	บ่อพักน้ำทิ้งสุดท้าย (Holding & Effluent Pond)						
Date Analysis Commenced	Jan 18, 2023						
Condition of Sample	Contained in two glass vials, one amber glass bottle and six plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Water Testing								
Dissolved Oxygen	mg/L	-	0.1	4.8	No Standard	≥2	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500-O (C)	Bangkok

Guideline : Guideline (1) : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).
Guideline (2) : Announcement of Royal Irrigation No. 18/2561 subject to Prevention and Correction the Undeserved Discharged water into Irrigation system.

Sampling By : Thanwa Jariya ทะเบียนเลขที่ ว-204-จ-5414

Remark :

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)

Approved by

Siriluk P.

Siriluk Puengpang
Supervisor

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Analysis / Test Report

Client : Asia Industrial Estate Co., Ltd.

49 Soi Pipat (Silom 3) Asia Sermkij Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500

P/O : สกฤดากร

Project Name : Project AIE (Suwanaphumi)

Project Location :



TESTING

No.0009

Lot ID: 2314020

Date Received : Feb 14, 2023

Date Reported : Feb 22, 2023

Report Number : 2575322-1

Page 1 of 3

Sample Number	2314020-2						
Sampled Date	Feb 14, 2023 9:00 AM						
Sample Description	น้ำทิ้งจากหอพักการบำบัด						
Location	บ่อพักน้ำทิ้งสุดท้าย (Holding & Effluent Pond)						
Date Analysis Commenced	Feb 15, 2023						
Condition of Sample	Contained in two glass vials, one amber glass bottle and six plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Metals Testing								
Arsenic	mg/L	0.0003	0.0005	0.005	≤0.25	≤0.25	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Cadmium	mg/L	0.0003	0.0005	Not Detected	≤0.03	≤0.01	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Copper	mg/L	0.0003	0.0005	0.001	≤2.0	≤1	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Hexavalent Chromium	mg/L	0.003	0.01	Not Detected	≤0.25	≤0.25	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 3500-C B	Bangkok
Lead	mg/L	0.0003	0.0005	Not Detected	≤0.20	≤0.10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Manganese	mg/L	0.0003	0.0005	0.25	≤5.0	≤5.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Mercury *	mg/L	0.0001	0.0005	Not Detected	≤0.005	≤0.005	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 3112	Bangkok
Nickel	mg/L	0.0003	0.0005	0.16	≤1.0	≤0.2	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok

Technical Management

Savitree N.

Savitree Noisangiam

Manager

โทร: 02-404-4709

Approved by

Kanokorn Anek

Kanokorn Anek

Senior Manager

โทร: 02-404-6111

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Analysis / Test Report

Client : Asia Industrial Estate Co., Ltd.

49 Soi Pipat (Silom 3) Asia Sermkij Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500

P/O : สกฤดากร

Project Name : Project AIE (Suwanaphumi)

Project Location :



TESTING

No.0009

Lot ID: 2314020

Date Received : Feb 14, 2023

Date Reported : Feb 22, 2023

Report Number : 2575322-1

Page 2 of 3

Sample Number	2314020-2						
Sampled Date	Feb 14, 2023 9:00 AM						
Sample Description	น้ำทิ้งจากหอพักการบำบัด						
Location	บ่อพักน้ำทิ้งสุดท้าย (Holding & Effluent Pond)						
Date Analysis Commenced	Feb 15, 2023						
Condition of Sample	Contained in two glass vials, one amber glass bottle and six plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Metals Testing								
Zinc	mg/L	0.003	0.005	0.09	≤5.0	≤5.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Water Testing								
BOD (5 days at 20 degree C)	mg/L	-	2.0	4.0	≤20	≤20	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	37	≤120	≤100	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Cyanide as CN *	mg/L	0.002	0.005	Not Detected	≤0.2	≤0.2	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - CN (C, E)	Bangkok
Oil & Grease *	mg/L	-	3	4	≤5	≤5	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH at 25 degree C *	-	-	-	7.9	5.5-9.0	6.5-8.5	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	30.0	≤40	≤40	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	668	≤3000	≤1300	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Bangkok

Technical Management

Savitree N.

Savitree Noisangiam

Manager

โทร: 02-404-4709

Approved by

Kanokorn Anek

Kanokorn Anek

Senior Manager

โทร: 02-404-6111

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Analysis / Test Report

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49 Soi Pipat (Silom 3) Asia Sermkij Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500

P/O : สกนุภาจาง

Project Name : Project AIE (Suwanaphumi)

Project Location :



TESTING

No.0009

Lot ID: 2314020

Date Received : Feb 14, 2023

Date Reported : Feb 22, 2023

Report Number : 2575322-1

Page 3 of 3

Sample Number	2314020-2						
Sampled Date	Feb 14, 2023 9:00 AM						
Sample Description	น้ำทิ้งภายในโรงงานบำบัด						
Location	บ่อพักน้ำทิ้งสุดท้าย (Holding & Effluent Pond)						
Date Analysis Commenced	Feb 15, 2023						
Condition of Sample	Contained in two glass vials, one amber glass bottle and six plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Water Testing								
Total Kjeldahl Nitrogen as N *	mg/L	0.15	1.0	4.0	≤100	≤35	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Norg (C)	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	24	≤50	≤30	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Guideline (1) : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).
Guideline (2) : Announcement of Royal Irrigation No. 18/2561 subject to Prevention and Correction the Undeserved Discharged water into Irrigation system.

Sampling By : Chulladet Warin โทรเลขที่ ๖-204-๖-6120

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

โทรเลขที่ ๖-204-๖-4709

Approved by

Kanokorn Anek

Kanokorn Anek

Senior Manager

โทรเลขที่ ๖-204-๖-6111

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Analysis / Test Report

Client : Asia Industrial Estate Co., Ltd.

49 Soi Pipat (Silom 3) Asia Sermkij Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500

P/O : สกนุภาจาง

Project Name : Project AIE (Suwanaphumi)

Project Location :

Lot ID: 2314020

Date Received : Feb 14, 2023

Date Reported : Feb 22, 2023

Report Number : 2575322-2

Page 1 of 1

Sample Number	2314020-2						
Sampled Date	Feb 14, 2023 9:00 AM						
Sample Description	น้ำทิ้งภายในโรงงานบำบัด						
Location	บ่อพักน้ำทิ้งสุดท้าย (Holding & Effluent Pond)						
Date Analysis Commenced	Feb 15, 2023						
Condition of Sample	Contained in two glass vials, one amber glass bottle and six plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Water Testing								
Dissolved Oxygen	mg/L	-	0.1	4.5	No Standard	≥2	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500-O (C)	Bangkok

Guideline : Guideline (1) : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).
Guideline (2) : Announcement of Royal Irrigation No. 18/2561 subject to Prevention and Correction the Undeserved Discharged water into Irrigation system.

Sampling By : Chulladet Warin โทรเลขที่ ๖-204-๖-6120

Remark :

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)

Approved by

Siriluk P.

Siriluk Puenggang

Supervisor

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Analysis / Test Report

Client : Asia Industrial Estate Co., Ltd.

49 Soi Pipat (Silom 3) Asia Sermkij Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500

P/O : สกนพิจำร

Project Name : Project AIE (Suwanaphumi)

Project Location :



TESTING

No.0009

Lot ID: 2325274

Date Received : Mar 14, 2023

Date Reported : Mar 22, 2023

Report Number : 2601366-1

Page 1 of 3

Sample Number	2325274-2						
Sampled Date	Mar 14, 2023 8:40 AM						
Sample Description	น้ำทิ้งจากหอพักการบำบัด						
Location	บ่อกักน้ำทิ้งสุดท้าย (Holding & Effluent Pond)						
Date Analysis Commenced	Mar 15, 2023						
Condition of Sample	Contained in two BOD bottles, two glass vials, one amber glass bottle and six plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Metals Testing								
Arsenic	mg/L	0.0003	0.0005	0.005	≤0.25	≤0.25	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Cadmium	mg/L	0.0003	0.0005	Not Detected	≤0.03	≤0.01	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Copper	mg/L	0.0003	0.0005	0.001	≤2.0	≤1	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Hexavalent Chromium	mg/L	0.003	0.01	Not Detected	≤0.25	≤0.25	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 3500-Cr B	Bangkok
Lead	mg/L	0.0003	0.0005	<0.0005	≤0.20	≤0.10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Manganese *	mg/L	0.0003	0.0005	0.22	≤5.0	≤5.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Mercury *	mg/L	0.0001	0.0005	Not Detected	≤0.005	≤0.005	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 3112	Bangkok
Nickel	mg/L	0.0003	0.0005	0.16	≤1.0	≤0.2	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok

Technical Management

Savitree N.

Savitree Nisangiam

Manager

โทร: 204-4-4709

Approved by

Kanokkorn Anek

Kanokkorn Anek

Senior Manager

โทร: 204-4-6111

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Analysis / Test Report

Client : Asia Industrial Estate Co., Ltd.

49 Soi Pipat (Silom 3) Asia Sermkij Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500

P/O : สกนพิจำร

Project Name : Project AIE (Suwanaphumi)

Project Location :



TESTING

No.0009

Lot ID: 2325274

Date Received : Mar 14, 2023

Date Reported : Mar 22, 2023

Report Number : 2601366-1

Page 2 of 3

Sample Number	2325274-2						
Sampled Date	Mar 14, 2023 8:40 AM						
Sample Description	น้ำทิ้งจากหอพักการบำบัด						
Location	บ่อกักน้ำทิ้งสุดท้าย (Holding & Effluent Pond)						
Date Analysis Commenced	Mar 15, 2023						
Condition of Sample	Contained in two BOD bottles, two glass vials, one amber glass bottle and six plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Metals Testing								
Zinc	mg/L	0.003	0.005	0.08	≤5.0	≤5.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Water Testing								
BOD (5 days at 20 degree C)	mg/L	-	2.0	2.5	≤20	≤20	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	<25	≤120	≤100	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Cyanide as CN *	mg/L	0.002	0.005	Not Detected	≤0.2	≤0.2	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - CN (C, E)	Bangkok
Oil & Grease *	mg/L	-	3	<3	≤5	≤5	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH at 25 degree C *		-	-	7.8	5.5-9.0	6.5-8.5	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	28.8	≤40	≤40	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	624	≤3000	≤1300	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Bangkok

Technical Management

Savitree N.

Savitree Nisangiam

Manager

โทร: 204-4-4709

Approved by

Kanokkorn Anek

Kanokkorn Anek

Senior Manager

โทร: 204-4-6111

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Client : Asia Industrial Estate Co., Ltd.

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Thailand 10500

P/O : สฤณฯ

Project Name : Project AIE (Suwanaphumi)

Project Location :



TESTING

No.0009

Lot ID: 2325274

Date Received : Mar 14, 2023

Date Reported : Mar 22, 2023

Report Number : 2601366-1

Page 3 of 3

Sample Number	2325274-2						
Sampled Date	Mar 14, 2023 8:40 AM						
Sample Description	น้ำทิ้งจากหอพักการบำบัด						
Location	บ่อพักน้ำทิ้งสุดท้าย (Holding & Effluent Pond)						
Date Analysis Commenced	Mar 15, 2023						
Condition of Sample	Contained in two BOD bottles, two glass vials, one amber glass bottle and six plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Water Testing								
Total Kjeldahl Nitrogen as N *	mg/L	0.15	1.0	1.0	≤100	≤35	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Norg (C)	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	8	≤50	≤30	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Guideline (1) : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).
Guideline (2) : Announcement of Royal Irrigation No. 18/2561 subject to Prevention and Correction the Undeserved Discharged water into Irrigation system.

Sampling By : Chulladet Warin โทร 02-204-6120

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 Nisangiam

Manager

โทร 02-204-6120

Approved by

Kanokorn Anek

Kanokorn Anek

Senior Manager

โทร 02-204-6111

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Analysis / Test Report

Client : Asia Industrial Estate Co., Ltd.

49 Soi Pipat (Silom 3) Asia Sermkij Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500

P/O : สฤณฯ

Project Name : Project AIE (Suwanaphumi)

Project Location :

Lot ID: 2325274

Date Received : Mar 14, 2023

Date Reported : Mar 22, 2023

Report Number : 2601366-2

Page 1 of 1

Sample Number	2325274-2						
Sampled Date	Mar 14, 2023 8:40 AM						
Sample Description	น้ำทิ้งจากหอพักการบำบัด						
Location	บ่อพักน้ำทิ้งสุดท้าย (Holding & Effluent Pond)						
Date Analysis Commenced	Mar 15, 2023						
Condition of Sample	Contained in two BOD bottles, two glass vials, one amber glass bottle and six plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Water Testing								
Dissolved Oxygen	mg/L	-	0.1	4.4	No Standard	≥2	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500-O (C)	Bangkok

Guideline : Guideline (1) : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).
Guideline (2) : Announcement of Royal Irrigation No. 18/2561 subject to Prevention and Correction the Undeserved Discharged water into Irrigation system.

Sampling By : Chulladet Warin โทร 02-204-6120

Remark :

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)

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Approved by

Siriluk P.

Siriluk Puengpang

Supervisor

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Analysis / Test Report

Client : Asia Industrial Estate Co., Ltd.

49 Soi Pipat (Silom 3) Asia Sermkij Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500

P/O : สกนพิจำร

Project Name : Project AIE (Suwanaphumi)

Project Location :



TESTING

No.0009

Lot ID: 2339091

Date Received : Apr 19, 2023

Date Reported : Apr 27, 2023

Report Number : 2635042-1

Page 1 of 3

Sample Number	2339091-2						
Sampled Date	Apr 19, 2023 8:45 AM						
Sample Description	น้ำทิ้งจากหอพักการบำบัด						
Location	บ่อกักน้ำทิ้งสุดท้าย (Holding & Effluent Pond)						
Date Analysis Commenced	Apr 20, 2023						
Condition of Sample	Contained in two glass vials, two BOD bottles, six plastic bottles and one amber glass bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Metals Testing								
Arsenic	mg/L	0.0003	0.0005	0.005	≤0.25	≤0.25	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Cadmium	mg/L	0.0003	0.0005	Not Detected	≤0.03	≤0.01	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Copper	mg/L	0.0003	0.0005	0.002	≤2.0	≤1	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Hexavalent Chromium	mg/L	0.003	0.01	Not Detected	≤0.25	≤0.25	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 3500-Cr B	Bangkok
Lead	mg/L	0.0003	0.0005	Not Detected	≤0.20	≤0.10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Manganese	mg/L	0.0003	0.0005	0.18	≤5.0	≤5.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Mercury *	mg/L	0.0001	0.0005	Not Detected	≤0.005	≤0.005	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 3112	Bangkok
Nickel	mg/L	0.0003	0.0005	0.15	≤1.0	≤0.2	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok

Technical Management

Chanatt L.

Chanattagarn Imchom
Supervisor
โทร: 02-204-4710

Approved by

Kanokkorn Anek

Kanokkorn Anek
Senior Manager
โทร: 02-204-46111

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Analysis / Test Report

Client : Asia Industrial Estate Co., Ltd.

49 Soi Pipat (Silom 3) Asia Sermkij Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500

P/O : สกนพิจำร

Project Name : Project AIE (Suwanaphumi)

Project Location :



TESTING

No.0009

Lot ID: 2339091

Date Received : Apr 19, 2023

Date Reported : Apr 27, 2023

Report Number : 2635042-1

Page 2 of 3

Sample Number	2339091-2						
Sampled Date	Apr 19, 2023 8:45 AM						
Sample Description	น้ำทิ้งจากหอพักการบำบัด						
Location	บ่อกักน้ำทิ้งสุดท้าย (Holding & Effluent Pond)						
Date Analysis Commenced	Apr 20, 2023						
Condition of Sample	Contained in two glass vials, two BOD bottles, six plastic bottles and one amber glass bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Metals Testing								
Zinc	mg/L	0.003	0.005	0.08	≤5.0	≤5.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Water Testing								
BOD (5 days at 20 degree C)	mg/L	-	2.0	2.2	≤20	≤20	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	25	≤120	≤100	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Cyanide as CN *	mg/L	0.002	0.005	Not Detected	≤0.2	≤0.2	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - CN (C, E)	Bangkok
Oil & Grease *	mg/L	-	3	<3	≤5	≤5	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH at 25 degree C *		-	-	8.0	5.5-9.0	6.5-8.5	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	31.7	≤40	≤40	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	564	≤3000	≤1300	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Bangkok

Technical Management

Chanatt L.

Chanattagarn Imchom
Supervisor
โทร: 02-204-4710

Approved by

Kanokkorn Anek

Kanokkorn Anek
Senior Manager
โทร: 02-204-46111

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Analysis / Test Report

Client : Asia Industrial Estate Co., Ltd.

49 Soi Pipat (Silom 3) Asia Sermkij Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500

P/O : สฤญจารี

Project Name : Project AIE (Suwanaphumi)

Project Location :



TESTING

No.0009

Lot ID: 2339091

Date Received : Apr 19, 2023

Date Reported : Apr 27, 2023

Report Number : 2635042-1

Page 3 of 3

Sample Number	2339091-2						
Sampled Date	Apr 19, 2023 8:45 AM						
Sample Description	น้ำทิ้งจากหอพักการบำบัด						
Location	บ่อพักน้ำทิ้งสุดท้าย (Holding & Effluent Pond)						
Date Analysis Commenced	Apr 20, 2023						
Condition of Sample	Contained in two glass vials, two BOD bottles, six plastic bottles and one amber glass bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Water Testing								
Total Kjeldahl Nitrogen as N *	mg/L	0.15	1.0	<1.0	≤100	≤35	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Norg (C)	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	12	≤50	≤30	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Guideline (1) : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).
Guideline (2) : Announcement of Royal Irrigation No. 18/2561 subject to Prevention and Correction the Undeserved Discharged water into Irrigation system.

Sampling By : Thanwa Jariya ทะเบียนเลขที่ ว-204-จ-5414

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

Chanatt L.

Chanattagarn Imchom
Supervisor

ทะเบียนเลขที่ ว-204-จ-4710

Approved by

Kanokkorn Anek

Kanokkorn Anek
Senior Manager

ทะเบียนเลขที่ ว-204-ก-6111

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Analysis / Test Report

Client : Asia Industrial Estate Co., Ltd.

49 Soi Pipat (Silom 3) Asia Sermkij Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500

P/O : สฤญจารี

Project Name : Project AIE (Suwanaphumi)

Project Location :

Lot ID: 2339091

Date Received : Apr 19, 2023

Date Reported : Apr 27, 2023

Report Number : 2635042-2

Page 1 of 1

Sample Number	2339091-2						
Sampled Date	Apr 19, 2023 8:45 AM						
Sample Description	น้ำทิ้งจากหอพักการบำบัด						
Location	บ่อพักน้ำทิ้งสุดท้าย (Holding & Effluent Pond)						
Date Analysis Commenced	Apr 20, 2023						
Condition of Sample	Contained in two glass vials, two BOD bottles, six plastic bottles and one amber glass bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Water Testing								
Dissolved Oxygen	mg/L	-	0.1	5.6	No Standard	≥2	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500-O (C)	Bangkok

Guideline : Guideline (1) : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).
Guideline (2) : Announcement of Royal Irrigation No. 18/2561 subject to Prevention and Correction the Undeserved Discharged water into Irrigation system.

Sampling By : Thanwa Jariya ทะเบียนเลขที่ ว-204-จ-5414

Remark :

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)

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Approved by

Suwimon C.

Suwimon Chairuangwut
Scientist (3)

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Analysis / Test Report

Client : Asia Industrial Estate Co., Ltd.
49 Soi Pipat (Silom 3) Asia Sermkij Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500
P/O : สกนพาริจ
Project Name : Project AIE (Suwanaphumi)
Project Location :



TESTING
No.0009
Lot ID: 2350392
Date Received : May 17, 2023
Date Reported : May 25, 2023
Report Number : 2662614-1

Page 1 of 3

Sample Number 2350392-2
Sampled Date May 17, 2023 9:10 AM
Sample Description น้ำทิ้งจากหลังการบำบัด
Location บ่อพักน้ำทิ้งสุดท้าย (Holding & Effluent Pond)
Date Analysis Commenced May 18, 2023
Condition of Sample Contained in two BOD bottles, two glass vials, one amber glass bottle and six plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Metals Testing								
Arsenic	mg/L	0.0003	0.0005	0.005	≤0.25	≤0.25	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Cadmium	mg/L	0.0003	0.0005	Not Detected	≤0.03	≤0.01	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Copper	mg/L	0.0003	0.0005	0.001	≤2.0	≤1	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Hexavalent Chromium	mg/L	0.003	0.01	Not Detected	≤0.25	≤0.25	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 3500-Cr B	Bangkok
Lead	mg/L	0.0003	0.0005	Not Detected	≤0.20	≤0.10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Manganese	mg/L	0.0003	0.0005	0.17	≤5.0	≤5.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Mercury *	mg/L	0.0001	0.0005	Not Detected	≤0.005	≤0.005	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 3112	Bangkok
Nickel	mg/L	0.0003	0.0005	0.18	≤1.0	≤0.2	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok

Technical Management

Nant Somb

Nanthawadee Somboon
Specialist 1
โทร: 02-204-4716

Approved by

Kanok Anek

Kanokkorn Anek
Senior Manager
โทร: 02-204-4711

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Analysis / Test Report

Client : Asia Industrial Estate Co., Ltd.
49 Soi Pipat (Silom 3) Asia Sermkij Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500
P/O : สกนพาริจ
Project Name : Project AIE (Suwanaphumi)
Project Location :



TESTING
No.0009
Lot ID: 2350392
Date Received : May 17, 2023
Date Reported : May 25, 2023
Report Number : 2662614-1

Page 2 of 3

Sample Number 2350392-2
Sampled Date May 17, 2023 9:10 AM
Sample Description น้ำทิ้งจากหลังการบำบัด
Location บ่อพักน้ำทิ้งสุดท้าย (Holding & Effluent Pond)
Date Analysis Commenced May 18, 2023
Condition of Sample Contained in two BOD bottles, two glass vials, one amber glass bottle and six plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Metals Testing								
Zinc	mg/L	0.003	0.005	0.09	≤5.0	≤5.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Water Testing								
BOD (5 days at 20 degree C)	mg/L	-	2.0	<2.0	≤20	≤20	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	<25	≤120	≤100	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Cyanide as CN *	mg/L	0.002	0.005	Not Detected	≤0.2	≤0.2	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - CN (C, E)	Bangkok
Oil & Grease *	mg/L	-	3	<3	≤5	≤5	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH at 25 degree C *	-	-	-	7.7	5.5-9.0	6.5-8.5	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	32.3	≤40	≤40	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	628	≤3000	≤1300	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Bangkok

Technical Management

Nant Somb

Nanthawadee Somboon
Specialist 1
โทร: 02-204-4716

Approved by

Kanok Anek

Kanokkorn Anek
Senior Manager
โทร: 02-204-4711

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Analysis / Test Report

Client : Asia Industrial Estate Co., Ltd.

