

## ภาคผนวก ค

ใบรับรองผลการตรวจวิเคราะห์

# ภาคผนวก ค-01

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คุณภาพอากาศในบรรยากาศโดยทั่วไป



## Analysis / Test Report

**Client :** Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140  
**P/O :** RJN(2)-004/066  
**Project Name :** Pluak Daeng  
**Project Location :**

**Lot ID: 23115906**

Date Received : Nov 03, 2023  
Date Reported : Nov 08, 2023  
Report Number: 2795322-1

Page 1 of 1

<b>Sample Description</b>	Air Quality						
<b>Location</b>	วัดมาบยางพร (A1) (GPS 47P 0732270, 1436522)						
<b>Parameter</b>	Nitrogen dioxide (ppm)						
<b>Measurement Date</b>	Oct 27, 2023 - Nov 03, 2023						
<b>Measurement by</b>	Saknarin Jaraskay						
	23115906-1	23115906-2	23115906-3	23115906-4	23115906-5	23115906-6	23115906-7
Time	Oct 27, 2023	Oct 28, 2023	Oct 29, 2023	Oct 30, 2023	Oct 31, 2023	Nov 01, 2023	Nov 02, 2023
01:00 PM - 02:00 PM	0.006	0.004	0.006	0.005	0.006	0.004	0.010
02:00 PM - 03:00 PM	0.009	0.005	0.004	0.006	0.005	0.006	0.007
03:00 PM - 04:00 PM	0.012	0.005	0.005	0.009	0.006	0.005	0.010
04:00 PM - 05:00 PM	0.005	0.005	0.009	0.009	0.006	0.011	0.007
05:00 PM - 06:00 PM	0.004	0.007	0.010	0.012	0.005	0.009	0.005
06:00 PM - 07:00 PM	0.004	0.006	0.010	0.012	0.008	0.011	0.010
07:00 PM - 08:00 PM	0.016	0.012	0.012	0.012	0.014	0.016	0.005
08:00 PM - 09:00 PM	0.013	0.014	0.009	0.013	0.024	0.017	0.007
09:00 PM - 10:00 PM	0.012	0.012	0.015	0.013	0.025	0.019	0.006
10:00 PM - 11:00 PM	0.011	0.011	0.015	0.010	0.017	0.022	0.006
11:00 PM - 12:00 AM	0.010	0.004	0.014	0.011	0.012	0.010	0.006
12:00 AM - 01:00 AM	0.009	0.004	0.010	0.013	0.008	0.008	0.004
01:00 AM - 02:00 AM	0.008	0.005	0.008	0.007	0.007	0.007	0.006
02:00 AM - 03:00 AM	0.008	0.005	0.007	0.004	0.007	0.007	0.004
03:00 AM - 04:00 AM	0.007	0.004	0.005	0.004	0.008	0.007	0.008
04:00 AM - 05:00 AM	0.006	0.005	0.006	0.005	0.007	0.005	0.006
05:00 AM - 06:00 AM	0.006	0.005	0.005	0.005	0.006	0.005	0.003
06:00 AM - 07:00 AM	0.005	0.009	0.004	0.005	0.007	0.006	0.003
07:00 AM - 08:00 AM	0.006	0.007	0.006	0.008	0.012	0.014	0.003
08:00 AM - 09:00 AM	0.010	0.010	0.008	0.008	0.006	0.011	0.004
09:00 AM - 10:00 AM	0.008	0.011	0.008	0.006	0.006	0.010	0.003
10:00 AM - 11:00 AM	0.004	0.012	0.006	0.007	0.007	0.008	0.003
11:00 AM - 12:00 PM	0.004	0.007	0.006	0.007	0.005	0.009	0.008
12:00 PM - 01:00 PM	0.004	0.007	0.005	0.004	0.004	0.009	0.013
Average	0.008	0.007	0.008	0.008	0.009	0.010	0.006
1hr - Maximum	0.016	0.014	0.015	0.013	0.025	0.022	0.013
Standard 1hr - Average	0.170	0.170	0.170	0.170	0.170	0.170	0.170

Standard : Notification of the National Environment Board No. 33, 2009 (B.E. 2552).  
Reference Method : US EPAMethod Part 50 App. F (Chemiluminescence)

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## Analysis / Test Report

**Client :** Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140  
**P/O :** RJN(2)-004/066  
**Project Name :** Pluak Daeng  
**Project Location :**

**Lot ID: 23115906**

Date Received : Nov 03, 2023  
Date Reported : Nov 08, 2023  
Report Number: 2830377-1

Page 1 of 1

**Sample Description** Air Quality  
**Location** บ้านวังตาฝัน (A2)  
(GPS 47P 0735931, 1436159)  
**Parameter** Nitrogen dioxide (ppm)  
**Measurement Date** Oct 27, 2023 - Nov 03, 2023  
**Measurement by** Saknarin Jaraskay

	23115906-8	23115906-9	23115906-10	23115906-11	23115906-12	23115906-13	23115906-14
Time	Oct 27, 2023	Oct 28, 2023	Oct 29, 2023	Oct 30, 2023	Oct 31, 2023	Nov 01, 2023	Nov 02, 2023
02:00 PM - 03:00 PM	0.002	0.003	0.002	0.001	0.001	0.001	<0.001
03:00 PM - 04:00 PM	0.001	0.005	0.001	0.001	0.001	<0.001	<0.001
04:00 PM - 05:00 PM	<0.001	0.004	<0.001	<0.001	<0.001	<0.001	<0.001
05:00 PM - 06:00 PM	<0.001	0.003	<0.001	<0.001	<0.001	<0.001	<0.001
06:00 PM - 07:00 PM	<0.001	0.003	<0.001	<0.001	0.001	<0.001	<0.001
07:00 PM - 08:00 PM	0.001	0.003	<0.001	<0.001	<0.001	<0.001	<0.001
08:00 PM - 09:00 PM	0.001	0.002	<0.001	<0.001	<0.001	0.001	0.001
09:00 PM - 10:00 PM	0.002	0.002	0.001	<0.001	<0.001	<0.001	0.002
10:00 PM - 11:00 PM	0.002	0.004	0.001	0.001	0.001	<0.001	0.001
11:00 PM - 12:00 AM	0.002	0.003	0.001	<0.001	0.002	<0.001	<0.001
12:00 AM - 01:00 AM	0.002	0.006	0.002	0.001	0.002	0.001	0.001
01:00 AM - 02:00 AM	0.002	0.004	0.002	0.001	0.002	0.002	0.001
02:00 AM - 03:00 AM	0.002	0.005	0.002	0.002	0.002	0.002	0.001
03:00 AM - 04:00 AM	0.003	0.004	0.002	0.002	0.002	0.002	0.004
04:00 AM - 05:00 AM	0.003	0.005	0.002	0.003	0.002	0.001	0.003
05:00 AM - 06:00 AM	0.002	0.004	0.002	0.003	0.002	0.001	0.003
06:00 AM - 07:00 AM	0.002	0.003	0.002	0.002	0.003	0.001	0.003
07:00 AM - 08:00 AM	0.002	0.002	0.002	0.002	0.002	0.001	0.002
08:00 AM - 09:00 AM	0.002	0.002	0.002	0.002	0.002	0.001	0.003
09:00 AM - 10:00 AM	0.004	0.002	0.002	0.002	0.004	0.001	0.004
10:00 AM - 11:00 AM	0.011	0.002	0.002	0.005	0.007	0.002	0.008
11:00 AM - 12:00 PM	0.017	0.006	0.003	0.010	0.028	0.002	0.013
12:00 PM - 01:00 PM	0.010	0.004	0.002	0.005	0.012	0.002	0.010
01:00 PM - 02:00 PM	0.002	0.002	0.002	0.002	0.003	0.002	0.008
Average	0.003	0.003	0.002	0.002	0.003	0.001	0.003
1hr - Maximum	0.017	0.006	0.003	0.010	0.028	0.002	0.013
Standard 1hr - Average	0.170	0.170	0.170	0.170	0.170	0.170	0.170

Standard : Notification of the National Environment Board No. 33, 2009 (B.E. 2552).  
Reference Method : US EPAMethod Part 50 App. F (Chemiluminescence)

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## Analysis / Test Report

**Client :** Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140  
**P/O :** RJN(2)-004/066  
**Project Name :** Pluak Daeng  
**Project Location :**

**Lot ID: 23115906**

Date Received : Nov 03, 2023  
Date Reported : Nov 08, 2023  
Report Number: 2830378-1

Page 1 of 1

<b>Sample Description</b>	Air Quality						
<b>Location</b>	วัดประสิทธิ์ธาราม (A3) (GPS 47P 0731870, 1430333)						
<b>Parameter</b>	Nitrogen dioxide (ppm)						
<b>Measurement Date</b>	Oct 27, 2023 - Nov 03, 2023						
<b>Measurement by</b>	Saknarin Jaraskay						
	23115906-15	23115906-16	23115906-17	23115906-18	23115906-19	23115906-20	23115906-21
Time	Oct 27, 2023	Oct 28, 2023	Oct 29, 2023	Oct 30, 2023	Oct 31, 2023	Nov 01, 2023	Nov 02, 2023
11:00 AM - 12:00 PM	0.004	0.003	0.004	0.001	<0.001	0.002	0.002
12:00 PM - 01:00 PM	0.002	<0.001	0.001	0.001	0.001	0.002	0.002
01:00 PM - 02:00 PM	0.002	0.001	0.004	<0.001	0.002	0.001	0.002
02:00 PM - 03:00 PM	0.003	0.001	<0.001	0.001	0.002	0.001	0.001
03:00 PM - 04:00 PM	0.001	0.002	0.002	<0.001	0.003	0.001	0.002
04:00 PM - 05:00 PM	0.001	0.002	0.002	0.001	0.002	0.002	0.002
05:00 PM - 06:00 PM	0.002	0.002	0.004	0.001	0.001	0.002	0.002
06:00 PM - 07:00 PM	0.003	0.002	0.003	0.002	0.002	0.002	0.003
07:00 PM - 08:00 PM	0.002	0.005	<0.001	0.001	0.002	0.002	0.002
08:00 PM - 09:00 PM	0.002	<0.001	0.002	0.001	0.001	0.002	0.002
09:00 PM - 10:00 PM	0.002	0.006	0.002	<0.001	0.002	0.002	0.002
10:00 PM - 11:00 PM	0.004	0.012	0.003	0.001	0.004	0.002	0.002
11:00 PM - 12:00 AM	0.005	0.005	0.002	0.002	0.007	0.002	0.002
12:00 AM - 01:00 AM	0.005	0.011	0.001	0.002	0.028	0.002	0.005
01:00 AM - 02:00 AM	0.005	0.005	0.001	<0.001	<0.001	0.002	0.004
02:00 AM - 03:00 AM	0.005	0.001	0.002	0.001	<0.001	0.002	0.004
03:00 AM - 04:00 AM	0.004	<0.001	<0.001	<0.001	<0.001	0.002	0.004
04:00 AM - 05:00 AM	0.005	0.001	<0.001	<0.001	<0.001	0.002	0.003
05:00 AM - 06:00 AM	0.004	0.002	0.001	0.001	<0.001	0.002	0.004
06:00 AM - 07:00 AM	0.008	0.001	<0.001	0.001	0.001	0.002	0.005
07:00 AM - 08:00 AM	0.004	0.002	0.001	0.001	0.001	0.003	0.009
08:00 AM - 09:00 AM	0.023	0.004	0.002	0.002	0.001	0.003	0.014
09:00 AM - 10:00 AM	0.015	0.003	0.001	0.002	0.013	0.003	0.011
10:00 AM - 11:00 AM	0.003	0.003	<0.001	0.001	0.004	0.002	0.009
Average	0.005	0.003	0.002	0.001	0.003	0.002	0.004
1hr - Maximum	0.023	0.012	0.004	0.002	0.028	0.003	0.014
Standard 1hr - Average	0.170	0.170	0.170	0.170	0.170	0.170	0.170

Standard : Notification of the National Environment Board No. 33, 2009 (B.E. 2552).  
Reference Method : US EPAMethod Part 50 App. F (Chemiluminescence)

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

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## Analysis / Test Report

**Client :** Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140  
**P/O :** RJN(2)-004/066  
**Project Name :** Pluak Daeng  
**Project Location :**

**Lot ID: 23115906**

Date Received : Nov 03, 2023  
Date Reported : Nov 08, 2023  
Report Number: 2830379-1

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<b>Sample Description</b>	Air Quality						
<b>Location</b>	วัดวังประจักษ์ (A4) (GPS 47P 0736656, 1430554)						
<b>Parameter</b>	Nitrogen dioxide (ppm)						
<b>Measurement Date</b>	Oct 27, 2023 - Nov 03, 2023						
<b>Measurement by</b>	Saknarin Jaraskay						
	23115906-22	23115906-23	23115906-24	23115906-25	23115906-26	23115906-27	23115906-28
Time	Oct 27, 2023	Oct 28, 2023	Oct 29, 2023	Oct 30, 2023	Oct 31, 2023	Nov 01, 2023	Nov 02, 2023
10:00 AM - 11:00 AM	0.006	0.004	0.005	0.002	0.002	0.003	0.005
11:00 AM - 12:00 PM	0.004	0.006	0.012	0.002	0.002	0.003	0.005
12:00 PM - 01:00 PM	0.004	0.004	0.005	0.002	0.001	0.003	0.007
01:00 PM - 02:00 PM	0.008	0.005	0.004	0.002	0.002	0.003	0.005
02:00 PM - 03:00 PM	0.005	0.004	0.002	0.002	0.001	0.003	0.006
03:00 PM - 04:00 PM	0.007	0.006	0.006	0.002	0.001	0.003	0.005
04:00 PM - 05:00 PM	0.012	0.004	0.006	0.006	0.001	0.002	0.007
05:00 PM - 06:00 PM	0.009	0.006	0.008	0.007	0.003	0.004	0.005
06:00 PM - 07:00 PM	0.009	0.007	0.013	0.010	0.006	0.008	0.007
07:00 PM - 08:00 PM	0.013	0.007	0.016	0.008	0.010	0.013	0.008
08:00 PM - 09:00 PM	0.012	0.008	0.019	0.007	0.011	0.014	0.008
09:00 PM - 10:00 PM	0.011	0.010	0.014	0.013	0.014	0.009	0.009
10:00 PM - 11:00 PM	0.012	0.006	0.013	0.016	0.011	0.012	0.011
11:00 PM - 12:00 AM	0.008	0.004	0.014	0.015	0.006	0.008	0.007
12:00 AM - 01:00 AM	0.007	0.005	0.012	0.015	0.003	0.004	0.006
01:00 AM - 02:00 AM	0.008	0.006	0.010	0.008	0.002	0.004	0.006
02:00 AM - 03:00 AM	0.009	0.007	0.012	0.004	0.002	0.003	0.007
03:00 AM - 04:00 AM	0.009	0.010	0.010	0.003	0.002	0.003	0.009
04:00 AM - 05:00 AM	0.010	0.009	0.010	0.003	0.003	0.003	0.012
05:00 AM - 06:00 AM	0.009	0.007	0.009	0.002	0.002	0.003	0.010
06:00 AM - 07:00 AM	0.008	0.008	0.008	0.003	0.003	0.003	0.008
07:00 AM - 08:00 AM	0.006	0.010	0.008	0.006	0.004	0.006	0.009
08:00 AM - 09:00 AM	0.005	0.010	0.007	0.006	0.004	0.007	0.012
09:00 AM - 10:00 AM	0.004	0.007	0.005	0.003	0.003	0.004	0.011
Average	0.008	0.007	0.010	0.006	0.004	0.005	0.008
1hr - Maximum	0.013	0.010	0.019	0.016	0.014	0.014	0.012
Standard 1hr - Average	0.170	0.170	0.170	0.170	0.170	0.170	0.170

Standard : Notification of the National Environment Board No. 33, 2009 (B.E. 2552).  
Reference Method : US EPAMethod Part 50 App. F (Chemiluminescence)

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## Analysis / Test Report

**Client :** Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140  
**P/O :** RJN(2)-004/066  
**Project Name :** Pluak Daeng  
**Project Location :**

**Lot ID: 23115907**

Date Received : Nov 03, 2023  
Date Reported : Nov 08, 2023  
Report Number: 2795323-1

Page 1 of 1

**Sample Description** Air Quality  
**Location** วัดมาบยางพร (A1)  
(GPS 47P 0732270, 1436522)  
**Parameter** Sulfur Dioxide (ppm)  
**Measurement Date** Oct 27, 2023 - Nov 03, 2023  
**Measurement by** Saknarin Jaraskay

	23115907-1	23115907-2	23115907-3	23115907-4	23115907-5	23115907-6	23115907-7
Time	Oct 27, 2023	Oct 28, 2023	Oct 29, 2023	Oct 30, 2023	Oct 31, 2023	Nov 01, 2023	Nov 02, 2023
01:00 PM - 02:00 PM	0.001	0.002	0.002	0.002	0.002	0.002	0.002
02:00 PM - 03:00 PM	0.001	0.002	0.002	0.002	0.002	0.002	0.002
03:00 PM - 04:00 PM	0.001	0.002	0.002	0.002	0.002	0.002	0.002
04:00 PM - 05:00 PM	0.001	0.002	0.002	0.002	0.002	0.002	0.002
05:00 PM - 06:00 PM	0.001	0.002	0.002	0.002	0.002	0.002	0.002
06:00 PM - 07:00 PM	0.001	0.002	0.002	0.002	0.002	0.002	0.002
07:00 PM - 08:00 PM	<0.001	0.002	0.002	0.002	0.002	0.002	0.001
08:00 PM - 09:00 PM	0.002	0.002	0.002	0.002	0.002	0.002	0.001
09:00 PM - 10:00 PM	0.001	0.002	0.002	0.002	0.002	0.002	0.001
10:00 PM - 11:00 PM	0.001	0.002	0.001	0.001	0.001	0.001	0.001
11:00 PM - 12:00 AM	0.001	0.002	0.001	0.001	0.001	0.001	0.001
12:00 AM - 01:00 AM	0.001	0.002	0.001	0.001	0.001	0.002	0.001
01:00 AM - 02:00 AM	0.001	0.002	0.001	0.001	0.001	0.001	0.001
02:00 AM - 03:00 AM	0.001	0.002	0.001	0.001	0.001	0.001	0.001
03:00 AM - 04:00 AM	0.001	0.002	0.001	0.001	0.001	0.001	0.001
04:00 AM - 05:00 AM	0.001	0.002	0.001	0.001	0.001	0.001	0.001
05:00 AM - 06:00 AM	0.001	0.002	0.001	0.001	0.001	0.001	0.001
06:00 AM - 07:00 AM	0.001	0.002	0.001	0.001	0.001	0.001	0.001
07:00 AM - 08:00 AM	0.001	0.002	0.001	0.001	0.001	0.001	0.001
08:00 AM - 09:00 AM	0.001	0.002	0.001	0.001	0.001	0.001	0.001
09:00 AM - 10:00 AM	0.001	0.002	0.001	0.001	0.001	0.001	0.001
10:00 AM - 11:00 AM	0.001	0.002	0.001	0.001	0.001	0.001	0.001
11:00 AM - 12:00 PM	0.001	0.002	0.001	0.001	0.001	0.001	0.002
12:00 PM - 01:00 PM	0.002	0.002	0.001	0.002	0.002	0.002	0.002
Average	0.001	0.002	0.001	0.001	0.001	0.001	0.001
1hr - Maximum	0.002	0.002	0.002	0.002	0.002	0.002	0.002
Standard 1hr - Average	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Standard 24 hrs - Average	0.12	0.12	0.12	0.12	0.12	0.12	0.12

Standard : Notification of the National Environment Board No.10, 1995 (B.E.2538), No. 21, 2001 (B.E.2544) and No.24, 2004 (B.E.2547).  
Reference Method : US EPA Method Part 53 and 58

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## Analysis / Test Report

**Client :** Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140  
**P/O :** RJN(2)-004/066  
**Project Name :** Pluak Daeng  
**Project Location :**

**Lot ID: 23115907**

Date Received : Nov 03, 2023  
Date Reported : Nov 08, 2023  
Report Number: 2830381-1

Page 1 of 1

**Sample Description** Air Quality  
**Location** บ้านวังตาฝัน (A2)  
(GPS 47P 0735931, 1436159)  
**Parameter** Sulfur Dioxide (ppm)  
**Measurement Date** Oct 27, 2023 - Nov 03, 2023  
**Measurement by** Saknarin Jaraskay

	23115907-8	23115907-9	23115907-10	23115907-11	23115907-12	23115907-13	23115907-14
Time	Oct 27, 2023	Oct 28, 2023	Oct 29, 2023	Oct 30, 2023	Oct 31, 2023	Nov 01, 2023	Nov 02, 2023
02:00 PM - 03:00 PM	0.001	0.001	0.002	0.001	0.001	0.002	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	0.002	0.001	0.001	0.002	0.001	0.001
05:00 PM - 06:00 PM	0.002	0.001	0.002	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	0.001	0.001	0.001	0.002	0.001	0.001	0.001
08:00 PM - 09:00 PM	0.001	0.001	0.002	0.001	0.001	0.001	0.002
09:00 PM - 10:00 PM	0.001	0.001	0.001	0.001	0.002	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	0.002	0.002	0.001	0.001	0.001	0.001	0.002
12:00 AM - 01:00 AM	0.001	0.002	0.001	0.001	0.001	0.001	0.002
01:00 AM - 02:00 AM	0.001	0.002	0.002	0.001	0.001	0.002	0.002
02:00 AM - 03:00 AM	0.002	0.002	0.001	0.002	0.001	0.001	0.001
03:00 AM - 04:00 AM	0.001	0.002	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	0.001	0.001	0.001	0.002	0.001	0.002	0.001
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	0.002	0.001	0.001	0.001	0.002
09:00 AM - 10:00 AM	0.002	0.002	0.002	0.001	0.001	0.001	0.002
10:00 AM - 11:00 AM	0.002	0.001	0.002	0.002	0.001	0.001	0.001
11:00 AM - 12:00 PM	0.002	0.001	0.001	0.001	0.002	0.001	0.001
12:00 PM - 01:00 PM	0.001	0.001	0.001	0.001	0.001	0.001	0.002
01:00 PM - 02:00 PM	0.001	0.001	0.001	0.001	0.001	0.002	0.001
Average	0.001	0.001	0.001	0.001	0.001	0.001	0.001
1hr - Maximum	0.002	0.002	0.002	0.002	0.002	0.002	0.002
Standard 1hr - Average	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Standard 24 hrs - Average	0.12	0.12	0.12	0.12	0.12	0.12	0.12

Standard : Notification of the National Environment Board No.10, 1995 (B.E.2538), No. 21, 2001 (B.E.2544) and No.24, 2004 (B.E.2547).  
Reference Method : US EPA Method Part 53 and 58

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## Analysis / Test Report

**Client :** Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140  
**P/O :** RJN(2)-004/066  
**Project Name :** Pluak Daeng  
**Project Location :**

**Lot ID: 23115907**

Date Received : Nov 03, 2023  
Date Reported : Nov 08, 2023  
Report Number: 2830382-1

Page 1 of 1

<b>Sample Description</b>	Air Quality						
<b>Location</b>	วัดประสิทธิ์ธาราม (A3) (GPS 47P 0731870, 1430333)						
<b>Parameter</b>	Sulfur Dioxide (ppm)						
<b>Measurement Date</b>	Oct 27, 2023 - Nov 03, 2023						
<b>Measurement by</b>	Saknarin Jaraskay						
	23115907-15 Oct 27, 2023	23115907-16 Oct 28, 2023	23115907-17 Oct 29, 2023	23115907-18 Oct 30, 2023	23115907-19 Oct 31, 2023	23115907-20 Nov 01, 2023	23115907-21 Nov 02, 2023
Time							
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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## Analysis / Test Report

**Client :** Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140  
**P/O :** RJN(2)-004/066  
**Project Name :** Pluak Daeng  
**Project Location :**

**Lot ID: 23115907**

Date Received : Nov 03, 2023  
Date Reported : Nov 08, 2023  
Report Number: 2830383-1

Page 1 of 1

<b>Sample Description</b>	Air Quality						
<b>Location</b>	วัดวังประจักษ์ (A4) (GPS 47P 0736656, 1430554)						
<b>Parameter</b>	Sulfur Dioxide (ppm)						
<b>Measurement Date</b>	Oct 27, 2023 - Nov 03, 2023						
<b>Measurement by</b>	Saknarin Jaraskay						
	23115907-22	23115907-23	23115907-24	23115907-25	23115907-26	23115907-27	23115907-28
Time	Oct 27, 2023	Oct 28, 2023	Oct 29, 2023	Oct 30, 2023	Oct 31, 2023	Nov 01, 2023	Nov 02, 2023
10:00 AM - 11:00 AM	0.002	0.002	0.002	<0.001	0.001	0.001	0.001
11:00 AM - 12:00 PM	0.002	0.002	0.002	0.001	0.001	0.001	0.001
12:00 PM - 01:00 PM	0.002	0.002	0.002	<0.001	0.001	0.001	0.001
01:00 PM - 02:00 PM	0.002	0.002	0.002	0.001	0.001	0.001	0.001
02:00 PM - 03:00 PM	0.002	0.002	0.002	0.001	0.001	0.001	0.001
03:00 PM - 04:00 PM	0.002	0.002	0.002	0.001	0.001	0.001	0.001
04:00 PM - 05:00 PM	0.002	0.002	0.002	0.001	0.001	0.001	0.001
05:00 PM - 06:00 PM	0.002	0.002	0.002	0.001	0.001	0.001	0.001
06:00 PM - 07:00 PM	0.002	0.002	0.002	0.001	0.001	0.001	0.001
07:00 PM - 08:00 PM	0.002	0.002	0.002	0.002	0.001	0.001	0.001
08:00 PM - 09:00 PM	0.002	0.002	0.002	0.002	0.001	0.001	0.001
09:00 PM - 10:00 PM	0.002	0.002	0.002	0.002	0.001	0.001	0.001
10:00 PM - 11:00 PM	0.002	0.002	0.002	0.001	0.001	0.001	0.001
11:00 PM - 12:00 AM	0.002	0.002	0.002	0.002	0.001	0.001	0.002
12:00 AM - 01:00 AM	0.002	0.002	0.002	0.001	0.001	0.002	0.001
01:00 AM - 02:00 AM	0.002	0.002	0.002	0.001	0.001	0.001	0.001
02:00 AM - 03:00 AM	0.002	0.002	0.002	0.001	0.001	0.001	0.001
03:00 AM - 04:00 AM	0.002	0.002	0.002	0.001	0.001	0.001	0.001
04:00 AM - 05:00 AM	0.002	0.002	0.002	0.001	0.001	0.001	0.001
05:00 AM - 06:00 AM	0.002	0.002	0.001	0.001	0.001	0.001	0.001
06:00 AM - 07:00 AM	0.002	0.002	0.001	0.002	0.001	0.001	0.001
07:00 AM - 08:00 AM	0.002	0.002	<0.001	0.002	0.001	0.001	0.001
08:00 AM - 09:00 AM	0.002	0.002	0.001	0.001	0.001	0.001	0.001
09:00 AM - 10:00 AM	<0.001	0.002	<0.001	0.002	0.001	0.001	0.001
Average	0.002	0.002	0.002	0.001	0.001	0.001	0.001
1hr - Maximum	0.002	0.002	0.002	0.002	0.001	0.002	0.002
Standard 1hr - Average	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Standard 24 hrs - Average	0.12	0.12	0.12	0.12	0.12	0.12	0.12

Standard : Notification of the National Environment Board No.10, 1995 (B.E.2538), No. 21, 2001 (B.E.2544) and No.24, 2004 (B.E.2547).  
Reference Method : US EPA Method Part 53 and 58

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## Analysis / Test Report

TESTING  
No.0042

**Client :** Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140

**P/O :** RJN(2)-004/066

**Project Name :** Pluak Daeng

**Project Location :**

**Lot ID: 23115909**

Date Received : Nov 03, 2023

Date Reported : Nov 08, 2023

Report Number: 2795325-1

Page 1 of 1

<b>Sample Description</b>	Air Quality
<b>Location</b>	วัดนาบยางพร (A1) (GPS 47P 0732270, 1436522)
<b>Date Analysis Commenced</b>	Nov 04, 2023
<b>Condition of Sample</b>	Drawn into one glass filter paper (8x10 inch) placed in plastic bag and one quartz filter paper (8x10 inch) placed in plastic bag

Sample Number	Sampled Date	Total Suspended Particulate (mg/m3)	Particulate Matter (PM-10) (mg/m3)	Barometric Pressure (mm Hg)	Atmospheric Temperature (°C)
23115909-1	Oct 27 - Oct 28, 2023	0.058	0.029	757	34
23115909-2	Oct 28 - Oct 29, 2023	0.051	0.028	757	34
23115909-3	Oct 29 - Oct 30, 2023	0.059	0.032	757	34
23115909-4	Oct 30 - Oct 31, 2023	0.036	0.014	757	32
23115909-5	Oct 31 - Nov 01, 2023	0.041	0.017	757	32
23115909-6	Nov 01 - Nov 02, 2023	0.051	0.023	757	32
23115909-7	Nov 02 - Nov 03, 2023	0.071	0.034	757	32
<b>Guideline</b>		0.33	0.12	-	-

### Reference Method

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

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

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

**Sampled By :** Saknarin Jaraskay

### Remark :

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

Approved by

*Thanita K.*

Thanita Kulsuriwong  
Scientist (4)

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## Analysis / Test Report

TESTING  
No.0042

**Client :** Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140  
**P/O :** RJN(2)-004/066  
**Project Name :** Pluak Daeng  
**Project Location :**

**Lot ID: 23115909**

Date Received : Nov 03, 2023

Date Reported : Nov 08, 2023

Report Number: 2795325-2

Page 1 of 1

<b>Sample Description</b>	Air Quality
<b>Location</b>	บ้านวังตาผิน (A2) (GPS 47P 0735931, 1436159)
<b>Date Analysis Commenced</b>	Nov 04, 2023
<b>Condition of Sample</b>	Drawn into one glass filter paper (8x10 inch) placed in plastic bag and one quartz filter paper (8x10 inch) placed in plastic bag

Sample Number	Sampled Date	Total Suspended Particulate (mg/m3)	Particulate Matter (PM-10) (mg/m3)	Barometric Pressure (mm Hg)	Atmospheric Temperature (°C)
23115909-8	Oct 27 - Oct 28, 2023	0.074	0.039	757	34
23115909-9	Oct 28 - Oct 29, 2023	0.076	0.043	757	34
23115909-10	Oct 29 - Oct 30, 2023	0.098	0.067	757	34
23115909-11	Oct 30 - Oct 31, 2023	0.082	0.053	757	32
23115909-12	Oct 31 - Nov 01, 2023	0.137	0.094	757	32
23115909-13	Nov 01 - Nov 02, 2023	0.126	0.093	757	32
23115909-14	Nov 02 - Nov 03, 2023	0.124	0.081	757	32
<b>Guideline</b>		0.33	0.12	-	-

### Reference Method

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

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

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

**Sampled By :** Saknarin Jaraskay

### Remark :

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

Approved by

*Thanita K.*

Thanita Kulsuriwong  
Scientist (4)

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## Analysis / Test Report

TESTING  
No.0042

**Client :** Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140

**P/O :** RJN(2)-004/066

**Project Name :** Pluak Daeng

**Project Location :**

**Lot ID: 23115909**

Date Received : Nov 03, 2023

Date Reported : Nov 08, 2023

Report Number: 2795325-3

Page 1 of 1

<b>Sample Description</b>	Air Quality				
<b>Location</b>	วัดประสิทธิ์ธาราม (A3) (GPS 47P 0731870, 1430333)				
<b>Date Analysis Commenced</b>	Nov 04, 2023				
<b>Condition of Sample</b>	Drawn into one glass filter paper (8x10 inch) placed in plastic bag and one quartz filter paper (8x10 inch) placed in plastic bag				
Sample Number	Sampled Date	Total Suspended Particulate (mg/m3)	Particulate Matter (PM-10) (mg/m3)	Barometric Pressure (mm Hg)	Atmospheric Temperature (°C)
23115909-15	Oct 27 - Oct 28, 2023	0.044	0.024	757	34
23115909-16	Oct 28 - Oct 29, 2023	0.056	0.028	757	34
23115909-17	Oct 29 - Oct 30, 2023	0.048	0.029	757	34
23115909-18	Oct 30 - Oct 31, 2023	0.029	0.016	757	32
23115909-19	Oct 31 - Nov 01, 2023	0.042	0.020	757	32
23115909-20	Nov 01 - Nov 02, 2023	0.059	0.029	757	32
23115909-21	Nov 02 - Nov 03, 2023	0.084	0.046	757	32
<b>Guideline</b>		0.33	0.12	-	-

### Reference Method

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

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

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

**Sampled By :** Saknarin Jaraskay

### Remark :

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

Approved by

*Thanita K.*

Thanita Kulsuriwong  
Scientist (4)

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## Analysis / Test Report

TESTING  
No.0042

**Client :** Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140  
**P/O :** RJN(2)-004/066  
**Project Name :** Pluak Daeng  
**Project Location :**

**Lot ID: 23115909**

Date Received : Nov 03, 2023  
Date Reported : Nov 08, 2023  
Report Number: 2795325-4

Page 1 of 1

<b>Sample Description</b>	Air Quality
<b>Location</b>	วัดวังประจักษ์ (A4) (GPS 47P 0736656, 1430554)
<b>Date Analysis Commenced</b>	Nov 04, 2023
<b>Condition of Sample</b>	Drawn into one glass filter paper (8x10 inch) placed in plastic bag and one quartz filter paper (8x10 inch) placed in plastic bag

Sample Number	Sampled Date	Total Suspended Particulate (mg/m3)	Particulate Matter (PM-10) (mg/m3)	Barometric Pressure (mm Hg)	Atmospheric Temperature (°C)
23115909-22	Oct 27 - Oct 28, 2023	0.049	0.022	757	34
23115909-23	Oct 28 - Oct 29, 2023	0.044	0.021	757	34
23115909-24	Oct 29 - Oct 30, 2023	0.051	0.027	757	34
23115909-25	Oct 30 - Oct 31, 2023	0.024	0.014	757	32
23115909-26	Oct 31 - Nov 01, 2023	0.026	0.012	757	32
23115909-27	Nov 01 - Nov 02, 2023	0.025	0.019	757	32
23115909-28	Nov 02 - Nov 03, 2023	0.060	0.033	757	32
<b>Guideline</b>		0.33	0.12	-	-

### Reference Method

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

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

**Sampled By :** Saknarin Jaraskay

### Remark :

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

Approved by

*Thanita K.*

Thanita Kulsuriwong  
Scientist (4)

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## Analysis / Test Report

Client : Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140  
P/O : RJN(2)-004/066  
Project Name : Pluak Daeng  
Project Location :

Lot ID: 23115908  
Date Received : Nov 03, 2023  
Date Reported : Nov 07, 2023  
Report Number : 2795324-1

Page 1 of 2

Sample Number 23115908-1 to 7  
Parameter Wind Speed / Wind Direction  
Location วัดวังประจักษ์ (GPS 47P 0736656, 1430554)  
Sampling Date Oct 27 - Nov 03, 2023  
Sampling by Saknarin Jaraskay

Time	Oct 27 - Oct 28, 2023			Oct 28 - Oct 29, 2023			Oct 29 - Oct 30, 2023			Oct 30 - Oct 31, 2023			Oct 31 - Nov 01, 2023			Nov 01 - Nov 02, 2023			Nov 02 - Nov 03, 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	1.9	128.0	SE	0.1	-	-	0.8	253.0	WSW	1.2	24.0	NNE	2.6	0.0	N	1.5	78.0	ENE	1.2	80.0	E
11:00 AM - 12:00 PM	0.6	166.0	SSE	1.5	313.0	NW	0.4	193.0	SSW	1.2	76.0	ENE	0.1	-	-	1.3	299.0	WNW	2.3	51.0	NE
12:00 PM - 01:00 PM	2.3	155.0	SSE	0.0	-	-	1.1	234.0	SW	1.0	44.0	NE	0.5	330.0	NNW	2.8	40.0	NE	2.3	91.0	E
01:00 PM - 02:00 PM	1.2	107.0	ESE	0.8	277.0	W	0.7	222.0	SW	0.4	0.0	N	0.9	329.0	NNW	0.8	51.0	NE	1.1	355.0	N
02:00 PM - 03:00 PM	0.5	197.0	SSW	1.3	323.0	NW	0.3	321.0	NW	0.4	273.0	W	0.1	-	-	1.6	31.0	NNE	1.2	10.0	N
03:00 PM - 04:00 PM	1.0	121.0	ESE	1.1	285.0	WNW	0.7	200.0	SSW	1.2	273.0	W	0.8	341.0	NNW	0.8	47.0	NE	1.0	321.0	NW
04:00 PM - 05:00 PM	0.6	287.0	WNW	1.5	114.0	ESE	0.6	305.0	NW	0.6	256.0	WSW	0.0	-	-	0.0	-	-	0.9	337.0	NNW
05:00 PM - 06:00 PM	0.1	-	-	1.0	145.0	SE	0.0	-	-	0.6	268.0	W	0.0	-	-	1.0	319.0	NW	0.8	23.0	NNE
06:00 PM - 07:00 PM	0.0	-	-	0.0	-	-	0.0	-	-	0.6	146.0	SE	1.0	304.0	NW	0.0	-	-	0.0	-	-
07:00 PM - 08:00 PM	0.0	-	-	0.8	304.0	NW	0.2	-	-	0.2	-	-	0.6	310.0	NW	0.4	23.0	NNE	0.0	-	-
08:00 PM - 09:00 PM	0.0	-	-	0.2	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.2	-	-	0.8	63.0	ENE
09:00 PM - 10:00 PM	0.0	-	-	0.9	329.0	NNW	0.3	321.0	NW	0.1	-	-	0.9	0.0	N	0.5	298.0	WNW	0.0	-	-
10:00 PM - 11:00 PM	0.0	-	-	0.0	-	-	0.0	-	-	0.3	319.0	NW	0.0	-	-	0.7	313.0	NW	0.0	-	-
11:00 PM - 12:00 AM	0.0	-	-	0.0	-	-	0.0	-	-	1.2	292.0	WNW	0.2	-	-	0.7	323.0	NW	0.0	-	-
12:00 AM - 01:00 AM	0.5	303.0	WNW	0.0	-	-	0.0	-	-	0.9	303.0	WNW	1.2	349.0	N	0.2	-	-	0.0	-	-
01:00 AM - 02:00 AM	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.4	302.0	WNW	0.0	-	-	0.0	-	-
02:00 AM - 03:00 AM	0.0	-	-	0.0	-	-	0.8	309.0	NW	0.8	304.0	NW	0.4	17.0	NNE	0.7	316.0	NW	0.0	-	-
03:00 AM - 04:00 AM	0.0	-	-	0.1	-	-	0.0	-	-	1.2	305.0	NW	0.0	-	-	0.0	-	-	0.0	-	-
04:00 AM - 05:00 AM	0.0	-	-	0.9	309.0	NW	0.0	-	-	0.3	354.0	N	0.2	-	-	0.3	252.0	WSW	0.0	-	-
05:00 AM - 06:00 AM	0.0	-	-	0.0	-	-	0.0	-	-	0.9	287.0	WNW	0.9	305.0	NW	0.3	348.0	NNW	0.0	-	-
06:00 AM - 07:00 AM	0.0	-	-	0.0	-	-	0.3	0.0	N	0.1	-	-	0.3	273.0	W	0.3	306.0	NW	0.5	323.0	NW
07:00 AM - 08:00 AM	0.0	-	-	0.9	324.0	NW	0.3	321.0	NW	0.0	-	-	1.0	346.0	NNW	0.3	0.0	N	0.3	339.0	NNW
08:00 AM - 09:00 AM	1.8	270.0	W	0.0	-	-	1.1	114.0	ESE	1.2	22.0	NNE	2.6	52.0	NE	1.3	291.0	WNW	0.3	338.0	NNW
09:00 AM - 10:00 AM	0.9	264.0	W	1.2	312.0	NW	0.7	359.0	N	0.6	338.0	NNW	2.6	60.0	ENE	0.7	255.0	WSW	0.1	-	-

Reference Method : Cup Anemometer & Anodized Aluminium Vane Method

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Approved by

Sarayuth Jittrantont  
Assistant General Manager



## Analysis / Test Report

Client : Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140  
P/O : RJN(2)-004/066  
Project Name : Pluak Daeng  
Project Location :

Lot ID: 23115908  
Date Received : Nov 03, 2023  
Date Reported : Nov 07, 2023  
Report Number : 2795324-1

Page 2 of 2

### Wind Rose



Date : Oct 27-28, 2023



Date : Oct 28-29, 2023



Date : Oct 29-30, 2023



Date : Oct 30-31, 2023



Date : Oct 31-Nov 01, 2023



Date : Nov 01-02, 2023



Date : Nov 02-03, 2023



Date : Oct 27-Nov 03, 2023

WS(m/s)	%
$\geq 10.0$	0.00
8.0-10.0	0.00
5.5-8.0	0.00
3.3-5.5	0.00
1.7-3.3	5.36
0.3-1.7	52.38
Calms	42.26

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Approved by

Sarayuth Jittrantont  
Assistant General Manager

## ภาคผนวก ค-02

คุณภาพน้ำเสียก่อนเข้าระบบส่วนกลางทางชีวภาพ  
ของสวนอุตสาหกรรมปลวกแดง  
และคุณภาพน้ำทิ้งภายหลังผ่านการบำบัดแล้ว



## Analysis / Test Report

TESTING

No.0042

**Lot ID: 2372171**

Date Received : Jul 04, 2023

Date Reported : Jul 11, 2023

Report Number : 2711732-1

**Client :** Rojana Industrial Management Co., Ltd.

2034/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkapi, Huaykwang, Bangkok  
Thailand 10310

**P/O :**

**Project Name :** โครงการสวนอุตสาหกรรมปลวกแดง (โรจนะปลวกแดง/ระยอง2)

**Project Location:** WWTP

Page 1 of 2

<b>Sample Number</b>	2372171-1
<b>Sampled Date</b>	Jul 04, 2023 11:25 AM
<b>Sample Description</b>	Wastewater
<b>Location</b>	Collecting Tank
<b>Date Analysis Commenced</b>	Jul 04, 2023
<b>Condition of Sample</b>	Contained in two glass vials, one amber glass bottle and ten plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Water Testing</b>							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	14.6	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	61	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Rayong
Color (at Original pH)	ADMI	-	5	56	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2120 F	Rayong
Color (at pH 7.0)	ADMI	-	5	52	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2120 F	Rayong
Cyanide as CN *	mg/L	0.001	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)	Rayong
Formaldehyde	mg/L	0.03	0.1	2.6	≤1.0	Wastewater analysis manual, Environmental Engineering Association of Thailand, 4th ed., 2004	Rayong
pH at 25 degree C *		-	-	7.4	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Rayong
Phenol	mg/L	0.005	0.01	Not Detected	≤1	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5530 D	Rayong
Residual Free Chlorine *	mg/L	-	0.1	<0.1	≤1	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Cl (F)	Rayong

**Technical Management**

*N. Banchongkit*

Narumon Banchongkit  
Supervisor

ทะเบียนเลขที่ จ-323-จ-9445

**Approved by**

*D. Changchon*

Dej Changchon  
Senior Manager

ทะเบียนเลขที่ จ-323-ค-9442

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## Analysis / Test Report

TESTING

No.0042

**Lot ID: 2372171**

Date Received : Jul 04, 2023

Date Reported : Jul 11, 2023

Report Number : 2711732-1

**Client :** Rojana Industrial Management Co., Ltd.

2034/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkapi, Huaykwang, Bangkok  
Thailand 10310

**P/O :**

**Project Name :** โครงการสวนอุตสาหกรรมปลวกแดง (โรจนะปลวกแดง/ระยอง2)

**Project Location:** WWTP

Page 2 of 2

<b>Sample Number</b>	2372171-1
<b>Sampled Date</b>	Jul 04, 2023 11:25 AM
<b>Sample Description</b>	Wastewater
<b>Location</b>	Collecting Tank
<b>Date Analysis Commenced</b>	Jul 04, 2023
<b>Condition of Sample</b>	Contained in two glass vials, one amber glass bottle and ten plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Water Testing</b>							
Sulfide *	mg/L	-	0.5	<0.5	≤1	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-S2 (C, F)	Rayong
Temperature *	Degree C	-	-	31.5	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	284	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Rayong
Total Kjeldahl Nitrogen as N	mg/L	-	1.0	41.6	≤100	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Norg (C), part NH3 (D)	Rayong
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	Rayong

**Guideline :** Standard of Rojana Industrial park (Rayong 2), Criteria of wastewater drainage from the factory to central wastewater treatment plant.