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Thailand 10500

P/O : สกนุภากร

Project Name : Project AIE (Suwanaphumi)

Project Location :



TESTING

No.0009

Lot ID: 2350392

Date Received : May 17, 2023

Date Reported : May 25, 2023

Report Number : 2662614-1

Page 3 of 3

Sample Number	2350392-2						
Sampled Date	May 17, 2023 9:10 AM						
Sample Description	น้ำทิ้งจากหลังการบำบัด						
Location	บ่อพักน้ำทิ้งสุดท้าย (Holding & Effluent Pond)						
Date Analysis Commenced	May 18, 2023						
Condition of Sample	Contained in two BOD bottles, two glass vials, one amber glass bottle and six plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Water Testing								
Total Kjeldahl Nitrogen as N *	mg/L	0.15	1.0	<1.0	≤100	≤35	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Norg (C)	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	16	≤50	≤30	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Guideline (1) : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).
Guideline (2) : Announcement of Royal Irrigation No. 18/2561 subject to Prevention and Correction the Undeserved Discharged water into Irrigation system.

Sampling By : Chuladet Warin ทะเบียนเลขที่ 7-204-ก-6120

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

Nant Somb

Nanthawadee Somboon
Specialist 1
ทะเบียนเลขที่ 7-204-ก-4716

Approved by

Kanok Korn Anek

Kanok Korn Anek
Senior Manager
ทะเบียนเลขที่ 7-204-ก-6111

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Analysis / Test Report

Client : Asia Industrial Estate Co., Ltd.

49 Soi Pipat (Silom 3) Asia Sermkij Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500

P/O : สกนุภากร

Project Name : Project AIE (Suwanaphumi)

Project Location :



TESTING

No.0009

Lot ID: 2350392

Date Received : May 17, 2023

Date Reported : May 25, 2023

Report Number : 2662614-2

Page 1 of 1

Sample Number	2350392-2						
Sampled Date	May 17, 2023 9:10 AM						
Sample Description	น้ำทิ้งจากหลังการบำบัด						
Location	บ่อพักน้ำทิ้งสุดท้าย (Holding & Effluent Pond)						
Date Analysis Commenced	May 18, 2023						
Condition of Sample	Contained in two BOD bottles, two glass vials, one amber glass bottle and six plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Water Testing								
Dissolved Oxygen *	mg/L	-	0.1	5.9	No Standard	≥2	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500-O (C)	Bangkok

Guideline : Guideline (1) : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).
Guideline (2) : Announcement of Royal Irrigation No. 18/2561 subject to Prevention and Correction the Undeserved Discharged water into Irrigation system.

Sampling By : Chuladet Warin ทะเบียนเลขที่ 7-204-ก-6120

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

Nant Somb

Nanthawadee Somboon
Specialist 1

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Analysis / Test Report

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49 Soi Pipat (Silom 3) Asia Sermkij Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500

P/O : สกฤดากร

Project Name : Project AIE (Suwanaphumi)

Project Location :



TESTING

No.0009

Lot ID: 2365031

Date Received : Jun 14, 2023

Date Reported : Jul 05, 2023

Report Number : 2694151-1

Page 1 of 3

Sample Number	2365031-2						
Sampled Date	Jun 14, 2023 8:50 AM						
Sample Description	น้ำทิ้งจากหอพัก						
Location	บ่อพักน้ำทิ้ง (Holding & Effluent Pond)						
Date Analysis Commenced	Jun 15, 2023						
Condition of Sample	Contained in two glass vials, one amber glass bottle, two BOD bottles and six plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Metals Testing								
Arsenic	mg/L	0.0003	0.0005	0.004	≤0.25	≤0.25	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Cadmium	mg/L	0.0003	0.0005	Not Detected	≤0.03	≤0.01	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Copper	mg/L	0.0003	0.0005	0.001	≤2.0	≤1	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Hexavalent Chromium	mg/L	0.003	0.01	Not Detected	≤0.25	≤0.25	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 3500-C B	Bangkok
Lead	mg/L	0.0003	0.0005	Not Detected	≤0.20	≤0.10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Manganese	mg/L	0.0003	0.0005	0.18	≤5.0	≤5.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Mercury	mg/L	0.0001	0.0005	Not Detected	≤0.005	≤0.005	In-house method : STM 05-007 based on United States Environmental Protection Agency, 2002, EPA Method 1631, Revision E	Bangkok
Nickel	mg/L	0.0003	0.0005	0.19	≤1.0	≤0.2	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok

Technical Management

Savitree N.

Savitree Noisangiam
Manager

โทร: 204-4-4709

Approved by

Kanokkorn Anek

Kanokkorn Anek
Senior Manager

โทร: 204-4-6111

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Analysis / Test Report

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Thailand 10500

P/O : สกฤดากร

Project Name : Project AIE (Suwanaphumi)

Project Location :



TESTING

No.0009

Lot ID: 2365031

Date Received : Jun 14, 2023

Date Reported : Jul 05, 2023

Report Number : 2694151-1

Page 2 of 3

Sample Number	2365031-2						
Sampled Date	Jun 14, 2023 8:50 AM						
Sample Description	น้ำทิ้งจากหอพัก						
Location	บ่อพักน้ำทิ้ง (Holding & Effluent Pond)						
Date Analysis Commenced	Jun 15, 2023						
Condition of Sample	Contained in two glass vials, one amber glass bottle, two BOD bottles and six plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Metals Testing								
Zinc	mg/L	0.003	0.005	0.09	≤5.0	≤5.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Water Testing								
BOD (5 days at 20 degree C)	mg/L	-	2.0	4.1	≤20	≤20	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Bangkok
COD	mg/L	-	25	35	≤120	≤100	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Cyanide as CN *	mg/L	0.002	0.005	<0.005	≤0.2	≤0.2	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - CN (C, E)	Bangkok
Oil & Grease *	mg/L	-	3	<3	≤5	≤5	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *		-	-	7.4	5.5-9.0	6.5-8.5	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Temperature *	Degree C	-	-	29.6	≤40	≤40	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Bangkok
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	580	≤3000	≤1300	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Bangkok

Technical Management

Savitree N.

Savitree Noisangiam
Manager

โทร: 204-4-4709

Approved by

Kanokkorn Anek

Kanokkorn Anek
Senior Manager

โทร: 204-4-6111

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Analysis / Test Report

Client : Asia Industrial Estate Co., Ltd.

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Thailand 10500

P/O : สฤตภากร

Project Name : Project AIE (Suwanaphumi)

Project Location :



TESTING

No.0009

Lot ID: 2365031

Date Received : Jun 14, 2023

Date Reported : Jul 05, 2023

Report Number : 2694151-1

Page 3 of 3

Sample Number	2365031-2
Sampled Date	Jun 14, 2023 8:50 AM
Sample Description	น้ำทิ้งจากหอพักการบำบัด
Location	บ่อกักน้ำทิ้งสุดท้าย (Holding & Effluent Pond)
Date Analysis Commenced	Jun 15, 2023
Condition of Sample	Contained in two glass vials, one amber glass bottle, two BOD bottles and six plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Water Testing								
Total Kjeldahl Nitrogen as N *	mg/L	0.15	1.0	<1.0	≤100	≤35	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Norg (C)	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	10	≤50	≤30	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Guideline (1) : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).
Guideline (2) : Announcement of Royal Irrigation No. 18/2561 subject to Prevention and Correction the Undeserved Discharged water into Irrigation system.

Sampling By : Chulladet Warin โทรเลขที่ 2-204-6120

Remark :

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- "<" : 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

โทรเลขที่ 2-204-6120

Approved by

Kanokorn Anek

Kanokorn Anek

Senior Manager

โทรเลขที่ 2-204-6111

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Analysis / Test Report

Client : Asia Industrial Estate Co., Ltd.

49 Soi Pipat (Silom 3) Asia Sermkij Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500

P/O : สฤตภากร

Project Name : Project AIE (Suwanaphumi)

Project Location :

Lot ID: 2365031

Date Received : Jun 14, 2023

Date Reported : Jul 05, 2023

Report Number : 2694151-2

Page 1 of 1

Sample Number	2365031-2
Sampled Date	Jun 14, 2023 8:50 AM
Sample Description	น้ำทิ้งจากหอพักการบำบัด
Location	บ่อกักน้ำทิ้งสุดท้าย (Holding & Effluent Pond)
Date Analysis Commenced	Jun 15, 2023
Condition of Sample	Contained in two glass vials, one amber glass bottle, two BOD bottles and six plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Water Testing								
Dissolved Oxygen	mg/L	-	0.1	6.3	No Standard	≥2	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500-O (C)	Bangkok

Guideline : Guideline (1) : Effluent standard for factories, industrial estate and industrial park set by Notification of the Ministry of Natural Resource and Environment and effluent standard for factories and industrial park set by Notification of The Ministry of Industry dated June 07, B.E.2560 (2017).
Guideline (2) : Announcement of Royal Irrigation No. 18/2561 subject to Prevention and Correction the Undeserved Discharged water into Irrigation system.

Sampling By : Chulladet Warin โทรเลขที่ 2-204-6120

Remark :

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)

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Approved by

Suwimon C.

Suwimon Chairuangwut

Scientist (3)

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ภาคผนวก ค-5

คุณภาพน้ำผิวดิน



Analysis / Test Report

TESTING
No.0009

Lot ID: 2350184

Date Received : May 19, 2023

Date Reported : May 27, 2023

Report Number : 2641292-1

Client : Asia Industrial Estate Co., Ltd.

49 Soi Pipat (Silom 3) Asia Sermkij Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500

P/O : สกฤดากร

Project Name : Project AIE (Suwanaphumi)

Project Location :

Sample Number 2350184-1
Sampled Date May 19, 2023 6:57 AM
Sample Description น้ำผิวดิน
Location W1 : บริเวณเหนือจุดระบายน้ำทั้ง (400 เมตร) คลองสีลมเล็ก
Date Analysis Commenced May 19, 2023
Condition of Sample Contained in six plastic bottles, two BOD bottles and two glass vials, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Arsenic	mg/L	0.0003	0.0005	0.005	≤0.01	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Cadmium	mg/L	0.0003	0.0005	Not Detected	≤0.005	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Copper	mg/L	0.0003	0.0005	0.003	≤0.1	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Hexavalent Chromium	mg/L	0.003	0.01	Not Detected	≤0.05	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3500-Cr B	Bangkok
Lead	mg/L	0.0003	0.0005	0.002	≤0.05	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Manganese	mg/L	0.0003	0.0005	1.37	≤1	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Mercury	mg/L	0.0001	0.0005	Not Detected	≤0.002	In-house method : STM 05-007 based on United States Environmental Protection Agency, 2002, EPA Method 1631, Revision E	Bangkok
Nickel	mg/L	0.0003	0.0005	0.008	≤0.1	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok

Approved by

Nant Somb

Nanthawadee Somboon
Specialist 1

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Analysis / Test Report

TESTING
No.0009

Lot ID: 2350184

Date Received : May 19, 2023

Date Reported : May 27, 2023

Report Number : 2641292-1

Client : Asia Industrial Estate Co., Ltd.

49 Soi Pipat (Silom 3) Asia Sermkij Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500

P/O : สกฤดากร

Project Name : Project AIE (Suwanaphumi)

Project Location :

Sample Number 2350184-1
Sampled Date May 19, 2023 6:57 AM
Sample Description น้ำผิวดิน
Location W1 : บริเวณเหนือจุดระบายน้ำทั้ง (400 เมตร) คลองสีลมเล็ก
Date Analysis Commenced May 19, 2023
Condition of Sample Contained in six plastic bottles, two BOD bottles and two glass vials, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Zinc	mg/L	0.003	0.005	0.02	≤1	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Microbiological Testing							
Total Coliform	MPN/100mL	-	-	2400.0	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B	Bangkok
Water Testing							
BOD (5 days at 20 degree C) *	mg/L	-	2.0	6.0	≤4	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
Cyanide as CN	mg/L	0.002	0.005	Not Detected	0.005	In-house method : STM 04-007 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - CN (C, E)	Bangkok
Dissolved Oxygen *	mg/L	-	0.1	4.3	≥2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-O (C)	Bangkok
Flow rate *	m3/hr	-	-	360	No Standard	Flow meter	Bangkok
pH at 25 degree C		-	-	7.7	5.0-9.0	In-house method : STM 04-003 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok

Guideline : 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)

n: Change from Natural condition not more than 3 degree C

Sampling By : Chuladet Warin

Approved by

Nant Somb

Nanthawadee Somboon
Specialist 1

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Analysis / Test Report

Client : Asia Industrial Estate Co., Ltd.

49 Soi Pipat (Silom 3) Asia Sermkij Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500

P/O : สกนุภาจาง

Project Name : Project AIE (Suwanaphumi)

Project Location :



TESTING
No.0009

Lot ID: 2350184

Date Received : May 19, 2023

Date Reported : May 27, 2023

Report Number : 2641292-1

Page 3 of 18

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.



Analysis / Test Report

Client : Asia Industrial Estate Co., Ltd.

49 Soi Pipat (Silom 3) Asia Sermkij Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500

P/O : สกนุภาจาง

Project Name : Project AIE (Suwanaphumi)

Project Location :



TESTING
No.0009

Lot ID: 2350184

Date Received : May 19, 2023

Date Reported : May 27, 2023

Report Number : 2641292-1

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Sample Number

2350184-2

Sampled Date

May 19, 2023 9:11 AM

Sample Description

น้ำผุดดิน

Location

W2 : บริเวณจุดระบายน้ำทิ้งของโครงการคลองผดทะเล

Date Analysis Commenced

May 19, 2023

Condition of Sample

Contained in six plastic bottles, two BOD bottles and two glass vials, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Arsenic	mg/L	0.0003	0.0005	0.006	≤0.01	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Cadmium	mg/L	0.0003	0.0005	Not Detected	≤0.005	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Copper	mg/L	0.0003	0.0005	0.002	≤0.1	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Hexavalent Chromium	mg/L	0.003	0.01	Not Detected	≤0.05	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3500-Cr B	Bangkok
Lead	mg/L	0.0003	0.0005	0.002	≤0.05	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Manganese	mg/L	0.0003	0.0005	1.23	≤1	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Mercury	mg/L	0.0001	0.0005	Not Detected	≤0.002	In-house method : STM 05-007 based on United States Environmental Protection Agency, 2002, EPA Method 1631, Revision E	Bangkok
Nickel	mg/L	0.0003	0.0005	0.007	≤0.1	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok

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Approved by

Nant Somb

Nanthawadee Somboon
Specialist 1

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Analysis / Test Report

Client : Asia Industrial Estate Co., Ltd.

49 Soi Pipat (Silom 3) Asia Sermkij Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500

P/O : สกฤดากร

Project Name : Project AIE (Suwanaphumi)

Project Location :



TESTING

No.0009

Lot ID: 2350184

Date Received : May 19, 2023

Date Reported : May 27, 2023

Report Number : 2641292-1

Page 5 of 18

Sample Number	2350184-2						
Sampled Date	May 19, 2023 9:11 AM						
Sample Description	น้ำผิวดิน						
Location	W2 : บริเวณจุดระบายน้ำทิ้งของโครงการคลองสกลเล็ก						
Date Analysis Commenced	May 19, 2023						
Condition of Sample	Contained in six plastic bottles, two BOD bottles and two glass vials, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Zinc	mg/L	0.003	0.005	0.02	≤1	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Microbiological Testing							
Total Coliform	MPN/100mL	-	-	1300.0	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B	Bangkok
Water Testing							
BOD (5 days at 20 degree C) *	mg/L	-	2.0	6.3	≤4	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
Cyanide as CN	mg/L	0.002	0.005	Not Detected	0.005	In-house method : STM 04-007 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - CN (C, E)	Bangkok
Dissolved Oxygen *	mg/L	-	0.1	3.2	≥2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-O (C)	Bangkok
Flow rate *	m3/hr	-	-	360	No Standard	Flow meter	Bangkok
pH at 25 degree C		-	-	7.7	5.0-9.0	In-house method : STM 04-003 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok

Guideline : 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)

n: Change from Natural condition not more than 3 degree C

Sampling By : Chuladet Warin

Approved by

Nant Somb

Nanthawadee Somboon

Specialist 1

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Analysis / Test Report

Client : Asia Industrial Estate Co., Ltd.

49 Soi Pipat (Silom 3) Asia Sermkij Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500

P/O : สกฤดากร

Project Name : Project AIE (Suwanaphumi)

Project Location :



TESTING

No.0009

Lot ID: 2350184

Date Received : May 19, 2023

Date Reported : May 27, 2023

Report Number : 2641292-1

Page 6 of 18

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.

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Zinc	mg/L	0.003	0.005	0.02	≤1	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Microbiological Testing							
Total Coliform	MPN/100mL	-	-	1300.0	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B	Bangkok
Water Testing							
BOD (5 days at 20 degree C) *	mg/L	-	2.0	6.3	≤4	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
Cyanide as CN	mg/L	0.002	0.005	Not Detected	0.005	In-house method : STM 04-007 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - CN (C, E)	Bangkok
Dissolved Oxygen *	mg/L	-	0.1	3.2	≥2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-O (C)	Bangkok
Flow rate *	m3/hr	-	-	360	No Standard	Flow meter	Bangkok
pH at 25 degree C		-	-	7.7	5.0-9.0	In-house method : STM 04-003 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok

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Analysis / Test Report

Client : Asia Industrial Estate Co., Ltd.

49 Soi Pipat (Silom 3) Asia Sermkij Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500

P/O : สกฤดากร

Project Name : Project AIE (Suwanaphumi)

Project Location :



TESTING

No.0009

Lot ID: 2350184

Date Received : May 19, 2023

Date Reported : May 27, 2023

Report Number : 2641292-1

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Sample Number	2350184-3						
Sampled Date	May 19, 2023 9:56 AM						
Sample Description	น้ำผิวดิน						
Location	W3 : บริเวณท่าขจรประมาณน้ำทิ้ง (600 เมตร) คลองสกลนคร						
Date Analysis Commenced	May 19, 2023						
Condition of Sample	Contained in six plastic bottles, two BOD bottles and two glass vials, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Arsenic	mg/L	0.0003	0.0005	0.008	≤0.01	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Cadmium	mg/L	0.0003	0.0005	Not Detected	≤0.005	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Copper	mg/L	0.0003	0.0005	0.002	≤0.1	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Hexavalent Chromium	mg/L	0.003	0.01	Not Detected	≤0.05	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3500-Cr B	Bangkok
Lead	mg/L	0.0003	0.0005	0.002	≤0.05	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Manganese	mg/L	0.0003	0.0005	1.49	≤1	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Mercury	mg/L	0.0001	0.0005	Not Detected	≤0.002	In-house method : STM 05-007 based on United States Environmental Protection Agency, 2002, EPA Method 1631, Revision E	Bangkok
Nickel	mg/L	0.0003	0.0005	0.007	≤0.1	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok

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Approved by

Nant Somb

Nanthawadee Somboon
Specialist 1

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Analysis / Test Report

Client : Asia Industrial Estate Co., Ltd.

49 Soi Pipat (Silom 3) Asia Sermkij Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500

P/O : สกฤดากร

Project Name : Project AIE (Suwanaphumi)

Project Location :



TESTING

No.0009

Lot ID: 2350184

Date Received : May 19, 2023

Date Reported : May 27, 2023

Report Number : 2641292-1

Page 8 of 18

Sample Number	2350184-3						
Sampled Date	May 19, 2023 9:56 AM						
Sample Description	น้ำผิวดิน						
Location	W3 : บริเวณท่าขจรประมาณน้ำทิ้ง (600 เมตร) คลองสกลนคร						
Date Analysis Commenced	May 19, 2023						
Condition of Sample	Contained in six plastic bottles, two BOD bottles and two glass vials, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Zinc	mg/L	0.003	0.005	0.03	≤1	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Microbiological Testing							
Total Coliform	MPN/100mL	-	-	1700.0	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B	Bangkok
Water Testing							
BOD (5 days at 20 degree C) *	mg/L	-	2.0	6.1	≤4	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
Cyanide as CN	mg/L	0.002	0.005	Not Detected	0.005	In-house method : STM 04-007 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - CN (C, E)	Bangkok
Dissolved Oxygen *	mg/L	-	0.1	4.3	≥2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-O (C)	Bangkok
Flow rate *	m3/hr	-	-	360	No Standard	Flow meter	Bangkok
pH at 25 degree C		-	-	7.8	5.0-9.0	In-house method : STM 04-003 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok

Guideline : 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)

n: Change from Natural condition not more than 3 degree C

Sampling By : Chuladet Warin

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Analysis / Test Report

Client : Asia Industrial Estate Co., Ltd.

49 Soi Pipat (Silom 3) Asia Sermkij Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500

P/O : สกฤตกร

Project Name : Project AIE (Suwanaphumi)

Project Location :



TESTING
No.0009

Lot ID: 2350184

Date Received : May 19, 2023

Date Reported : May 27, 2023

Report Number : 2641292-1

Page 9 of 18

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.



Analysis / Test Report

Client : Asia Industrial Estate Co., Ltd.

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P/O : สกฤตกร

Project Name : Project AIE (Suwanaphumi)

Project Location :



TESTING
No.0009

Lot ID: 2350184

Date Received : May 19, 2023

Date Reported : May 27, 2023

Report Number : 2641292-1

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Sample Number

2350184-4

Sampled Date

May 19, 2023 9:25 AM

Sample Description

น้ำผุดดิน

Location

W4 : บริเวณเหนือจุดระบายน้ำทั้ง (500 เมตร) คลองปิ่นแก้ว

Date Analysis Commenced

May 19, 2023

Condition of Sample

Contained in six plastic bottles, two BOD bottles and two glass vials, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Arsenic	mg/L	0.0003	0.0005	0.005	≤0.01	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Cadmium	mg/L	0.0003	0.0005	Not Detected	≤0.005	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Copper	mg/L	0.0003	0.0005	0.003	≤0.1	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Hexavalent Chromium	mg/L	0.003	0.01	Not Detected	≤0.05	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3500-Cr B	Bangkok
Lead	mg/L	0.0003	0.0005	0.002	≤0.05	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Manganese	mg/L	0.0003	0.0005	1.52	≤1	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Mercury	mg/L	0.0001	0.0005	Not Detected	≤0.002	In-house method : STM 05-007 based on United States Environmental Protection Agency, 2002, EPA Method 1631, Revision E	Bangkok
Nickel	mg/L	0.0003	0.0005	0.010	≤0.1	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok

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Analysis / Test Report

Client : Asia Industrial Estate Co., Ltd.