**Sampling By :** Tanasit Wongsachai ทะเบียนเลขที่ ว-323-จ-9460 , Pattarapol Sawangjaitam ทะเบียนเลขที่ ว-204-จ-0002

**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**

*N. Banongkit*

Narumon Banchongkit  
Supervisor

ทะเบียนเลขที่ ว-323-จ-9445

**Approved by**

*D. Changchon*

Dej Changchon  
Senior Manager

ทะเบียนเลขที่ ว-323-ค-9442

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## Analysis / Test Report

TESTING

No.0009

Lot ID: 2372171

Date Received : Jul 04, 2023

Date Reported : Jul 11, 2023

Report Number : 2711732-2

Client : Rojana Industrial Management Co., Ltd.

2034/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkapi, Huaykwang, Bangkok  
Thailand 10310

P/O :

Project Name : โครงการสวนอุตสาหกรรมปลวกแดง (โรจนะปลวกแดง/ระยอง2)

Project Location : WWTP

Page 1 of 2

Sample Number	2372171-1
Sampled Date	Jul 04, 2023 11:25 AM
Sample Description	Wastewater
Location	Collecting Tank
Date Analysis Commenced	Jul 05, 2023
Condition of Sample	Contained in two glass vials, one amber glass bottle and ten plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Metals Testing</b>							
Arsenic	mg/L	0.0003	0.0005	0.005	≤0.25	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Barium	mg/L	0.0003	0.0005	0.12	≤1.00	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	0.004	≤2.00	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	≤0.20	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	0.11	≤5.00	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

Technical Management

*Savitree N.*

Savitree Noisangiam  
Manager

ทะเบียนเลขที่ ว-204-จ-4709

Approved by

*Kanokkorn Anek*

Kanokkorn Anek  
Senior Manager

ทะเบียนเลขที่ ว-204-ค-6111

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## Analysis / Test Report

TESTING  
No.0009

**Client** : Rojana Industrial Management Co., Ltd.  
2034/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkapi, Huaykwang, Bangkok  
Thailand 10310

**Lot ID: 2372171**

Date Received : Jul 04, 2023

Date Reported : Jul 11, 2023

Report Number : 2711732-2

**P/O :**

**Project Name** : โครงการสวนอุตสาหกรรมปลวกแดง (โรจนะปลวกแดง/ระยอง2)

**Project Location** : WWTP

Page 2 of 2

**Sample Number** : 2372171-1  
**Sampled Date** : Jul 04, 2023 11:25 AM  
**Sample Description** : Wastewater  
**Location** : Collecting Tank  
**Date Analysis Commenced** : Jul 05, 2023  
**Condition of Sample** : Contained in two glass vials, one amber glass bottle and ten plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Metals Testing</b>							
Nickel	mg/L	0.0003	0.0005	0.03	≤1.00	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Selenium	mg/L	0.0003	0.0005	Not Detected	≤0.02	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Trivalent Chromium *	mg/L	-	0.01	0.02	≤0.75	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Zinc	mg/L	0.003	0.005	0.08	≤5.00	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
<b>Water Testing</b>							
Oil & Grease *	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 D	Bangkok

**Guideline** : Standard of Rojana Industrial park (Rayong 2), Criteria of wastewater drainage from the factory to central wastewater treatment plant.

**Sampling By** : Tanasit Wongsachai ทะเบียนเลขที่ ว-323-จ-9460 , Pattarapol Sawangjaitam ทะเบียนเลขที่ ว-204-จ-0002

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 Noisangiam  
Manager

ทะเบียนเลขที่ ว-204-จ-4709

Approved by

*Kanokkorn Anek*

Kanokkorn Anek  
Senior Manager

ทะเบียนเลขที่ ว-204-ค-6111

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## Analysis / Test Report

TESTING

No.0042

**Lot ID: 2372171**

Date Received : Jul 04, 2023

Date Reported : Jul 11, 2023

Report Number : 2711732-3

**Client :** Rojana Industrial Management Co., Ltd.

2034/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkapi, Huaykwang, Bangkok  
Thailand 10310

**P/O :**

**Project Name :** โครงการสวนอุตสาหกรรมปลวกแดง (โรจนะปลวกแดง/ระยอง2)

**Project Location:** WWTP

Page 1 of 2

<b>Sample Number</b>	2372171-1
<b>Sampled Date</b>	Jul 04, 2023 11:25 AM
<b>Sample Description</b>	Wastewater
<b>Location</b>	Collecting Tank
<b>Date Analysis Commenced</b>	Jul 04, 2023
<b>Condition of Sample</b>	Contained in two glass vials, one amber glass bottle and ten plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Metals Testing</b>							
<sup>[A]</sup> Aluminium	mg/L	0.003	0.005	0.25	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
<sup>[A]</sup> Iron	mg/L	0.003	0.005	0.77	≤10.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
<sup>[A]</sup> Silver	mg/L	0.0003	0.0005	Not Detected	≤1.00	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
<b>Microbiological Testing</b>							
<sup>[A]</sup> Fecal Coliform	MPN/100mL	-	-	24000.0	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B, E	Bangkok
<sup>[A]</sup> Total Coliform	MPN/100mL	-	-	33000.0	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B	Bangkok
<b>Water Testing</b>							
Ammonia Nitrogen *	mg/L	0.02	0.05	33.6	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-NH3 (D)	Rayong
Chloride as Cl *	mg/L	0.5	1	120	≤2000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Cl (D)	Rayong
Fluoride	mg/L	0.05	0.2	1.5	≤5.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-F (C)	Rayong

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Approved by

Dej Changchon  
Senior Manager

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## Analysis / Test Report

TESTING  
No.0042

**Client :** Rojana Industrial Management Co., Ltd.  
2034/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkok, Huaykwang, Bangkok  
Thailand 10310

**P/O :**

**Project Name :** โครงการสวนอุตสาหกรรมปลวกแดง (โรจนะปลวกแดง/ระยอง2)

**Project Location:** WWTP

**Lot ID: 2372171**

Date Received : Jul 04, 2023

Date Reported : Jul 11, 2023

Report Number : 2711732-3

Page 2 of 2

**Sample Number** 2372171-1  
**Sampled Date** Jul 04, 2023 11:25 AM  
**Sample Description** Wastewater  
**Location** Collecting Tank  
**Date Analysis Commenced** Jul 04, 2023  
**Condition of Sample** Contained in two glass vials, one amber glass bottle and ten plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Water Testing</b>							
Nitrate as N *	mg/L	0.015	0.05	5.10	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-NO3 (E)	Rayong

**Guideline :** Standard of Rojana Industrial park (Rayong 2), Criteria of wastewater drainage from the factory to central wastewater treatment plant.

**Sampling By :** Tanasit Wongsachai , Pattarapol Sawangjaitam

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.
- [A] Analysis conducted by ALS Laboratory Group (Thailand) Co.,Ltd. Bangkok Branch, DSS Accreditation No. 0009.
- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

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Dej Changchon  
Senior Manager

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## Analysis / Test Report

TESTING

No.0042

Lot ID: 2372171

Date Received : Jul 04, 2023

Date Reported : Jul 11, 2023

Report Number : 2711733-1

Client : Rojana Industrial Management Co., Ltd.

2034/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkapi, Huaykwang, Bangkok  
Thailand 10310

P/O :

Project Name : โครงการสวนอุตสาหกรรมปลวกแดง (โรจนะปลวกแดง/ระยอง2)

Project Location : WWTP

Page 1 of 2

Sample Number	2372171-2
Sampled Date	Jul 04, 2023 11:45 AM
Sample Description	Wastewater
Location	Holding Pond
Date Analysis Commenced	Jul 04, 2023
Condition of Sample	Contained in one BOD bottle, two glass vials, one amber glass bottle and ten plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Water Testing</b>							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	6.7	≤20	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	71	≤120	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Rayong
Color (at Original pH)	ADMI	-	5	11	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2120 F	Rayong
Color (at pH 7.0)	ADMI	-	5	9	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2120 F	Rayong
Cyanide as CN *	mg/L	0.001	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)	Rayong
Formaldehyde	mg/L	0.03	0.1	1.4	≤1.0	Wastewater analysis manual, Environmental Engineering Association of Thailand, 4th ed., 2004	Rayong
pH at 25 degree C *		-	-	10.2	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Rayong
Phenol	mg/L	0.005	0.01	Not Detected	≤1.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5530 D	Rayong
Residual Free Chlorine *	mg/L	-	0.1	<0.1	≤1.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Cl (F)	Rayong

Technical Management

*N. Banchongkit*

Narumon Banchongkit

Supervisor

ทะเบียนเลขที่ จ-323-จ-9445

Approved by

*D. Changchon*

Dej Changchon

Senior Manager

ทะเบียนเลขที่ จ-323-ค-9442

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## Analysis / Test Report

TESTING

No.0042

**Lot ID: 2372171**

Date Received : Jul 04, 2023

Date Reported : Jul 11, 2023

Report Number : 2711733-1

**Client :** Rojana Industrial Management Co., Ltd.

2034/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkapi, Huaykwang, Bangkok  
Thailand 10310

**P/O :**

**Project Name :** โครงการสวนอุตสาหกรรมปลวกแดง (โรจนะปลวกแดง/ระยอง2)

**Project Location:** WWTP

Page 2 of 2

<b>Sample Number</b>	2372171-2
<b>Sampled Date</b>	Jul 04, 2023 11:45 AM
<b>Sample Description</b>	Wastewater
<b>Location</b>	Holding Pond
<b>Date Analysis Commenced</b>	Jul 04, 2023
<b>Condition of Sample</b>	Contained in one BOD bottle, two glass vials, one amber glass bottle and ten plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Water Testing</b>							
Sulfide *	mg/L	-	0.5	<0.5	≤1.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-S2 (C, F)	Rayong
Temperature *	Degree C	-	-	33.4	≤40	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	388	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Rayong
Total Kjeldahl Nitrogen as N	mg/L	-	1.0	5.0	≤100	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Norg (C), part NH3 (D)	Rayong
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	38	≤50	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Rayong

**Guideline :** 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).

**Sampling By :** Tanasit Wongsachai ทะเบียนเลขที่ ว-323-จ-9460 , Pattarapol Sawangjaitam ทะเบียนเลขที่ ว-204-จ-0002

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

*N. Banchongkit*

Narumon Banchongkit  
Supervisor

ทะเบียนเลขที่ ว-323-จ-9445

Approved by

*D. Changchon*

Dej Changchon  
Senior Manager

ทะเบียนเลขที่ ว-323-ค-9442

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## Analysis / Test Report

TESTING

No.0009

Lot ID: 2372171

Date Received : Jul 04, 2023

Date Reported : Jul 11, 2023

Report Number : 2711733-2

Client : Rojana Industrial Management Co., Ltd.

2034/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkapi, Huaykwang, Bangkok  
Thailand 10310

P/O :

Project Name : โครงการสวนอุตสาหกรรมปลวกแดง (โรจนะปลวกแดง/ระยอง2)

Project Location : WWTP

Page 1 of 2

Sample Number	2372171-2
Sampled Date	Jul 04, 2023 11:45 AM
Sample Description	Wastewater
Location	Holding Pond
Date Analysis Commenced	Jul 05, 2023
Condition of Sample	Contained in one BOD bottle, two glass vials, one amber glass bottle and ten plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Metals Testing</b>							
Arsenic	mg/L	0.0003	0.0005	0.002	≤0.25	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Barium	mg/L	0.0003	0.0005	0.05	≤1.0	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	≤2.0	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	0.02	≤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

Technical Management

*Savitree N.*

Savitree Noisangiam  
Manager

ทะเบียนเลขที่ ว-204-จ-4709

Approved by

*Kanokkorn Anek*

Kanokkorn Anek  
Senior Manager

ทะเบียนเลขที่ ว-204-ค-6111

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## Analysis / Test Report

TESTING  
No.0009

**Client :** Rojana Industrial Management Co., Ltd.  
2034/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkapi, Huaykwang, Bangkok  
Thailand 10310

**P/O :**

**Project Name :** โครงการสวนอุตสาหกรรมปลวกแดง (โรจนะปลวกแดง/ระยอง2)

**Project Location:** WWTP

**Lot ID: 2372171**

Date Received : Jul 04, 2023

Date Reported : Jul 11, 2023

Report Number : 2711733-2

Page 2 of 2

<b>Sample Number</b>	2372171-2						
<b>Sampled Date</b>	Jul 04, 2023 11:45 AM						
<b>Sample Description</b>	Wastewater						
<b>Location</b>	Holding Pond						
<b>Date Analysis Commenced</b>	Jul 05, 2023						
<b>Condition of Sample</b>	Contained in one BOD bottle, two glass vials, one amber glass bottle and ten plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Metals Testing</b>							
Nickel	mg/L	0.0003	0.0005	0.05	≤1.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Selenium	mg/L	0.0003	0.0005	Not Detected	≤0.02	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Trivalent Chromium *	mg/L	-	0.01	<0.01	≤0.75	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Zinc	mg/L	0.003	0.005	0.05	≤5.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
<b>Water Testing</b>							
Oil & Grease *	mg/L	-	3	<3	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 D	Bangkok

**Guideline :** 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).

**Sampling By :** Tanasit Wongsachai ทะเบียนเลขที่ ว-323-จ-9460 , Pattarapol Sawangjaitam ทะเบียนเลขที่ ว-204-จ-0002

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 Noisangiam  
Manager

ทะเบียนเลขที่ ว-204-จ-4709

Approved by

*Kanokkorn Anek*

Kanokkorn Anek  
Senior Manager

ทะเบียนเลขที่ ว-204-ค-6111

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## Analysis / Test Report

TESTING

No.0042

**Lot ID: 2372171**

Date Received : Jul 04, 2023

Date Reported : Jul 11, 2023

Report Number : 2711733-3

**Client :** Rojana Industrial Management Co., Ltd.

2034/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkapi, Huaykwang, Bangkok  
Thailand 10310

**P/O :**

**Project Name :** โครงการสวนอุตสาหกรรมปลวกแดง (โรจนะปลวกแดง/ระยอง2)

**Project Location:** WWTP

Page 1 of 2

<b>Sample Number</b>	2372171-2						
<b>Sampled Date</b>	Jul 04, 2023 11:45 AM						
<b>Sample Description</b>	Wastewater						
<b>Location</b>	Holding Pond						
<b>Date Analysis Commenced</b>	Jul 04, 2023						
<b>Condition of Sample</b>	Contained in one BOD bottle, two glass vials, one amber glass bottle and ten plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Metals Testing</b>							
<sup>[A]</sup> Aluminium	mg/L	0.003	0.005	0.04	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
<sup>[A]</sup> Iron	mg/L	0.003	0.005	0.13	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
<sup>[A]</sup> Silver	mg/L	0.0003	0.0005	Not Detected	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
<b>Microbiological Testing</b>							
<sup>[A]</sup> Fecal Coliform	MPN/100mL	-	-	<1.8	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B, E	Bangkok
<sup>[A]</sup> Total Coliform	MPN/100mL	-	-	<1.8	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B	Bangkok
<b>Water Testing</b>							
Ammonia Nitrogen *	mg/L	0.02	0.05	0.32	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-NH3 (D)	Rayong
Chloride as Cl *	mg/L	0.5	1	116	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Cl (D)	Rayong
Dissolved Oxygen *	mg/L	-	0.1	9.9	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-O (C)	Rayong

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Approved by

Dej Changchon  
Senior Manager

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## Analysis / Test Report

TESTING  
No.0042

**Client :** Rojana Industrial Management Co., Ltd.  
2034/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkapi, Huaykwang, Bangkok  
Thailand 10310

**Lot ID: 2372171**

Date Received : Jul 04, 2023

Date Reported : Jul 11, 2023

Report Number : 2711733-3

**P/O :**

**Project Name :** โครงการสวนอุตสาหกรรมปลวกแดง (โรจนะปลวกแดง/ระยอง2)

**Project Location:** WWTP

Page 2 of 2

<b>Sample Number</b>	2372171-2
<b>Sampled Date</b>	Jul 04, 2023 11:45 AM
<b>Sample Description</b>	Wastewater
<b>Location</b>	Holding Pond
<b>Date Analysis Commenced</b>	Jul 04, 2023
<b>Condition of Sample</b>	Contained in one BOD bottle, two glass vials, one amber glass bottle and ten plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Water Testing</b>							
Fluoride	mg/L	0.05	0.2	1.2	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-F (C)	Rayong

**Guideline :** 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).

**Sampling By :** Tanasit Wongsachai , Pattarapol Sawangjaitam

Remark :

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
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- [A] Analysis conducted by ALS Laboratory Group (Thailand) Co.,Ltd. Bangkok Branch, DSS Accreditation No. 0009.
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## Analysis / Test Report

**Client :** Rojana Industrial Management Co., Ltd.  
2034/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkok, Huaykwang, Bangkok  
Thailand 10310

**P/O :**

**Project Name :** โครงการสวนอุตสาหกรรมปลวกแดง (โรงงานปลวกแดง/ระยอง2)

**Project Location :** WWTP

**Lot ID: 2372171**

Date Received : Jul 04, 2023

Date Reported : Jul 11, 2023

Report Number : 2711734-1

Page 1 of 1

<b>Sample Number</b>	2372171-3
<b>Sampled Date</b>	Jul 04, 2023 11:35 AM
<b>Sample Description</b>	Wastewater
<b>Location</b>	Aeration Tank
<b>Date Analysis Commenced</b>	Jul 05, 2023
<b>Condition of Sample</b>	Contained in two plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
<b>Water Testing</b>						
Mixed Liqour Suspended Solids	mg/L	-	5	341	In-house method based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Rayong
Sludge Volume Index	mL/g	-	5	15	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2170 D	Rayong
SV30	mL/L	-	2	5	In-house method based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2170 C	Rayong

**Sampling By :** Tanasit Wongsachai , Pattarapol Sawangjaitam

Remark :

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

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Approved by

*N. Banchongkit*

Narumon Banchongkit  
Supervisor

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## Analysis / Test Report

TESTING

No.0042

**Lot ID: 2380633**

Date Received : Aug 04, 2023

Date Reported : Aug 11, 2023

Report Number : 2743919-1

**Client :** Rojana Industrial Management Co., Ltd.

2034/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkapi, Huaykwang, Bangkok  
Thailand 10310

**P/O :**

**Project Name :** โครงการสวนอุตสาหกรรมปลวกแดง (โรจนะปลวกแดง/ระยอง2)

**Project Location:** WWTP

Page 1 of 2

<b>Sample Number</b>	2380633-1
<b>Sampled Date</b>	Aug 04, 2023 10:31 AM
<b>Sample Description</b>	Wastewater
<b>Location</b>	Collecting Tank
<b>Date Analysis Commenced</b>	Aug 04, 2023
<b>Condition of Sample</b>	Contained in two glass vials, one amber glass bottle and ten plastic bottles. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Water Testing</b>							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	13.9	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	52	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Rayong
Color (at Original pH)	ADMI	-	5	102	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2120 F	Rayong
Color (at pH 7.0)	ADMI	-	5	99	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2120 F	Rayong
Cyanide as CN *	mg/L	0.001	0.005	0.007	≤0.2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-CN (C, E)	Rayong
Formaldehyde	mg/L	0.03	0.1	0.2	≤1.0	Wastewater analysis manual, Environmental Engineering Association of Thailand, 4th ed., 2004	Rayong
pH at 25 degree C *		-	-	8.1	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Rayong
Phenol	mg/L	0.005	0.01	<0.010	≤1	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5530 D	Rayong
Residual Free Chlorine *	mg/L	-	0.1	<0.1	≤1	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Cl (F)	Rayong

**Technical Management**

*N. Banongkit*

Narumon Banchongkit  
Supervisor

ทะเบียนเลขที่ ว-323-จ-9445

**Approved by**

*D. Changchon*

Dej Changchon  
Senior Manager

ทะเบียนเลขที่ ว-323-ค-9442

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## Analysis / Test Report

TESTING

No.0042

**Lot ID: 2380633**

Date Received : Aug 04, 2023

Date Reported : Aug 11, 2023

Report Number : 2743919-1

**Client :** Rojana Industrial Management Co., Ltd.

2034/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkapi, Huaykwang, Bangkok  
Thailand 10310

**P/O :**

**Project Name :** โครงการสวนอุตสาหกรรมปลวกแดง (โรจนะปลวกแดง/ระยอง2)

**Project Location:** WWTP

Page 2 of 2

<b>Sample Number</b>	2380633-1
<b>Sampled Date</b>	Aug 04, 2023 10:31 AM
<b>Sample Description</b>	Wastewater
<b>Location</b>	Collecting Tank
<b>Date Analysis Commenced</b>	Aug 04, 2023
<b>Condition of Sample</b>	Contained in two glass vials, one amber glass bottle and ten plastic bottles. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Water Testing</b>							
Sulfide *	mg/L	-	0.5	<0.5	≤1	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-S2 (C, F)	Rayong
Temperature *	Degree C	-	-	30.3	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	612	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Rayong
Total Kjeldahl Nitrogen as N	mg/L	-	1.0	43.2	≤100	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Norg (C), part NH3 (D)	Rayong
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	Rayong

**Guideline :** Standard of Rojana Industrial park (Rayong 2), Criteria of wastewater drainage from the factory to central wastewater treatment plant.

**Sampling By :** Tanasit Wongsachai ทะเบียนเลขที่ ว-323-จ-9460 , Samart Khumphlee ทะเบียนเลขที่ ว-204-จ-7830

**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**

*N. Banchongkit*

Narumon Banchongkit  
Supervisor

ทะเบียนเลขที่ ว-323-จ-9445

**Approved by**

*D. Changchon*

Dej Changchon  
Senior Manager

ทะเบียนเลขที่ ว-323-ค-9442

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## Analysis / Test Report

TESTING

No.0009

**Lot ID: 2380633**

Date Received : Aug 04, 2023

Date Reported : Aug 11, 2023

Report Number : 2743919-2

**Client :** Rojana Industrial Management Co., Ltd.

2034/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkapi, Huaykwang, Bangkok  
Thailand 10310

**P/O :**

**Project Name :** โครงการสวนอุตสาหกรรมปลวกแดง (โรจนะปลวกแดง/ระยอง2)

**Project Location:** WWTP

Page 1 of 2

**Sample Number** 2380633-1  
**Sampled Date** Aug 04, 2023 10:31 AM  
**Sample Description** Wastewater  
**Location** Collecting Tank  
**Date Analysis Commenced** Aug 07, 2023  
**Condition of Sample** Contained in two glass vials, one amber glass bottle and ten plastic bottles. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Metals Testing</b>							
Arsenic	mg/L	0.0003	0.0005	0.007	≤0.25	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Barium	mg/L	0.0003	0.0005	0.07	≤1.00	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	≤2.00	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	≤0.20	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	0.13	≤5.00	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

**Technical Management**

Siriluk P.

Siriluk Puengpang

Section Head

ทะเบียนเลขที่ ว-204-จ-4720

**Approved by**

Kanokkorn Anek

Senior Manager

ทะเบียนเลขที่ ว-204-ค-6111

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## Analysis / Test Report

TESTING  
No.0009

**Client :** Rojana Industrial Management Co., Ltd.  
2034/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkapi, Huaykwang, Bangkok  
Thailand 10310

**P/O :**

**Project Name :** โครงการสวนอุตสาหกรรมปลวกแดง (โรจนะปลวกแดง/ระยอง2)

**Project Location:** WWTP

**Lot ID: 2380633**

Date Received : Aug 04, 2023

Date Reported : Aug 11, 2023

Report Number : 2743919-2

Page 2 of 2

<b>Sample Number</b>	2380633-1						
<b>Sampled Date</b>	Aug 04, 2023 10:31 AM						
<b>Sample Description</b>	Wastewater						
<b>Location</b>	Collecting Tank						
<b>Date Analysis Commenced</b>	Aug 07, 2023						
<b>Condition of Sample</b>	Contained in two glass vials, one amber glass bottle and ten plastic bottles. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Metals Testing</b>							
Nickel	mg/L	0.0003	0.0005	0.02	≤1.00	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Selenium	mg/L	0.0003	0.0005	Not Detected	≤0.02	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Trivalent Chromium *	mg/L	-	0.01	<0.01	≤0.75	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Zinc	mg/L	0.003	0.005	0.07	≤5.00	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
<b>Water Testing</b>							
Oil & Grease *	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 D	Bangkok

**Guideline :** Standard of Rojana Industrial park (Rayong 2), Criteria of wastewater drainage from the factory to central wastewater treatment plant.

**Sampling By :** Tanasit Wongsachai ทะเบียนเลขที่ ว-323-จ-9460 , Samart Khumphlee ทะเบียนเลขที่ ว-204-จ-7830

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 Puengpang  
Section Head

ทะเบียนเลขที่ ว-204-จ-4720

Approved by

Kanokkorn Anek

Kanokkorn Anek  
Senior Manager

ทะเบียนเลขที่ ว-204-ค-6111

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## Analysis / Test Report

TESTING

No.0042

**Lot ID: 2380633**

Date Received : Aug 04, 2023

Date Reported : Aug 11, 2023

Report Number : 2743919-3

**Client :** Rojana Industrial Management Co., Ltd.

2034/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkapi, Huaykwang, Bangkok  
Thailand 10310

**P/O :**

**Project Name :** โครงการสวนอุตสาหกรรมปลวกแดง (โรจนะปลวกแดง/ระยอง2)

**Project Location:** WWTP

Page 1 of 2

<b>Sample Number</b>	2380633-1
<b>Sampled Date</b>	Aug 04, 2023 10:31 AM
<b>Sample Description</b>	Wastewater
<b>Location</b>	Collecting Tank
<b>Date Analysis Commenced</b>	Aug 05, 2023
<b>Condition of Sample</b>	Contained in two glass vials, one amber glass bottle and ten plastic bottles. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Metals Testing</b>							
<sup>[A]</sup> Aluminium	mg/L	0.003	0.005	0.24	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
<sup>[A]</sup> Iron	mg/L	0.003	0.005	1.44	≤10.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
<sup>[A]</sup> Silver	mg/L	0.0003	0.0005	Not Detected	≤1.00	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
<b>Microbiological Testing</b>							
<sup>[A]</sup> Fecal 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, E	Bangkok
<sup>[A]</sup> Total Coliform	MPN/100mL	-	-	79000.0	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B	Bangkok
<b>Water Testing</b>							
Ammonia Nitrogen *	mg/L	0.02	0.05	40.1	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-NH3 (D)	Rayong
Chloride as Cl *	mg/L	0.5	1	67	≤2000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Cl (D)	Rayong
Fluoride	mg/L	0.05	0.2	0.3	≤5.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-F (C)	Rayong

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Approved by

*N. Banchongkit*

Narumon Banchongkit  
Supervisor

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## Analysis / Test Report

TESTING  
No.0042

**Client :** Rojana Industrial Management Co., Ltd.  
2034/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkok, Huaykwang, Bangkok  
Thailand 10310

**P/O :**

**Project Name :** โครงการสวนอุตสาหกรรมปลวกแดง (โรจนะปลวกแดง/ระยอง2)

**Project Location:** WWTP

**Lot ID: 2380633**

Date Received : Aug 04, 2023

Date Reported : Aug 11, 2023

Report Number : 2743919-3

Page 2 of 2

**Sample Number** 2380633-1  
**Sampled Date** Aug 04, 2023 10:31 AM  
**Sample Description** Wastewater  
**Location** Collecting Tank  
**Date Analysis Commenced** Aug 05, 2023  
**Condition of Sample** Contained in two glass vials, one amber glass bottle and ten plastic bottles. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Water Testing</b>							
Nitrate as N *	mg/L	0.015	0.05	0.40	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-NO3 (E)	Rayong

**Guideline :** Standard of Rojana Industrial park (Rayong 2), Criteria of wastewater drainage from the factory to central wastewater treatment plant.

**Sampling By :** Tanasit Wongsachai , Samart Khumphlee

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.
- [A] Analysis conducted by ALS Laboratory Group (Thailand) Co.,Ltd. Bangkok Branch, DSS Accreditation No. 0009.
- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

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*N. Banchongkit*

Narumon Banchongkit  
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## Analysis / Test Report

TESTING

No.0042

**Lot ID: 2380633**

Date Received : Aug 04, 2023

Date Reported : Aug 11, 2023

Report Number : 2743920-1

**Client :** Rojana Industrial Management Co., Ltd.

2034/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkapi, Huaykwang, Bangkok  
Thailand 10310

**P/O :**

**Project Name :** โครงการสวนอุตสาหกรรมปลวกแดง (โรจนะปลวกแดง/ระยอง2)

**Project Location:** WWTP

Page 1 of 2

<b>Sample Number</b>	2380633-2
<b>Sampled Date</b>	Aug 04, 2023 10:51 AM
<b>Sample Description</b>	Wastewater
<b>Location</b>	Holding Pond
<b>Date Analysis Commenced</b>	Aug 04, 2023
<b>Condition of Sample</b>	Contained in two glass vials, one amber glass bottle, one BOD bottle and ten plastic bottles. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Water Testing</b>							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	6.5	≤20	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	35	≤120	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Rayong
Color (at Original pH)	ADMI	-	5	21	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2120 F	Rayong
Color (at pH 7.0)	ADMI	-	5	20	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2120 F	Rayong
Cyanide as CN *	mg/L	0.001	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)	Rayong
Formaldehyde	mg/L	0.03	0.1	1.4	≤1.0	Wastewater analysis manual, Environmental Engineering Association of Thailand, 4th ed., 2004	Rayong
pH at 25 degree C *		-	-	10.4	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Rayong
Phenol	mg/L	0.005	0.01	Not Detected	≤1.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5530 D	Rayong
Residual Free Chlorine *	mg/L	-	0.1	<0.1	≤1.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Cl (F)	Rayong

**Technical Management**

*N. Banongkit*

Narumon Banchongkit

Supervisor

ทะเบียนเลขที่ ว-323-จ-9445

**Approved by**

*D. Changchon*

Dej Changchon

Senior Manager

ทะเบียนเลขที่ ว-323-ค-9442

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## Analysis / Test Report

TESTING

No.0042

**Lot ID: 2380633**

Date Received : Aug 04, 2023

Date Reported : Aug 11, 2023

Report Number : 2743920-1

**Client :** Rojana Industrial Management Co., Ltd.

2034/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkapi, Huaykwang, Bangkok  
Thailand 10310

**P/O :**

**Project Name :** โครงการสวนอุตสาหกรรมปลวกแดง (โรจนะปลวกแดง/ระยอง2)

**Project Location:** WWTP

Page 2 of 2

<b>Sample Number</b>	2380633-2						
<b>Sampled Date</b>	Aug 04, 2023 10:51 AM						
<b>Sample Description</b>	Wastewater						
<b>Location</b>	Holding Pond						
<b>Date Analysis Commenced</b>	Aug 04, 2023						
<b>Condition of Sample</b>	Contained in two glass vials, one amber glass bottle, one BOD bottle and ten plastic bottles. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Water Testing</b>							
Sulfide *	mg/L	-	0.5	<0.5	≤1.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-S2 (C, F)	Rayong
Temperature *	Degree C	-	-	31.3	≤40	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	452	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Rayong
Total Kjeldahl Nitrogen as N	mg/L	-	1.0	3.0	≤100	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Norg (C), part NH3 (D)	Rayong
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	18	≤50	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Rayong

**Guideline :** 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).

**Sampling By :** Tanasit Wongsachai ทะเบียนเลขที่ ว-323-จ-9460 , Samart Khumphlee ทะเบียนเลขที่ ว-204-จ-7830

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

*N. Banchongkit*

Narumon Banchongkit  
Supervisor

ทะเบียนเลขที่ ว-323-จ-9445

Approved by

*D. Changchon*

Dej Changchon  
Senior Manager

ทะเบียนเลขที่ ว-323-ค-9442

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## Analysis / Test Report

TESTING

No.0009

**Lot ID: 2380633**

Date Received : Aug 04, 2023

Date Reported : Aug 11, 2023

Report Number : 2743920-2

**Client :** Rojana Industrial Management Co., Ltd.

2034/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkapi, Huaykwang, Bangkok  
Thailand 10310

**P/O :**

**Project Name :** โครงการสวนอุตสาหกรรมปลวกแดง (โรจนะปลวกแดง/ระยอง2)

**Project Location:** WWTP

Page 1 of 2

**Sample Number** 2380633-2  
**Sampled Date** Aug 04, 2023 10:51 AM  
**Sample Description** Wastewater  
**Location** Holding Pond  
**Date Analysis Commenced** Aug 07, 2023  
**Condition of Sample** Contained in two glass vials, one amber glass bottle, one BOD bottle and ten plastic bottles. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Metals Testing</b>							
Arsenic	mg/L	0.0003	0.0005	0.002	≤0.25	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Barium	mg/L	0.0003	0.0005	0.05	≤1.0	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	0.001	≤2.0	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	0.03	≤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

**Technical Management**

*Siriluk P.*

Siriluk Puengpang

Section Head

ทะเบียนเลขที่ ว-204-จ-4720

**Approved by**

*Kanokkorn Anek*

Kanokkorn Anek

Senior Manager

ทะเบียนเลขที่ ว-204-ค-6111

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## Analysis / Test Report

TESTING  
No.0009

**Client :** Rojana Industrial Management Co., Ltd.  
2034/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkapi, Huaykwang, Bangkok  
Thailand 10310

**P/O :**

**Project Name :** โครงการสวนอุตสาหกรรมปลวกแดง (โรจนะปลวกแดง/ระยอง2)

**Project Location:** WWTP

**Lot ID: 2380633**

Date Received : Aug 04, 2023

Date Reported : Aug 11, 2023

Report Number : 2743920-2

Page 2 of 2

<b>Sample Number</b>	2380633-2						
<b>Sampled Date</b>	Aug 04, 2023 10:51 AM						
<b>Sample Description</b>	Wastewater						
<b>Location</b>	Holding Pond						
<b>Date Analysis Commenced</b>	Aug 07, 2023						
<b>Condition of Sample</b>	Contained in two glass vials, one amber glass bottle, one BOD bottle and ten plastic bottles. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Metals Testing</b>							
Nickel	mg/L	0.0003	0.0005	0.04	≤1.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Selenium	mg/L	0.0003	0.0005	Not Detected	≤0.02	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Trivalent Chromium *	mg/L	-	0.01	<0.01	≤0.75	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Zinc	mg/L	0.003	0.005	0.01	≤5.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
<b>Water Testing</b>							
Oil & Grease *	mg/L	-	3	<3	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 D	Bangkok

**Guideline :** 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).

**Sampling By :** Tanasit Wongsachai ทะเบียนเลขที่ ว-323-จ-9460 , Samart Khumphlee ทะเบียนเลขที่ ว-204-จ-7830

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 Puengpang

Section Head

ทะเบียนเลขที่ ว-204-จ-4720

Approved by

Kanokkorn Anek

Senior Manager

ทะเบียนเลขที่ ว-204-ค-6111

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## Analysis / Test Report

TESTING

No.0042

**Lot ID: 2380633**

Date Received : Aug 04, 2023

Date Reported : Aug 11, 2023

Report Number : 2743920-3

**Client :** Rojana Industrial Management Co., Ltd.

2034/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkapi, Huaykwang, Bangkok  
Thailand 10310

**P/O :**

**Project Name :** โครงการสวนอุตสาหกรรมปลวกแดง (โรจนะปลวกแดง/ระยอง2)

**Project Location:** WWTP

Page 1 of 2

<b>Sample Number</b>	2380633-2
<b>Sampled Date</b>	Aug 04, 2023 10:51 AM
<b>Sample Description</b>	Wastewater
<b>Location</b>	Holding Pond
<b>Date Analysis Commenced</b>	Aug 05, 2023
<b>Condition of Sample</b>	Contained in two glass vials, one amber glass bottle, one BOD bottle and ten plastic bottles. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Metals Testing</b>							
<sup>[A]</sup> Aluminium	mg/L	0.003	0.005	0.03	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
<sup>[A]</sup> Iron	mg/L	0.003	0.005	0.03	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
<sup>[A]</sup> Silver	mg/L	0.0003	0.0005	Not Detected	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
<b>Microbiological Testing</b>							
<sup>[A]</sup> Fecal Coliform	MPN/100mL	-	-	<1.8	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B, E	Bangkok
<sup>[A]</sup> Total Coliform	MPN/100mL	-	-	<1.8	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B	Bangkok
<b>Water Testing</b>							
Ammonia Nitrogen *	mg/L	0.02	0.05	0.15	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-NH3 (D)	Rayong
Chloride as Cl *	mg/L	0.5	1	82	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Cl (D)	Rayong
Dissolved Oxygen *	mg/L	-	0.1	9.6	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-O (C)	Rayong

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Approved by

*N. Banchongkit*

Narumon Banchongkit  
Supervisor

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## Analysis / Test Report

TESTING  
No.0042

**Client :** Rojana Industrial Management Co., Ltd.  
2034/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkapi, Huaykwang, Bangkok  
Thailand 10310

**Lot ID: 2380633**

Date Received : Aug 04, 2023

Date Reported : Aug 11, 2023

Report Number : 2743920-3

**P/O :**

**Project Name :** โครงการสวนอุตสาหกรรมปลวกแดง (โรจนะปลวกแดง/ระยอง2)

**Project Location:** WWTP

Page 2 of 2

<b>Sample Number</b>	2380633-2
<b>Sampled Date</b>	Aug 04, 2023 10:51 AM
<b>Sample Description</b>	Wastewater
<b>Location</b>	Holding Pond
<b>Date Analysis Commenced</b>	Aug 05, 2023
<b>Condition of Sample</b>	Contained in two glass vials, one amber glass bottle, one BOD bottle and ten plastic bottles. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Water Testing</b>							
Fluoride	mg/L	0.05	0.2	1.0	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-F (C)	Rayong

**Guideline :** 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).

**Sampling By :** Tanasit Wongsachai , Samart Khumphlee

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.
- [A] Analysis conducted by ALS Laboratory Group (Thailand) Co.,Ltd. Bangkok Branch, DSS Accreditation No. 0009.
- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

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*N. Banchoangkit*

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## Analysis / Test Report

**Client :** Rojana Industrial Management Co., Ltd.  
2034/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkok, Huaykwang, Bangkok  
Thailand 10310

**P/O :**

**Project Name :** โครงการสวนอุตสาหกรรมปลวกแดง (โรงงานปลวกแดง/ระยอง2)

**Project Location :** WWTP

**Lot ID: 2380633**

Date Received : Aug 04, 2023

Date Reported : Aug 11, 2023

Report Number : 2743921-1

Page 1 of 1

<b>Sample Number</b>	2380633-3
<b>Sampled Date</b>	Aug 04, 2023 10:40 AM
<b>Sample Description</b>	Wastewater
<b>Location</b>	Aeration Tank
<b>Date Analysis Commenced</b>	Aug 05, 2023
<b>Condition of Sample</b>	Contained in two plastic bottles. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
<b>Water Testing</b>						
Mixed Liquor Suspended Solids	mg/L	-	5	475	In-house method based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Rayong
Sludge Volume Index	mL/g	-	5	23	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2170 D	Rayong
SV30	mL/L	-	2	11	In-house method based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2170 C	Rayong

**Sampling By :** Tanasit Wongsachai , Samart Khumphlee

Remark :

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

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## Analysis / Test Report

TESTING

No.0042

**Lot ID: 2396778**

Date Received : Sep 04, 2023

Date Reported : Sep 11, 2023

Report Number : 2772879-1

**Client :** Rojana Industrial Management Co., Ltd.

2034/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkapi, Huaykwang, Bangkok  
Thailand 10310

**P/O :**

**Project Name :** โครงการสวนอุตสาหกรรมปลวกแดง (โรจนะปลวกแดง/ระยอง2)

**Project Location:** WWTP

Page 1 of 2

<b>Sample Number</b>	2396778-1
<b>Sampled Date</b>	Sep 04, 2023 9:50 AM
<b>Sample Description</b>	Wastewater
<b>Location</b>	WWTP : Collecting Tank
<b>Date Analysis Commenced</b>	Sep 04, 2023
<b>Condition of Sample</b>	Contained in two glass vials, one amber glass bottle and ten plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Water Testing</b>							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	97.7	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	176	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Rayong
Color (at Original pH)	ADMI	-	5	109	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2120 F	Rayong
Color (at pH 7.0)	ADMI	-	5	107	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2120 F	Rayong
Cyanide as CN *	mg/L	0.001	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)	Rayong
Formaldehyde	mg/L	0.03	0.1	0.2	≤1.0	Wastewater analysis manual, Environmental Engineering Association of Thailand, 4th ed., 2004	Rayong
pH at 25 degree C *		-	-	7.3	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Rayong
Phenol	mg/L	0.005	0.01	Not Detected	≤1	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5530 D	Rayong
Residual Free Chlorine *	mg/L	-	0.1	<0.1	≤1	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Cl (F)	Rayong

**Technical Management**

*N. Banongkit*

Narumon Banchongkit

Supervisor

ทะเบียนเลขที่ จ-323-จ-9445

**Approved by**

*D. Changchon*

Dej Changchon

Senior Manager

ทะเบียนเลขที่ จ-323-ค-9442

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## Analysis / Test Report

TESTING

No.0042

**Lot ID: 2396778**

Date Received : Sep 04, 2023

Date Reported : Sep 11, 2023

Report Number : 2772879-1

**Client :** Rojana Industrial Management Co., Ltd.

2034/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkapi, Huaykwang, Bangkok  
Thailand 10310

**P/O :**

**Project Name :** โครงการสวนอุตสาหกรรมปลวกแดง (โรจนะปลวกแดง/ระยอง2)

**Project Location:** WWTP

Page 2 of 2

<b>Sample Number</b>	2396778-1
<b>Sampled Date</b>	Sep 04, 2023 9:50 AM
<b>Sample Description</b>	Wastewater
<b>Location</b>	WWTP : Collecting Tank
<b>Date Analysis Commenced</b>	Sep 04, 2023
<b>Condition of Sample</b>	Contained in two glass vials, one amber glass bottle and ten plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Water Testing</b>							
Sulfide *	mg/L	-	0.5	<0.5	≤1	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-S2 (C, F)	Rayong
Temperature *	Degree C	-	-	31.2	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	1070	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Rayong
Total Kjeldahl Nitrogen as N	mg/L	-	1.0	61.4	≤100	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Norg (C), part NH3 (D)	Rayong
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	72	≤200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Rayong

**Guideline :** Standard of Rojana Industrial park (Rayong 2), Criteria of wastewater drainage from the factory to central wastewater treatment plant.

**Sampling By :** Paramet Sattayakun ทะเบียนเลขที่ ว-323-จ-9476 , Pattarapol Sawangjaitam ทะเบียนเลขที่ ว-204-จ-0002

**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**

*N. Banchongkit*

Narumon Banchongkit  
Supervisor

ทะเบียนเลขที่ ว-323-จ-9445

**Approved by**

*D. Changchon*

Dej Changchon  
Senior Manager

ทะเบียนเลขที่ ว-323-ค-9442

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## Analysis / Test Report

TESTING

No.0009

Lot ID: 2396778

Date Received : Sep 04, 2023

Date Reported : Sep 11, 2023

Report Number : 2772879-2

Client : Rojana Industrial Management Co., Ltd.