49 Soi Pipat (Silom 3) Asia Sermkij Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500

P/O : ผู้ดูแลจ้าง

Project Name : Project AIE (Suwanaphumi)

Project Location :



TESTING

No.0009

Lot ID: 2350184

Date Received : May 19, 2023

Date Reported : May 27, 2023

Report Number : 2641292-1

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Sample Number	2350184-4						
Sampled Date	May 19, 2023 9:25 AM						
Sample Description	น้ำผิวดิน						
Location	W4 : บริเวณเหนือจุดระบายน้ำทิ้ง (500 เมตร) คลองผิงแก้ว						
Date Analysis Commenced	May 19, 2023						
Condition of Sample	Contained in six plastic bottles, two BOD bottles and two glass vials, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Zinc	mg/L	0.003	0.005	0.02	≤1	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Microbiological Testing							
Total Coliform	MPN/100mL	-	-	49000.0	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B	Bangkok
Water Testing							
BOD (5 days at 20 degree C) *	mg/L	-	2.0	4.8	≤4	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
Cyanide as CN	mg/L	0.002	0.005	Not Detected	0.005	In-house method : STM 04-007 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - CN (C, E)	Bangkok
Dissolved Oxygen *	mg/L	-	0.1	4.0	≥2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-O (C)	Bangkok
Flow rate *	m3/hr	-	-	360	No Standard	Flow meter	Bangkok
pH at 25 degree C		-	-	7.6	5.0-9.0	In-house method : STM 04-003 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok

Guideline : 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)

n: Change from Natural condition not more than 3 degree C

Sampling By : Chuladet Warin

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Analysis / Test Report

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Thailand 10500

P/O : ผู้ดูแลจ้าง

Project Name : Project AIE (Suwanaphumi)

Project Location :



TESTING

No.0009

Lot ID: 2350184

Date Received : May 19, 2023

Date Reported : May 27, 2023

Report Number : 2641292-1

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Thailand 10500

P/O : สฤญภา จ้าง

Project Name : Project AIE (Suwanaphumi)

Project Location :



TESTING

No.0009

Lot ID: 2350184

Date Received : May 19, 2023

Date Reported : May 27, 2023

Report Number : 2641292-1

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Sample Number	2350184-5						
Sampled Date	May 19, 2023 9:30 AM						
Sample Description	น้ำผิวดิน						
Location	WS : บริเวณจุดระบายน้ำทิ้งของโครงการคลองปิ่นแก้ว						
Date Analysis Commenced	May 19, 2023						
Condition of Sample	Contained in six plastic bottles, two BOD bottles and two glass vials, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Arsenic	mg/L	0.0003	0.0005	0.006	≤0.01	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Cadmium	mg/L	0.0003	0.0005	Not Detected	≤0.005	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Copper	mg/L	0.0003	0.0005	0.002	≤0.1	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Hexavalent Chromium	mg/L	0.003	0.01	Not Detected	≤0.05	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3500-Cr B	Bangkok
Lead	mg/L	0.0003	0.0005	0.002	≤0.05	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Manganese	mg/L	0.0003	0.0005	1.68	≤1	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Mercury	mg/L	0.0001	0.0005	Not Detected	≤0.002	In-house method : STM 05-007 based on United States Environmental Protection Agency, 2002, EPA Method 1631, Revision E	Bangkok
Nickel	mg/L	0.0003	0.0005	0.01	≤0.1	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok

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Analysis / Test Report

Client : Asia Industrial Estate Co., Ltd.

49 Soi Pipat (Silom 3) Asia Sermkij Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500

P/O : สฤญภา จ้าง

Project Name : Project AIE (Suwanaphumi)

Project Location :



TESTING

No.0009

Lot ID: 2350184

Date Received : May 19, 2023

Date Reported : May 27, 2023

Report Number : 2641292-1

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Sample Number	2350184-5						
Sampled Date	May 19, 2023 9:30 AM						
Sample Description	น้ำผิวดิน						
Location	WS : บริเวณจุดระบายน้ำทิ้งของโครงการคลองปิ่นแก้ว						
Date Analysis Commenced	May 19, 2023						
Condition of Sample	Contained in six plastic bottles, two BOD bottles and two glass vials, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Zinc	mg/L	0.003	0.005	0.04	≤1	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Microbiological Testing							
Total Coliform	MPN/100mL	-	-	49000.0	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B	Bangkok
Water Testing							
BOD (5 days at 20 degree C) *	mg/L	-	2.0	4.9	≤4	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
Cyanide as CN	mg/L	0.002	0.005	Not Detected	0.005	In-house method : STM 04-007 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - CN (C, E)	Bangkok
Dissolved Oxygen *	mg/L	-	0.1	3.7	≥2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-O (C)	Bangkok
Flow rate *	m3/hr	-	-	360	No Standard	Flow meter	Bangkok
pH at 25 degree C		-	-	7.5	5.0-9.0	In-house method : STM 04-003 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok

Guideline : 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)

n: Change from Natural condition not more than 3 degree C

Sampling By : Chuladet Warin

Approved by

Nant Somb

Nanthawadee Somboon

Specialist 1

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Thailand 10500

P/O : สกฤตกร

Project Name : Project AIE (Suwanaphumi)

Project Location :



TESTING
No.0009

Lot ID: 2350184

Date Received : May 19, 2023

Date Reported : May 27, 2023

Report Number : 2641292-1

Page 15 of 18

Remark :

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Analysis / Test Report

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P/O : สกฤตกร

Project Name : Project AIE (Suwanaphumi)

Project Location :



TESTING
No.0009

Lot ID: 2350184

Date Received : May 19, 2023

Date Reported : May 27, 2023

Report Number : 2641292-1

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Sample Number

2350184-6

Sampled Date

May 19, 2023 9:40 AM

Sample Description

น้ำผิวดิน

Location

W6 : บริเวณท่ารถระบายน้ำทิ้ง (300 เมตร) คลองผิงแก้ว

Date Analysis Commenced

May 19, 2023

Condition of Sample

Contained in six plastic bottles, two BOD bottles and two glass vials, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Arsenic	mg/L	0.0003	0.0005	0.005	≤0.01	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Cadmium	mg/L	0.0003	0.0005	Not Detected	≤0.005	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Copper	mg/L	0.0003	0.0005	0.002	≤0.1	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Hexavalent Chromium	mg/L	0.003	0.01	Not Detected	≤0.05	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3500-Cr B	Bangkok
Lead	mg/L	0.0003	0.0005	0.002	≤0.05	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Manganese	mg/L	0.0003	0.0005	1.82	≤1	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Mercury	mg/L	0.0001	0.0005	Not Detected	≤0.002	In-house method : STM 05-007 based on United States Environmental Protection Agency, 2002, EPA Method 1631, Revision E	Bangkok
Nickel	mg/L	0.0003	0.0005	0.010	≤0.1	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok

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Analysis / Test Report

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P/O : ผู้ดูแลจ้าง

Project Name : Project AIE (Suwanaphumi)

Project Location :



TESTING

No.0009

Lot ID: 2350184

Date Received : May 19, 2023

Date Reported : May 27, 2023

Report Number : 2641292-1

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Sample Number	2350184-6						
Sampled Date	May 19, 2023 9:40 AM						
Sample Description	น้ำผิวดิน						
Location	W6 : บริเวณท่าขุดระบายน้ำทิ้ง (300 เมตร) คลองปึกแก้ว						
Date Analysis Commenced	May 19, 2023						
Condition of Sample	Contained in six plastic bottles, two BOD bottles and two glass vials, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Zinc	mg/L	0.003	0.005	0.03	≤1	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Microbiological Testing							
Total Coliform	MPN/100mL	-	-	700000.0	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B	Bangkok
Water Testing							
BOD (5 days at 20 degree C) *	mg/L	-	2.0	7.0	≤4	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
Cyanide as CN	mg/L	0.002	0.005	Not Detected	0.005	In-house method : STM 04-007 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - CN (C, E)	Bangkok
Dissolved Oxygen *	mg/L	-	0.1	6.1	≥2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-O (C)	Bangkok
Flow rate *	m3/hr	-	-	360	No Standard	Flow meter	Bangkok
pH at 25 degree C		-	-	7.6	5.0-9.0	In-house method : STM 04-003 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok

Guideline : 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)

n: Change from Natural condition not more than 3 degree C

Sampling By : Chuladet Warin

Approved by

Nant Somb

Nanthawadee Somboon

Specialist 1

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1337-83/ EMAIL



Analysis / Test Report

Client : Asia Industrial Estate Co., Ltd.

49 Soi Pipat (Silom 3) Asia Sermkij Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500

P/O : ผู้ดูแลจ้าง

Project Name : Project AIE (Suwanaphumi)

Project Location :



TESTING

No.0009

Lot ID: 2350184

Date Received : May 19, 2023

Date Reported : May 27, 2023

Report Number : 2641292-1

Page 18 of 18

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.

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Zinc	mg/L	0.003	0.005	0.03	≤1	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Microbiological Testing							
Total Coliform	MPN/100mL	-	-	700000.0	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B	Bangkok
Water Testing							
BOD (5 days at 20 degree C) *	mg/L	-	2.0	7.0	≤4	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
Cyanide as CN	mg/L	0.002	0.005	Not Detected	0.005	In-house method : STM 04-007 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - CN (C, E)	Bangkok
Dissolved Oxygen *	mg/L	-	0.1	6.1	≥2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-O (C)	Bangkok
Flow rate *	m3/hr	-	-	360	No Standard	Flow meter	Bangkok
pH at 25 degree C		-	-	7.6	5.0-9.0	In-house method : STM 04-003 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok

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Approved by

Nant Somb

Nanthawadee Somboon

Specialist 1

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1337-83/ EMAIL

ภาคผนวก ค-6

คุณภาพน้ำทิ้งโรงงาน



Analysis / Test Report

TESTING
No.0009

Client : Asia Industrial Estate Co., Ltd.
49 Soi Pipat (Silom 3) Asia Sermi Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500
P/O : **ปิยะพงษ์**
Project Name : Project AIE (Suwanaphumi)
Project Location :

Lot ID: **231569**
Date Received : Jan 17, 2023
Date Reported : Jan 24, 2023
Report Number : 2535636-1

Page 1 of 21

Sample Number : 231569-1
Sampled Date : Jan 17, 2023 11:20 AM
Sample Description : น้ำเสียจากโรงงานฯ ที่สถานีบำบัดน้ำเสียอุตสาหกรรม
Location : IIDELECTRONICS (THAILAND) CO., LTD.
Date Analysis Commenced : Jan 18, 2023
Condition of Sample : Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 degree C)	mg/L	-	2.0	31.5	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	228	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	9	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH at 25 degree C *	-	-	-	7.6	6.5-8.5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	304	≤1300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	67	≤200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of Asia Industrial Estate, Maximum levels for wastewater discharging to central wastewater treatment plant.

Sampling By : Thanwa Janya วชิรณัฐกุล >204-a-5414

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

Siriluk P.Siriluk Puangpang
Supervisor
วชิรณัฐกุล >204-a-4720

Approved by

Kankkorn A.Kankkorn Anek
Senior Manager
วชิรณัฐกุล >204-a-6111

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LS/Report_AE_01.up (3/5/2019)



Analysis / Test Report

TESTING
No.0009

Client : Asia Industrial Estate Co., Ltd.
49 Soi Pipat (Silom 3) Asia Sermi Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500
P/O : **ปิยะพงษ์**
Project Name : Project AIE (Suwanaphumi)
Project Location :

Lot ID: **231569**
Date Received : Jan 17, 2023
Date Reported : Jan 24, 2023
Report Number : 2535636-1

Page 2 of 21

Sample Number : 231569-2
Sampled Date : Jan 17, 2023 10:35 AM
Sample Description : น้ำเสียจากโรงงานฯ ที่สถานีบำบัดน้ำเสียอุตสาหกรรม
Location : บริษัท ไทย ท็อปส์ (THAILAND) CO., LTD.
Date Analysis Commenced : Jan 18, 2023
Condition of Sample : Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 degree C)	mg/L	-	2.0	49.0	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	130	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	10	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH at 25 degree C *	-	-	-	8.0	6.5-8.5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	600	≤1300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	25	≤200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of Asia Industrial Estate, Maximum levels for wastewater discharging to central wastewater treatment plant.

Sampling By : Thanwa Janya วชิรณัฐกุล >204-a-5414

Remark :
- LOD : Limit of Detection
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- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management

Siriluk P.Siriluk Puangpang
Supervisor
วชิรณัฐกุล >204-a-4720

Approved by

Kankkorn A.Kankkorn Anek
Senior Manager
วชิรณัฐกุล >204-a-6111

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Analysis / Test Report



TESTING
No.0009

Client : Asia Industrial Estate Co., Ltd.
49 Soi Pipat (Silom 3) Asia Sermik Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500
P/O : **ปิยะพงษ์**
Project Name : Project AIE (Suwanaphumi)
Project Location :

Lot ID: **231569**
Date Received : Jan 17, 2023
Date Reported : Jan 24, 2023
Report Number : 2535636-1

Page 5 of 21

Sample Number : 231569-5
Sampled Date : Jan 17, 2023 9:55 AM
Sample Description : น้ำเสียจากโรงงานฯ ที่สถานีบำบัดน้ำเสียชุมชนบางนา
Location : บริเวณ บึงหนองบอน (ประเวศวัง) จังหวัด
Date Analysis Commenced : Jan 18, 2023
Condition of Sample : Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 degree C)	mg/L	-	2.0	2.2	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	30	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH at 25 degree C *	-	-	-	7.9	6.5-8.5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	1612	≤1300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	<5	≤200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of Asia Industrial Estate, Maximum levels for wastewater discharging to central wastewater treatment plant.

Sampling By : Thanwa Janya วรณัฐวัฒน์ >204-a-5414

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

Technical Management

Siriluk P.
Siriluk Puangpang
Supervisor
วรณัฐวัฒน์ >204-a-4720

Approved by

Kankkorn A.
Kankkorn Anek
Senior Manager
วรณัฐวัฒน์ >204-a-6111

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LS17-02 EN/AL

50 (page 5 of 21) (3/5/2019)



Analysis / Test Report



TESTING
No.0009

Client : Asia Industrial Estate Co., Ltd.
49 Soi Pipat (Silom 3) Asia Sermik Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500
P/O : **ปิยะพงษ์**
Project Name : Project AIE (Suwanaphumi)
Project Location :

Lot ID: **231569**
Date Received : Jan 17, 2023
Date Reported : Jan 24, 2023
Report Number : 2535636-1

Page 6 of 21

Sample Number : 231569-6
Sampled Date : Jan 17, 2023 10:25 AM
Sample Description : น้ำเสียจากโรงงานฯ ที่สถานีบำบัดน้ำเสียชุมชนบางนา
Location : บริเวณ บึงหนองบอน - รางน้ำ จังหวัด
Date Analysis Commenced : Jan 18, 2023
Condition of Sample : Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 degree C)	mg/L	-	2.0	9.8	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	89	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	4	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH at 25 degree C *	-	-	-	7.6	6.5-8.5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	772	≤1300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	24	≤200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of Asia Industrial Estate, Maximum levels for wastewater discharging to central wastewater treatment plant.

Sampling By : Thanwa Janya วรณัฐวัฒน์ >204-a-5414

Remark :
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Technical Management

Siriluk P.
Siriluk Puangpang
Supervisor
วรณัฐวัฒน์ >204-a-4720

Approved by

Kankkorn A.
Kankkorn Anek
Senior Manager
วรณัฐวัฒน์ >204-a-6111

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50 (page 6 of 21) (3/5/2019)



Analysis / Test Report



TESTING
No.0009

Client : Asia Industrial Estate Co., Ltd.
49 Soi Pipat (Silom 3) Asia Sermi Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500
P/O : **ปิยะพงษ์**
Project Name : Project AIE (Suwanaphumi)
Project Location :

Lot ID: **231569**
Date Received : Jan 17, 2023
Date Reported : Jan 24, 2023
Report Number : 2535636-1

Page 9 of 21

Sample Number : 231569-9
Sampled Date : Jan 17, 2023 9:05 AM
Sample Description : น้ำเสียจากโรงงานฯ ที่สถานีบำบัดน้ำเสียชุมชนบางนา
Location : บริเวณ อาคาร (โรงงาน) ชุมชน
Date Analysis Commenced : Jan 18, 2023
Condition of Sample : Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 degree C)	mg/L	-	2.0	17.3	≤500	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	111	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	5	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH at 25 degree C *	-	-	-	7.6	6.5-8.5	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	448	≤1300	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	34	≤200	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of Asia Industrial Estate, Maximum levels for wastewater discharging to central wastewater treatment plant.

Sampling By : Thawana Janya วรณานนท์ >204-4-5414

Remark :
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Technical Management

Siriluk P.

Siriluk Puangpang
Supervisor
โทรศัพท์ : 204-4-4720

Approved by

Kankkorn A.

Kankkorn Anek
Senior Manager
โทรศัพท์ : 204-4-6111

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50 (page) _AL_ (up) (3/5/2019)



Analysis / Test Report



TESTING
No.0009

Client : Asia Industrial Estate Co., Ltd.
49 Soi Pipat (Silom 3) Asia Sermi Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500
P/O : **ปิยะพงษ์**
Project Name : Project AIE (Suwanaphumi)
Project Location :

Lot ID: **231569**
Date Received : Jan 17, 2023
Date Reported : Jan 24, 2023
Report Number : 2535636-1

Page 10 of 21

Sample Number : 231569-10
Sampled Date : Jan 17, 2023 11:30 AM
Sample Description : น้ำเสียจากโรงงานฯ ที่สถานีบำบัดน้ำเสียชุมชนบางนา
Location : บริเวณ อาคาร (โรงงาน) ชุมชน
Date Analysis Commenced : Jan 18, 2023
Condition of Sample : Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 degree C)	mg/L	-	2.0	18.5	≤500	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	119	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	8	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH at 25 degree C *	-	-	-	7.7	6.5-8.5	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	612	≤1300	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	33	≤200	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of Asia Industrial Estate, Maximum levels for wastewater discharging to central wastewater treatment plant.

Sampling By : Thawana Janya วรณานนท์ >204-4-5414

Remark :
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- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
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- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management

Siriluk P.

Siriluk Puangpang
Supervisor
โทรศัพท์ : 204-4-4720

Approved by

Kankkorn A.

Kankkorn Anek
Senior Manager
โทรศัพท์ : 204-4-6111

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50 (page) _AL_ (up) (3/5/2019)



Analysis / Test Report

TESTING
No.0009

Client : Asia Industrial Estate Co., Ltd.
49 Soi Pipat (Silom 3) Asia Sermi Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500
P/O : เอเชียฟาร์ม
Project Name : Project AIE (Suwanaphumi)
Project Location :

Lot ID: 231569
Date Received : Jan 17, 2023
Date Reported : Jan 24, 2023
Report Number : 2535636-1

Page 13 of 21

Sample Number : 231569-13
Sampled Date : Jan 17, 2023 9:25 AM
Sample Description : น้ำเสียจากโรงงานอาหารสัตว์ที่ฟาร์มสัตว์ทดลอง
Location : บริเวณห้องปฏิบัติการ (ห้องควบคุม) ฟาร์ม (สวน) หมายเลข 1
Date Analysis Commenced : Jan 18, 2023
Condition of Sample : Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 degree C)	mg/L	-	2.0	7.0	≤500	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	77	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	4	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH at 25 degree C *	-	-	-	7.7	6.5-8.5	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	824	≤1300	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	12	≤200	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of Asia Industrial Estate, Maximum levels for wastewater discharging to central wastewater treatment plant.

Sampling By : Thanwa Janya วรณัฐวัฒน์ >204-a-5414

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

Siriluk P.

Siriluk Pungpang
Supervisor
โทรศัพท์ : 204-a-4720

Approved by

Kankkorn A.

Kankkorn Anek
Senior Manager
โทรศัพท์ : 204-a-6111

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50 (page13)_AL_01_up (1/25/2023)



Analysis / Test Report

TESTING
No.0009

Client : Asia Industrial Estate Co., Ltd.
49 Soi Pipat (Silom 3) Asia Sermi Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500
P/O : เอเชียฟาร์ม
Project Name : Project AIE (Suwanaphumi)
Project Location :

Lot ID: 231569
Date Received : Jan 17, 2023
Date Reported : Jan 24, 2023
Report Number : 2535636-1

Page 14 of 21

Sample Number : 231569-14
Sampled Date : Jan 17, 2023 11:35 AM
Sample Description : น้ำเสียจากโรงงานอาหารสัตว์ที่ฟาร์มสัตว์ทดลอง
Location : บริเวณห้องปฏิบัติการ (ห้องควบคุม) ฟาร์ม (สวน) หมายเลข 1
Date Analysis Commenced : Jan 18, 2023
Condition of Sample : Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 degree C)	mg/L	-	2.0	30.8	≤500	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	165	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	5	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH at 25 degree C *	-	-	-	7.9	6.5-8.5	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	312	≤1300	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	65	≤200	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of Asia Industrial Estate, Maximum levels for wastewater discharging to central wastewater treatment plant.

Sampling By : Thanwa Janya วรณัฐวัฒน์ >204-a-5414

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

Technical Management

Siriluk P.

Siriluk Pungpang
Supervisor
โทรศัพท์ : 204-a-4720

Approved by

Kankkorn A.

Kankkorn Anek
Senior Manager
โทรศัพท์ : 204-a-6111

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50 (page14)_AL_01_up (1/25/2023)



Analysis / Test Report

TESTING
No.0009

Client : Asia Industrial Estate Co., Ltd.
49 Soi Pipat (Silom 3) Asia Sermi Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500
P/O : **ปิยนุช**
Project Name : Project AIE (Suwanaphumi)
Project Location :

Lot ID: **231569**
Date Received : Jan 17, 2023
Date Reported : Jan 24, 2023
Report Number : 2535636-1

Page 17 of 21

Sample Number : 231569-18
Sampled Date : Jan 17, 2023 9:25 AM
Sample Description : น้ำเสียจากโรงงานฯ ที่สถานีบำบัดน้ำเสียชุมชนบางนา
Location : บริษัท สยามอีสเทต ซัพพลายส์ (ประเทศไทย) จำกัด
Date Analysis Commenced : Jan 18, 2023
Condition of Sample : Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 degree C)	mg/L	-	2.0	57.2	≤500	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	179	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	5	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH at 25 degree C *	-	-	-	7.8	6.5-8.5	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	604	≤1300	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	52	≤200	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of Asia Industrial Estate, Maximum levels for wastewater discharging to central wastewater treatment plant.

Sampling By : Thawana Janya วรณัฐวัฒน์ >204-4-5414

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

Technical Management

Siriluk P.Siriluk Puangpang
Supervisor
โทรศัพท์ : 204-4-4720

Approved by

Kankkorn A.Kankkorn Anek
Senior Manager
โทรศัพท์ : 204-4-6111

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S:\Report\AL_01_up (1-5359)



Analysis / Test Report

TESTING
No.0009

Client : Asia Industrial Estate Co., Ltd.
49 Soi Pipat (Silom 3) Asia Sermi Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500
P/O : **ปิยนุช**
Project Name : Project AIE (Suwanaphumi)
Project Location :

Lot ID: **231569**
Date Received : Jan 17, 2023
Date Reported : Jan 24, 2023
Report Number : 2535636-1

Page 18 of 21

Sample Number : 231569-19
Sampled Date : Jan 17, 2023 10:10 AM
Sample Description : น้ำเสียจากโรงงานฯ ที่สถานีบำบัดน้ำเสียชุมชนบางนา
Location : บริษัท สยามอีสเทต ซัพพลายส์ (ประเทศไทย) จำกัด
Date Analysis Commenced : Jan 18, 2023
Condition of Sample : Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 degree C)	mg/L	-	2.0	<2.0	≤500	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	<25	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	4	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH at 25 degree C *	-	-	-	7.6	6.5-8.5	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	936	≤1300	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	<5	≤200	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of Asia Industrial Estate, Maximum levels for wastewater discharging to central wastewater treatment plant.

Sampling By : Thawana Janya วรณัฐวัฒน์ >204-4-5414

Remark :
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Technical Management

Siriluk P.Siriluk Puangpang
Supervisor
โทรศัพท์ : 204-4-4720

Approved by

Kankkorn A.Kankkorn Anek
Senior Manager
โทรศัพท์ : 204-4-6111

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S:\Report\AL_01_up (1-5359)



Analysis / Test Report

TESTING
No.0009

Client : Asia Industrial Estate Co., Ltd.
49 Soi Pipat (Silom 3) Asia Sermi Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500
P/O : **สุวิมล**
Project Name : Project AIE (Suwanaphumi)
Project Location :

Lot ID: **231569**
Date Received : Jan 17, 2023
Date Reported : Jan 24, 2023
Report Number : 2515636-1

Page 21 of 21

Sample Number : 231569-22
Sampled Date : Jan 17, 2023 10:45 AM
Sample Description : น้ำเสียจากโรงงานฯ ที่สถานีบำบัดน้ำเสียอุตสาหกรรม
Location : บริษัท อีเอส (ประเทศไทย) จำกัด
Date Analysis Commenced : Jan 18, 2023
Condition of Sample : Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 degree C)	mg/L	-	2.0	5.7	≤500	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	45	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	3	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH at 25 degree C *	-	-	-	7.7	6.5-8.5	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	352	≤1300	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	10	≤200	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of Asia Industrial Estate, Maximum levels for wastewater discharging to central wastewater treatment plant.

Sampling By : Thawana Janya วรณัฐวณิช >204-45414

Remark :
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- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
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- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management

Siriluk P.
Siriluk Pongpang
Supervisor
วรณัฐวณิช >204-47270

Approved by

Kankkorn A.
Kankkorn Anek
Senior Manager
วรณัฐวณิช >204-6111

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LS17(Report)_AL_01.up1 (3/5/2019)



Analysis / Test Report

TESTING
No.0009

Client : Asia Industrial Estate Co., Ltd.
49 Soi Pipat (Silom 3) Asia Sermi Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500
P/O : **สุวิมล**
Project Name : Project AIE (Suwanaphumi)
Project Location :

Lot ID: **2314025**
Date Received : Feb 14, 2023
Date Reported : Feb 21, 2023
Report Number : 2561037-1

Page 1 of 21

Sample Number : 2314025-1
Sampled Date : Feb 14, 2023 11:30 AM
Sample Description : น้ำเสียจากโรงงานฯ ที่สถานีบำบัดน้ำเสียอุตสาหกรรม
Location : IIDELECTRONICS (THAILAND) CO., LTD.
Date Analysis Commenced : Feb 15, 2023
Condition of Sample : Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 degree C)	mg/L	-	2.0	65.5	≤500	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	226	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	7	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH at 25 degree C *	-	-	-	7.7	6.5-8.5	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	268	≤1300	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	75	≤200	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of Asia Industrial Estate, Maximum levels for wastewater discharging to central wastewater treatment plant.

Sampling By : Chuladatt Warin วรณัฐวณิช >204-6120

Remark :
- LOD : Limit of Detection
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Technical Management

Sumimon C.
Sumimon Chaiyaput
Scientist (2)
วรณัฐวณิช >204-45417

Approved by

Kankkorn A.
Kankkorn Anek
Senior Manager
วรณัฐวณิช >204-6111

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LS17(Report)_AL_01.up1 (5/5/2019)



Analysis / Test Report

TESTING
No.0009

Client : Asia Industrial Estate Co., Ltd.
49 Soi Pipat (Silom 3) Asia Sermi Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500
P/O : **สุวิมล**
Project Name : Project AIE (Suwanaphumi)
Project Location :

Lot ID: **2314025**
Date Received : Feb 14, 2023
Date Reported : Feb 21, 2023
Report Number : 2561037-1

Page 2 of 21

Sample Number : 2314025-2
Sampled Date : Feb 14, 2023 10:55 AM
Sample Description : น้ำเสียจากโรงงานฯ ที่สถานีบำบัดน้ำเสียอุตสาหกรรม
Location : บริษัท ไทย TOPRE (THAILAND) CO., LTD.
Date Analysis Commenced : Feb 15, 2023
Condition of Sample : Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 degree C)	mg/L	-	2.0	28.6	≤500	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	138	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	14	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH at 25 degree C *	-	-	-	8.0	6.5-8.5	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	444	≤1300	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	28	≤200	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of Asia Industrial Estate, Maximum levels for wastewater discharging to central wastewater treatment plant.

Sampling By : Chuladatt Warin วรณัฐวณิช >204-6120

Remark :
- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
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- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management

Sumimon C.
Sumimon Chaiyaput
Scientist (2)
วรณัฐวณิช >204-45417

Approved by

Kankkorn A.
Kankkorn Anek
Senior Manager
วรณัฐวณิช >204-6111

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LS17-02/ENGL

LS17(Report)_AL_01.up1 (5/5/2019)



Analysis / Test Report

TESTING
No.0009

Client : Asia Industrial Estate Co., Ltd.
49 Soi Pipat (Silom 3) Asia Sermi Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500
P/O : **สุวิมล**
Project Name : Project AIE (Suwanaphumi)
Project Location :

Lot ID: **2314025**
Date Received : Feb 14, 2023
Date Reported : Feb 21, 2023
Report Number : 2561037-1

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Sample Number : 2314025-3
Sampled Date : Feb 14, 2023 11:40 AM
Sample Description : น้ำเสียจากโรงงานฯ ที่สถานีบำบัดน้ำเสียอุตสาหกรรม
Location : บริษัท ไอเอส (ประเทศไทย) จำกัด ISEWAN (THAILAND) CO., LTD.
Date Analysis Commenced : Feb 15, 2023
Condition of Sample : Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 degree C)	mg/L	-	2.0	20.3	≤500	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	110	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	6	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH at 25 degree C *	-	-	-	7.9	6.5-8.5	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	396	≤1300	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	23	≤200	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of Asia Industrial Estate, Maximum levels for wastewater discharging to central wastewater treatment plant.

Sampling By : Chuladatt Warin วรณัฐวณิช >204-6120

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

Sumimon C.
Sumimon Chaiyaput
Scientist (2)
วรณัฐวณิช >204-45417

Approved by

Kankkorn A.
Kankkorn Anek
Senior Manager
วรณัฐวณิช >204-6111

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LS17(Report)_AL_01.up1 (5/5/2019)



Analysis / Test Report

TESTING
No.0009

Client : Asia Industrial Estate Co., Ltd.
49 Soi Pipat (Silom 3) Asia Sermkij Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500
P/O : **ปิยะพงษ์**
Project Name : Project AIE (Suwanaphumi)
Project Location :

Lot ID: **2314025**
Date Received : Feb 14, 2023
Date Reported : Feb 21, 2023
Report Number : 2561037-1

Page 4 of 21

Sample Number : 2314025-4
Sampled Date : Feb 14, 2023 11:05 AM
Sample Description : น้ำเสียจากโรงงานฯ ที่สถานีบำบัดน้ำเสียของโรงงานฯ
Location : บริษัท ไทยมาเทค จำกัด THAI AMTEC CO., LTD.
Date Analysis Commenced : Feb 15, 2023
Condition of Sample : Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 degree C)	mg/L	-	2.0	132	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	280	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	6	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH at 25 degree C *	-	-	-	7.1	6.5-8.5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	360	≤1300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	27	≤200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of Asia Industrial Estate, Maximum levels for wastewater discharging to central wastewater treatment plant.

Sampling By : Chuladek Warin วรณัฐวานิชย์ >204-a-6120

Remark :
- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
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- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management

Suwimon C.
Suwimon Chaiwongyut
Scientist (2)
วรณัฐวานิชย์ >204-a-5417

Approved by

Kankkorn Anek
Kankkorn Anek
Senior Manager
วรณัฐวานิชย์ >204-a-6111

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LS17(Report)_AL_01.up1 (5/5896)



Analysis / Test Report

TESTING
No.0009

Client : Asia Industrial Estate Co., Ltd.
49 Soi Pipat (Silom 3) Asia Sermkij Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500
P/O : **ปิยะพงษ์**
Project Name : Project AIE (Suwanaphumi)
Project Location :

Lot ID: **2314025**
Date Received : Feb 14, 2023
Date Reported : Feb 21, 2023
Report Number : 2561037-1

Page 5 of 21

Sample Number : 2314025-5
Sampled Date : Feb 14, 2023 10:25 AM
Sample Description : น้ำเสียจากโรงงานฯ ที่สถานีบำบัดน้ำเสียของโรงงานฯ
Location : บริษัท ไทยมาเทค จำกัด (มหาชน) จำกัด
Date Analysis Commenced : Feb 15, 2023
Condition of Sample : Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 degree C)	mg/L	-	2.0	3.2	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	32	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH at 25 degree C *	-	-	-	8.0	6.5-8.5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	384	≤1300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	<5	≤200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of Asia Industrial Estate, Maximum levels for wastewater discharging to central wastewater treatment plant.

Sampling By : Chuladek Warin วรณัฐวานิชย์ >204-a-6120

Remark :
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Technical Management

Suwimon C.
Suwimon Chaiwongyut
Scientist (2)
วรณัฐวานิชย์ >204-a-5417

Approved by

Kankkorn Anek
Kankkorn Anek
Senior Manager
วรณัฐวานิชย์ >204-a-6111

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LS17(Report)_AL_01.up1 (5/5896)



Analysis / Test Report

TESTING
No.0009

Client : Asia Industrial Estate Co., Ltd.
49 Soi Pipat (Silom 3) Asia Sermkij Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500
P/O : เอเชียฟาร์ม
Project Name : Project AIE (Suwanaphumi)
Project Location :

Lot ID: 2314025
Date Received : Feb 14, 2023
Date Reported : Feb 21, 2023
Report Number : 2561037-1

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Sample Number : 2314025-8
Sampled Date : Feb 14, 2023 11:20 AM
Sample Description : น้ำเสียจากโรงงานอาหารสัตว์ที่จังหวัดนครราชสีมา
Location : บริษัท อีสเทิร์น ฟู้ดส์ (ประเทศไทย) จำกัด
Date Analysis Commenced : Feb 15, 2023
Condition of Sample : Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 degree C)	mg/L	-	2.0	24.4	≤500	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	156	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	5	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH at 25 degree C *	-	-	-	7.8	6.5-8.5	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	624	≤1300	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	132	≤200	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of Asia Industrial Estate, Maximum levels for wastewater discharging to central wastewater treatment plant.

Sampling By : Chuladet Warin วรณัฐวานิชย์ >204-a-6120

Remark :
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Technical Management

Suwimon C.
Suwimon Chaiwongyut
Scientist (2)
วรณัฐวานิชย์ >204-a-5417

Approved by

Kankkorn Anek
Kankkorn Anek
Senior Manager
วรณัฐวานิชย์ >204-a-6111

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Analysis / Test Report

TESTING
No.0009

Client : Asia Industrial Estate Co., Ltd.
49 Soi Pipat (Silom 3) Asia Sermkij Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500
P/O : เอเชียฟาร์ม
Project Name : Project AIE (Suwanaphumi)
Project Location :

Lot ID: 2314025
Date Received : Feb 14, 2023
Date Reported : Feb 21, 2023
Report Number : 2561037-1

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Sample Number : 2314025-9
Sampled Date : Feb 14, 2023 9:20 AM
Sample Description : น้ำเสียจากโรงงานอาหารสัตว์ที่จังหวัดนครราชสีมา
Location : บริษัท อีสเทิร์น ฟู้ดส์ (ประเทศไทย) จำกัด
Date Analysis Commenced : Feb 15, 2023
Condition of Sample : Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 degree C)	mg/L	-	2.0	59.5	≤500	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	201	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	23	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH at 25 degree C *	-	-	-	8.0	6.5-8.5	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	460	≤1300	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	37	≤200	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of Asia Industrial Estate, Maximum levels for wastewater discharging to central wastewater treatment plant.

Sampling By : Chuladet Warin วรณัฐวานิชย์ >204-a-6120

Remark :
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Technical Management

Suwimon C.
Suwimon Chaiwongyut
Scientist (2)
วรณัฐวานิชย์ >204-a-5417

Approved by

Kankkorn Anek
Kankkorn Anek
Senior Manager
วรณัฐวานิชย์ >204-a-6111

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Analysis / Test Report

TESTING
No.0009

Client : Asia Industrial Estate Co., Ltd.
49 Soi Pipat (Silom 3) Asia Sermik Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500
P/O : เอเชียฟาร์ม
Project Name : Project AIE (Suwanaphumi)
Project Location :

Lot ID: 2314025
Date Received : Feb 14, 2023
Date Reported : Feb 21, 2023
Report Number : 2561037-1

Page 12 of 21

Sample Number : 2314025-12
Sampled Date : Feb 14, 2023 9:25 AM
Sample Description : น้ำเสียจากโรงงานอาหารสัตว์ที่โรงบำบัดน้ำเสียชุมชนบ้านดอนสามัคคี
Location : บริเวณ อู่ขุดคลอง คลอง (คลองหน้าวัด) บ้านดอนสามัคคี
Date Analysis Commenced : Feb 15, 2023
Condition of Sample : Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 degree C)	mg/L	-	2.0	32.7	≤500	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	156	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	11	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH at 25 degree C *	-	-	-	8.0	6.5-8.5	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	296	≤1300	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	43	≤200	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of Asia Industrial Estate, Maximum levels for wastewater discharging to central wastewater treatment plant.

Sampling By : Chuladee Warin วรณัฐวานิชย์ 204-6-6120

Remark :
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Technical Management

Suwimon C.
Suwimon Chaiyapant
Scientist (2)
วรณัฐวานิชย์ 204-6-5417

Approved by

Kankkorn Anek
Kankkorn Anek
Senior Manager
วรณัฐวานิชย์ 204-6-6111

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Analysis / Test Report

TESTING
No.0009

Client : Asia Industrial Estate Co., Ltd.
49 Soi Pipat (Silom 3) Asia Sermik Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500
P/O : เอเชียฟาร์ม
Project Name : Project AIE (Suwanaphumi)
Project Location :

Lot ID: 2314025
Date Received : Feb 14, 2023
Date Reported : Feb 21, 2023
Report Number : 2561037-1

Page 13 of 21

Sample Number : 2314025-13
Sampled Date : Feb 14, 2023 9:35 AM
Sample Description : น้ำเสียจากโรงงานอาหารสัตว์ที่โรงบำบัดน้ำเสียชุมชนบ้านดอนสามัคคี
Location : บริเวณ อู่ขุดคลอง คลอง (คลองหน้าวัด) บ้านดอนสามัคคี
Date Analysis Commenced : Feb 15, 2023
Condition of Sample : Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 degree C)	mg/L	-	2.0	10.2	≤500	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	70	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	7	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH at 25 degree C *	-	-	-	7.6	6.5-8.5	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	760	≤1300	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	14	≤200	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of Asia Industrial Estate, Maximum levels for wastewater discharging to central wastewater treatment plant.

Sampling By : Chuladee Warin วรณัฐวานิชย์ 204-6-6120

Remark :
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Technical Management

Suwimon C.
Suwimon Chaiyapant
Scientist (2)
วรณัฐวานิชย์ 204-6-5417

Approved by

Kankkorn Anek
Kankkorn Anek
Senior Manager
วรณัฐวานิชย์ 204-6-6111

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Analysis / Test Report

TESTING
No.0009

Client : Asia Industrial Estate Co., Ltd.
49 Soi Pipat (Silom 3) Asia Sermi Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500
P/O : เอเชียฟาร์ม
Project Name : Project AIE (Suwanaphumi)
Project Location :

Lot ID: 2314025
Date Received : Feb 14, 2023
Date Reported : Feb 21, 2023
Report Number : 2561037-1

Page 16 of 21

Sample Number : 2314025-16
Sampled Date : Feb 14, 2023 10:05 AM
Sample Description : น้ำทิ้งจากโรงงานภายในพื้นที่อุตสาหกรรม
Location : บริเวณแหล่งผลิต (บริเวณโรงโม่หิน) ฝั่ง 7
Date Analysis Commenced : Feb 15, 2023
Condition of Sample : Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 degree C)	mg/L	-	2.0	33.3	≤500	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	173	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	11	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH at 25 degree C *	-	-	-	8.0	6.5-8.5	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	396	≤1300	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	42	≤200	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of Asia Industrial Estate, Maximum levels for wastewater discharging to central wastewater treatment plant.

Sampling By : Chuladet Warin วรณัฐวานิชย์ >204-a-6120

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

Suwimon C.
Suwimon Chairuangrut
Scientist (2)
วรณัฐวานิชย์ >204-a-5417

Approved by

Kankkorn Anek
Kankkorn Anek
Senior Manager
วรณัฐวานิชย์ >204-a-6111

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Analysis / Test Report

TESTING
No.0009

Client : Asia Industrial Estate Co., Ltd.
49 Soi Pipat (Silom 3) Asia Sermi Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500
P/O : เอเชียฟาร์ม
Project Name : Project AIE (Suwanaphumi)
Project Location :

Lot ID: 2314025
Date Received : Feb 14, 2023
Date Reported : Feb 21, 2023
Report Number : 2561037-1

Page 17 of 21

Sample Number : 2314025-18
Sampled Date : Feb 14, 2023 9:45 AM
Sample Description : น้ำทิ้งจากโรงงานภายในพื้นที่อุตสาหกรรม
Location : บริเวณแหล่งผลิต (บริเวณโรงโม่หิน) ฝั่ง 6
Date Analysis Commenced : Feb 15, 2023
Condition of Sample : Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 degree C)	mg/L	-	2.0	2.2	≤500	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	53	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	4	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH at 25 degree C *	-	-	-	7.8	6.5-8.5	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	532	≤1300	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	6	≤200	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of Asia Industrial Estate, Maximum levels for wastewater discharging to central wastewater treatment plant.

Sampling By : Chuladet Warin วรณัฐวานิชย์ >204-a-6120

Remark :
- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
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- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management

Suwimon C.
Suwimon Chairuangrut
Scientist (2)
วรณัฐวานิชย์ >204-a-5417

Approved by

Kankkorn Anek
Kankkorn Anek
Senior Manager
วรณัฐวานิชย์ >204-a-6111

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S:\Report\AL_OL\up (15/08/20)



Analysis / Test Report



TESTING
No.0009

Client : Asia Industrial Estate Co., Ltd.
49 Soi Pipat (Silom 3) Asia Sermik Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500
P/O : **ปิยะพงษ์**
Project Name : Project AIE (Suwanaphumi)
Project Location :

Lot ID: **2314025**
Date Received : Feb 14, 2023
Date Reported : Feb 21, 2023
Report Number : 2561037-1

Page 20 of 21

Sample Number : 2314025-21
Sampled Date : Feb 14, 2023 11:35 AM
Sample Description : น้ำเสียจากโรงงานฯ ที่สถานีบำบัดน้ำเสียชุมชนบางนา
Location : บริษัท อีสัน แอสเสท เทรกดิเวล (ประเทศไทย) จำกัด
Date Analysis Commenced : Feb 15, 2023
Condition of Sample : Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 degree C)	mg/L	-	2.0	67.2	≤500	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	296	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	6	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH at 25 degree C *	-	-	-	8.0	6.5-8.5	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	524	≤1300	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	118	≤200	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of Asia Industrial Estate, Maximum levels for wastewater discharging to central wastewater treatment plant.

Sampling By : Chuladet Warin วรณัฐวานิชย์ >204-a-6120

Remark :
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Technical Management

Suwimon C.
Suwimon Chaisangpue
Scientist (2)
วรณัฐวานิชย์ >204-a-6117

Approved by

Kankkorn Anek
Kankkorn Anek
Senior Manager
วรณัฐวานิชย์ >204-a-6111

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LS17(Report)_AL_01_up1 (5/8/2019)



Analysis / Test Report



TESTING
No.0009

Client : Asia Industrial Estate Co., Ltd.
49 Soi Pipat (Silom 3) Asia Sermik Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500
P/O : **ปิยะพงษ์**
Project Name : Project AIE (Suwanaphumi)
Project Location :

Lot ID: **2314025**
Date Received : Feb 14, 2023
Date Reported : Feb 21, 2023
Report Number : 2561037-1

Page 21 of 21

Sample Number : 2314025-22
Sampled Date : Feb 14, 2023 11:00 AM
Sample Description : น้ำเสียจากโรงงานฯ ที่สถานีบำบัดน้ำเสียชุมชนบางนา
Location : บริษัท อีสัน แอสเสท เทรกดิเวล (ประเทศไทย) จำกัด
Date Analysis Commenced : Feb 15, 2023
Condition of Sample : Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 degree C)	mg/L	-	2.0	17.7	≤500	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	121	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	3	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH at 25 degree C *	-	-	-	8.2	6.5-8.5	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	376	≤1300	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	14	≤200	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of Asia Industrial Estate, Maximum levels for wastewater discharging to central wastewater treatment plant.

Sampling By : Chuladet Warin วรณัฐวานิชย์ >204-a-6120

Remark :
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Technical Management

Suwimon C.
Suwimon Chaisangpue
Scientist (2)
วรณัฐวานิชย์ >204-a-6117

Approved by

Kankkorn Anek
Kankkorn Anek
Senior Manager
วรณัฐวานิชย์ >204-a-6111

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LS17(Report)_AL_01_up1 (5/8/2019)



Analysis / Test Report



TESTING
No.0009

Client : Asia Industrial Estate Co., Ltd.
49 Soi Pipat (Silom 3) Asia Sermik Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500
P/O : **ปิยะพงษ์**
Project Name : Project AIE (Suwanaphumi)
Project Location :

Lot ID: **2325276**
Date Received : Mar 14, 2023
Date Reported : Mar 22, 2023
Report Number : 2585056-1

Page 1 of 22

Sample Number : 2325276-1
Sampled Date : Mar 14, 2023 11:12 AM
Sample Description : น้ำเสียจากโรงงานฯ ที่สถานีบำบัดน้ำเสียชุมชนบางนา
Location : IIDELECTRONICS (THAILAND) CO., LTD.
Date Analysis Commenced : Mar 15, 2023
Condition of Sample : Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 degree C)	mg/L	-	2.0	61.5	≤500	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	219	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	9	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH at 25 degree C *	-	-	-	7.8	6.5-8.5	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	280	≤1300	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	63	≤200	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of Asia Industrial Estate, Maximum levels for wastewater discharging to central wastewater treatment plant.

Sampling By : Chuladet Warin วรณัฐวานิชย์ >204-a-6120

Remark :
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Technical Management

Siriluk P.
Siriluk Puangpang
Supervisor
วรณัฐวานิชย์ >204-a-6120

Approved by

Kankkorn Anek
Kankkorn Anek
Senior Manager
วรณัฐวานิชย์ >204-a-6111

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LS17(Report)_AL_01_up1 (5/8/2019)



Analysis / Test Report



TESTING
No.0009

Client : Asia Industrial Estate Co., Ltd.
49 Soi Pipat (Silom 3) Asia Sermik Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500
P/O : **ปิยะพงษ์**
Project Name : Project AIE (Suwanaphumi)
Project Location :

Lot ID: **2325276**
Date Received : Mar 14, 2023
Date Reported : Mar 22, 2023
Report Number : 2585056-1

Page 2 of 22

Sample Number : 2325276-2
Sampled Date : Mar 14, 2023 10:42 AM
Sample Description : น้ำเสียจากโรงงานฯ ที่สถานีบำบัดน้ำเสียชุมชนบางนา
Location : บริษัท ไทย TOPRE (THAILAND) CO., LTD.
Date Analysis Commenced : Mar 15, 2023
Condition of Sample : Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 degree C)	mg/L	-	2.0	9.6	≤500	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	74	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	5	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH at 25 degree C *	-	-	-	8.0	6.5-8.5	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	456	≤1300	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	9	≤200	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of Asia Industrial Estate, Maximum levels for wastewater discharging to central wastewater treatment plant.