2034/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkapi, Huaykwang, Bangkok  
Thailand 10310

P/O :

Project Name : โครงการสวนอุตสาหกรรมปลวกแดง (โรจนะปลวกแดง/ระยอง2)

Project Location : WWTP

Page 1 of 2

Sample Number	2396778-1
Sampled Date	Sep 04, 2023 9:50 AM
Sample Description	Wastewater
Location	WWTP : Collecting Tank
Date Analysis Commenced	Sep 05, 2023
Condition of Sample	Contained in two glass vials, one amber glass bottle and ten plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Metals Testing</b>							
Arsenic	mg/L	0.0003	0.0005	0.008	≤0.25	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Barium	mg/L	0.0003	0.0005	0.10	≤1.00	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	≤2.00	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	≤0.20	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	0.12	≤5.00	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

Technical Management

*Sawitree N.*

Sawitree Noisangiam  
Manager

ทะเบียนเลขที่ ว-204-จ-4709

Approved by

*Kanokkorn Anek*

Kanokkorn Anek  
Senior Manager

ทะเบียนเลขที่ ว-204-ค-6111

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## Analysis / Test Report

TESTING

No.0009

**Lot ID: 2396778**

Date Received : Sep 04, 2023

Date Reported : Sep 11, 2023

Report Number : 2772879-2

**Client :** Rojana Industrial Management Co., Ltd.

2034/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkapi, Huaykwang, Bangkok  
Thailand 10310

**P/O :**

**Project Name :** โครงการสวนอุตสาหกรรมปลวกแดง (โรจนะปลวกแดง/ระยอง2)

**Project Location:** WWTP

Page 2 of 2

<b>Sample Number</b>	2396778-1
<b>Sampled Date</b>	Sep 04, 2023 9:50 AM
<b>Sample Description</b>	Wastewater
<b>Location</b>	WWTP : Collecting Tank
<b>Date Analysis Commenced</b>	Sep 05, 2023
<b>Condition of Sample</b>	Contained in two glass vials, one amber glass bottle and ten plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Metals Testing</b>							
Nickel	mg/L	0.0003	0.0005	0.02	≤1.00	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Selenium	mg/L	0.0003	0.0005	0.0008	≤0.02	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Trivalent Chromium *	mg/L	-	0.01	<0.01	≤0.75	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Zinc	mg/L	0.003	0.005	0.14	≤5.00	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
<b>Water Testing</b>							
Oil & Grease *	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 D	Bangkok

**Guideline :** Standard of Rojana Industrial park (Rayong 2), Criteria of wastewater drainage from the factory to central wastewater treatment plant.

**Sampling By :** Paramet Sattayakun ทะเบียนเลขที่ ว-323-จ-9476 , Pattarapol Sawangjaitam ทะเบียนเลขที่ ว-204-จ-0002

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

*Sawitree N.*

Sawitree Noisangiam  
Manager

ทะเบียนเลขที่ ว-204-จ-4709

Approved by

*Kanokkorn Anek*

Kanokkorn Anek  
Senior Manager

ทะเบียนเลขที่ ว-204-ค-6111

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## Analysis / Test Report

TESTING

No.0042

**Lot ID: 2396778**

Date Received : Sep 04, 2023

Date Reported : Sep 11, 2023

Report Number : 2772879-3

**Client :** Rojana Industrial Management Co., Ltd.

2034/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkapi, Huaykwang, Bangkok  
Thailand 10310

**P/O :**

**Project Name :** โครงการสวนอุตสาหกรรมปลวกแดง (โรจนะปลวกแดง/ระยอง2)

**Project Location:** WWTP

Page 1 of 2

<b>Sample Number</b>	2396778-1
<b>Sampled Date</b>	Sep 04, 2023 9:50 AM
<b>Sample Description</b>	Wastewater
<b>Location</b>	WWTP : Collecting Tank
<b>Date Analysis Commenced</b>	Sep 04, 2023
<b>Condition of Sample</b>	Contained in two glass vials, one amber glass bottle and ten plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Metals Testing</b>							
<sup>[A]</sup> Aluminium	mg/L	0.003	0.005	0.08	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
<sup>[A]</sup> Iron	mg/L	0.003	0.005	0.34	≤10.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
<sup>[A]</sup> Silver	mg/L	0.0003	0.0005	Not Detected	≤1.00	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
<b>Microbiological Testing</b>							
<sup>[A]</sup> Fecal Coliform	MPN/100mL	-	-	24000.0	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B, E	Bangkok
<sup>[A]</sup> Total Coliform	MPN/100mL	-	-	33000.0	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B	Bangkok
<b>Water Testing</b>							
Ammonia Nitrogen *	mg/L	0.02	0.05	34.8	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-NH3 (D)	Rayong
Chloride as Cl *	mg/L	0.5	1	146	≤2000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Cl (D)	Rayong
Fluoride	mg/L	0.05	0.2	0.3	≤5.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-F (C)	Rayong

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Approved by

*N. Banchongkit*

Narumon Banchongkit  
Supervisor

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## Analysis / Test Report

TESTING  
No.0042

**Client :** Rojana Industrial Management Co., Ltd.  
2034/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkok, Huaykwang, Bangkok  
Thailand 10310

**P/O :**

**Project Name :** โครงการสวนอุตสาหกรรมปลวกแดง (โรจนะปลวกแดง/ระยอง2)

**Project Location:** WWTP

**Lot ID: 2396778**

Date Received : Sep 04, 2023

Date Reported : Sep 11, 2023

Report Number : 2772879-3

Page 2 of 2

**Sample Number** 2396778-1  
**Sampled Date** Sep 04, 2023 9:50 AM  
**Sample Description** Wastewater  
**Location** WWTP : Collecting Tank  
**Date Analysis Commenced** Sep 04, 2023  
**Condition of Sample** Contained in two glass vials, one amber glass bottle and ten plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Water Testing</b>							
Nitrate as N *	mg/L	0.015	0.05	33.0	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-NO3 (E)	Rayong

**Guideline :** Standard of Rojana Industrial park (Rayong 2), Criteria of wastewater drainage from the factory to central wastewater treatment plant.

**Sampling By :** Paramet Sattayakun , Pattarapol Sawangjaitam

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.
- [A] Analysis conducted by ALS Laboratory Group (Thailand) Co.,Ltd. Bangkok Branch, DSS Accreditation No. 0009.
- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

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Approved by

N. Banchongkit

Narumon Banchongkit  
Supervisor

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## Analysis / Test Report

TESTING

No.0042

Lot ID: 2396778

Date Received : Sep 04, 2023

Date Reported : Sep 11, 2023

Report Number : 2772880-1

Client : Rojana Industrial Management Co., Ltd.

2034/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkapi, Huaykwang, Bangkok  
Thailand 10310

P/O :

Project Name : โครงการสวนอุตสาหกรรมปลวกแดง (โรจนะปลวกแดง/ระยอง2)

Project Location : WWTP

Page 1 of 2

Sample Number	2396778-2
Sampled Date	Sep 04, 2023 10:10 AM
Sample Description	Wastewater
Location	Polishing Pond
Date Analysis Commenced	Sep 04, 2023
Condition of Sample	Contained in one BOD bottle, two glass vials, one amber glass bottle and ten plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Water Testing</b>							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	<2.0	≤20	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	38	≤120	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Rayong
Color (at Original pH)	ADMI	-	5	16	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2120 F	Rayong
Color (at pH 7.0)	ADMI	-	5	15	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2120 F	Rayong
Cyanide as CN *	mg/L	0.001	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)	Rayong
Formaldehyde	mg/L	0.03	0.1	2.0	≤1.0	Wastewater analysis manual, Environmental Engineering Association of Thailand, 4th ed., 2004	Rayong
pH at 25 degree C *		-	-	7.8	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Rayong
Phenol	mg/L	0.005	0.01	Not Detected	≤1.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5530 D	Rayong
Residual Free Chlorine *	mg/L	-	0.1	<0.1	≤1.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Cl (F)	Rayong

Technical Management

*N. Banongkit*

Narumon Banchongkit

Supervisor

ทะเบียนเลขที่ ว-323-จ-9445

Approved by

*D. Changchon*

Dej Changchon

Senior Manager

ทะเบียนเลขที่ ว-323-ค-9442

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## Analysis / Test Report

TESTING

No.0042

**Lot ID: 2396778**

Date Received : Sep 04, 2023

Date Reported : Sep 11, 2023

Report Number : 2772880-1

**Client :** Rojana Industrial Management Co., Ltd.

2034/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkapi, Huaykwang, Bangkok  
Thailand 10310

**P/O :**

**Project Name :** โครงการสวนอุตสาหกรรมปลวกแดง (โรจนะปลวกแดง/ระยอง2)

**Project Location:** WWTP

Page 2 of 2

<b>Sample Number</b>	2396778-2
<b>Sampled Date</b>	Sep 04, 2023 10:10 AM
<b>Sample Description</b>	Wastewater
<b>Location</b>	Polishing Pond
<b>Date Analysis Commenced</b>	Sep 04, 2023
<b>Condition of Sample</b>	Contained in one BOD bottle, two glass vials, one amber glass bottle and ten plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Water Testing</b>							
Sulfide *	mg/L	-	0.5	<0.5	≤1.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-S2 (C, F)	Rayong
Temperature *	Degree C	-	-	30.1	≤40	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	536	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Rayong
Total Kjeldahl Nitrogen as N	mg/L	-	1.0	1.0	≤100	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Norg (C), part NH3 (D)	Rayong
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	47	≤50	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Rayong

**Guideline :** 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).

**Sampling By :** Paramet Sattayakun ทะเบียนเลขที่ ว-323-จ-9476 , Pattarapol Sawangjaitam ทะเบียนเลขที่ ว-204-จ-0002

Remark :

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Technical Management

*N. Banchongkit*

Narumon Banchongkit  
Supervisor

ทะเบียนเลขที่ ว-323-จ-9445

Approved by

*D. Changchon*

Dej Changchon  
Senior Manager

ทะเบียนเลขที่ ว-323-ค-9442

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## Analysis / Test Report

TESTING

No.0009

Lot ID: 2396778

Date Received : Sep 04, 2023

Date Reported : Sep 11, 2023

Report Number : 2772880-2

Client : Rojana Industrial Management Co., Ltd.

2034/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkapi, Huaykwang, Bangkok  
Thailand 10310

P/O :

Project Name : โครงการสวนอุตสาหกรรมปลวกแดง (โรจนะปลวกแดง/ระยอง2)

Project Location : WWTP

Page 1 of 2

Sample Number	2396778-2
Sampled Date	Sep 04, 2023 10:10 AM
Sample Description	Wastewater
Location	Polishing Pond
Date Analysis Commenced	Sep 05, 2023
Condition of Sample	Contained in one BOD bottle, two glass vials, one amber glass bottle and ten plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Metals Testing</b>							
Arsenic	mg/L	0.0003	0.0005	0.002	≤0.25	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Barium	mg/L	0.0003	0.0005	0.16	≤1.0	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	0.010	≤2.0	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	0.10	≤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

Technical Management

*Savitree N.*

Savitree Noisangiam  
Manager

ทะเบียนเลขที่ ว-204-จ-4709

Approved by

*Kanokkorn Anek*

Kanokkorn Anek  
Senior Manager

ทะเบียนเลขที่ ว-204-ค-6111

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## Analysis / Test Report

TESTING

No.0009

**Lot ID: 2396778**

Date Received : Sep 04, 2023

Date Reported : Sep 11, 2023

Report Number : 2772880-2

**Client :** Rojana Industrial Management Co., Ltd.

2034/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkapi, Huaykwang, Bangkok  
Thailand 10310

**P/O :**

**Project Name :** โครงการสวนอุตสาหกรรมปลวกแดง (โรจนะปลวกแดง/ระยอง2)

**Project Location:** WWTP

Page 2 of 2

<b>Sample Number</b>	2396778-2						
<b>Sampled Date</b>	Sep 04, 2023 10:10 AM						
<b>Sample Description</b>	Wastewater						
<b>Location</b>	Polishing Pond						
<b>Date Analysis Commenced</b>	Sep 05, 2023						
<b>Condition of Sample</b>	Contained in one BOD bottle, two glass vials, one amber glass bottle and ten plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Metals Testing</b>							
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
Selenium	mg/L	0.0003	0.0005	Not Detected	≤0.02	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Trivalent Chromium *	mg/L	-	0.01	0.01	≤0.75	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Zinc	mg/L	0.003	0.005	0.34	≤5.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
<b>Water Testing</b>							
Oil & Grease *	mg/L	-	3	<3	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 D	Bangkok

**Guideline :** 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).

**Sampling By :** Paramet Sattayakun ทะเบียนเลขที่ ว-323-จ-9476 , Pattarapol Sawangjaitam ทะเบียนเลขที่ ว-204-จ-0002

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 Noisangiam  
Manager

ทะเบียนเลขที่ ว-204-จ-4709

Approved by

*Kanokkorn Anek*

Kanokkorn Anek  
Senior Manager

ทะเบียนเลขที่ ว-204-ค-6111

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## Analysis / Test Report

TESTING

No.0042

**Lot ID: 2396778**

Date Received : Sep 04, 2023

Date Reported : Sep 11, 2023

Report Number : 2772880-3

**Client :** Rojana Industrial Management Co., Ltd.

2034/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkapi, Huaykwang, Bangkok  
Thailand 10310

**P/O :**

**Project Name :** โครงการสวนอุตสาหกรรมปลวกแดง (โรจนะปลวกแดง/ระยอง2)

**Project Location:** WWTP

Page 1 of 2

<b>Sample Number</b>	2396778-2
<b>Sampled Date</b>	Sep 04, 2023 10:10 AM
<b>Sample Description</b>	Wastewater
<b>Location</b>	Polishing Pond
<b>Date Analysis Commenced</b>	Sep 05, 2023
<b>Condition of Sample</b>	Contained in one BOD bottle, two glass vials, one amber glass bottle and ten plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Metals Testing</b>							
<sup>[A]</sup> Aluminium	mg/L	0.003	0.005	0.34	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
<sup>[A]</sup> Iron	mg/L	0.003	0.005	0.93	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
<sup>[A]</sup> Silver	mg/L	0.0003	0.0005	Not Detected	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
<b>Microbiological Testing</b>							
<sup>[A]</sup> Fecal Coliform	MPN/100mL	-	-	490.0	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B, E	Bangkok
<sup>[A]</sup> 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
<b>Water Testing</b>							
Ammonia Nitrogen *	mg/L	0.02	0.05	0.07	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-NH3 (D)	Rayong
Chloride as Cl *	mg/L	0.5	1	80	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Cl (D)	Rayong
Dissolved Oxygen *	mg/L	-	0.1	8.0	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-O (C)	Rayong

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Approved by

*N. Banchongkit*

Narumon Banchongkit  
Supervisor

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## Analysis / Test Report

TESTING  
No.0042

**Client :** Rojana Industrial Management Co., Ltd.  
2034/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkok, Huaykwang, Bangkok  
Thailand 10310

**P/O :**

**Project Name :** โครงการสวนอุตสาหกรรมปลวกแดง (โรจนะปลวกแดง/ระยอง2)

**Project Location:** WWTP

**Lot ID: 2396778**

Date Received : Sep 04, 2023

Date Reported : Sep 11, 2023

Report Number : 2772880-3

Page 2 of 2

<b>Sample Number</b>	2396778-2
<b>Sampled Date</b>	Sep 04, 2023 10:10 AM
<b>Sample Description</b>	Wastewater
<b>Location</b>	Polishing Pond
<b>Date Analysis Commenced</b>	Sep 05, 2023
<b>Condition of Sample</b>	Contained in one BOD bottle, two glass vials, one amber glass bottle and ten plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Water Testing</b>							
Fluoride	mg/L	0.05	0.2	1.5	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-F (C)	Rayong

**Guideline :** 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).

**Sampling By :** Paramet Sattayakun , Pattarapol Sawangjaitam

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.
- [A] Analysis conducted by ALS Laboratory Group (Thailand) Co.,Ltd. Bangkok Branch, DSS Accreditation No. 0009.
- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

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*N. Banchookit*

Narumon Banchongkit  
Supervisor

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**Client :** Rojana Industrial Management Co., Ltd.  
2034/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkok, Huaykwang, Bangkok  
Thailand 10310

**P/O :**

**Project Name :** โครงการสวนอุตสาหกรรมปลวกแดง (โรงงานปลวกแดง/ระยอง2)

**Project Location :** WWTP

**Lot ID: 2396778**

Date Received : Sep 04, 2023

Date Reported : Sep 11, 2023

Report Number : 2772881-1

Page 1 of 1

<b>Sample Number</b>	2396778-3
<b>Sampled Date</b>	Sep 04, 2023 10:00 AM
<b>Sample Description</b>	Wastewater
<b>Location</b>	WWTP : Aeration Tank
<b>Date Analysis Commenced</b>	Sep 05, 2023
<b>Condition of Sample</b>	Contained in two plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
<b>Water Testing</b>						
Mixed Liqour Suspended Solids	mg/L	-	5	296	In-house method based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Rayong
Sludge Volume Index	mL/g	-	5	30	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2170 D	Rayong
SV30	mL/L	-	2	9	In-house method based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2170 C	Rayong

**Sampling By :** Paramet Sattayakun , Pattarapol Sawangjaitam

Remark :

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Approved by

*N. Banchongkit*

Narumon Banchongkit  
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## Analysis / Test Report

TESTING

No.0042

**Lot ID: 23114430**

Date Received : Oct 02, 2023

Date Reported : Oct 09, 2023

Report Number : 2801413-1

**Client :** Rojana Industrial Management Co., Ltd.

2034/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkapi, Huaykwang, Bangkok  
Thailand 10310

**P/O :**

**Project Name :** โครงการสวนอุตสาหกรรมปลวกแดง (โรจนะปลวกแดง/ระยอง2)

**Project Location:** WWTP

Page 1 of 2

<b>Sample Number</b>	23114430-1
<b>Sampled Date</b>	Oct 02, 2023 10:55 AM
<b>Sample Description</b>	Wastewater
<b>Location</b>	WWTP : Collecting Tank
<b>Date Analysis Commenced</b>	Oct 02, 2023
<b>Condition of Sample</b>	Contained in two glass vials, one amber glass bottle and ten plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Water Testing</b>							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	4.3	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	26	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Rayong
Color (at Original pH)	ADMI	-	5	27	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2120 F	Rayong
Color (at pH 7.0)	ADMI	-	5	25	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2120 F	Rayong
Cyanide as CN	mg/L	0.001	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)	Rayong
Formaldehyde	mg/L	0.03	0.1	1.9	≤1.0	Wastewater analysis manual, Environmental Engineering Association of Thailand, 4th ed., 2004	Rayong
pH at 25 degree C *		-	-	8.3	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Rayong
Phenol	mg/L	0.005	0.01	Not Detected	≤1	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5530 D	Rayong
Residual Free Chlorine *	mg/L	-	0.1	<0.1	≤1	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Cl (F)	Rayong

**Technical Management**

*N. Banongkit*

Narumon Banchongkit

Supervisor

ทะเบียนเลขที่ จ-323-จ-9445

**Approved by**

*D. Changchon*

Dej Changchon

Senior Manager

ทะเบียนเลขที่ จ-323-ค-9442

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## Analysis / Test Report

TESTING

No.0042

**Lot ID: 23114430**

Date Received : Oct 02, 2023

Date Reported : Oct 09, 2023

Report Number : 2801413-1

**Client :** Rojana Industrial Management Co., Ltd.

2034/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkapi, Huaykwang, Bangkok  
Thailand 10310

**P/O :**

**Project Name :** โครงการสวนอุตสาหกรรมปลวกแดง (โรจนะปลวกแดง/ระยอง2)

**Project Location:** WWTP

Page 2 of 2

<b>Sample Number</b>	23114430-1
<b>Sampled Date</b>	Oct 02, 2023 10:55 AM
<b>Sample Description</b>	Wastewater
<b>Location</b>	WWTP : Collecting Tank
<b>Date Analysis Commenced</b>	Oct 02, 2023
<b>Condition of Sample</b>	Contained in two glass vials, one amber glass bottle and ten plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Water Testing</b>							
Sulfide *	mg/L	-	0.5	<0.5	≤1	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-S2 (C, F)	Rayong
Temperature *	Degree C	-	-	30.1	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	276	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Rayong
Total Kjeldahl Nitrogen as N	mg/L	-	1.0	19.4	≤100	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Norg (C), part NH3 (D)	Rayong
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	Rayong

**Guideline :** Standard of Rojana Industrial park (Rayong 2), Criteria of wastewater drainage from the factory to central wastewater treatment plant.

**Sampling By :** Tanasit Wongsachai ทะเบียนเลขที่ ว-323-จ-9460 , Samart Khumphlee ทะเบียนเลขที่ ว-204-จ-7830

**Remark :**

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

**Technical Management**

*N. Banchongkit*

Narumon Banchongkit  
Supervisor

ทะเบียนเลขที่ ว-323-จ-9445

**Approved by**

*D. Changchon*

Dej Changchon  
Senior Manager

ทะเบียนเลขที่ ว-323-ค-9442

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## Analysis / Test Report

TESTING

No.0009

**Lot ID: 23114430**

Date Received : Oct 02, 2023

Date Reported : Oct 09, 2023

Report Number : 2801413-2

**Client :** Rojana Industrial Management Co., Ltd.

2034/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkapi, Huaykwang, Bangkok  
Thailand 10310

**P/O :**

**Project Name :** โครงการสวนอุตสาหกรรมปลวกแดง (โรจนะปลวกแดง/ระยอง2)

**Project Location:** WWTP

Page 1 of 2

<b>Sample Number</b>	23114430-1
<b>Sampled Date</b>	Oct 02, 2023 10:55 AM
<b>Sample Description</b>	Wastewater
<b>Location</b>	WWTP : Collecting Tank
<b>Date Analysis Commenced</b>	Oct 03, 2023
<b>Condition of Sample</b>	Contained in two glass vials, one amber glass bottle and ten plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Metals Testing</b>							
Arsenic	mg/L	0.0003	0.0005	0.001	≤0.25	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Barium	mg/L	0.0003	0.0005	0.22	≤1.00	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	0.005	≤2.00	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	≤0.20	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	0.07	≤5.00	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

**Technical Management**

*Savitree N.*

Savitree Noisangiam  
Manager

ทะเบียนเลขที่ ว-204-จ-4709

**Approved by**

*Kanokkorn Anek*

Kanokkorn Anek  
Senior Manager

ทะเบียนเลขที่ ว-204-ค-6111

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## Analysis / Test Report

TESTING

No.0009

**Lot ID: 23114430**

Date Received : Oct 02, 2023

Date Reported : Oct 09, 2023

Report Number : 2801413-2

**Client :** Rojana Industrial Management Co., Ltd.

2034/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkapi, Huaykwang, Bangkok  
Thailand 10310

**P/O :**

**Project Name :** โครงการสวนอุตสาหกรรมปลวกแดง (โรจนะปลวกแดง/ระยอง2)

**Project Location:** WWTP

Page 2 of 2

<b>Sample Number</b>	23114430-1
<b>Sampled Date</b>	Oct 02, 2023 10:55 AM
<b>Sample Description</b>	Wastewater
<b>Location</b>	WWTP : Collecting Tank
<b>Date Analysis Commenced</b>	Oct 03, 2023
<b>Condition of Sample</b>	Contained in two glass vials, one amber glass bottle and ten plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Metals Testing</b>							
Nickel	mg/L	0.0003	0.0005	0.05	≤1.00	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Selenium	mg/L	0.0003	0.0005	Not Detected	≤0.02	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Trivalent Chromium *	mg/L	-	0.01	<0.01	≤0.75	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Zinc	mg/L	0.003	0.005	0.12	≤5.00	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
<b>Water Testing</b>							
Oil & Grease *	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 D	Bangkok

**Guideline :** Standard of Rojana Industrial park (Rayong 2), Criteria of wastewater drainage from the factory to central wastewater treatment plant.

**Sampling By :** Tanasit Wongsachai ทะเบียนเลขที่ ว-323-จ-9460 , Samart Khumphlee ทะเบียนเลขที่ ว-204-จ-7830

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

*Sawitree N.*

Sawitree Noisangiam

Manager

ทะเบียนเลขที่ ว-204-จ-4709

Approved by

*Kanokkorn Anek*

Kanokkorn Anek

Senior Manager

ทะเบียนเลขที่ ว-204-ค-6111

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## Analysis / Test Report

**Client :** Rojana Industrial Management Co., Ltd.  
2034/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkapi, Huaykwang, Bangkok  
Thailand 10310

**P/O :**

**Project Name :** โครงการสวนอุตสาหกรรมปลวกแดง (โรจนะปลวกแดง/ระยอง2)

**Project Location:** WWTP

**TESTING**

**No.0009**

**Lot ID: 23114430**

Date Received : Oct 02, 2023

Date Reported : Oct 09, 2023

Report Number : 2801413-3

Page 1 of 2

<b>Sample Number</b>	23114430-1
<b>Sampled Date</b>	Oct 02, 2023 10:55 AM
<b>Sample Description</b>	Wastewater
<b>Location</b>	WWTP : Collecting Tank
<b>Date Analysis Commenced</b>	Oct 03, 2023
<b>Condition of Sample</b>	Contained in two glass vials, one amber glass bottle and ten plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Metals Testing</b>							
Aluminium	mg/L	0.003	0.005	0.12	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Iron	mg/L	0.003	0.005	0.29	≤10.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Silver	mg/L	0.0003	0.0005	Not Detected	≤1.00	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
<b>Microbiological Testing</b>							
Fecal 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, E	Bangkok
Total Coliform	MPN/100mL	-	-	240000.0	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B	Bangkok
<b>Water Testing</b>							
Ammonia Nitrogen *	mg/L	0.02	0.05	8.41	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-NH3 (D)	Rayong
Chloride as Cl *	mg/L	0.5	1	58	≤2000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Cl (D)	Rayong
Fluoride *	mg/L	0.05	0.2	0.5	≤5.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-F (C)	Rayong

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Approved by

*Sawitree N.*

Sawitree Noisangiam  
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## Analysis / Test Report

**Client :** Rojana Industrial Management Co., Ltd.  
2034/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkok, Huaykwang, Bangkok  
Thailand 10310

**P/O :**

**Project Name :** โครงการสวนอุตสาหกรรมปลวกแดง (โรจนะปลวกแดง/ระยอง2)

**Project Location:** WWTP

**TESTING**

**No.0009**

**Lot ID: 23114430**

Date Received : Oct 02, 2023

Date Reported : Oct 09, 2023

Report Number : 2801413-3

Page 2 of 2

**Sample Number** 23114430-1  
**Sampled Date** Oct 02, 2023 10:55 AM  
**Sample Description** Wastewater  
**Location** WWTP : Collecting Tank  
**Date Analysis Commenced** Oct 03, 2023  
**Condition of Sample** Contained in two glass vials, one amber glass bottle and ten plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Water Testing</b>							
Nitrate as N *	mg/L	0.015	0.05	0.85	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-NO3 (E)	Rayong

**Guideline :** Standard of Rojana Industrial park (Rayong 2), Criteria of wastewater drainage from the factory to central wastewater treatment plant.

**Sampling By :** Tanasit Wongsachai , Samart Khumphlee

Remark :

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Approved by

*Sawitree N.*

Sawitree Noisangiam  
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## Analysis / Test Report

TESTING

No.0042

**Lot ID: 23114430**

Date Received : Oct 02, 2023

Date Reported : Oct 09, 2023

Report Number : 2801414-1

**Client :** Rojana Industrial Management Co., Ltd.

2034/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkapi, Huaykwang, Bangkok  
Thailand 10310

**P/O :**

**Project Name :** โครงการสวนอุตสาหกรรมปลวกแดง (โรจนะปลวกแดง/ระยอง2)

**Project Location:** WWTP

Page 1 of 2

<b>Sample Number</b>	23114430-2
<b>Sampled Date</b>	Oct 02, 2023 11:11 AM
<b>Sample Description</b>	Wastewater
<b>Location</b>	Polishing Pond
<b>Date Analysis Commenced</b>	Oct 02, 2023
<b>Condition of Sample</b>	Contained in two glass vials, one amber glass bottle and ten plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Water Testing</b>							
BOD (5 days at 20 Degree C) *	mg/L	-	2.0	9.5	≤20	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	56	≤120	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Rayong
Color (at Original pH)	ADMI	-	5	23	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2120 F	Rayong
Color (at pH 7.0)	ADMI	-	5	20	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2120 F	Rayong
Cyanide as CN *	mg/L	0.001	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)	Rayong
Formaldehyde	mg/L	0.03	0.1	3.6	≤1.0	Wastewater analysis manual, Environmental Engineering Association of Thailand, 4th ed., 2004	Rayong
pH at 25 degree C *		-	-	8.9	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Rayong
Phenol	mg/L	0.005	0.01	Not Detected	≤1.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5530 D	Rayong
Residual Free Chlorine *	mg/L	-	0.1	<0.1	≤1.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Cl (F)	Rayong

**Technical Management**

*N. Banongkit*

Narumon Banchongkit  
Supervisor

ทะเบียนเลขที่ ว-323-จ-9445

**Approved by**

*D. Changchon*

Dej Changchon  
Senior Manager

ทะเบียนเลขที่ ว-323-ค-9442

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## Analysis / Test Report

TESTING

No.0042

**Lot ID: 23114430**

Date Received : Oct 02, 2023

Date Reported : Oct 09, 2023

Report Number : 2801414-1

**Client :** Rojana Industrial Management Co., Ltd.

2034/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkapi, Huaykwang, Bangkok  
Thailand 10310

**P/O :**

**Project Name :** โครงการสวนอุตสาหกรรมปลวกแดง (โรจนะปลวกแดง/ระยอง2)

**Project Location:** WWTP

Page 2 of 2

<b>Sample Number</b>	23114430-2
<b>Sampled Date</b>	Oct 02, 2023 11:11 AM
<b>Sample Description</b>	Wastewater
<b>Location</b>	Polishing Pond
<b>Date Analysis Commenced</b>	Oct 02, 2023
<b>Condition of Sample</b>	Contained in two glass vials, one amber glass bottle and ten plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Water Testing</b>							
Sulfide *	mg/L	-	0.5	<0.5	≤1.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-S2 (C, F)	Rayong
Temperature *	Degree C	-	-	29.2	≤40	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	328	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Rayong
Total Kjeldahl Nitrogen as N	mg/L	-	1.0	7.0	≤100	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Norg (C), part NH3 (D)	Rayong
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	80	≤50	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Rayong

**Guideline :** 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).

**Sampling By :** Tanasit Wongsachai ทะเบียนเลขที่ ว-323-จ-9460 , Samart Khumphlee ทะเบียนเลขที่ ว-204-จ-7830

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Technical Management

*N. Banchongkit*

Narumon Banchongkit  
Supervisor

ทะเบียนเลขที่ ว-323-จ-9445

Approved by

*D. Changchon*

Dej Changchon  
Senior Manager

ทะเบียนเลขที่ ว-323-ค-9442

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2034/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkapi, Huaykwang, Bangkok  
Thailand 10310

**P/O :**

**Project Name :** โครงการสวนอุตสาหกรรมปลวกแดง (โรจนะปลวกแดง/ระยอง2)

**Project Location:** WWTP

**TESTING**

**No.0009**

**Lot ID: 23114430**

Date Received : Oct 02, 2023

Date Reported : Oct 09, 2023

Report Number : 2801414-2

Page 1 of 3

**Sample Number** 23114430-2  
**Sampled Date** Oct 02, 2023 11:11 AM  
**Sample Description** Wastewater  
**Location** Polishing Pond  
**Date Analysis Commenced** Oct 03, 2023  
**Condition of Sample** Contained in two glass vials, one amber glass bottle and ten plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Metals Testing</b>							
Arsenic	mg/L	0.0003	0.0005	0.002	≤0.25	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Barium	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
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	0.02	≤2.0	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	0.006	≤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	0.09	≤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

**Technical Management**

*Savitree N.*

Savitree Noisangiam  
Manager

ทะเบียนเลขที่ ว-204-จ-4709

**Approved by**

*Kanokkorn Anek*

Kanokkorn Anek  
Senior Manager

ทะเบียนเลขที่ ว-204-ค-6111

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## Analysis / Test Report

TESTING

No.0009

**Lot ID: 23114430**

Date Received : Oct 02, 2023

Date Reported : Oct 09, 2023

Report Number : 2801414-2

**Client :** Rojana Industrial Management Co., Ltd.

2034/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkapi, Huaykwang, Bangkok  
Thailand 10310

**P/O :**

**Project Name :** โครงการสวนอุตสาหกรรมปลวกแดง (โรจนะปลวกแดง/ระยอง2)

**Project Location:** WWTP

Page 2 of 3

<b>Sample Number</b>	23114430-2
<b>Sampled Date</b>	Oct 02, 2023 11:11 AM
<b>Sample Description</b>	Wastewater
<b>Location</b>	Polishing Pond
<b>Date Analysis Commenced</b>	Oct 03, 2023
<b>Condition of Sample</b>	Contained in two glass vials, one amber glass bottle and ten plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Metals Testing</b>							
Nickel	mg/L	0.0003	0.0005	0.08	≤1.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Selenium	mg/L	0.0003	0.0005	Not Detected	≤0.02	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Silver	mg/L	0.0003	0.0005	Not Detected	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Trivalent Chromium *	mg/L	-	0.01	0.01	≤0.75	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Zinc	mg/L	0.003	0.005	0.32	≤5.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
<b>Water Testing</b>							
Oil & Grease *	mg/L	-	3	3	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 D	Bangkok

**Guideline :** 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).

**Sampling By :** Tanasit Wongsachai ทะเบียนเลขที่ ว-323-จ-9460 , Samart Khumphlee ทะเบียนเลขที่ ว-204-จ-7830

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**Technical Management**

*Sawitree N.*

Sawitree Noisangiam  
Manager

ทะเบียนเลขที่ ว-204-จ-4709

**Approved by**

*Kanokkorn Anek*

Kanokkorn Anek  
Senior Manager

ทะเบียนเลขที่ ว-204-ค-6111

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## Analysis / Test Report

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2034/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkapi, Huaykwang, Bangkok  
Thailand 10310

**P/O :**

**Project Name :** โครงการสวนอุตสาหกรรมปลวกแดง (โรจนะปลวกแดง/ระยอง2)

**Project Location:** WWTP

**TESTING**

**No.0009**

**Lot ID: 23114430**

Date Received : Oct 02, 2023

Date Reported : Oct 09, 2023

Report Number : 2801414-2

Page 3 of 3

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

**Technical Management**

*Sawitree N.*

Sawitree Noisangiam  
Manager

ทะเบียนเลขที่ ว-204-จ-4709

**Approved by**

*Kanok Korn Anek*

Kanokkorn Anek  
Senior Manager

ทะเบียนเลขที่ ว-204-ค-6111

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## Analysis / Test Report

**Client :** Rojana Industrial Management Co., Ltd.  
2034/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkok, Huaykwang, Bangkok  
Thailand 10310

**P/O :**

**Project Name :** โครงการสวนอุตสาหกรรมปลวกแดง (โรจนะปลวกแดง/ระยอง2)

**Project Location:** WWTP

**TESTING**

**No.0009**

**Lot ID: 23114430**

Date Received : Oct 02, 2023

Date Reported : Oct 09, 2023

Report Number : 2801414-3

Page 1 of 2

<b>Sample Number</b>	23114430-2						
<b>Sampled Date</b>	Oct 02, 2023 11:11 AM						
<b>Sample Description</b>	Wastewater						
<b>Location</b>	Polishing Pond						
<b>Date Analysis Commenced</b>	Oct 03, 2023						
<b>Condition of Sample</b>	Contained in two glass vials, one amber glass bottle and ten plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Metals Testing</b>							
Aluminium	mg/L	0.003	0.005	0.72	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Iron	mg/L	0.003	0.005	1.55	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
<b>Microbiological Testing</b>							
Fecal Coliform	MPN/100mL	-	-	3300.0	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B, E	Bangkok
Total Coliform	MPN/100mL	-	-	7900.0	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B	Bangkok
<b>Water Testing</b>							
Ammonia Nitrogen *	mg/L	0.02	0.05	<0.05	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-NH3 (D)	Rayong
Chloride as Cl *	mg/L	0.5	1	56	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Cl (D)	Rayong
Dissolved Oxygen *	mg/L	-	0.1	6.9	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-O (C)	Rayong
Fluoride *	mg/L	0.05	0.2	0.6	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-F (C)	Rayong

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Approved by

*Sawitree N.*

Sawitree Noisangiam  
Manager

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## Analysis / Test Report

**Client :** Rojana Industrial Management Co., Ltd.

2034/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkapi, Huaykwang, Bangkok  
Thailand 10310

**P/O :**

**Project Name :** โครงการสวนอุตสาหกรรมปลวกแดง (โรจนะปลวกแดง/ระยอง2)

**Project Location:** WWTP

**TESTING**

**No.0009**

**Lot ID: 23114430**

Date Received : Oct 02, 2023

Date Reported : Oct 09, 2023

Report Number : 2801414-3

Page 2 of 2

**Guideline :** 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).

**Sampling By :** Tanasit Wongsachai , Samart Khumphlee

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.

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Approved by

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## Analysis / Test Report

**Client :** Rojana Industrial Management Co., Ltd.  
2034/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkok, Huaykwang, Bangkok  
Thailand 10310

**P/O :**  
**Project Name :** โครงการสวนอุตสาหกรรมปลวกแดง (โรงงานปลวกแดง/ระยอง2)  
**Project Location :** WWTP

**Lot ID: 23114430**

Date Received : Oct 02, 2023

Date Reported : Oct 09, 2023

Report Number : 2801415-1

Page 1 of 1

**Sample Number** 23114430-3  
**Sampled Date** Oct 02, 2023 11:05 AM  
**Sample Description** Wastewater  
**Location** WWTP : Aeration Tank  
**Date Analysis Commenced** Oct 03, 2023  
**Condition of Sample** Contained in two plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
<b>Water Testing</b>						
Mixed Liqour Suspended Solids	mg/L	-	5	47	In-house method based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Rayong
Sludge Volume Index	mL/g	-	5	<5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2170 D	Rayong
SV30	mL/L	-	2	<2	In-house method based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2170 C	Rayong

**Sampling By :** Tanasit Wongsachai , Samart Khumphlee

Remark :

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Approved by

*N. Banchongkit*

Narumon Banchongkit  
Supervisor

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## Analysis / Test Report

TESTING

No.0042

**Lot ID: 23127013**

Date Received : Nov 01, 2023

Date Reported : Nov 09, 2023

Report Number : 2829094-1

**Client :** Rojana Industrial Management Co., Ltd.

2034/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkapi, Huaykwang, Bangkok  
Thailand 10310

**P/O :**

**Project Name :** โครงการสวนอุตสาหกรรมปลวกแดง (โรจนะปลวกแดง/ระยอง2)

**Project Location:** WWTP

Page 1 of 2

<b>Sample Number</b>	23127013-1
<b>Sampled Date</b>	Nov 01, 2023 11:14 AM
<b>Sample Description</b>	Wastewater
<b>Location</b>	WWTP : Collecting Tank
<b>Date Analysis Commenced</b>	Nov 01, 2023
<b>Condition of Sample</b>	Contained in one amber glass bottle, two glass vials and ten plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Water Testing</b>							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	7.9	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	34	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Rayong
Color (at Original pH)	ADMI	-	5	27	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2120 F	Rayong
Color (at pH 7.0)	ADMI	-	5	25	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2120 F	Rayong
Cyanide as CN *	mg/L	0.001	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)	Rayong
Formaldehyde	mg/L	0.03	0.1	0.1	≤1.0	Wastewater analysis manual, Environmental Engineering Association of Thailand, 4th ed., 2004	Rayong
pH at 25 degree C *		-	-	7.8	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Rayong
Phenol	mg/L	0.005	0.01	Not Detected	≤1	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5530 D	Rayong
Residual Free Chlorine *	mg/L	-	0.1	<0.1	≤1	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Cl (F)	Rayong

**Technical Management**

*N. Banongkit*

Narumon Banchongkit  
Supervisor

ทะเบียนเลขที่ ว-323-จ-9445

**Approved by**

*D. Changchon*

Dej Changchon  
Senior Manager

ทะเบียนเลขที่ ว-323-ค-9442

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## Analysis / Test Report

TESTING

No.0042

**Lot ID: 23127013**

Date Received : Nov 01, 2023

Date Reported : Nov 09, 2023

Report Number : 2829094-1

**Client :** Rojana Industrial Management Co., Ltd.

2034/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkapi, Huaykwang, Bangkok  
Thailand 10310

**P/O :**

**Project Name :** โครงการสวนอุตสาหกรรมปลวกแดง (โรจนะปลวกแดง/ระยอง2)

**Project Location:** WWTP

Page 2 of 2

<b>Sample Number</b>	23127013-1
<b>Sampled Date</b>	Nov 01, 2023 11:14 AM
<b>Sample Description</b>	Wastewater
<b>Location</b>	WWTP : Collecting Tank
<b>Date Analysis Commenced</b>	Nov 01, 2023
<b>Condition of Sample</b>	Contained in one amber glass bottle, two glass vials and ten plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Water Testing</b>							
Sulfide *	mg/L	-	0.5	<0.5	≤1	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-S2 (C, F)	Rayong
Temperature *	Degree C	-	-	30.0	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	244	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Rayong
Total Kjeldahl Nitrogen as N	mg/L	-	1.0	30.0	≤100	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Norg (C), part NH3 (D)	Rayong
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	Rayong

**Guideline :** Standard of Rojana Industrial park (Rayong 2), Criteria of wastewater drainage from the factory to central wastewater treatment plant.

**Sampling By :** Tanasit Wongsachai ทะเบียนเลขที่ ว-323-จ-9460 , Samart Khumphlee ทะเบียนเลขที่ ว-204-จ-7830

**Remark :**

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**Technical Management**

*N. Banongkit*

Narumon Banchongkit  
Supervisor

ทะเบียนเลขที่ ว-323-จ-9445

**Approved by**

*D. Chongchon*

Dej Changchon  
Senior Manager

ทะเบียนเลขที่ ว-323-ค-9442

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## Analysis / Test Report

TESTING

No.0009

**Lot ID: 23127013**

Date Received : Nov 01, 2023

Date Reported : Nov 08, 2023

Report Number : 2829094-2

**Client :** Rojana Industrial Management Co., Ltd.

2034/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkapi, Huaykwang, Bangkok  
Thailand 10310

**P/O :**

**Project Name :** โครงการสวนอุตสาหกรรมปลวกแดง (โรจนะปลวกแดง/ระยอง2)

**Project Location:** WWTP

Page 1 of 2

<b>Sample Number</b>	23127013-1
<b>Sampled Date</b>	Nov 01, 2023 11:14 AM
<b>Sample Description</b>	Wastewater
<b>Location</b>	WWTP : Collecting Tank
<b>Date Analysis Commenced</b>	Nov 03, 2023
<b>Condition of Sample</b>	Contained in one amber glass bottle, two glass vials and ten plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Metals Testing</b>							
Arsenic	mg/L	0.0003	0.0005	0.001	≤0.25	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Barium	mg/L	0.0003	0.0005	0.11	≤1.00	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	0.004	≤2.00	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	<0.0005	≤0.20	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	0.06	≤5.00	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	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3112	Bangkok

**Technical Management**

*Savitree N.*

Savitree Noisangiam  
Manager

ทะเบียนเลขที่ ว-204-จ-4709

**Approved by**

*Kanokkorn Anek*

Kanokkorn Anek  
Senior Manager

ทะเบียนเลขที่ ว-204-ค-6111

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## Analysis / Test Report

TESTING

No.0009

**Lot ID: 23127013**

Date Received : Nov 01, 2023

Date Reported : Nov 08, 2023

Report Number : 2829094-2

**Client :** Rojana Industrial Management Co., Ltd.

2034/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkapi, Huaykwang, Bangkok  
Thailand 10310

**P/O :**

**Project Name :** โครงการสวนอุตสาหกรรมปลวกแดง (โรจนะปลวกแดง/ระยอง2)

**Project Location:** WWTP

Page 2 of 2

**Sample Number** 23127013-1  
**Sampled Date** Nov 01, 2023 11:14 AM  
**Sample Description** Wastewater  
**Location** WWTP : Collecting Tank  
**Date Analysis Commenced** Nov 03, 2023  
**Condition of Sample** Contained in one amber glass bottle, two glass vials and ten plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Metals Testing</b>							
Nickel	mg/L	0.0003	0.0005	0.03	≤1.00	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Selenium	mg/L	0.0003	0.0005	Not Detected	≤0.02	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Silver	mg/L	0.0003	0.0005	Not Detected	≤1.00	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Trivalent Chromium *	mg/L	-	0.01	<0.01	≤0.75	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Zinc	mg/L	0.003	0.005	0.08	≤5.00	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
<b>Water Testing</b>							
Oil & Grease *	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 D	Bangkok

**Guideline :** Standard of Rojana Industrial park (Rayong 2), Criteria of wastewater drainage from the factory to central wastewater treatment plant.