Sampling By : Chuladet Warin วรณัฐวานิชย์ >204-a-6120

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

Technical Management

Siriluk P.
Siriluk Puangpang
Supervisor
วรณัฐวานิชย์ >204-a-6120

Approved by

Kankkorn Anek
Kankkorn Anek
Senior Manager
วรณัฐวานิชย์ >204-a-6111

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LS17(Report)_AL_01_up1 (5/8/2019)



Analysis / Test Report



TESTING
No.0009

Client : Asia Industrial Estate Co., Ltd.
49 Soi Pipat (Silom 3) Asia Sermik Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500
P/O : **ปิยะพงษ์**
Project Name : Project AIE (Suwanaphumi)
Project Location :

Lot ID: 2325276
Date Received : Mar 14, 2023
Date Reported : Mar 22, 2023
Report Number : 2585056-1

Page 3 of 22

Sample Number : 2325276-3
Sampled Date : Mar 14, 2023 11:25 AM
Sample Description : น้ำเสียจากโรงงานฯ ที่สถานีบำบัดน้ำเสียอุตสาหกรรม
Location : บริษัท เอเชีย (ประเทศไทย) จำกัด ISEWAN (THAILAND) CO., LTD.
Date Analysis Commenced : Mar 15, 2023
Condition of Sample : Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 degree C)	mg/L	-	2.0	25.1	≤500	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	125	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	8	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH at 25 degree C *	-	-	-	8.0	6.5-8.5	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	744	≤1300	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	33	≤200	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of Asia Industrial Estate, Maximum levels for wastewater discharging to central wastewater treatment plant.

Sampling By : Chuladek Warin วรณัฐวานิชย์ >204-6120

Remark :
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- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
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- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management

Siriluk P.

Siriluk Puangpang
Supervisor
วรณัฐวานิชย์ >204-6120

Approved by

Kankkorn A.

Kankkorn Anek
Senior Manager
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LS17-02 ENGL

LS17(Report)_AE_01-up (6/08/09)



Analysis / Test Report



TESTING
No.0009

Client : Asia Industrial Estate Co., Ltd.
49 Soi Pipat (Silom 3) Asia Sermik Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500
P/O : **ปิยะพงษ์**
Project Name : Project AIE (Suwanaphumi)
Project Location :

Lot ID: 2325276
Date Received : Mar 14, 2023
Date Reported : Mar 22, 2023
Report Number : 2585056-1

Page 4 of 22

Sample Number : 2325276-4
Sampled Date : Mar 14, 2023 10:51 AM
Sample Description : น้ำเสียจากโรงงานฯ ที่สถานีบำบัดน้ำเสียอุตสาหกรรม
Location : บริษัท ไทยอเมทค จำกัด THAI AMTEC CO., LTD.
Date Analysis Commenced : Mar 15, 2023
Condition of Sample : Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 degree C)	mg/L	-	2.0	26.6	≤500	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	122	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	4	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH at 25 degree C *	-	-	-	7.4	6.5-8.5	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	448	≤1300	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	19	≤200	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of Asia Industrial Estate, Maximum levels for wastewater discharging to central wastewater treatment plant.

Sampling By : Chuladek Warin วรณัฐวานิชย์ >204-6120

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

Siriluk P.

Siriluk Puangpang
Supervisor
วรณัฐวานิชย์ >204-6120

Approved by

Kankkorn A.

Kankkorn Anek
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LS17(Report)_AE_01-up (6/08/09)



Analysis / Test Report



TESTING
No.0009

Client : Asia Industrial Estate Co., Ltd.
49 Soi Pipat (Silom 3) Asia Sermik Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500
P/O : **ปิยะพงษ์**
Project Name : Project AIE (Suwanaphumi)
Project Location :

Lot ID: 2325276
Date Received : Mar 14, 2023
Date Reported : Mar 22, 2023
Report Number : 2585056-1

Page 5 of 22

Sample Number : 2325276-5
Sampled Date : Mar 14, 2023 10:05 AM
Sample Description : น้ำเสียจากโรงงานฯ ที่สถานีบำบัดน้ำเสียอุตสาหกรรม
Location : บริษัท เอเชีย (ประเทศไทย) จำกัด
Date Analysis Commenced : Mar 15, 2023
Condition of Sample : Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 degree C)	mg/L	-	2.0	2.5	≤500	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	<25	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	3	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH at 25 degree C *	-	-	-	7.8	6.5-8.5	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	312	≤1300	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	6	≤200	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of Asia Industrial Estate, Maximum levels for wastewater discharging to central wastewater treatment plant.

Sampling By : Chuladek Warin วรณัฐวานิชย์ >204-6120

Remark :
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Technical Management

Siriluk P.

Siriluk Puangpang
Supervisor
วรณัฐวานิชย์ >204-6120

Approved by

Kankkorn A.

Kankkorn Anek
Senior Manager
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LS17(Report)_AE_01-up (6/08/09)



Analysis / Test Report



TESTING
No.0009

Client : Asia Industrial Estate Co., Ltd.
49 Soi Pipat (Silom 3) Asia Sermik Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500
P/O : **ปิยะพงษ์**
Project Name : Project AIE (Suwanaphumi)
Project Location :

Lot ID: 2325276
Date Received : Mar 14, 2023
Date Reported : Mar 22, 2023
Report Number : 2585056-1

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Sample Number : 2325276-6
Sampled Date : Mar 14, 2023 10:27 AM
Sample Description : น้ำเสียจากโรงงานฯ ที่สถานีบำบัดน้ำเสียอุตสาหกรรม
Location : บริษัท เอเชีย (ประเทศไทย) จำกัด
Date Analysis Commenced : Mar 15, 2023
Condition of Sample : Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 degree C)	mg/L	-	2.0	53.2	≤500	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	200	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	13	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH at 25 degree C *	-	-	-	7.6	6.5-8.5	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	324	≤1300	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	68	≤200	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of Asia Industrial Estate, Maximum levels for wastewater discharging to central wastewater treatment plant.

Sampling By : Chuladek Warin วรณัฐวานิชย์ >204-6120

Remark :
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Technical Management

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Analysis / Test Report

TESTING
No.0009

Client : Asia Industrial Estate Co., Ltd.
49 Soi Pipat (Silom 3) Asia Sermi Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500
P/O : **ปิยนุช**
Project Name : Project AIE (Suwanaphumi)
Project Location :

Lot ID: 2325276
Date Received : Mar 14, 2023
Date Reported : Mar 22, 2023
Report Number : 2585056-1

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Sample Number 2325276-7
Sampled Date Mar 14, 2023 10:59 AM
Sample Description น้ำเสียจากโรงงานฯ ที่สถานีบำบัดน้ำเสียชุมชนบางนา
Location บริเวณ โรงโม่ (บริเวณฟาร์ม) ชลบุรี
Date Analysis Commenced Mar 15, 2023
Condition of Sample Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 degree C)	mg/L	-	2.0	16.1	≤500	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	102	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	7	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH at 25 degree C *	-	-	-	7.8	6.5-8.5	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	416	≤1300	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	34	≤200	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of Asia Industrial Estate, Maximum levels for wastewater discharging to central wastewater treatment plant.

Sampling By : Chuladee Warin วรณัฐวานิชย์ >204-a-6120

Remark :
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Technical Management

Siriluk P.Siriluk Puangpang
Supervisor
วรณัฐวานิชย์ >204-a-4720

Approved by

Kankkorn A.Kankkorn Anek
Senior Manager
วรณัฐวานิชย์ >204-a-6111

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Analysis / Test Report

TESTING
No.0009

Client : Asia Industrial Estate Co., Ltd.
49 Soi Pipat (Silom 3) Asia Sermi Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500
P/O : **ปิยนุช**
Project Name : Project AIE (Suwanaphumi)
Project Location :

Lot ID: 2325276
Date Received : Mar 14, 2023
Date Reported : Mar 22, 2023
Report Number : 2585056-1

Page 8 of 22

Sample Number 2325276-8
Sampled Date Mar 14, 2023 11:05 AM
Sample Description น้ำเสียจากโรงงานฯ ที่สถานีบำบัดน้ำเสียชุมชนบางนา
Location บริเวณ โรงโม่ (บริเวณฟาร์ม) ชลบุรี
Date Analysis Commenced Mar 15, 2023
Condition of Sample Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 degree C)	mg/L	-	2.0	7.0	≤500	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	111	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	5	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH at 25 degree C *	-	-	-	8.2	6.5-8.5	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	504	≤1300	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	100	≤200	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of Asia Industrial Estate, Maximum levels for wastewater discharging to central wastewater treatment plant.

Sampling By : Chuladee Warin วรณัฐวานิชย์ >204-a-6120

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Technical Management

Siriluk P.Siriluk Puangpang
Supervisor
วรณัฐวานิชย์ >204-a-4720

Approved by

Kankkorn A.Kankkorn Anek
Senior Manager
วรณัฐวานิชย์ >204-a-6111

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Analysis / Test Report



TESTING
No.0009

Client : Asia Industrial Estate Co., Ltd.
49 Soi Pipat (Silom 3) Asia Sermik Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500
P/O : **ปิยะพงษ์**
Project Name : Project AIE (Suwanaphumi)
Project Location :

Lot ID: 2325276
Date Received : Mar 14, 2023
Date Reported : Mar 22, 2023
Report Number : 2585056-1

Page 11 of 22

Sample Number : 2325276-11
Sampled Date : Mar 14, 2023 10:55 AM
Sample Description : น้ำเสียจากโรงงานฯ ที่สถานีบำบัดน้ำเสียชุมชนบ้านสวนนาโหนด
Location : บริษัท อีสเทิร์น (ไทยแลนด์) จำกัด
Date Analysis Commenced : Mar 15, 2023
Condition of Sample : Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 degree C)	mg/L	-	2.0	42.2	≤500	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	187	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	8	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH at 25 degree C *	-	-	-	7.9	6.5-8.5	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	364	≤1300	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	10	≤200	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of Asia Industrial Estate, Maximum levels for wastewater discharging to central wastewater treatment plant.

Sampling By : Chuladek Warin วรณัฐวานิชย์ 204-4-6120

Remark :
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Technical Management

Siriluk P.
Siriluk Puangpang
Supervisor
วรณัฐวานิชย์ 204-4-4720

Approved by

Kankkorn A.
Kankkorn Anek
Senior Manager
วรณัฐวานิชย์ 204-4-6111

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LS17(Report)_AE_01.upd (6/08/20)



Analysis / Test Report



TESTING
No.0009

Client : Asia Industrial Estate Co., Ltd.
49 Soi Pipat (Silom 3) Asia Sermik Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500
P/O : **ปิยะพงษ์**
Project Name : Project AIE (Suwanaphumi)
Project Location :

Lot ID: 2325276
Date Received : Mar 14, 2023
Date Reported : Mar 22, 2023
Report Number : 2585056-1

Page 12 of 22

Sample Number : 2325276-12
Sampled Date : Mar 14, 2023 9:13 AM
Sample Description : น้ำเสียจากโรงงานฯ ที่สถานีบำบัดน้ำเสียชุมชนบ้านสวนนาโหนด
Location : บริษัท อีสเทิร์น (ไทยแลนด์) จำกัด
Date Analysis Commenced : Mar 15, 2023
Condition of Sample : Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 degree C)	mg/L	-	2.0	17.9	≤500	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	124	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	6	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH at 25 degree C *	-	-	-	7.9	6.5-8.5	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	256	≤1300	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	31	≤200	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of Asia Industrial Estate, Maximum levels for wastewater discharging to central wastewater treatment plant.

Sampling By : Chuladek Warin วรณัฐวานิชย์ 204-4-6120

Remark :
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Technical Management

Siriluk P.
Siriluk Puangpang
Supervisor
วรณัฐวานิชย์ 204-4-4720

Approved by

Kankkorn A.
Kankkorn Anek
Senior Manager
วรณัฐวานิชย์ 204-4-6111

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LS17-02 ENGL

LS17(Report)_AE_01.upd (6/08/20)



Analysis / Test Report



TESTING
No.0009

Client : Asia Industrial Estate Co., Ltd.
49 Soi Pipat (Silom 3) Asia Sermik Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500
P/O : **ปิยะพงษ์**
Project Name : Project AIE (Suwanaphumi)
Project Location :

Lot ID: 2325276
Date Received : Mar 14, 2023
Date Reported : Mar 22, 2023
Report Number : 2585056-1

Page 13 of 22

Sample Number : 2325276-13
Sampled Date : Mar 14, 2023 9:22 AM
Sample Description : น้ำเสียจากโรงงานฯ ที่สถานีบำบัดน้ำเสียชุมชนบ้านสวนนาโหนด
Location : บริษัท อีสเทิร์น (ไทยแลนด์) จำกัด
Date Analysis Commenced : Mar 15, 2023
Condition of Sample : Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 degree C)	mg/L	-	2.0	6.1	≤500	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	50	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	3	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH at 25 degree C *	-	-	-	7.5	6.5-8.5	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	692	≤1300	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	9	≤200	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of Asia Industrial Estate, Maximum levels for wastewater discharging to central wastewater treatment plant.

Sampling By : Chuladek Warin วรณัฐวานิชย์ 204-4-6120

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

Siriluk P.
Siriluk Puangpang
Supervisor
วรณัฐวานิชย์ 204-4-4720

Approved by

Kankkorn A.
Kankkorn Anek
Senior Manager
วรณัฐวานิชย์ 204-4-6111

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Analysis / Test Report



TESTING
No.0009

Client : Asia Industrial Estate Co., Ltd.
49 Soi Pipat (Silom 3) Asia Sermik Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500
P/O : **ปิยะพงษ์**
Project Name : Project AIE (Suwanaphumi)
Project Location :

Lot ID: 2325276
Date Received : Mar 14, 2023
Date Reported : Mar 22, 2023
Report Number : 2585056-1

Page 14 of 22

Sample Number : 2325276-14
Sampled Date : Mar 14, 2023 11:30 AM
Sample Description : น้ำเสียจากโรงงานฯ ที่สถานีบำบัดน้ำเสียชุมชนบ้านสวนนาโหนด
Location : บริษัท อีสเทิร์น (ไทยแลนด์) จำกัด (มหาชน) อาคาร 1
Date Analysis Commenced : Mar 15, 2023
Condition of Sample : Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 degree C)	mg/L	-	2.0	6.9	≤500	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	57	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	5	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH at 25 degree C *	-	-	-	8.0	6.5-8.5	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	272	≤1300	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	15	≤200	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of Asia Industrial Estate, Maximum levels for wastewater discharging to central wastewater treatment plant.

Sampling By : Chuladek Warin วรณัฐวานิชย์ 204-4-6120

Remark :
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Technical Management

Siriluk P.
Siriluk Puangpang
Supervisor
วรณัฐวานิชย์ 204-4-4720

Approved by

Kankkorn A.
Kankkorn Anek
Senior Manager
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Analysis / Test Report



TESTING
No.0009

Client : Asia Industrial Estate Co., Ltd.
49 Soi Pipat (Silom 3) Asia Sermi Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500
P/O : **ปิยะพงษ์**
Project Name : Project AIE (Suwanaphumi)
Project Location :

Lot ID: 2325276
Date Received : Mar 14, 2023
Date Reported : Mar 22, 2023
Report Number : 2585056-1

Page 15 of 22

Sample Number : 2325276-15
Sampled Date : Mar 14, 2023 9:48 AM
Sample Description : น้ำเสียจากโรงงานฯ ที่สถานีบำบัดน้ำเสียชุมชนบางนา
Location : บริเวณ อู่เรือท่าเรือคลองเตย (บริเวณท่าเรือ) ชั้น 2
Date Analysis Commenced : Mar 15, 2023
Condition of Sample : Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 degree C)	mg/L	-	2.0	9.0	≤500	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	116	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	9	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH at 25 degree C *	-	-	-	8.2	6.5-8.5	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	392	≤1300	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	62	≤200	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of Asia Industrial Estate, Maximum levels for wastewater discharging to central wastewater treatment plant.

Sampling By : Chuladek Warin วรณัฐวานิชย์ >204-a-6120

Remark :
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Technical Management

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Supervisor
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Approved by

Kankkorn Anek
Kankkorn Anek
Senior Manager
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51 (page15)_AL_01_up (6.0899)



Analysis / Test Report



TESTING
No.0009

Client : Asia Industrial Estate Co., Ltd.
49 Soi Pipat (Silom 3) Asia Sermi Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500
P/O : **ปิยะพงษ์**
Project Name : Project AIE (Suwanaphumi)
Project Location :

Lot ID: 2325276
Date Received : Mar 14, 2023
Date Reported : Mar 22, 2023
Report Number : 2585056-1

Page 16 of 22

Sample Number : 2325276-16
Sampled Date : Mar 14, 2023 9:42 AM
Sample Description : น้ำเสียจากโรงงานฯ ที่สถานีบำบัดน้ำเสียชุมชนบางนา
Location : บริเวณ อู่เรือท่าเรือคลองเตย (บริเวณท่าเรือ) ชั้น 7
Date Analysis Commenced : Mar 15, 2023
Condition of Sample : Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 degree C)	mg/L	-	2.0	24.4	≤500	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	132	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	8	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH at 25 degree C *	-	-	-	8.1	6.5-8.5	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	348	≤1300	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	29	≤200	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of Asia Industrial Estate, Maximum levels for wastewater discharging to central wastewater treatment plant.

Sampling By : Chuladek Warin วรณัฐวานิชย์ >204-a-6120

Remark :
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Technical Management

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Siriluk Puangpang
Supervisor
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Approved by

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51 (page16)_AL_01_up (6.0899)



Analysis / Test Report



TESTING
No.0009

Client : Asia Industrial Estate Co., Ltd.
49 Soi Pipat (Silom 3) Asia Sermi Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500
P/O : **ปิยะพงษ์**
Project Name : Project AIE (Suwanaphumi)
Project Location :

Lot ID: 2325276
Date Received : Mar 14, 2023
Date Reported : Mar 22, 2023
Report Number : 2585056-1

Page 17 of 22

Sample Number : 2325276-18
Sampled Date : Mar 14, 2023 9:30 AM
Sample Description : น้ำเสียจากโรงงานฯ ที่สถานีบำบัดน้ำเสียชุมชนบางนา
Location : บริเวณ อู่เรือท่าเรือคลองเตย (บริเวณท่าเรือ) ชั้น 6
Date Analysis Commenced : Mar 15, 2023
Condition of Sample : Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 degree C)	mg/L	-	2.0	5.1	≤500	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	54	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	3	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH at 25 degree C *	-	-	-	7.9	6.5-8.5	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	576	≤1300	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	6	≤200	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of Asia Industrial Estate, Maximum levels for wastewater discharging to central wastewater treatment plant.

Sampling By : Chuladek Warin วรณัฐวานิชย์ >204-a-6120

Remark :
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Technical Management

Siriluk P.
Siriluk Puangpang
Supervisor
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Approved by

Kankkorn Anek
Kankkorn Anek
Senior Manager
วรณัฐวานิชย์ >204-a-6111

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51 (page17)_AL_01_up (6.0899)



Analysis / Test Report



TESTING
No.0009

Client : Asia Industrial Estate Co., Ltd.
49 Soi Pipat (Silom 3) Asia Sermi Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500
P/O : **ปิยะพงษ์**
Project Name : Project AIE (Suwanaphumi)
Project Location :

Lot ID: 2325276
Date Received : Mar 14, 2023
Date Reported : Mar 22, 2023
Report Number : 2585056-1

Page 18 of 22

Sample Number : 2325276-19
Sampled Date : Mar 14, 2023 10:15 AM
Sample Description : น้ำเสียจากโรงงานฯ ที่สถานีบำบัดน้ำเสียชุมชนบางนา
Location : บริเวณ อู่เรือท่าเรือคลองเตย (บริเวณท่าเรือ) ชั้น 6
Date Analysis Commenced : Mar 15, 2023
Condition of Sample : Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 degree C)	mg/L	-	2.0	<2.0	≤500	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	<25	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH at 25 degree C *	-	-	-	7.5	6.5-8.5	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	944	≤1300	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	<5	≤200	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of Asia Industrial Estate, Maximum levels for wastewater discharging to central wastewater treatment plant.

Sampling By : Chuladek Warin วรณัฐวานิชย์ >204-a-6120

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Technical Management

Siriluk P.
Siriluk Puangpang
Supervisor
วรณัฐวานิชย์ >204-a-4720

Approved by

Kankkorn Anek
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51 (page18)_AL_01_up (6.0899)



Analysis / Test Report



TESTING
No.0009

Client : Asia Industrial Estate Co., Ltd.
49 Soi Pipat (Silom 3) Asia Sermi Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500
P/O : **ปิยะพงษ์**
Project Name : Project AIE (Suwanaphumi)
Project Location :

Lot ID: 2325276
Date Received : Mar 14, 2023
Date Reported : Mar 22, 2023
Report Number : 2585056-1

Page 19 of 22

Sample Number : 2325276-20
Sampled Date : Mar 14, 2023 9:17 AM
Sample Description : น้ำทิ้งจากโรงงานฯ ที่สถานีบำบัดน้ำเสียอุตสาหกรรม
Location : บริเวณ อาคาร 1 (บริเวณโรง) จ.ฉะ
Date Analysis Commenced : Mar 15, 2023
Condition of Sample : Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 degree C)	mg/L	-	2.0	21.5	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	131	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	5	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH at 25 degree C *	-	-	-	7.0	6.5-8.5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	436	≤1300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	76	≤200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of Asia Industrial Estate, Maximum levels for wastewater discharging to central wastewater treatment plant.

Sampling By : Chuladek Warin วรณัฐวณิช 204-4-6120

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

Technical Management

Siriluk P.

Siriluk Puangpang
Supervisor
วรณัฐวณิช 204-4-4720

Approved by

Kankkorn A.

Kankkorn Anek
Senior Manager
วรณัฐวณิช 204-4-6111

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LS17-02 ENGL

LS17(Report)_AL_01_up (6/08/09)



Analysis / Test Report



TESTING
No.0009

Client : Asia Industrial Estate Co., Ltd.
49 Soi Pipat (Silom 3) Asia Sermi Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500
P/O : **ปิยะพงษ์**
Project Name : Project AIE (Suwanaphumi)
Project Location :

Lot ID: 2325276
Date Received : Mar 14, 2023
Date Reported : Mar 22, 2023
Report Number : 2585056-1

Page 20 of 22

Sample Number : 2325276-21
Sampled Date : Mar 14, 2023 11:22 AM
Sample Description : น้ำทิ้งจากโรงงานฯ ที่สถานีบำบัดน้ำเสียอุตสาหกรรม
Location : บริเวณ อาคาร 1 (บริเวณโรง) จ.ฉะ
Date Analysis Commenced : Mar 15, 2023
Condition of Sample : Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 degree C)	mg/L	-	2.0	9.6	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	77	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	4	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH at 25 degree C *	-	-	-	8.0	6.5-8.5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	1280	≤1300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	19	≤200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of Asia Industrial Estate, Maximum levels for wastewater discharging to central wastewater treatment plant.