**Sampling By :** Tanasit Wongsachai ทะเบียนเลขที่ ว-323-จ-9460 , Samart Khumphlee ทะเบียนเลขที่ ว-204-จ-7830

**Remark :**

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**Technical Management**

*Sawitree N.*

Sawitree Noisangiam  
Manager

ทะเบียนเลขที่ ว-204-จ-4709

**Approved by**

*Kanokkorn Anek*

Kanokkorn Anek  
Senior Manager

ทะเบียนเลขที่ ว-204-ค-6111

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## Analysis / Test Report

TESTING

No.0042

**Lot ID: 23127013**

Date Received : Nov 01, 2023

Date Reported : Nov 09, 2023

Report Number : 2829094-3

**Client :** Rojana Industrial Management Co., Ltd.

2034/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkapi, Huaykwang, Bangkok  
Thailand 10310

**P/O :**

**Project Name :** โครงการสวนอุตสาหกรรมปลวกแดง (โรจนะปลวกแดง/ระยอง2)

**Project Location:** WWTP

Page 1 of 2

<b>Sample Number</b>	23127013-1
<b>Sampled Date</b>	Nov 01, 2023 11:14 AM
<b>Sample Description</b>	Wastewater
<b>Location</b>	WWTP : Collecting Tank
<b>Date Analysis Commenced</b>	Nov 01, 2023
<b>Condition of Sample</b>	Contained in one amber glass bottle, two glass vials and ten plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Metals Testing</b>							
<sup>[A]</sup> Aluminium	mg/L	0.003	0.005	0.09	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
<sup>[A]</sup> Iron	mg/L	0.003	0.005	0.24	≤10.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
<b>Microbiological Testing</b>							
<sup>[A]</sup> Fecal 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, E	Bangkok
<sup>[A]</sup> Total Coliform	MPN/100mL	-	-	1100000.0	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B	Bangkok
<b>Water Testing</b>							
Ammonia Nitrogen *	mg/L	0.02	0.05	26.3	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-NH3 (D)	Rayong
Chloride as Cl *	mg/L	0.5	1	71	≤2000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Cl (D)	Rayong
Fluoride	mg/L	0.05	0.2	0.2	≤5.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-F (C)	Rayong
Nitrate as N *	mg/L	0.015	0.05	0.75	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-NO3 (E)	Rayong

**Guideline :** Standard of Rojana Industrial park (Rayong 2), Criteria of wastewater drainage from the factory to central wastewater treatment plant.

Approved by

*N. Banchongkit*

Narumon Banchongkit  
Supervisor

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## Analysis / Test Report

**Client :** Rojana Industrial Management Co., Ltd.

2034/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkok, Huaykwang, Bangkok  
Thailand 10310

**P/O :**

**Project Name :** โครงการสวนอุตสาหกรรมปลวกแดง (โรจนะปลวกแดง/ระยอง2)

**Project Location:** WWTP

TESTING

No.0042

**Lot ID: 23127013**

Date Received : Nov 01, 2023

Date Reported : Nov 09, 2023

Report Number : 2829094-3

Page 2 of 2

**Sampling By :** Tanasit Wongsachai , Samart Khumphlee

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.
- [A] Analysis conducted by ALS Laboratory Group (Thailand) Co.,Ltd. Bangkok Branch, DSS Accreditation No. 0009.
- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Approved by

Narumon Banchongkit  
Supervisor

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## Analysis / Test Report

TESTING

No.0042

**Lot ID: 23127013**

Date Received : Nov 01, 2023

Date Reported : Nov 09, 2023

Report Number : 2829095-1

**Client :** Rojana Industrial Management Co., Ltd.

2034/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkapi, Huaykwang, Bangkok  
Thailand 10310

**P/O :**

**Project Name :** โครงการสวนอุตสาหกรรมปลวกแดง (โรจนะปลวกแดง/ระยอง2)

**Project Location:** WWTP

Page 1 of 2

<b>Sample Number</b>	23127013-2
<b>Sampled Date</b>	Nov 01, 2023 11:30 AM
<b>Sample Description</b>	Wastewater
<b>Location</b>	Polishing Pond
<b>Date Analysis Commenced</b>	Nov 01, 2023
<b>Condition of Sample</b>	Contained in one BOD bottle, one amber glass bottle, two glass vials and ten plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Water Testing</b>							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	3.7	≤20	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	43	≤120	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Rayong
Color (at Original pH)	ADMI	-	5	19	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2120 F	Rayong
Color (at pH 7.0)	ADMI	-	5	17	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2120 F	Rayong
Cyanide as CN *	mg/L	0.001	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)	Rayong
Formaldehyde	mg/L	0.03	0.1	0.2	≤1.0	Wastewater analysis manual, Environmental Engineering Association of Thailand, 4th ed., 2004	Rayong
pH at 25 degree C *		-	-	8.9	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Rayong
Phenol	mg/L	0.005	0.01	Not Detected	≤1.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5530 D	Rayong
Residual Free Chlorine *	mg/L	-	0.1	<0.1	≤1.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Cl (F)	Rayong

**Technical Management**

*N. Banongkit*

Narumon Banchongkit  
Supervisor

ทะเบียนเลขที่ ว-323-จ-9445

**Approved by**

*D. Changchon*

Dej Changchon  
Senior Manager

ทะเบียนเลขที่ ว-323-ค-9442

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## Analysis / Test Report

TESTING

No.0042

**Lot ID: 23127013**

Date Received : Nov 01, 2023

Date Reported : Nov 09, 2023

Report Number : 2829095-1

**Client :** Rojana Industrial Management Co., Ltd.

2034/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkapi, Huaykwang, Bangkok  
Thailand 10310

**P/O :**

**Project Name :** โครงการสวนอุตสาหกรรมปลวกแดง (โรจนะปลวกแดง/ระยอง2)

**Project Location:** WWTP

Page 2 of 2

<b>Sample Number</b>	23127013-2						
<b>Sampled Date</b>	Nov 01, 2023 11:30 AM						
<b>Sample Description</b>	Wastewater						
<b>Location</b>	Polishing Pond						
<b>Date Analysis Commenced</b>	Nov 01, 2023						
<b>Condition of Sample</b>	Contained in one BOD bottle, one amber glass bottle, two glass vials and ten plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Water Testing</b>							
Sulfide *	mg/L	-	0.5	<0.5	≤1.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-S2 (C, F)	Rayong
Temperature *	Degree C	-	-	29.1	≤40	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	448	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Rayong
Total Kjeldahl Nitrogen as N	mg/L	-	1.0	3.5	≤100	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Norg (C), part NH3 (D)	Rayong
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	64	≤50	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Rayong

**Guideline :** 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).

**Sampling By :** Tanasit Wongsachai ทะเบียนเลขที่ ว-323-จ-9460 , Samart Khumphlee ทะเบียนเลขที่ ว-204-จ-7830

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

*N. Banchongkit*

Narumon Banchongkit  
Supervisor

ทะเบียนเลขที่ ว-323-จ-9445

Approved by

*D. Changchon*

Dej Changchon  
Senior Manager

ทะเบียนเลขที่ ว-323-ค-9442

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## Analysis / Test Report

**Client :** Rojana Industrial Management Co., Ltd.  
2034/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkapi, Huaykwang, Bangkok  
Thailand 10310

**P/O :**

**Project Name :** โครงการสวนอุตสาหกรรมปลวกแดง (โรจนะปลวกแดง/ระยอง2)

**Project Location:** WWTP

**TESTING**

**No.0009**

**Lot ID: 23127013**

Date Received : Nov 01, 2023

Date Reported : Nov 08, 2023

Report Number : 2829095-2

Page 1 of 3

**Sample Number** 23127013-2  
**Sampled Date** Nov 01, 2023 11:30 AM  
**Sample Description** Wastewater  
**Location** Polishing Pond  
**Date Analysis Commenced** Nov 03, 2023  
**Condition of Sample** Contained in one BOD bottle, one amber glass bottle, two glass vials and ten plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Metals Testing</b>							
Arsenic	mg/L	0.0003	0.0005	0.002	≤0.25	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Barium	mg/L	0.0003	0.0005	0.15	≤1.0	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	≤2.0	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	0.07	≤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

**Technical Management**

*Sawitree N.*

Sawitree Noisangiam  
Manager

ทะเบียนเลขที่ ว-204-จ-4709

**Approved by**

*Kanokkorn Anek*

Kanokkorn Anek  
Senior Manager

ทะเบียนเลขที่ ว-204-ค-6111

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## Analysis / Test Report

TESTING

No.0009

**Lot ID: 23127013**

Date Received : Nov 01, 2023

Date Reported : Nov 08, 2023

Report Number : 2829095-2

**Client :** Rojana Industrial Management Co., Ltd.

2034/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkapi, Huaykwang, Bangkok  
Thailand 10310

**P/O :**

**Project Name :** โครงการสวนอุตสาหกรรมปลวกแดง (โรจนะปลวกแดง/ระยอง2)

**Project Location:** WWTP

Page 2 of 3

<b>Sample Number</b>	23127013-2
<b>Sampled Date</b>	Nov 01, 2023 11:30 AM
<b>Sample Description</b>	Wastewater
<b>Location</b>	Polishing Pond
<b>Date Analysis Commenced</b>	Nov 03, 2023
<b>Condition of Sample</b>	Contained in one BOD bottle, one amber glass bottle, two glass vials and ten plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Metals Testing</b>							
Nickel	mg/L	0.0003	0.0005	0.08	≤1.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Selenium	mg/L	0.0003	0.0005	Not Detected	≤0.02	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Silver	mg/L	0.0003	0.0005	Not Detected	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Trivalent Chromium *	mg/L	-	0.01	<0.01	≤0.75	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Zinc	mg/L	0.003	0.005	0.21	≤5.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
<b>Water Testing</b>							
Oil & Grease *	mg/L	-	3	<3	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 D	Bangkok

**Guideline :** 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).

**Sampling By :** Tanasit Wongsachai ทะเบียนเลขที่ ว-323-จ-9460 , Samart Khumphlee ทะเบียนเลขที่ ว-204-จ-7830

Remark :

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- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
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Technical Management

*Sawitree N.*

Sawitree Noisangiam

Manager

ทะเบียนเลขที่ ว-204-จ-4709

Approved by

*Kanokkorn Anek*

Kanokkorn Anek

Senior Manager

ทะเบียนเลขที่ ว-204-ค-6111

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## Analysis / Test Report

**Client :** Rojana Industrial Management Co., Ltd.

2034/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkapi, Huaykwang, Bangkok  
Thailand 10310

**P/O :**

**Project Name :** โครงการสวนอุตสาหกรรมปลวกแดง (โรจนะปลวกแดง/ระยอง2)

**Project Location:** WWTP

**TESTING**

**No.0009**

**Lot ID: 23127013**

Date Received : Nov 01, 2023

Date Reported : Nov 08, 2023

Report Number : 2829095-2

Page 3 of 3

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

Technical Management

*Sawitree N.*

Sawitree Noisangiam  
Manager

ทะเบียนเลขที่ ว-204-จ-4709

Approved by

*Kanok Korn Anek*

Kanokkorn Anek  
Senior Manager

ทะเบียนเลขที่ ว-204-ค-6111

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## Analysis / Test Report

TESTING

No.0042

**Lot ID: 23127013**

Date Received : Nov 01, 2023

Date Reported : Nov 09, 2023

Report Number : 2829095-3

**Client :** Rojana Industrial Management Co., Ltd.

2034/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkok, Huaykwang, Bangkok  
Thailand 10310

**P/O :**

**Project Name :** โครงการสวนอุตสาหกรรมปลวกแดง (โรจนะปลวกแดง/ระยอง2)

**Project Location:** WWTP

Page 1 of 2

<b>Sample Number</b>	23127013-2
<b>Sampled Date</b>	Nov 01, 2023 11:30 AM
<b>Sample Description</b>	Wastewater
<b>Location</b>	Polishing Pond
<b>Date Analysis Commenced</b>	Nov 02, 2023
<b>Condition of Sample</b>	Contained in one BOD bottle, one amber glass bottle, two glass vials and ten plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Metals Testing</b>							
<sup>[A]</sup> Aluminium	mg/L	0.003	0.005	0.42	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
<sup>[A]</sup> Iron	mg/L	0.003	0.005	0.95	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
<b>Microbiological Testing</b>							
<sup>[A]</sup> Fecal Coliform	MPN/100mL	-	-	49.0	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B, E	Bangkok
<sup>[A]</sup> Total Coliform	MPN/100mL	-	-	330.0	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B	Bangkok
<b>Water Testing</b>							
Ammonia Nitrogen *	mg/L	0.02	0.05	0.09	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-NH3 (D)	Rayong
Chloride as Cl *	mg/L	0.5	1	74	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Cl (D)	Rayong
Dissolved Oxygen *	mg/L	-	0.1	7.1	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-O (C)	Rayong
Fluoride	mg/L	0.05	0.2	0.6	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-F (C)	Rayong

Approved by

*N. Banchongkit*

Narumon Banchongkit  
Supervisor

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## Analysis / Test Report

**Client :** Rojana Industrial Management Co., Ltd.

2034/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkok, Huaykwang, Bangkok  
Thailand 10310

**P/O :**

**Project Name :** โครงการสวนอุตสาหกรรมปลวกแดง (โรจนะปลวกแดง/ระยอง2)

**Project Location:** WWTP

**TESTING**

**No.0042**

**Lot ID: 23127013**

Date Received : Nov 01, 2023

Date Reported : Nov 09, 2023

Report Number : 2829095-3

Page 2 of 2

**Guideline :** 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).

**Sampling By :** Tanasit Wongsachai , Samart Khumphlee

**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.
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**Approved by**

*N. Banchongkit*

Narumon Banchongkit  
Supervisor

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## Analysis / Test Report

**Client** : Rojana Industrial Management Co., Ltd.  
2034/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkok, Huaykwang, Bangkok  
Thailand 10310

**P/O** :

**Project Name** : โครงการสวนอุตสาหกรรมปลวกแดง (โรงงานปลวกแดง/ระยอง2)

**Project Location** : WWTP

**Lot ID: 23127013**

Date Received : Nov 01, 2023

Date Reported : Nov 08, 2023

Report Number : 2829096-1

Page 1 of 1

<b>Sample Number</b>	23127013-3
<b>Sampled Date</b>	Nov 01, 2023 11:23 AM
<b>Sample Description</b>	Wastewater
<b>Location</b>	WWTP : Aeration Tank
<b>Date Analysis Commenced</b>	Nov 02, 2023
<b>Condition of Sample</b>	Contained in two plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
<b>Water Testing</b>						
Mixed Liqour Suspended Solids	mg/L	-	5	42	In-house method based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Rayong
Sludge Volume Index	mL/g	-	5	<5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2170 D	Rayong
SV30	mL/L	-	2	<2	In-house method based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2170 C	Rayong

**Sampling By** : Tanasit Wongsachai , Samart Khumphlee

Remark :

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

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Approved by

*N. Banchongkit*

Narumon Banchongkit  
Supervisor

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## Analysis / Test Report

TESTING

No.0042

**Lot ID: 23136512**

Date Received : Dec 04, 2023

Date Reported : Dec 12, 2023

Report Number : 2861211-1

**Client :** Rojana Industrial Management Co., Ltd.

2034/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkapi, Huaykwang, Bangkok  
Thailand 10310

**P/O :**

**Project Name :** โครงการสวนอุตสาหกรรมปลวกแดง (โรจนะปลวกแดง/ระยอง2)

**Project Location:** WWTP

Page 1 of 2

<b>Sample Number</b>	23136512-1
<b>Sampled Date</b>	Dec 04, 2023 9:50 AM
<b>Sample Description</b>	Wastewater
<b>Location</b>	WWTP : Collecting Tank
<b>Date Analysis Commenced</b>	Dec 04, 2023
<b>Condition of Sample</b>	Contained in two glass vials, one amber glass bottle and ten plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Water Testing</b>							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	22.3	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	121	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Rayong
Color (at Original pH)	ADMI	-	5	62	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2120 F	Rayong
Color (at pH 7.0)	ADMI	-	5	60	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2120 F	Rayong
Cyanide as CN *	mg/L	0.001	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)	Rayong
Formaldehyde	mg/L	0.03	0.1	<0.1	≤1.0	Wastewater analysis manual, Environmental Engineering Association of Thailand, 4th ed., 2004	Rayong
pH at 25 degree C *		-	-	8.8	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Rayong
Phenol	mg/L	0.005	0.01	0.06	≤1	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5530 D	Rayong

**Technical Management**

*N. Banchongkit*

Narumon Banchongkit  
Supervisor

ทะเบียนเลขที่ ว-323-จ-9445

**Approved by**

*D. Changchon*

Dej Changchon  
Senior Manager

ทะเบียนเลขที่ ว-323-ค-9442

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## Analysis / Test Report

TESTING

No.0042

**Lot ID: 23136512**

Date Received : Dec 04, 2023

Date Reported : Dec 12, 2023

Report Number : 2861211-1

**Client :** Rojana Industrial Management Co., Ltd.

2034/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkapi, Huaykwang, Bangkok  
Thailand 10310

**P/O :**

**Project Name :** โครงการสวนอุตสาหกรรมปลวกแดง (โรจนะปลวกแดง/ระยอง2)

**Project Location:** WWTP

Page 2 of 2

<b>Sample Number</b>	23136512-1
<b>Sampled Date</b>	Dec 04, 2023 9:50 AM
<b>Sample Description</b>	Wastewater
<b>Location</b>	WWTP : Collecting Tank
<b>Date Analysis Commenced</b>	Dec 04, 2023
<b>Condition of Sample</b>	Contained in two glass vials, one amber glass bottle and ten plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Water Testing</b>							
Residual Free Chlorine *	mg/L	-	0.1	<0.1	≤1	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Cl (F)	Rayong
Sulfide *	mg/L	-	0.5	<0.5	≤1	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-S2 (C, F)	Rayong
Temperature *	Degree C	-	-	29.7	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	676	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Rayong
Total Kjeldahl Nitrogen as N	mg/L	-	1.0	30.7	≤100	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Norg (C), part NH3 (D)	Rayong
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	Rayong

**Guideline :** Standard of Rojana Industrial park (Rayong 2), Criteria of wastewater drainage from the factory to central wastewater treatment plant.

**Sampling By :** Tanasit Wongsachai ทะเบียนเลขที่ ว-323-จ-9460 , Nantawat Sarin ทะเบียนเลขที่ ว-204-จ-8596

**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**

*N. Banongkit*

Narumon Banhongkit

Supervisor

ทะเบียนเลขที่ ว-323-จ-9445

**Approved by**

*D. Changchon*

Dej Changchon

Senior Manager

ทะเบียนเลขที่ ว-323-ค-9442

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## Analysis / Test Report

TESTING

No.0009

**Lot ID: 23136512**

Date Received : Dec 04, 2023

Date Reported : Dec 12, 2023

Report Number : 2861211-2

**Client :** Rojana Industrial Management Co., Ltd.

2034/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkapi, Huaykwang, Bangkok  
Thailand 10310

**P/O :**

**Project Name :** โครงการสวนอุตสาหกรรมปลวกแดง (โรจนะปลวกแดง/ระยอง2)

**Project Location:** WWTP

Page 1 of 2

<b>Sample Number</b>	23136512-1
<b>Sampled Date</b>	Dec 04, 2023 9:50 AM
<b>Sample Description</b>	Wastewater
<b>Location</b>	WWTP : Collecting Tank
<b>Date Analysis Commenced</b>	Dec 06, 2023
<b>Condition of Sample</b>	Contained in two glass vials, one amber glass bottle and ten plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Metals Testing</b>							
Arsenic	mg/L	0.0003	0.0005	0.001	≤0.25	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Barium	mg/L	0.0003	0.0005	0.29	≤1.00	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	0.02	≤2.00	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	≤0.20	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	0.12	≤5.00	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	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3112	Bangkok

Technical Management

*Savitree N.*

Savitree Noisangiam  
Manager

ทะเบียนเลขที่ ว-204-จ-4709

Approved by

*Kanokkorn Anek*

Kanokkorn Anek  
Senior Manager

ทะเบียนเลขที่ ว-204-ค-6111

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. No part of this report may be reproduced in any form without written consent from the laboratory.  
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## Analysis / Test Report

TESTING

No.0009

**Lot ID: 23136512**

Date Received : Dec 04, 2023

Date Reported : Dec 12, 2023

Report Number : 2861211-2

**Client :** Rojana Industrial Management Co., Ltd.

2034/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkapi, Huaykwang, Bangkok  
Thailand 10310

**P/O :**

**Project Name :** โครงการสวนอุตสาหกรรมปลวกแดง (โรจนะปลวกแดง/ระยอง2)

**Project Location:** WWTP

Page 2 of 2

<b>Sample Number</b>	23136512-1
<b>Sampled Date</b>	Dec 04, 2023 9:50 AM
<b>Sample Description</b>	Wastewater
<b>Location</b>	WWTP : Collecting Tank
<b>Date Analysis Commenced</b>	Dec 06, 2023
<b>Condition of Sample</b>	Contained in two glass vials, one amber glass bottle and ten plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Metals Testing</b>							
Nickel	mg/L	0.0003	0.0005	0.48	≤1.00	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Selenium	mg/L	0.0003	0.0005	Not Detected	≤0.02	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Trivalent Chromium *	mg/L	-	0.01	<0.01	≤0.75	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Zinc	mg/L	0.003	0.005	0.53	≤5.00	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
<b>Water Testing</b>							
Oil & Grease *	mg/L	-	3	9	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 D	Bangkok

**Guideline :** Standard of Rojana Industrial park (Rayong 2), Criteria of wastewater drainage from the factory to central wastewater treatment plant.