Sampling By : Chuladek Warin วรณัฐวณิช 204-4-6120

Remark :
- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
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- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management

Siriluk P.

Siriluk Puangpang
Supervisor
วรณัฐวณิช 204-4-4720

Approved by

Kankkorn A.

Kankkorn Anek
Senior Manager
วรณัฐวณิช 204-4-6111

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LS17(Report)_AL_01_up (6/08/09)



Analysis / Test Report

TESTING
No.0009

Client : Asia Industrial Estate Co., Ltd.
49 Soi Pipat (Silom 3) Asia Sermi Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500
P/O : เอเชียฯ
Project Name : Project AIE (Suwanaphumi)
Project Location :

Lot ID: 2339094
Date Received : Apr 19, 2023
Date Reported : Apr 26, 2023
Report Number : 2616067-1

Page 1 of 22

Sample Number : 2339094-1
Sampled Date : Apr 19, 2023 11:11 AM
Sample Description : น้ำเสียจากโรงงานฯ ที่เข้าห้องระเหยน้ำที่อาคารโรงงานฯ
Location : IIDELECTRONICS (THAILAND) CO., LTD.
Date Analysis Commenced : Apr 20, 2023
Condition of Sample : Contained in three plastic bottles and one amber glass bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 degree C)	mg/L	-	2.0	87.2	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	223	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	10	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH at 25 degree C *	-	-	-	7.7	6.5-8.5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	292	≤1300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	86	≤200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of Asia Industrial Estate, Maximum levels for wastewater discharging to central wastewater treatment plant.

Sampling By : Thanwa Janya วรณัฐวัฒน์ >204-a-5414

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

Technical Management

Tanyatom Hongkornjavit
Supervisor
วรณัฐวัฒน์ >204-a-4719

Approved by

Kanokorn Anek
Senior Manager
วรณัฐวัฒน์ >204-a-6111

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Analysis / Test Report

TESTING
No.0009

Client : Asia Industrial Estate Co., Ltd.
49 Soi Pipat (Silom 3) Asia Sermi Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500
P/O : เอเชียฯ
Project Name : Project AIE (Suwanaphumi)
Project Location :

Lot ID: 2339094
Date Received : Apr 19, 2023
Date Reported : Apr 26, 2023
Report Number : 2616067-1

Page 2 of 22

Sample Number : 2339094-2
Sampled Date : Apr 19, 2023 10:33 AM
Sample Description : น้ำเสียจากโรงงานฯ ที่เข้าห้องระเหยน้ำที่อาคารโรงงานฯ
Location : บริษัท ไทย ท็อปส์ (THAILAND) CO., LTD.
Date Analysis Commenced : Apr 20, 2023
Condition of Sample : Contained in three plastic bottles and one amber glass bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 degree C)	mg/L	-	2.0	66.3	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	136	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	8	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH at 25 degree C *	-	-	-	8.0	6.5-8.5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	420	≤1300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	31	≤200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of Asia Industrial Estate, Maximum levels for wastewater discharging to central wastewater treatment plant.

Sampling By : Thanwa Janya วรณัฐวัฒน์ >204-a-5414

Remark :
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Technical Management

Tanyatom Hongkornjavit
Supervisor
วรณัฐวัฒน์ >204-a-4719

Approved by

Kanokorn Anek
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Analysis / Test Report

TESTING
No.0009

Client : Asia Industrial Estate Co., Ltd.
49 Soi Pipat (Silom 3) Asia Sermi Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500
P/O : เอเชียฯ
Project Name : Project AIE (Suwanaphumi)
Project Location :

Lot ID: 2339094
Date Received : Apr 19, 2023
Date Reported : Apr 26, 2023
Report Number : 2616067-1

Page 3 of 22

Sample Number : 2339094-3
Sampled Date : Apr 19, 2023 11:21 AM
Sample Description : น้ำเสียจากโรงงานฯ ที่เข้าห้องระเหยน้ำที่อาคารโรงงานฯ
Location : บริษัท ไทย ไอเอสอี (THAILAND) CO., LTD.
Date Analysis Commenced : Apr 20, 2023
Condition of Sample : Contained in three plastic bottles and one amber glass bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 degree C)	mg/L	-	2.0	17.1	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	90	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	5	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH at 25 degree C *	-	-	-	7.8	6.5-8.5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	552	≤1300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	25	≤200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of Asia Industrial Estate, Maximum levels for wastewater discharging to central wastewater treatment plant.

Sampling By : Thanwa Janya วรณัฐวัฒน์ >204-a-5414

Remark :
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Technical Management

Tanyatom Hongkornjavit
Supervisor
วรณัฐวัฒน์ >204-a-4719

Approved by

Kanokorn Anek
Senior Manager
วรณัฐวัฒน์ >204-a-6111

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Analysis / Test Report

TESTING
No.0009

Client : Asia Industrial Estate Co., Ltd.
49 Soi Pipat (Silom 3) Asia Sermi Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500
P/O : เอเชียฯ
Project Name : Project AIE (Suwanaphumi)
Project Location :

Lot ID: 2339094
Date Received : Apr 19, 2023
Date Reported : Apr 26, 2023
Report Number : 2616067-1

Page 4 of 22

Sample Number : 2339094-4
Sampled Date : Apr 19, 2023 10:47 AM
Sample Description : น้ำเสียจากโรงงานฯ ที่เข้าห้องระเหยน้ำที่อาคารโรงงานฯ
Location : บริษัท ไทย เอ็มทีซี (THAILAND) CO., LTD.
Date Analysis Commenced : Apr 20, 2023
Condition of Sample : Contained in three plastic bottles and one amber glass bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 degree C)	mg/L	-	2.0	761	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	1299	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	4	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH at 25 degree C *	-	-	-	6.8	6.5-8.5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	356	≤1300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	11	≤200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of Asia Industrial Estate, Maximum levels for wastewater discharging to central wastewater treatment plant.

Sampling By : Thanwa Janya วรณัฐวัฒน์ >204-a-5414

Remark :
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Technical Management

Tanyatom Hongkornjavit
Supervisor
วรณัฐวัฒน์ >204-a-4719

Approved by

Kanokorn Anek
Senior Manager
วรณัฐวัฒน์ >204-a-6111

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Analysis / Test Report

TESTING
No.0009

Client : Asia Industrial Estate Co., Ltd.
49 Soi Pipat (Silom 3) Asia Sermi Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500

P/O : **ปิยะพงษ์**
Project Name : Project AIE (Suwanaphumi)
Project Location :

Lot ID: **2339094**
Date Received : Apr 19, 2023
Date Reported : Apr 26, 2023
Report Number : 2616067-1

Page 5 of 22

Sample Number : 2339094-5
Sample Date : Apr 19, 2023 10:07 AM
Sample Description : น้ำเสียจากโรงงานฯ ที่สถานีบำบัดน้ำเสียชุมชนบ้านดอนทอง
Location : บริเวณ บึงน้ำ (บริเวณหน้า) ฝั่ง
Date Analysis Commenced : Apr 20, 2023
Condition of Sample : Contained in three plastic bottles and one amber glass bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 degree C)	mg/L	-	2.0	11.1	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	63	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH at 25 degree C *	-	-	-	7.9	6.5-8.5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	640	≤1300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	<5	≤200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of Asia Industrial Estate, Maximum levels for wastewater discharging to central wastewater treatment plant.

Sampling By : Thawana Janya วรณัฐวัฒน์ >204-a-5414

Remark :
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Technical Management :
Tanyatom Hongkornjavit
Supervisor
วรณัฐวัฒน์ >204-a-4719

Approved by :
Kanokorn Anek
Senior Manager
วรณัฐวัฒน์ >204-a-6111

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Analysis / Test Report

TESTING
No.0009

Client : Asia Industrial Estate Co., Ltd.
49 Soi Pipat (Silom 3) Asia Sermi Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500

P/O : **ปิยะพงษ์**
Project Name : Project AIE (Suwanaphumi)
Project Location :

Lot ID: **2339094**
Date Received : Apr 19, 2023
Date Reported : Apr 26, 2023
Report Number : 2616067-1

Page 6 of 22

Sample Number : 2339094-6
Sample Date : Apr 19, 2023 10:28 AM
Sample Description : น้ำเสียจากโรงงานฯ ที่สถานีบำบัดน้ำเสียชุมชนบ้านดอนทอง
Location : บริเวณ บึงน้ำ (บริเวณหน้า) ฝั่ง
Date Analysis Commenced : Apr 20, 2023
Condition of Sample : Contained in three plastic bottles and one amber glass bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 degree C)	mg/L	-	2.0	4.2	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	32	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	4	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH at 25 degree C *	-	-	-	7.4	6.5-8.5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	984	≤1300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	10	≤200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of Asia Industrial Estate, Maximum levels for wastewater discharging to central wastewater treatment plant.

Sampling By : Thawana Janya วรณัฐวัฒน์ >204-a-5414

Remark :
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- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
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- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management :
Tanyatom Hongkornjavit
Supervisor
วรณัฐวัฒน์ >204-a-4719

Approved by :
Kanokorn Anek
Senior Manager
วรณัฐวัฒน์ >204-a-6111

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LS17-02 ENGL

S:\Report\AL_01_up (6.398)



Analysis / Test Report

TESTING
No.0009

Client : Asia Industrial Estate Co., Ltd.
49 Soi Pipat (Silom 3) Asia Sermi Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500
P/O : **ปิยะพันธ์**
Project Name : Project AIE (Suwanaphumi)
Project Location :

Lot ID: 2339094
Date Received : Apr 19, 2023
Date Reported : Apr 26, 2023
Report Number : 2616067-1

Page 9 of 22

Sample Number : 2339094-9
Sample Date : Apr 19, 2023 9:05 AM
Sample Description : น้ำเสียจากโรงงานฯ ที่สถานีบำบัดน้ำเสียชุมชนบางนา
Location : บริษัท เอเชีย อีเลคทรอนิกส์ จำกัด
Date Analysis Commenced : Apr 20, 2023
Condition of Sample : Contained in three plastic bottles and one amber glass bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 degree C)	mg/L	-	2.0	<2.0	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	26	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH at 25 degree C *	-	-	-	7.4	6.5-8.5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	464	≤1300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	<5	≤200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of Asia Industrial Estate, Maximum levels for wastewater discharging to central wastewater treatment plant.

Sampling By : Thanwa Janya วรณัฐวัฒน์ >204-a-5414

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

Tanyatom Hongkornjavit
Supervisor
โทรศัพท์ : 204-a-4719

Approved by

Kanokorn Anek
Senior Manager
โทรศัพท์ : 204-a-6111

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LS17-02/ENGL 50(Report)_AL_01_up1 (6/2020)



Analysis / Test Report

TESTING
No.0009

Client : Asia Industrial Estate Co., Ltd.
49 Soi Pipat (Silom 3) Asia Sermi Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500
P/O : **ปิยะพันธ์**
Project Name : Project AIE (Suwanaphumi)
Project Location :

Lot ID: 2339094
Date Received : Apr 19, 2023
Date Reported : Apr 26, 2023
Report Number : 2616067-1

Page 10 of 22

Sample Number : 2339094-10
Sample Date : Apr 19, 2023 11:04 AM
Sample Description : น้ำเสียจากโรงงานฯ ที่สถานีบำบัดน้ำเสียชุมชนบางนา
Location : บริษัท เอเชีย อีเลคทรอนิกส์ จำกัด
Date Analysis Commenced : Apr 20, 2023
Condition of Sample : Contained in three plastic bottles and one amber glass bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 degree C)	mg/L	-	2.0	14.0	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	95	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	5	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH at 25 degree C *	-	-	-	8.2	6.5-8.5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	1284	≤1300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	66	≤200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of Asia Industrial Estate, Maximum levels for wastewater discharging to central wastewater treatment plant.

Sampling By : Thanwa Janya วรณัฐวัฒน์ >204-a-5414

Remark :
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Technical Management

Tanyatom Hongkornjavit
Supervisor
โทรศัพท์ : 204-a-4719

Approved by

Kanokorn Anek
Senior Manager
โทรศัพท์ : 204-a-6111

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LS17-02/ENGL 50(Report)_AL_01_up1 (6/2020)



Analysis / Test Report

TESTING
No.0009

Client : Asia Industrial Estate Co., Ltd.
49 Soi Pipat (Silom 3) Asia Sermi Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500

P/O : เอเชียฟาร์ม
Project Name : Project AIE (Suwanaphumi)
Project Location :

Lot ID: 2339094
Date Received : Apr 19, 2023
Date Reported : Apr 26, 2023
Report Number : 2616067-1

Page 13 of 22

Sample Number : 2339094-13
Sampled Date : Apr 19, 2023 9:23 AM
Sample Description : น้ำเสียจากโรงงานฯ ที่สถานีบำบัดน้ำเสียของโรงงานฯ
Location : บริเวณ คลังน้ำ และถังเก็บน้ำ
Date Analysis Commenced : Apr 20, 2023
Condition of Sample : Contained in three plastic bottles and one amber glass bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOB)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 degree C)	mg/L	-	2.0	6.7	≤500	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	51	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	3	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH at 25 degree C *	-	-	-	7.9	6.5-8.5	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	932	≤1300	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	8	≤200	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of Asia Industrial Estate, Maximum levels for wastewater discharging to central wastewater treatment plant.

Sampling By : Thanwa Janya วรณัฐวัฒน์ >204-a-5414

Remark :
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Technical Management :
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Supervisor
โทรศัพท์ : >204-a-4719

Approved by :
Kanokorn Anek
Senior Manager
โทรศัพท์ : >204-a-6111

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LS17-02 ENGL 5/19/2021, AL_01, up 1 (6/20/21)



Analysis / Test Report

TESTING
No.0009

Client : Asia Industrial Estate Co., Ltd.
49 Soi Pipat (Silom 3) Asia Sermi Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500

P/O : เอเชียฟาร์ม
Project Name : Project AIE (Suwanaphumi)
Project Location :

Lot ID: 2339094
Date Received : Apr 19, 2023
Date Reported : Apr 26, 2023
Report Number : 2616067-1

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Sample Number : 2339094-14
Sampled Date : Apr 19, 2023 11:26 AM
Sample Description : น้ำเสียจากโรงงานฯ ที่สถานีบำบัดน้ำเสียของโรงงานฯ
Location : บริเวณ คลังน้ำ และถังเก็บน้ำ (บริเวณถัง) ชั้น 1
Date Analysis Commenced : Apr 20, 2023
Condition of Sample : Contained in three plastic bottles and one amber glass bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOB)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 degree C)	mg/L	-	2.0	43.2	≤500	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	180	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	8	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH at 25 degree C *	-	-	-	8.2	6.5-8.5	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	284	≤1300	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	116	≤200	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of Asia Industrial Estate, Maximum levels for wastewater discharging to central wastewater treatment plant.

Sampling By : Thanwa Janya วรณัฐวัฒน์ >204-a-5414

Remark :
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Technical Management :
Tanyatom Hongkijrajavit
Supervisor
โทรศัพท์ : >204-a-4719

Approved by :
Kanokorn Anek
Senior Manager
โทรศัพท์ : >204-a-6111

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LS17-02 ENGL 5/19/2021, AL_01, up 1 (6/20/21)



Analysis / Test Report

TESTING
No.0009

Client : Asia Industrial Estate Co., Ltd.
49 Soi Pipat (Silom 3) Asia Sermi Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500
P/O : เอเชียฯ
Project Name : Project AIE (Suwanaphumi)
Project Location :

Lot ID: 2339094
Date Received : Apr 19, 2023
Date Reported : Apr 26, 2023
Report Number : 2616067-1

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Sample Number : 2339094-18
Sampled Date : Apr 19, 2023 9:28 AM
Sample Description : น้ำเสียจากโรงงานฯ ที่สถานีบำบัดน้ำเสียชุมชนบ้านดอน
Location : บริเวณ สถานีบำบัดน้ำเสีย (บริเวณถนน) 4/กม
Date Analysis Commenced : Apr 20, 2023
Condition of Sample : Contained in three plastic bottles and one amber glass bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 degree C)	mg/L	-	2.0	<2.0	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	36	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH at 25 degree C *	-	-	-	8.7	6.5-8.5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	448	≤1300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	<5	≤200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of Asia Industrial Estate, Maximum levels for wastewater discharging to central wastewater treatment plant.

Sampling By : Thanwa Janya วรณัฐวัฒน์ >204-a-5414

Remark :
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Technical Management

Tanyatom Hongkornjavit
Supervisor
โทรศัพท์ : 204-a-4719

Approved by

Kanokorn Anek
Senior Manager
โทรศัพท์ : 204-a-6111

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Analysis / Test Report

TESTING
No.0009

Client : Asia Industrial Estate Co., Ltd.
49 Soi Pipat (Silom 3) Asia Sermi Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500
P/O : เอเชียฯ
Project Name : Project AIE (Suwanaphumi)
Project Location :

Lot ID: 2339094
Date Received : Apr 19, 2023
Date Reported : Apr 26, 2023
Report Number : 2616067-1

Page 18 of 22

Sample Number : 2339094-19
Sampled Date : Apr 19, 2023 10:22 AM
Sample Description : น้ำเสียจากโรงงานฯ ที่สถานีบำบัดน้ำเสียชุมชนบ้านดอน
Location : บริเวณ สถานีบำบัดน้ำเสีย (บริเวณถนน) 4/กม
Date Analysis Commenced : Apr 20, 2023
Condition of Sample : Contained in three plastic bottles and one amber glass bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 degree C)	mg/L	-	2.0	17.4	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	73	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	5	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH at 25 degree C *	-	-	-	7.6	6.5-8.5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	752	≤1300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	24	≤200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of Asia Industrial Estate, Maximum levels for wastewater discharging to central wastewater treatment plant.

Sampling By : Thanwa Janya วรณัฐวัฒน์ >204-a-5414

Remark :
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Technical Management

Tanyatom Hongkornjavit
Supervisor
โทรศัพท์ : 204-a-4719

Approved by

Kanokorn Anek
Senior Manager
โทรศัพท์ : 204-a-6111

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Analysis / Test Report



TESTING
No.0009

Client : Asia Industrial Estate Co., Ltd.
49 Soi Pipat (Silom 3) Asia Sermi Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500
P/O : เอเชียฯ
Project Name : Project AIE (Suwanaphumi)
Project Location :

Lot ID: 2339094
Date Received : Apr 19, 2023
Date Reported : Apr 26, 2023
Report Number : 2616067-1

Page 21 of 22

Sample Number : 2339094-22
Sampled Date : Apr 19, 2023 10:42 AM
Sample Description : น้ำเสียจากโรงงานฯ ที่สถานีบำบัดน้ำเสียของโรงงานฯ
Location : บริเวณ อาคาร (อาคารใหม่) ชั้น 8
Date Analysis Commenced : Apr 20, 2023
Condition of Sample : Contained in three plastic bottles and one amber glass bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 degree C)	mg/L	-	2.0	5.2	≤500	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	45	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	4	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH at 25 degree C *	-	-	-	8.2	6.5-8.5	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	340	≤1300	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	24	≤200	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of Asia Industrial Estate, Maximum levels for wastewater discharging to central wastewater treatment plant.

Sampling By : Thanwa Janya วรณัฐวัฒน์ >204-a-5414

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

Technical Management
Tanyatorn Hongkornjavit
Supervisor
วรณัฐวัฒน์ >204-a-4719

Approved by
Kankkorn Anek
Senior Manager
วรณัฐวัฒน์ >204-a-6111

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LS17-02 ENGL 5/19/2021, AL-OL-up (6/3/2021)



Analysis / Test Report



TESTING
No.0009

Client : Asia Industrial Estate Co., Ltd.
49 Soi Pipat (Silom 3) Asia Sermi Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500
P/O : เอเชียฯ
Project Name : Project AIE (Suwanaphumi)
Project Location :

Lot ID: 2339094
Date Received : Apr 19, 2023
Date Reported : Apr 26, 2023
Report Number : 2616067-1

Page 22 of 22

Sample Number : 2339094-23
Sampled Date : Apr 19, 2023 9:37 AM
Sample Description : น้ำเสียจากโรงงานฯ ที่สถานีบำบัดน้ำเสียของโรงงานฯ
Location : บริเวณ อาคาร (อาคารใหม่) ชั้น 8 (อาคาร) ชั้น 8
Date Analysis Commenced : Apr 20, 2023
Condition of Sample : Contained in three plastic bottles and one amber glass bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 degree C)	mg/L	-	2.0	68.7	≤500	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	150	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	8	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH at 25 degree C *	-	-	-	8.1	6.5-8.5	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	512	≤1300	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	49	≤200	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of Asia Industrial Estate, Maximum levels for wastewater discharging to central wastewater treatment plant.

Sampling By : Thanwa Janya วรณัฐวัฒน์ >204-a-5414

Remark :
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- "<" : 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
Tanyatorn Hongkornjavit
Supervisor
วรณัฐวัฒน์ >204-a-4719

Approved by
Kankkorn Anek
Senior Manager
วรณัฐวัฒน์ >204-a-6111

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LS17-02 ENGL 5/19/2021, AL-OL-up (6/3/2021)



Analysis / Test Report



TESTING
No.0009

Client : Asia Industrial Estate Co., Ltd.
49 Soi Pipat (Silom 3) Asia Sermi Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500
P/O : เอเชียฯ
Project Name : Project AIE (Suwanaphumi)
Project Location :

Lot ID: 2350393
Date Received : May 17, 2023
Date Reported : May 25, 2023
Report Number : 2641290-1

Page 1 of 22

Sample Number : 2350393-1
Sampled Date : May 17, 2023 11:37 AM
Sample Description : น้ำเสียจากโรงงานฯ ที่สถานีบำบัดน้ำเสียของโรงงานฯ
Location : IIDE/ELECTRONICS (THAILAND) CO., LTD.
Date Analysis Commenced : May 18, 2023
Condition of Sample : Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 degree C)	mg/L	-	2.0	146	≤500	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	262	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	8	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH at 25 degree C *	-	-	-	7.9	6.5-8.5	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	248	≤1300	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	60	≤200	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of Asia Industrial Estate, Maximum levels for wastewater discharging to central wastewater treatment plant.

Sampling By : Chuladatt Warin วรณัฐวัฒน์ >204-a-6120

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
Siriluk P.
Supervisor
วรณัฐวัฒน์ >204-a-4720

Approved by
Kankkorn Anek
Senior Manager
วรณัฐวัฒน์ >204-a-6111

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LS17-02 ENGL 5/19/2021, AL-OL-up (7/1/2021)



Analysis / Test Report



TESTING
No.0009

Client : Asia Industrial Estate Co., Ltd.
49 Soi Pipat (Silom 3) Asia Sermi Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500
P/O : เอเชียฯ
Project Name : Project AIE (Suwanaphumi)
Project Location :

Lot ID: 2350393
Date Received : May 17, 2023
Date Reported : May 25, 2023
Report Number : 2641290-1

Page 2 of 22

Sample Number : 2350393-2
Sampled Date : May 17, 2023 10:52 AM
Sample Description : น้ำเสียจากโรงงานฯ ที่สถานีบำบัดน้ำเสียของโรงงานฯ
Location : บริษัท ไทย TOPRE (THAILAND) CO., LTD.
Date Analysis Commenced : May 18, 2023
Condition of Sample : Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 degree C)	mg/L	-	2.0	12.7	≤500	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	69	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	4	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH at 25 degree C *	-	-	-	8.2	6.5-8.5	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	408	≤1300	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	5	≤200	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of Asia Industrial Estate, Maximum levels for wastewater discharging to central wastewater treatment plant.

Sampling By : Chuladatt Warin วรณัฐวัฒน์ >204-a-6120

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

Technical Management
Siriluk P.
Supervisor
วรณัฐวัฒน์ >204-a-4720

Approved by
Kankkorn Anek
Senior Manager
วรณัฐวัฒน์ >204-a-6111

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LS17-02 ENGL 5/19/2021, AL-OL-up (7/1/2021)



Analysis / Test Report

TESTING
No.0009

Client : Asia Industrial Estate Co., Ltd.
49 Soi Pipat (Silom 3) Asia Sermik Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500
P/O : **ปิยะพงษ์**
Project Name : Project AIE (Suwanaphumi)
Project Location :

Lot ID: 2350393
Date Received : May 17, 2023
Date Reported : May 25, 2023
Report Number : 2641290-1

Page 3 of 22

Sample Number : 2350393-3
Sampled Date : May 17, 2023 11:48 AM
Sample Description : น้ำเสียจากโรงงานฯ ที่สถานีบำบัดน้ำเสียชุมชนบางนา
Location : บริษัท เอเชีย เออี (ประเทศไทย) จำกัด ISEWAN (THAILAND) CO., LTD.
Date Analysis Commenced : May 18, 2023
Condition of Sample : Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 degree C)	mg/L	-	2.0	17.1	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	107	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	4	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH at 25 degree C *	-	-	-	7.8	6.5-8.5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	640	≤1300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	23	≤200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of Asia Industrial Estate, Maximum levels for wastewater discharging to central wastewater treatment plant.

Sampling By : Chuladek Warin วรณัฐวานิชย์ 204-6120

Remark :
- LOD : Limit of Detection
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Technical Management

Siriluk P.Siriluk Puangpang
Supervisor
วรณัฐวานิชย์ 204-6120

Approved by

Kankkorn A.Kankkorn Anek
Senior Manager
วรณัฐวานิชย์ 204-6111

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LS17-02 ENGL

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Analysis / Test Report

TESTING
No.0009

Client : Asia Industrial Estate Co., Ltd.
49 Soi Pipat (Silom 3) Asia Sermik Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500
P/O : **ปิยะพงษ์**
Project Name : Project AIE (Suwanaphumi)
Project Location :

Lot ID: 2350393
Date Received : May 17, 2023
Date Reported : May 25, 2023
Report Number : 2641290-1

Page 4 of 22

Sample Number : 2350393-4
Sampled Date : May 17, 2023 11:15 AM
Sample Description : น้ำเสียจากโรงงานฯ ที่สถานีบำบัดน้ำเสียชุมชนบางนา
Location : บริษัท ไทย เอเมค จำกัด THAI AMTEC CO., LTD.
Date Analysis Commenced : May 18, 2023
Condition of Sample : Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 degree C)	mg/L	-	2.0	387	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	679	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH at 25 degree C *	-	-	-	4.9	6.5-8.5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	364	≤1300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	12	≤200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of Asia Industrial Estate, Maximum levels for wastewater discharging to central wastewater treatment plant.

Sampling By : Chuladek Warin วรณัฐวานิชย์ 204-6120

Remark :
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Technical Management

Siriluk P.Siriluk Puangpang
Supervisor
วรณัฐวานิชย์ 204-6120

Approved by

Kankkorn A.Kankkorn Anek
Senior Manager
วรณัฐวานิชย์ 204-6111

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LS17-02 ENGL

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Analysis / Test Report

TESTING
No.0009

Client : Asia Industrial Estate Co., Ltd.
49 Soi Pipat (Silom 3) Asia Sermik Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500
P/O : เอเชียฟาร์ม
Project Name : Project AIE (Suwanaphumi)
Project Location :

Lot ID: 2350393
Date Received : May 17, 2023
Date Reported : May 25, 2023
Report Number : 2641290-1

Page 7 of 22

Sample Number : 2350393-7
Sampled Date : May 17, 2023 11:23 AM
Sample Description : น้ำเสียจากโรงงานฯ ที่สถานีบำบัดน้ำเสียอุตสาหกรรม
Location : บริเวณ โรงโม่ (โรงงานโม่) 4/16
Date Analysis Commenced : May 18, 2023
Condition of Sample : Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 degree C)	mg/L	-	2.0	76.6	≤500	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	142	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	9	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH at 25 degree C *	-	-	-	7.6	6.5-8.5	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	500	≤1300	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	20	≤200	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of Asia Industrial Estate, Maximum levels for wastewater discharging to central wastewater treatment plant.

Sampling By : Chuladek Warin วรณัฐวานิชย์ >204-a-6120

Remark :
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Technical Management

Siriluk P.

Siriluk Puangpang
Supervisor
วรณัฐวานิชย์ >204-a-4720

Approved by

Kankkorn A.

Kankkorn Anek
Senior Manager
วรณัฐวานิชย์ >204-a-6111

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LS17-02/ENGL 5/19/2023, AL_01.up (7.1.2023)



Analysis / Test Report

TESTING
No.0009

Client : Asia Industrial Estate Co., Ltd.
49 Soi Pipat (Silom 3) Asia Sermik Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500
P/O : เอเชียฟาร์ม
Project Name : Project AIE (Suwanaphumi)
Project Location :

Lot ID: 2350393
Date Received : May 17, 2023
Date Reported : May 25, 2023
Report Number : 2641290-1

Page 8 of 22

Sample Number : 2350393-8
Sampled Date : May 17, 2023 11:28 AM
Sample Description : น้ำเสียจากโรงงานฯ ที่สถานีบำบัดน้ำเสียอุตสาหกรรม
Location : บริเวณ โรงโม่ โม่ (โรงงานโม่) 4/16
Date Analysis Commenced : May 18, 2023
Condition of Sample : Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 degree C)	mg/L	-	2.0	129	≤500	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	340	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	9	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH at 25 degree C *	-	-	-	7.9	6.5-8.5	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	340	≤1300	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	347	≤200	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of Asia Industrial Estate, Maximum levels for wastewater discharging to central wastewater treatment plant.

Sampling By : Chuladek Warin วรณัฐวานิชย์ >204-a-6120

Remark :
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- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
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- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management

Siriluk P.

Siriluk Puangpang
Supervisor
วรณัฐวานิชย์ >204-a-4720

Approved by

Kankkorn A.

Kankkorn Anek
Senior Manager
วรณัฐวานิชย์ >204-a-6111

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LS17-02/ENGL 5/19/2023, AL_01.up (7.1.2023)



Analysis / Test Report

TESTING
No.0009

Client : Asia Industrial Estate Co., Ltd.
49 Soi Pipat (Silom 3) Asia Sermkij Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500
P/O : เอเชียฟาร์ม
Project Name : Project AIE (Suwanaphumi)
Project Location :

Lot ID: 2350393
Date Received : May 17, 2023
Date Reported : May 25, 2023
Report Number : 2641290-1

Page 11 of 22

Sample Number : 2350393-11
Sampled Date : May 17, 2023 11:19 AM
Sample Description : น้ำเสียจากโรงงานอาหารสัตว์ที่ท่าเรือวัดประดู่
Location : บริษัท เอเชียฟาร์ม (สุวานาภูมิ) จำกัด
Date Analysis Commenced : May 18, 2023
Condition of Sample : Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 degree C)	mg/L	-	2.0	130	≤500	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	236	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	9	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH at 25 degree C *	-	-	-	7.8	6.5-8.5	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	476	≤1300	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	23	≤200	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of Asia Industrial Estate, Maximum levels for wastewater discharging to central wastewater treatment plant.

Sampling By : Chuladee Warin วรณัฐวานิชย์ 204-6120

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

Siriluk P.
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Supervisor
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Approved by

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Analysis / Test Report

TESTING
No.0009

Client : Asia Industrial Estate Co., Ltd.
49 Soi Pipat (Silom 3) Asia Sermkij Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500
P/O : เอเชียฟาร์ม
Project Name : Project AIE (Suwanaphumi)
Project Location :

Lot ID: 2350393
Date Received : May 17, 2023
Date Reported : May 25, 2023
Report Number : 2641290-1

Page 12 of 22

Sample Number : 2350393-12
Sampled Date : May 17, 2023 9:35 AM
Sample Description : น้ำเสียจากโรงงานอาหารสัตว์ที่ท่าเรือวัดประดู่
Location : บริษัท เอเชียฟาร์ม (สุวานาภูมิ) จำกัด
Date Analysis Commenced : May 18, 2023
Condition of Sample : Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 degree C)	mg/L	-	2.0	90.2	≤500	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	161	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	7	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH at 25 degree C *	-	-	-	7.9	6.5-8.5	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	308	≤1300	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	50	≤200	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of Asia Industrial Estate, Maximum levels for wastewater discharging to central wastewater treatment plant.

Sampling By : Chuladee Warin วรณัฐวานิชย์ 204-6120

Remark :
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Technical Management

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Approved by

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Analysis / Test Report

TESTING
No.0009

Client : Asia Industrial Estate Co., Ltd.
49 Soi Pipat (Silom 3) Asia Sermkij Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500
P/O : เอเชียฟาร์ม
Project Name : Project AIE (Suwanaphumi)
Project Location :

Lot ID: 2350393
Date Received : May 17, 2023
Date Reported : May 25, 2023
Report Number : 2641290-1

Page 13 of 22

Sample Number : 2350393-13
Sampled Date : May 17, 2023 9:44 AM
Sample Description : น้ำเสียจากโรงงานอาหารสัตว์ที่ท่าเรือวัดประดู่
Location : บริษัท เอเชียฟาร์ม (สุวานาภูมิ) จำกัด
Date Analysis Commenced : May 18, 2023
Condition of Sample : Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 degree C)	mg/L	-	2.0	14.2	≤500	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	74	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	6	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH at 25 degree C *	-	-	-	7.7	6.5-8.5	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	652	≤1300	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	5	≤200	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of Asia Industrial Estate, Maximum levels for wastewater discharging to central wastewater treatment plant.

Sampling By : Chuladee Warin วรณัฐวานิชย์ 204-6120

Remark :
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Technical Management

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Approved by

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Analysis / Test Report

TESTING
No.0009

Client : Asia Industrial Estate Co., Ltd.
49 Soi Pipat (Silom 3) Asia Sermkij Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500
P/O : เอเชียฟาร์ม
Project Name : Project AIE (Suwanaphumi)
Project Location :

Lot ID: 2350393
Date Received : May 17, 2023
Date Reported : May 25, 2023
Report Number : 2641290-1

Page 14 of 22

Sample Number : 2350393-14
Sampled Date : May 17, 2023 11:53 AM
Sample Description : น้ำเสียจากโรงงานอาหารสัตว์ที่ท่าเรือวัดประดู่
Location : บริษัท เอเชียฟาร์ม (สุวานาภูมิ) จำกัด (บริเวณ) บึงวัด 1
Date Analysis Commenced : May 18, 2023
Condition of Sample : Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 degree C)	mg/L	-	2.0	9.3	≤500	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	58	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	4	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH at 25 degree C *	-	-	-	8.1	6.5-8.5	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	372	≤1300	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	20	≤200	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of Asia Industrial Estate, Maximum levels for wastewater discharging to central wastewater treatment plant.

Sampling By : Chuladee Warin วรณัฐวานิชย์ 204-6120

Remark :
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Technical Management

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Approved by

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Analysis / Test Report

TESTING
No.0009

Client : Asia Industrial Estate Co., Ltd.
49 Soi Pipat (Silom 3) Asia Sermi Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500
P/O : เอเชียฟาร์ม
Project Name : Project AIE (Suwanaphumi)
Project Location :

Lot ID: 2350393
Date Received : May 17, 2023
Date Reported : May 25, 2023
Report Number : 2641290-1

Page 15 of 22

Sample Number : 2350393-15
Sampled Date : May 17, 2023 10:16 AM
Sample Description : น้ำเสียจากโรงงานฯ ที่สถานีบำบัดน้ำเสียอุตสาหกรรม
Location : บริเวณ อีเอ็มเอส ฟาร์มเอเซีย (บริเวณฟาร์ม) ฝั่ง 2
Date Analysis Commenced : May 18, 2023
Condition of Sample : Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 degree C)	mg/L	-	2.0	96.7	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	246	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	10	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH at 25 degree C *	-	-	-	8.1	6.5-8.5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	352	≤1300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	99	≤200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of Asia Industrial Estate, Maximum levels for wastewater discharging to central wastewater treatment plant.

Sampling By : Chuladee Warin วรณัฐวานิชย์ >204-a-6120

Remark :
- LOD : Limit of Detection
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Technical Management

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Analysis / Test Report

TESTING
No.0009

Client : Asia Industrial Estate Co., Ltd.
49 Soi Pipat (Silom 3) Asia Sermi Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500
P/O : เอเชียฟาร์ม
Project Name : Project AIE (Suwanaphumi)
Project Location :

Lot ID: 2350393
Date Received : May 17, 2023
Date Reported : May 25, 2023
Report Number : 2641290-1

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Sample Number : 2350393-16
Sampled Date : May 17, 2023 10:05 AM
Sample Description : น้ำเสียจากโรงงานฯ ที่สถานีบำบัดน้ำเสียอุตสาหกรรม
Location : บริเวณ อีเอ็มเอส ฟาร์มเอเซีย (บริเวณฟาร์ม) ฝั่ง 7
Date Analysis Commenced : May 18, 2023
Condition of Sample : Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 degree C)	mg/L	-	2.0	14.4	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	73	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	5	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH at 25 degree C *	-	-	-	8.0	6.5-8.5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	304	≤1300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	23	≤200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of Asia Industrial Estate, Maximum levels for wastewater discharging to central wastewater treatment plant.

Sampling By : Chuladee Warin วรณัฐวานิชย์ >204-a-6120

Remark :
- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
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Technical Management

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Analysis / Test Report



TESTING
No.0009

Client : Asia Industrial Estate Co., Ltd.
49 Soi Pipat (Silom 3) Asia Sermi Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500
P/O : เอเชียฟาร์ม
Project Name : Project AIE (Suwanaphumi)
Project Location :

Lot ID: 2350393
Date Received : May 17, 2023
Date Reported : May 25, 2023
Report Number : 2641290-1

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Sample Number : 2350393-20
Sampled Date : May 17, 2023 9:40 AM
Sample Description : น้ำทิ้งจากโรงงานภายในพื้นที่อุตสาหกรรม
Location : บริเวณ อาคาร 1 (บริเวณห้อง) 4/10
Date Analysis Commenced : May 18, 2023
Condition of Sample : Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 degree C)	mg/L	-	2.0	5.3	≤500	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	49	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	4	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH at 25 degree C *	-	-	-	8.1	6.5-8.5	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	668	≤1300	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	29	≤200	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of Asia Industrial Estate, Maximum levels for wastewater discharging to central wastewater treatment plant.

Sampling By : Chulattat Warin วรณัฐวณิช 204-4-6120

Remark :
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- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
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- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management

Siriluk P.

Siriluk Puangpang
Supervisor
วรณัฐวณิช 204-4-4720

Approved by

Kankkorn Anek

Kankkorn Anek
Senior Manager
วรณัฐวณิช 204-4-6111

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Analysis / Test Report



TESTING
No.0009

Client : Asia Industrial Estate Co., Ltd.
49 Soi Pipat (Silom 3) Asia Sermi Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500
P/O : เอเชียฟาร์ม
Project Name : Project AIE (Suwanaphumi)
Project Location :

Lot ID: 2350393
Date Received : May 17, 2023
Date Reported : May 25, 2023
Report Number : 2641290-1

Page 20 of 22

Sample Number : 2350393-21
Sampled Date : May 17, 2023 11:41 AM
Sample Description : น้ำทิ้งจากโรงงานภายในพื้นที่อุตสาหกรรม
Location : บริเวณ อาคาร 1 (บริเวณห้อง) 4/10
Date Analysis Commenced : May 18, 2023
Condition of Sample : Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 degree C)	mg/L	-	2.0	97.1	≤500	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	211	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	6	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH at 25 degree C *	-	-	-	8.1	6.5-8.5	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	556	≤1300	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	78	≤200	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of Asia Industrial Estate, Maximum levels for wastewater discharging to central wastewater treatment plant.

Sampling By : Chulattat Warin วรณัฐวณิช 204-4-6120

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

Siriluk P.

Siriluk Puangpang
Supervisor
วรณัฐวณิช 204-4-4720

Approved by

Kankkorn Anek

Kankkorn Anek
Senior Manager
วรณัฐวณิช 204-4-6111

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LS17-02/ENGL

51/Report_AE_01.up (7.12/2016)



Analysis / Test Report



TESTING
No.0009

Client : Asia Industrial Estate Co., Ltd.
49 Soi Pipat (Silom 3) Asia Sermi Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500
P/O : เอเชียฟาร์ม
Project Name : Project AIE (Suwanaphumi)
Project Location :

Lot ID: 2350393
Date Received : May 17, 2023
Date Reported : May 25, 2023
Report Number : 2641290-1

Page 21 of 22

Sample Number : 2350393-22
Sampled Date : May 17, 2023 11:10 AM
Sample Description : น้ำทิ้งจากโรงงานภายในพื้นที่อุตสาหกรรม
Location : บริเวณ อาคาร 1 (บริเวณห้อง) 4/10
Date Analysis Commenced : May 18, 2023
Condition of Sample : Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 degree C)	mg/L	-	2.0	78.2	≤500	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	146	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	18	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH at 25 degree C *	-	-	-	8.0	6.5-8.5	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	280	≤1300	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	16	≤200	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of Asia Industrial Estate, Maximum levels for wastewater discharging to central wastewater treatment plant.

Sampling By : Chulattat Warin วรณัฐวณิช 204-4-6120

Remark :
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Technical Management

Siriluk P.

Siriluk Puangpang
Supervisor
วรณัฐวณิช 204-4-4720

Approved by

Kankkorn Anek

Kankkorn Anek
Senior Manager
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51/Report_AE_01.up (7.12/2016)



Analysis / Test Report



TESTING
No.0009

Client : Asia Industrial Estate Co., Ltd.
49 Soi Pipat (Silom 3) Asia Sermi Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500
P/O : เอเชียฟาร์ม
Project Name : Project AIE (Suwanaphumi)
Project Location :

Lot ID: 2350393
Date Received : May 17, 2023
Date Reported : May 25, 2023
Report Number : 2641290-1

Page 22 of 22

Sample Number : 2350393-23
Sampled Date : May 17, 2023 10:08 AM
Sample Description : น้ำทิ้งจากโรงงานภายในพื้นที่อุตสาหกรรม
Location : บริเวณ อาคาร 1 (บริเวณห้อง) 4/10 (บริเวณ) ห้อง 8
Date Analysis Commenced : May 18, 2023
Condition of Sample : Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 degree C)	mg/L	-	2.0	18.9	≤500	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O C	Bangkok
COD	mg/L	-	25	113	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	8	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH at 25 degree C *	-	-	-	8.4	6.5-8.5	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	468	≤1300	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	32	≤200	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of Asia Industrial Estate, Maximum levels for wastewater discharging to central wastewater treatment plant.

Sampling By : Chulattat Warin วรณัฐวณิช 204-4-6120

Remark :
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- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
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- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management

Siriluk P.

Siriluk Puangpang
Supervisor
วรณัฐวณิช 204-4-4720

Approved by

Kankkorn Anek

Kankkorn Anek
Senior Manager
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Analysis / Test Report



TESTING
No.0009

Client : Asia Industrial Estate Co., Ltd.
49 Soi Pipat (Silom 3) Asia Sermik Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500
P/O : **ปิยะพงษ์**
Project Name : Project AIE (Suwanaphumi)
Project Location :

Lot ID: **2365032**
Date Received : Jun 14, 2023
Date Reported : Jun 21, 2023
Report Number : 2673741-1

Page 1 of 12

Sample Number : 2365032-2
Sampled Date : Jun 14, 2023 11:15 AM
Sample Description : น้ำเสียจากโรงงานฯ ที่สถานีบำบัดน้ำเสียรวมบ้านท่าเสา
Location : บริษัท ไทยทรี TOPRE (THAILAND) CO., LTD.
Date Analysis Commenced : Jun 15, 2023
Condition of Sample :

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 degree C)	mg/L	—	2.0	16.5	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Bangkok
COD	mg/L	—	25	79	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	—	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *	—	—	—	7.6	6.5-8.5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Total Dissolved Solids Dried at 180 degree C	mg/L	—	5	1056	≤1300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	—	5	7	≤200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of Asia Industrial Estate, Maximum levels for wastewater discharging to central wastewater treatment plant.

Sampling By : Chuladek Warin วรณัฐศาสตร์ 204-6-6120

Remark :
* LOD : Limit of Detection
* "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
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* The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management

Siriluk P.
Siriluk Puangpang
Section Head
วรณัฐศาสตร์ 204-6-4720

Approved by

Kankkorn A.
Kankkorn Anek
Senior Manager
วรณัฐศาสตร์ 204-6-6111

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Analysis / Test Report



TESTING
No.0009

Client : Asia Industrial Estate Co., Ltd.
49 Soi Pipat (Silom 3) Asia Sermik Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500
P/O : **ปิยะพงษ์**
Project Name : Project AIE (Suwanaphumi)
Project Location :

Lot ID: **2365032**
Date Received : Jun 14, 2023
Date Reported : Jun 21, 2023
Report Number : 2673741-1

Page 2 of 12

Sample Number : 2365032-5
Sampled Date : Jun 14, 2023 10:42 AM
Sample Description : น้ำเสียจากโรงงานฯ ที่สถานีบำบัดน้ำเสียรวมบ้านท่าเสา
Location : บริษัท ไทยทรี TOPRE (THAILAND) CO., LTD.
Date Analysis Commenced : Jun 15, 2023
Condition of Sample :

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 degree C)	mg/L	—	2.0	2.6	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Bangkok
COD	mg/L	—	25	32	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	—	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *	—	—	—	7.3	6.5-8.5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Total Dissolved Solids Dried at 180 degree C	mg/L	—	5	488	≤1300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	—	5	<5	≤200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of Asia Industrial Estate, Maximum levels for wastewater discharging to central wastewater treatment plant.

Sampling By : Chuladek Warin วรณัฐศาสตร์ 204-6-6120

Remark :
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* "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
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* The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management

Siriluk P.
Siriluk Puangpang
Section Head
วรณัฐศาสตร์ 204-6-4720

Approved by

Kankkorn A.
Kankkorn Anek
Senior Manager
วรณัฐศาสตร์ 204-6-6111

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Analysis / Test Report



TESTING
No.0009

Client : Asia Industrial Estate Co., Ltd.
49 Soi Pipat (Silom 3) Asia Sermik Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500
P/O : **ปิยะพงษ์**
Project Name : Project AIE (Suanaphum)
Project Location :

Lot ID: **2365032**
Date Received : Jun 14, 2023
Date Reported : Jun 21, 2023
Report Number : 2673741-1

Page 5 of 12

Sample Number : 2365032-12
Sampled Date : Jun 14, 2023 9:27 AM
Sample Description : น้ำเสียจากโรงงานฯ ที่สถานีบำบัดน้ำเสียชุมชนบางนา
Location : **บริษัท อีเอส เอเซีย (ประเทศไทย) จำกัด**
Date Analysis Commenced : Jun 15, 2023
Condition of Sample :

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 degree C)	mg/L	—	2.0	58.8	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Bangkok
COD	mg/L	—	25	130	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	—	3	4	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *	—	—	—	7.8	6.5-8.5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Total Dissolved Solids Dried at 180 degree C	mg/L	—	5	276	≤1300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	—	5	23	≤200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of Asia Industrial Estate, Maximum levels for wastewater discharging to central wastewater treatment plant.

Sampling By : Chuladek Warin วรณิศาธรณ์ 204-6120

Remark :
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Technical Management

Siriluk P.
Siriluk Puangpang
Section Head
วรณิศาธรณ์ 204-6120

Approved by

Kankkorn A.
Kankkorn Anek
Senior Manager
วรณิศาธรณ์ 204-6111

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51(Report)_AL_01.up (74899)



Analysis / Test Report



TESTING
No.0009

Client : Asia Industrial Estate Co., Ltd.
49 Soi Pipat (Silom 3) Asia Sermik Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500
P/O : **ปิยะพงษ์**
Project Name : Project AIE (Suanaphum)
Project Location :

Lot ID: **2365032**
Date Received : Jun 14, 2023
Date Reported : Jun 21, 2023
Report Number : 2673741-1

Page 6 of 12

Sample Number : 2365032-13
Sampled Date : Jun 14, 2023 9:39 AM
Sample Description : น้ำเสียจากโรงงานฯ ที่สถานีบำบัดน้ำเสียชุมชนบางนา
Location : **บริษัท อีเอส เอเซีย (ประเทศไทย) จำกัด**
Date Analysis Commenced : Jun 15, 2023
Condition of Sample :

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 degree C)	mg/L	—	2.0	16.5	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Bangkok
COD	mg/L	—	25	76	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	—	3	7	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *	—	—	—	7.1	6.5-8.5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Total Dissolved Solids Dried at 180 degree C	mg/L	—	5	704	≤1300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	—	5	8	≤200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of Asia Industrial Estate, Maximum levels for wastewater discharging to central wastewater treatment plant.

Sampling By : Chuladek Warin วรณิศาธรณ์ 204-6120

Remark :
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* <"< : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
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* The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management

Siriluk P.
Siriluk Puangpang
Section Head
วรณิศาธรณ์ 204-6120

Approved by

Kankkorn A.
Kankkorn Anek
Senior Manager
วรณิศาธรณ์ 204-6111

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Analysis / Test Report



TESTING
No.0009

Client : Asia Industrial Estate Co., Ltd.
49 Soi Pipat (Silom 3) Asia Sermkij Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500
P/O : **ปิยะพงษ์**
Project Name : Project AIE (Suanaphum)
Project Location :

Lot ID: **2365032**
Date Received : Jun 14, 2023
Date Reported : Jun 21, 2023
Report Number : 2673741-1

Page 9 of 12

Sample Number : 2365032-18
Sample Date : Jun 14, 2023 1:00 PM
Sample Description : น้ำเสียจากโรงงานฯ ที่สถานีบำบัดและระบบบำบัดน้ำเสีย
Location : บริเวณ บำบัดและระบบบำบัด (บริเวณหน้า) ฝั่ง
Date Analysis Commenced : Jun 15, 2023
Condition of Sample :

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 degree C)	mg/L	—	2.0	<2.0	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Bangkok
COD	mg/L	—	25	35	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	—	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *	—	—	—	7.4	6.5-8.5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Total Dissolved Solids Dried at 180 degree C	mg/L	—	5	608	≤1300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	—	5	<5	≤200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of Asia Industrial Estate, Maximum levels for wastewater discharging to central wastewater treatment plant.

Sampling By : Chuladek Warin วรณัฐวณิช 204-4-6120

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

Siriluk P.
Siriluk Puangpang
Section Head
วณิณัฐวณิช 204-4-4720

Approved by

Kankkorn A.
Kankkorn Anek
Senior Manager
วณิณัฐวณิช 204-4-6111

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LS27-K2-DNA

LS27-K2-DNA (74899)



Analysis / Test Report



TESTING
No.0009

Client : Asia Industrial Estate Co., Ltd.
49 Soi Pipat (Silom 3) Asia Sermkij Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500
P/O : **ปิยะพงษ์**
Project Name : Project AIE (Suanaphum)
Project Location :

Lot ID: **2365032**
Date Received : Jun 14, 2023
Date Reported : Jun 21, 2023
Report Number : 2673741-1

Page 10 of 12

Sample Number : 2365032-19
Sample Date : Jun 14, 2023 10:55 AM
Sample Description : น้ำเสียจากโรงงานฯ ที่สถานีบำบัดและระบบบำบัดน้ำเสีย
Location : บริเวณ บำบัดและระบบบำบัด (บริเวณหน้า) ฝั่ง
Date Analysis Commenced : Jun 15, 2023
Condition of Sample :

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 degree C)	mg/L	—	2.0	3.2	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Bangkok
COD	mg/L	—	25	36	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	—	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *	—	—	—	7.0	6.5-8.5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Total Dissolved Solids Dried at 180 degree C	mg/L	—	5	776	≤1300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	—	5	<5	≤200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of Asia Industrial Estate, Maximum levels for wastewater discharging to central wastewater treatment plant.

Sampling By : Chuladek Warin วรณัฐวณิช 204-4-6120

Remark :
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Technical Management

Siriluk P.
Siriluk Puangpang
Section Head
วณิณัฐวณิช 204-4-4720

Approved by

Kankkorn A.
Kankkorn Anek
Senior Manager
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LS27-K2-DNA

LS27-K2-DNA (74899)



Analysis / Test Report



TESTING
No.0009

Client : Asia Industrial Estate Co., Ltd.
49 Soi Pipat (Silom 3) Asia Sermkij Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500
P/O : **ปิยะพงษ์**
Project Name : Project AIE (Suanaphum)
Project Location :

Lot ID: **2365032**
Date Received : Jun 14, 2023
Date Reported : Jun 21, 2023
Report Number : 2673741-1

Page 11 of 12

Sample Number : 2365032-20
Sample Date : Jun 14, 2023 9:34 AM
Sample Description : น้ำเสียจากโรงงานฯ ที่สถานีบำบัดและระบบบำบัดน้ำเสีย
Location : บริเวณ บำบัดและระบบบำบัด (บริเวณหน้า) ฝั่ง
Date Analysis Commenced : Jun 15, 2023
Condition of Sample :

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 degree C)	mg/L	—	2.0	46.2	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Bangkok
COD	mg/L	—	25	189	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	—	3	10	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *	—	—	—	7.1	6.5-8.5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Total Dissolved Solids Dried at 180 degree C	mg/L	—	5	428	≤1300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	—	5	60	≤200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of Asia Industrial Estate, Maximum levels for wastewater discharging to central wastewater treatment plant.

Sampling By : Chuladek Warin วรณัฐวณิช 204-4-6120

Remark :
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Technical Management

Siriluk P.
Siriluk Puangpang
Section Head
วณิณัฐวณิช 204-4-4720

Approved by

Kankkorn A.
Kankkorn Anek
Senior Manager
วณิณัฐวณิช 204-4-6111

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LS27-K2-DNA (74899)



Analysis / Test Report



TESTING
No.0009

Client : Asia Industrial Estate Co., Ltd.
49 Soi Pipat (Silom 3) Asia Sermkij Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500
P/O : **ปิยะพงษ์**
Project Name : Project AIE (Suanaphum)
Project Location :

Lot ID: **2365032**
Date Received : Jun 14, 2023
Date Reported : Jun 21, 2023
Report Number : 2673741-1

Page 12 of 12

Sample Number : 2365032-23
Sample Date : Jun 14, 2023 10:04 AM
Sample Description : น้ำเสียจากโรงงานฯ ที่สถานีบำบัดและระบบบำบัดน้ำเสีย
Location : บริเวณ บำบัดและระบบบำบัด (บริเวณหน้า) ฝั่ง (บริเวณ) ฝั่ง 8
Date Analysis Commenced : Jun 15, 2023
Condition of Sample :

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 degree C)	mg/L	—	2.0	49.8	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Bangkok
COD	mg/L	—	25	121	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	—	3	9	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *	—	—	—	7.7	6.5-8.5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Total Dissolved Solids Dried at 180 degree C	mg/L	—	5	380	≤1300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	—	5	25	≤200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of Asia Industrial Estate, Maximum levels for wastewater discharging to central wastewater treatment plant.

Sampling By : Chuladek Warin วรณัฐวณิช 204-4-6120

Remark :
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Technical Management

Siriluk P.
Siriluk Puangpang
Section Head
วณิณัฐวณิช 204-4-4720

Approved by

Kankkorn A.
Kankkorn Anek
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วณิณัฐวณิช 204-4-6111

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Analysis / Test Report



TESTING
No.0009

Client : Asia Industrial Estate Co., Ltd.
49 Soi Pipat (Silom 3) Asia Sermik Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500
P/O : **ปิยะพันธ์**
Project Name : Project AIE (Suwanaphumi)
Project Location :

Lot ID: **2369481**
Date Received : Jun 16, 2023
Date Reported : Jul 05, 2023
Report Number : 2685521-1

Page 1 of 11

Sample Number : 2369481-1
Sampled Date : Jun 16, 2023 9:38 AM
Sample Description : น้ำเสียจากโรงงานฯ ที่สถานีบำบัดน้ำเสียอุตสาหกรรม
Location : IIDELECTRONICS (THAILAND) CO., LTD.
Date Analysis Commenced : Jun 16, 2023
Condition of Sample : Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 degree C)	mg/L	-	2.0	158	≤500	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Bangkok
COD	mg/L	-	25	281	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	9	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *	-	-	-	7.1	6.5-8.5	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	360	≤1300	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	61	≤200	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of Asia Industrial Estate, Maximum levels for wastewater discharging to central wastewater treatment plant.

Sampling By : Chuladet Warin วัฒณธนาธรย์ 204-6120

Remark :
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- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
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- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management

Suwimon C.
Suwimon Chaisangyut
Scientist (3)
วัฒณธนาธรย์ 204-61417

Approved by

Kankkorn Anek
Kankkorn Anek
Senior Manager
วัฒณธนาธรย์ 204-61111

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LS27(Rev01)_AL_01-up (18/12/2016)



Analysis / Test Report



TESTING
No.0009

Client : Asia Industrial Estate Co., Ltd.
49 Soi Pipat (Silom 3) Asia Sermik Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500
P/O : **ปิยะพันธ์**
Project Name : Project AIE (Suwanaphumi)
Project Location :

Lot ID: **2369481**
Date Received : Jun 16, 2023
Date Reported : Jul 05, 2023
Report Number : 2685521-1

Page 2 of 11

Sample Number : 2369481-2
Sampled Date : Jun 16, 2023 10:00 AM
Sample Description : น้ำเสียจากโรงงานฯ ที่สถานีบำบัดน้ำเสียอุตสาหกรรม
Location : บริษัท ไออีอี (ประเทศไทย) จำกัด ISEWAN (THAILAND) CO., LTD.
Date Analysis Commenced : Jun 16, 2023
Condition of Sample : Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 degree C)	mg/L	-	2.0	65.1	≤500	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Bangkok
COD	mg/L	-	25	165	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	5	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *	-	-	-	7.4	6.5-8.5	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	752	≤1300	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	87	≤200	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of Asia Industrial Estate, Maximum levels for wastewater discharging to central wastewater treatment plant.

Sampling By : Chuladet Warin วัฒณธนาธรย์ 204-6120

Remark :
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Technical Management

Suwimon C.
Suwimon Chaisangyut
Scientist (3)
วัฒณธนาธรย์ 204-61417

Approved by

Kankkorn Anek
Kankkorn Anek
Senior Manager
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LS27(Rev01)_AL_01-up (18/12/2016)



Analysis / Test Report



TESTING
No.0009

Client : Asia Industrial Estate Co., Ltd.
49 Soi Pipat (Silom 3) Asia Sermik Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500
P/O : **ปิยะพันธ์**
Project Name : Project AIE (Suwanaphumi)
Project Location :

Lot ID: **2369481**
Date Received : Jun 16, 2023
Date Reported : Jul 05, 2023
Report Number : 2685521-1

Page 3 of 11

Sample Number : 2369481-3
Sampled Date : Jun 16, 2023 8:58 AM
Sample Description : น้ำเสียจากโรงงานฯ ที่สถานีบำบัดน้ำเสียอุตสาหกรรม
Location : บริษัท ไทยอิมทีซี จำกัด THAI AMTEC CO., LTD.
Date Analysis Commenced : Jun 16, 2023
Condition of Sample : Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 degree C)	mg/L	-	2.0	17.5	≤500	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Bangkok
COD	mg/L	-	25	99	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	3	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *	-	-	-	6.4	6.5-8.5	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	968	≤1300	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	11	≤200	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of Asia Industrial Estate, Maximum levels for wastewater discharging to central wastewater treatment plant.

Sampling By : Chuladet Warin วัฒณธนาธรย์ 204-6120

Remark :
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- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
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Technical Management

Suwimon C.
Suwimon Chaisangyut
Scientist (3)
วัฒณธนาธรย์ 204-61417

Approved by

Kankkorn Anek
Kankkorn Anek
Senior Manager
วัฒณธนาธรย์ 204-61111

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LS27(Rev01)_AL_01-up (18/12/2016)



Analysis / Test Report



TESTING
No.0009

Client : Asia Industrial Estate Co., Ltd.
49 Soi Pipat (Silom 3) Asia Sermik Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500
P/O : **ปิยะพันธ์**
Project Name : Project AIE (Suwanaphumi)
Project Location :

Lot ID: **2369481**
Date Received : Jun 16, 2023
Date Reported : Jul 05, 2023
Report Number : 2685521-1

Page 4 of 11

Sample Number : 2369481-4
Sampled Date : Jun 16, 2023 9:20 AM
Sample Description : น้ำเสียจากโรงงานฯ ที่สถานีบำบัดน้ำเสียอุตสาหกรรม
Location : บริษัท ไออีอี (ประเทศไทย) จำกัด
Date Analysis Commenced : Jun 16, 2023
Condition of Sample : Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 degree C)	mg/L	-	2.0	19.0	≤500	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Bangkok
COD	mg/L	-	25	101	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	5	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *	-	-	-	7.7	6.5-8.5	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	528	≤1300	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	22	≤200	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of Asia Industrial Estate, Maximum levels for wastewater discharging to central wastewater treatment plant.

Sampling By : Chuladet Warin วัฒณธนาธรย์ 204-6120

Remark :
- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
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Technical Management

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LS27-02/ENGL

LS27(Rev01)_AL_01-up (18/12/2016)



Analysis / Test Report

TESTING
No.0009

Client : Asia Industrial Estate Co., Ltd.
49 Soi Pipat (Silom 3) Asia Sermkij Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500
P/O : **ปิยะพงษ์**
Project Name : Project AIE (Suwanaphumi)
Project Location :

Lot ID: **2369481**
Date Received : Jun 16, 2023
Date Reported : Jul 05, 2023
Report Number : 2685521-1

Page 5 of 11

Sample Number : 2369481-5
Sampled Date : Jun 16, 2023 9:28 AM
Sample Description : น้ำเสียจากโรงงานฯ ที่สถานีบำบัดน้ำเสียอุตสาหกรรม
Location : บริเวณ อาคาร 106 (โรงงาน) จ.บุรีรัมย์
Date Analysis Commenced : Jun 16, 2023
Condition of Sample : Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 degree C)	mg/L	-	2.0	54.6	≤500	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Bangkok
COD	mg/L	-	25	185	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	8	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *	-	-	-	7.6	6.5-8.5	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	596	≤1300	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	124	≤200	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of Asia Industrial Estate, Maximum levels for wastewater discharging to central wastewater treatment plant.

Sampling By : Chuladit Warin วรณัฐวณิช 204-6120

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Technical Management

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Scientist (3)
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Approved by

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5/16/2023, 14:38:41 (1/1/2023)



Analysis / Test Report

TESTING
No.0009

Client : Asia Industrial Estate Co., Ltd.
49 Soi Pipat (Silom 3) Asia Sermkij Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500
P/O : **ปิยะพงษ์**
Project Name : Project AIE (Suwanaphumi)
Project Location :

Lot ID: **2369481**
Date Received : Jun 16, 2023
Date Reported : Jul 05, 2023
Report Number : 2685521-1

Page 6 of 11

Sample Number : 2369481-6
Sampled Date : Jun 16, 2023 9:32 AM
Sample Description : น้ำเสียจากโรงงานฯ ที่สถานีบำบัดน้ำเสียอุตสาหกรรม
Location : บริเวณ อาคาร 106 (โรงงาน) จ.บุรีรัมย์
Date Analysis Commenced : Jun 16, 2023
Condition of Sample : Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 degree C)	mg/L	-	2.0	3.2	≤500	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Bangkok
COD	mg/L	-	25	28	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *	-	-	-	7.2	6.5-8.5	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	240	≤1300	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	<5	≤200	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of Asia Industrial Estate, Maximum levels for wastewater discharging to central wastewater treatment plant.

Sampling By : Chuladit Warin วรณัฐวณิช 204-6120

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Technical Management

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Approved by

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Analysis / Test Report

TESTING
No.0009

Client : Asia Industrial Estate Co., Ltd.
49 Soi Pipat (Silom 3) Asia Sermkij Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500
P/O : **ปิยะพงษ์**
Project Name : Project AIE (Suwanaphumi)
Project Location :

Lot ID: **2369481**
Date Received : Jun 16, 2023
Date Reported : Jul 05, 2023
Report Number : 2685521-1

Page 7 of 11

Sample Number : 2369481-7
Sampled Date : Jun 16, 2023 9:15 AM
Sample Description : น้ำเสียจากโรงงานฯ ที่สถานีบำบัดน้ำเสียอุตสาหกรรม
Location : บริเวณ อาคาร 106 (โรงงาน) จ.บุรีรัมย์
Date Analysis Commenced : Jun 16, 2023
Condition of Sample : Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 degree C)	mg/L	-	2.0	89.3	≤500	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Bangkok
COD	mg/L	-	25	192	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	9	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *	-	-	-	7.4	6.5-8.5	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	428	≤1300	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	24	≤200	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of Asia Industrial Estate, Maximum levels for wastewater discharging to central wastewater treatment plant.

Sampling By : Chuladit Warin วรณัฐวณิช 204-6120

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Technical Management

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Approved by

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Kankkorn Anek
Senior Manager
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Analysis / Test Report

TESTING
No.0009

Client : Asia Industrial Estate Co., Ltd.
49 Soi Pipat (Silom 3) Asia Sermkij Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500
P/O : **ปิยะพงษ์**
Project Name : Project AIE (Suwanaphumi)
Project Location :

Lot ID: **2369481**
Date Received : Jun 16, 2023
Date Reported : Jul 05, 2023
Report Number : 2685521-1

Page 8 of 11

Sample Number : 2369481-8
Sampled Date : Jun 16, 2023 10:07 AM
Sample Description : น้ำเสียจากโรงงานฯ ที่สถานีบำบัดน้ำเสียอุตสาหกรรม
Location : บริเวณ อาคาร 106 (โรงงาน) จ.บุรีรัมย์ (บริเวณ) อาคาร 106
Date Analysis Commenced : Jun 16, 2023
Condition of Sample : Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 degree C)	mg/L	-	2.0	82.5	≤500	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Bangkok
COD	mg/L	-	25	219	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	7	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *	-	-	-	7.8	6.5-8.5	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	452	≤1300	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	47	≤200	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of Asia Industrial Estate, Maximum levels for wastewater discharging to central wastewater treatment plant.

Sampling By : Chuladit Warin วรณัฐวณิช 204-6120

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Technical Management

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Approved by

Kankkorn Anek
Kankkorn Anek
Senior Manager
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Analysis / Test Report



TESTING
No.0009

Client : Asia Industrial Estate Co., Ltd.
49 Soi Pipat (Silom 3) Asia Sermkij Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500
P/O : **ปิยะพงษ์**
Project Name : Project AIE (Sunanaphum)
Project Location :

Lot ID: **2369481**
Date Received : Jun 16, 2023
Date Reported : Jul 05, 2023
Report Number : 2685521-1

Page 9 of 11

Sample Number : 2369481-9
Sampled Date : Jun 16, 2023 8:37 AM
Sample Description : น้ำเสียจากโรงงานฯ ที่สถานีบำบัดน้ำเสียชุมชนบางนา
Location : บริเวณ บึง เจริญนคร จันทบุรี
Date Analysis Commenced : Jun 16, 2023
Condition of Sample : Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 degree C)	mg/L	-	2.0	76.3	≤500	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Bangkok
COD	mg/L	-	25	247	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	10	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *	-	-	-	8.2	6.5-8.5	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	496	≤1300	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	214	≤200	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of Asia Industrial Estate, Maximum levels for wastewater discharging to central wastewater treatment plant.

Sampling By : Chuladet Warin วรณัฐวณิช 204-4-6120

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Technical Management

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Approved by

Kanokorn Anek

Kanokorn Anek
Senior Manager
วรณัฐวณิช 204-4-6111

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Analysis / Test Report



TESTING
No.0009

Client : Asia Industrial Estate Co., Ltd.
49 Soi Pipat (Silom 3) Asia Sermkij Tower, 7th Floor, Silom Road, Bang Rak, Bangkok
Thailand 10500
P/O : **ปิยะพงษ์**
Project Name : Project AIE (Sunanaphum)
Project Location :

Lot ID: **2369481**
Date Received : Jun 16, 2023
Date Reported : Jul 05, 2023
Report Number : 2685521-1

Page 10 of 11

Sample Number : 2369481-10
Sampled Date : Jun 16, 2023 9:45 AM
Sample Description : น้ำเสียจากโรงงานฯ ที่สถานีบำบัดน้ำเสียชุมชนบางนา
Location : บริเวณ บึง เจริญนคร จันทบุรี
Date Analysis Commenced : Jun 16, 2023
Condition of Sample : Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 degree C)	mg/L	-	2.0	53.4	≤500	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Bangkok
COD	mg/L	-	25	137	≤750	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Bangkok
Oil & Grease *	mg/L	-	3	3	≤10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Bangkok
pH (on site) *	-	-	-	7.6	6.5-8.5	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Bangkok
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	1000	≤1300	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Bangkok
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	45	≤200	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Bangkok

Guideline : Standard of Asia Industrial Estate, Maximum levels for wastewater discharging to central wastewater treatment plant.

Sampling By : Chuladet Warin วรณัฐวณิช 204-4-6120

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Technical Management

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Approved by

Kanokorn Anek

Kanokorn Anek
Senior Manager
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