**Sampling By :** Tanasit Wongsachai ทะเบียนเลขที่ ว-323-จ-9460 , Nantawat Sarin ทะเบียนเลขที่ ว-204-จ-8596

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

*Sawitree N.*

Sawitree Noisangiam  
Manager

ทะเบียนเลขที่ ว-204-จ-4709

Approved by

*Kanokkorn Anek*

Kanokkorn Anek  
Senior Manager

ทะเบียนเลขที่ ว-204-ค-6111

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## Analysis / Test Report

**Client :** Rojana Industrial Management Co., Ltd.  
2034/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkapi, Huaykwang, Bangkok  
Thailand 10310

**P/O :**

**Project Name :** โครงการสวนอุตสาหกรรมปลวกแดง (โรจนะปลวกแดง/ระยอง2)

**Project Location:** WWTP

**TESTING**

**No.0042**

**Lot ID: 23136512**

Date Received : Dec 04, 2023

Date Reported : Dec 12, 2023

Report Number : 2861211-3

Page 1 of 2

**Sample Number** 23136512-1  
**Sampled Date** Dec 04, 2023 9:50 AM  
**Sample Description** Wastewater  
**Location** WWTP : Collecting Tank  
**Date Analysis Commenced** Dec 05, 2023  
**Condition of Sample** Contained in two glass vials, one amber glass bottle and ten plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Metals Testing</b>							
<sup>[A]</sup> Aluminium	mg/L	0.003	0.005	0.10	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
<sup>[A]</sup> Iron	mg/L	0.003	0.005	1.37	≤10.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
<sup>[A]</sup> Silver	mg/L	0.0003	0.0005	Not Detected	≤1.00	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
<b>Microbiological Testing</b>							
<sup>[A]</sup> Fecal Coliform	MPN/100mL	-	-	79000.0	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B, E	Bangkok
<sup>[A]</sup> Total Coliform	MPN/100mL	-	-	240000.0	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B	Bangkok
<b>Water Testing</b>							
Ammonia Nitrogen *	mg/L	0.02	0.05	26.9	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-NH3 (D)	Rayong
Chloride as Cl *	mg/L	0.5	1	118	≤2000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Cl (D)	Rayong
Fluoride	mg/L	0.05	0.2	2.3	≤5.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-F (C)	Rayong

Approved by

*N. Banchongkit*

Narumon Banchongkit  
Supervisor

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## Analysis / Test Report

**Client :** Rojana Industrial Management Co., Ltd.

2034/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkok, Huaykwang, Bangkok  
Thailand 10310

**P/O :**

**Project Name :** โครงการสวนอุตสาหกรรมปลวกแดง (โรจนะปลวกแดง/ระยอง2)

**Project Location:** WWTP

**TESTING**

**No.0042**

**Lot ID: 23136512**

Date Received : Dec 04, 2023

Date Reported : Dec 12, 2023

Report Number : 2861211-3

Page 2 of 2

<b>Sample Number</b>	23136512-1						
<b>Sampled Date</b>	Dec 04, 2023 9:50 AM						
<b>Sample Description</b>	Wastewater						
<b>Location</b>	WWTP : Collecting Tank						
<b>Date Analysis Commenced</b>	Dec 05, 2023						
<b>Condition of Sample</b>	Contained in two glass vials, one amber glass bottle and ten plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Water Testing</b>							
Nitrate as N *	mg/L	0.015	0.05	0.88	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-NO3 (E)	Rayong

**Guideline :** Standard of Rojana Industrial park (Rayong 2), Criteria of wastewater drainage from the factory to central wastewater treatment plant.

**Sampling By :** Tanasit Wongsachai , Nantawat Sarin

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.
- [A] Analysis conducted by ALS Laboratory Group (Thailand) Co.,Ltd. Bangkok Branch, DSS Accreditation No. 0009.
- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Approved by

*N. Banchongkit*

Narumon Banchongkit  
Supervisor

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## Analysis / Test Report

TESTING

No.0042

**Lot ID: 23136512**

Date Received : Dec 04, 2023

Date Reported : Dec 12, 2023

Report Number : 2861212-1

**Client :** Rojana Industrial Management Co., Ltd.

2034/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkapi, Huaykwang, Bangkok  
Thailand 10310

**P/O :**

**Project Name :** โครงการสวนอุตสาหกรรมปลวกแดง (โรจนะปลวกแดง/ระยอง2)

**Project Location:** WWTP

Page 1 of 2

<b>Sample Number</b>	23136512-2
<b>Sampled Date</b>	Dec 04, 2023 10:10 AM
<b>Sample Description</b>	Wastewater
<b>Location</b>	Polishing Pond
<b>Date Analysis Commenced</b>	Dec 04, 2023
<b>Condition of Sample</b>	Contained in two glass vials, one amber glass bottle and ten plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Water Testing</b>							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	7.5	≤20	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	38	≤120	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Rayong
Color (at Original pH)	ADMI	-	5	30	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2120 F	Rayong
Color (at pH 7.0)	ADMI	-	5	29	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2120 F	Rayong
Cyanide as CN *	mg/L	0.001	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)	Rayong
Formaldehyde	mg/L	0.03	0.1	<0.1	≤1.0	Wastewater analysis manual, Environmental Engineering Association of Thailand, 4th ed., 2004	Rayong
pH at 25 degree C *		-	-	8.0	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Rayong
Phenol	mg/L	0.005	0.01	<0.010	≤1.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5530 D	Rayong

**Technical Management**

*N. Banchongkit*

Narumon Banchongkit

Supervisor

ทะเบียนเลขที่ ว-323-จ-9445

**Approved by**

*D. Changchon*

Dej Changchon

Senior Manager

ทะเบียนเลขที่ ว-323-ค-9442

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## Analysis / Test Report

TESTING

No.0042

**Lot ID: 23136512**

Date Received : Dec 04, 2023

Date Reported : Dec 12, 2023

Report Number : 2861212-1

**Client :** Rojana Industrial Management Co., Ltd.

2034/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkapi, Huaykwang, Bangkok  
Thailand 10310

**P/O :**

**Project Name :** โครงการสวนอุตสาหกรรมปลวกแดง (โรจนะปลวกแดง/ระยอง2)

**Project Location:** WWTP

Page 2 of 2

<b>Sample Number</b>	23136512-2
<b>Sampled Date</b>	Dec 04, 2023 10:10 AM
<b>Sample Description</b>	Wastewater
<b>Location</b>	Polishing Pond
<b>Date Analysis Commenced</b>	Dec 04, 2023
<b>Condition of Sample</b>	Contained in two glass vials, one amber glass bottle and ten plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Water Testing</b>							
Residual Free Chlorine *	mg/L	-	0.1	<0.1	≤1.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Cl (F)	Rayong
Sulfide *	mg/L	-	0.5	<0.5	≤1.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-S2 (C, F)	Rayong
Temperature *	Degree C	-	-	27.8	≤40	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	780	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Rayong
Total Kjeldahl Nitrogen as N	mg/L	-	1.0	1.9	≤100	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Norg (C), part NH3 (D)	Rayong
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	24	≤50	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Rayong

**Guideline :** 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).

**Sampling By :** Tanasit Wongsachai ทะเบียนเลขที่ ว-323-จ-9460 , Nantawat Sarin ทะเบียนเลขที่ ว-204-จ-8596

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**

*N. Banongkit*

Narumon Banchongkit

Supervisor

ทะเบียนเลขที่ ว-323-จ-9445

**Approved by**

*D. Changchon*

Dej Changchon

Senior Manager

ทะเบียนเลขที่ ว-323-ค-9442

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## Analysis / Test Report

**Client :** Rojana Industrial Management Co., Ltd.  
2034/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkapi, Huaykwang, Bangkok  
Thailand 10310

**P/O :**

**Project Name :** โครงการสวนอุตสาหกรรมปลวกแดง (โรจนะปลวกแดง/ระยอง2)

**Project Location:** WWTP

**TESTING**

**No.0009**

**Lot ID: 23136512**

Date Received : Dec 04, 2023

Date Reported : Dec 12, 2023

Report Number : 2861212-2

Page 1 of 2

**Sample Number** 23136512-2  
**Sampled Date** Dec 04, 2023 10:10 AM  
**Sample Description** Wastewater  
**Location** Polishing Pond  
**Date Analysis Commenced** Dec 06, 2023  
**Condition of Sample** Contained in two glass vials, one amber glass bottle and ten plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Metals Testing</b>							
Arsenic	mg/L	0.0003	0.0005	0.002	≤0.25	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Barium	mg/L	0.0003	0.0005	0.10	≤1.0	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	≤2.0	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	0.0006	≤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	0.04	≤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	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3112	Bangkok

**Technical Management**

*Savitree N.*

Savitree Noisangiam  
Manager

ทะเบียนเลขที่ ว-204-จ-4709

**Approved by**

*Kanokkorn Anek*

Kanokkorn Anek  
Senior Manager

ทะเบียนเลขที่ ว-204-ค-6111

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## Analysis / Test Report

TESTING

No.0009

**Lot ID: 23136512**

Date Received : Dec 04, 2023

Date Reported : Dec 12, 2023

Report Number : 2861212-2

**Client :** Rojana Industrial Management Co., Ltd.

2034/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkapi, Huaykwang, Bangkok  
Thailand 10310

**P/O :**

**Project Name :** โครงการสวนอุตสาหกรรมปลวกแดง (โรจนะปลวกแดง/ระยอง2)

**Project Location:** WWTP

Page 2 of 2

<b>Sample Number</b>	23136512-2
<b>Sampled Date</b>	Dec 04, 2023 10:10 AM
<b>Sample Description</b>	Wastewater
<b>Location</b>	Polishing Pond
<b>Date Analysis Commenced</b>	Dec 06, 2023
<b>Condition of Sample</b>	Contained in two glass vials, one amber glass bottle and ten plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Metals Testing</b>							
Nickel	mg/L	0.0003	0.0005	0.12	≤1.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Selenium	mg/L	0.0003	0.0005	Not Detected	≤0.02	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Trivalent Chromium *	mg/L	-	0.01	<0.01	≤0.75	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Zinc	mg/L	0.003	0.005	0.30	≤5.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
<b>Water Testing</b>							
Oil & Grease *	mg/L	-	3	<3	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 D	Bangkok

**Guideline :** 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).

**Sampling By :** Tanasit Wongsachai ทะเบียนเลขที่ ว-323-จ-9460 , Nantawat Sarin ทะเบียนเลขที่ ว-204-จ-8596

Remark :

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

Technical Management

*Savitree N.*

Savitree Noisangiam  
Manager

ทะเบียนเลขที่ ว-204-จ-4709

Approved by

*Kanokkorn Anek*

Kanokkorn Anek  
Senior Manager

ทะเบียนเลขที่ ว-204-ค-6111

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Thailand 10310

**P/O :**

**Project Name :** โครงการสวนอุตสาหกรรมปลวกแดง (โรจนะปลวกแดง/ระยอง2)

**Project Location:** WWTP

**TESTING**

**No.0042**

**Lot ID: 23136512**

Date Received : Dec 04, 2023

Date Reported : Dec 13, 2023

Report Number : 2861212-3

Page 1 of 2

<b>Sample Number</b>	23136512-2
<b>Sampled Date</b>	Dec 04, 2023 10:10 AM
<b>Sample Description</b>	Wastewater
<b>Location</b>	Polishing Pond
<b>Date Analysis Commenced</b>	Dec 05, 2023
<b>Condition of Sample</b>	Contained in two glass vials, one amber glass bottle and ten plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Metals Testing</b>							
<sup>[A]</sup> Aluminium	mg/L	0.003	0.005	0.11	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
<sup>[A]</sup> Iron	mg/L	0.003	0.005	0.35	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
<sup>[A]</sup> Silver	mg/L	0.0003	0.0005	Not Detected	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
<b>Microbiological Testing</b>							
<sup>[A]</sup> Fecal Coliform	MPN/100mL	-	-	130.0	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B, E	Bangkok
<sup>[A]</sup> Total Coliform	MPN/100mL	-	-	240.0	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B	Bangkok
<b>Water Testing</b>							
Ammonia Nitrogen *	mg/L	0.02	0.05	0.56	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-NH3 (D)	Rayong
Chloride as Cl *	mg/L	0.5	1	123	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Cl (D)	Rayong
Dissolved Oxygen *	mg/L	-	0.1	7.1	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-O (C)	Rayong

Approved by

*N. Banchongkit*

Narumon Banchongkit  
Supervisor

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Thailand 10310

**P/O :**

**Project Name :** โครงการสวนอุตสาหกรรมปลวกแดง (โรจนะปลวกแดง/ระยอง2)

**Project Location:** WWTP

**TESTING**

**No.0042**

**Lot ID: 23136512**

Date Received : Dec 04, 2023

Date Reported : Dec 13, 2023

Report Number : 2861212-3

Page 2 of 2

<b>Sample Number</b>	23136512-2						
<b>Sampled Date</b>	Dec 04, 2023 10:10 AM						
<b>Sample Description</b>	Wastewater						
<b>Location</b>	Polishing Pond						
<b>Date Analysis Commenced</b>	Dec 05, 2023						
<b>Condition of Sample</b>	Contained in two glass vials, one amber glass bottle and ten plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Water Testing</b>							
Fluoride	mg/L	0.05	0.2	0.7	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-F (C)	Rayong

**Guideline :** 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).

**Sampling By :** Tanasit Wongsachai , Nantawat Sarin

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.
- [A] Analysis conducted by ALS Laboratory Group (Thailand) Co.,Ltd. Bangkok Branch, DSS Accreditation No. 0009.
- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Approved by

*N. Banchongkit*

Narumon Banchongkit  
Supervisor

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## Analysis / Test Report

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Thailand 10310

**P/O :**  
**Project Name :** โครงการสวนอุตสาหกรรมปลวกแดง (โรงงานปลวกแดง/ระยอง2)  
**Project Location :** WWTP

**Lot ID: 23136512**

Date Received : Dec 04, 2023  
Date Reported : Dec 12, 2023  
Report Number : 2861213-1

Page 1 of 1

**Sample Number** 23136512-3  
**Sampled Date** Dec 04, 2023 10:00 AM  
**Sample Description** Wastewater  
**Location** WWTP : Aeration Tank  
**Date Analysis Commenced** Dec 05, 2023  
**Condition of Sample** Contained in two plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
<b>Water Testing</b>						
Mixed Liqour Suspended Solids	mg/L	-	5	105	In-house method based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Rayong
Sludge Volume Index	mL/g	-	5	<5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2170 D	Rayong
SV30	mL/L	-	2	<2	In-house method based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2170 C	Rayong

**Sampling By :** Tanasit Wongsachai , Nantawat Sarin

Remark :  
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Approved by

Narumon Banchongkit  
Supervisor

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# ภาคผนวก ค-03

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คุณภาพน้ำทิ้งจากโรงงานอุตสาหกรรม



## Analysis / Test Report

TESTING  
No.0042

**Client :** Rojana Industrial Management Co., Ltd.  
2034/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkapi, Huaykwang, Bangkok  
Thailand 10310

**Lot ID: 2373027**

Date Received : Jul 04, 2023

Date Reported : Jul 11, 2023

Report Number : 2694648-1

**P/O :**

**Project Name :** โครงการสวนอุตสาหกรรมปลวกแดง (โรจนะปลวกแดง/ระยอง2)

**Project Location:** Factory

Page 1 of 1

<b>Sample Number</b>	2373027-1
<b>Sampled Date</b>	Jul 04, 2023 11:10 AM
<b>Sample Description</b>	Wastewater
<b>Location</b>	บริษัท กัลฟ์ ฟีด จำกัด : GULF PD COMPANY LIMITED.
<b>Date Analysis Commenced</b>	Jul 04, 2023
<b>Condition of Sample</b>	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
<b>Water Testing</b>							
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	Rayong
COD	mg/L	1.5	25	<25	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Rayong
pH at 25 degree C *		-	-	8.2	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	96	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Rayong
Total Kjeldahl Nitrogen as N	mg/L	-	1.0	2.2	≤100	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Norg (C), part NH3 (D)	Rayong
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	Rayong

**Guideline :** Standard of Rojana Industrial park (Rayong 2), Criteria of wastewater drainage from the factory to central wastewater treatment plant.

**Sampling By :** Tanasit Wongsachai ทะเบียนเลขที่ ว-323-จ-9460 , Pattarapol Sawangjaitam ทะเบียนเลขที่ ว-204-จ-0002

Remark :

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

Technical Management

*N. Banongkit*

Narumon Banchongkit  
Supervisor

ทะเบียนเลขที่ ว-323-จ-9445

Approved by

*D. Changchon*

Dej Changchon  
Senior Manager

ทะเบียนเลขที่ ว-323-ค-9442

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## Analysis / Test Report

**Client :** Rojana Industrial Management Co., Ltd.  
2034/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkapi, Huaykwang, Bangkok  
Thailand 10310

**P/O :**

**Project Name :** โครงการสวนอุตสาหกรรมปลวกแดง (โรจนะปลวกแดง/ระยอง2)

**Project Location:** Factory

**Lot ID: 2373027**

Date Received : Jul 04, 2023

Date Reported : Jul 08, 2023

Report Number : 2694648-2

Page 1 of 1

**Sample Number** 2373027-1  
**Sampled Date** Jul 04, 2023 11:10 AM  
**Sample Description** Wastewater  
**Location** บริษัท กัลฟ์ ฟีด จำกัด : GULF PD COMPANY LIMITED.  
**Date Analysis Commenced** Jul 06, 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
<b>Water Testing</b>							
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 D	Bangkok

**Guideline :** Standard of Rojana Industrial park (Rayong 2), Criteria of wastewater drainage from the factory to central wastewater treatment plant.

**Sampling By :** Tanasit Wongsachai ทะเบียนเลขที่ ว-323-จ-9460 , Pattarapol Sawangjaitam ทะเบียนเลขที่ ว-204-จ-0002

Remark :

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

Technical Management

Narin Saiseng  
Supervisor

ทะเบียนเลขที่ ว-204-จ-4715

Approved by

Kanokkorn Anek  
Senior Manager

ทะเบียนเลขที่ ว-204-ค-6111

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## Analysis / Test Report

TESTING  
No.0042

**Client :** Rojana Industrial Management Co., Ltd.  
2034/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkapi, Huaykwang, Bangkok  
Thailand 10310

**Lot ID: 2373028**

Date Received : Jul 04, 2023

Date Reported : Jul 11, 2023

Report Number : 2694649-1

**P/O :**

**Project Name :** โครงการสวนอุตสาหกรรมปลวกแดง (โรจนะปลวกแดง/ระยอง2)

**Project Location:** Factory

Page 1 of 1

<b>Sample Number</b>	2373028-1
<b>Sampled Date</b>	Jul 04, 2023 10:39 AM
<b>Sample Description</b>	Wastewater
<b>Location</b>	บริษัท รีอีเอ็ม (ไทยแลนด์) จำกัด : VEM (THAILAND) CO., LTD.
<b>Date Analysis Commenced</b>	Jul 04, 2023
<b>Condition of Sample</b>	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
<b>Water Testing</b>							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	18.4	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	86	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Rayong
pH at 25 degree C *		-	-	7.4	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	284	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Rayong
Total Kjeldahl Nitrogen as N	mg/L	-	1.0	16.2	≤100	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Norg (C), part NH3 (D)	Rayong
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	Rayong

**Guideline :** Standard of Rojana Industrial park (Rayong 2), Criteria of wastewater drainage from the factory to central wastewater treatment plant.

**Sampling By :** Tanasit Wongsachai ทะเบียนเลขที่ ว-323-จ-9460 , Pattarapol Sawangjaitam ทะเบียนเลขที่ ว-204-จ-0002

**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**

*N. Banchongkit*

Narumon Banchongkit

Supervisor

ทะเบียนเลขที่ ว-323-จ-9445

**Approved by**

*D. Changchon*

Dej Changchon

Senior Manager

ทะเบียนเลขที่ ว-323-ค-9442

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## Analysis / Test Report

**Client :** Rojana Industrial Management Co., Ltd.  
2034/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkapi, Huaykwang, Bangkok  
Thailand 10310

**P/O :**

**Project Name :** โครงการสวนอุตสาหกรรมปลวกแดง (โรจนะปลวกแดง/ระยอง2)

**Project Location:** Factory

**Lot ID: 2373028**

Date Received : Jul 04, 2023

Date Reported : Jul 08, 2023

Report Number : 2694649-2

Page 1 of 1

**Sample Number** 2373028-1  
**Sampled Date** Jul 04, 2023 10:39 AM  
**Sample Description** Wastewater  
**Location** บริษัท รีอีเอ็ม (ไทยแลนด์) จำกัด : VEM (THAILAND) CO., LTD.  
**Date Analysis Commenced** Jul 06, 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
<b>Water Testing</b>							
Oil & Grease	mg/L	-	3	6	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 D	Bangkok

**Guideline :** Standard of Rojana Industrial park (Rayong 2), Criteria of wastewater drainage from the factory to central wastewater treatment plant.

**Sampling By :** Tanasit Wongsachai ทะเบียนเลขที่ ว-323-จ-9460 , Pattarapol Sawangjaitam ทะเบียนเลขที่ ว-204-จ-0002

Remark :

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

Technical Management

Narin Saiseng  
Supervisor

ทะเบียนเลขที่ ว-204-จ-4715

Approved by

Kanokkorn Anek  
Senior Manager

ทะเบียนเลขที่ ว-204-ค-6111

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## Analysis / Test Report

TESTING  
No.0042

**Client :** Rojana Industrial Management Co., Ltd.  
2034/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkapi, Huaykwang, Bangkok  
Thailand 10310

**Lot ID: 2373029**

Date Received : Jul 04, 2023

Date Reported : Jul 11, 2023

Report Number : 2694650-1

**P/O :**

**Project Name :** โครงการสวนอุตสาหกรรมปลวกแดง (โรจนะปลวกแดง/ระยอง2)

**Project Location:** Factory

Page 1 of 1

<b>Sample Number</b>	2373029-1
<b>Sampled Date</b>	Jul 04, 2023 9:50 AM
<b>Sample Description</b>	Wastewater
<b>Location</b>	บริษัท เซล อินดัสทรี (ไทยแลนด์) จำกัด : SAIL INDUSTRY (THAILAND) CO.,LTD.
<b>Date Analysis Commenced</b>	Jul 04, 2023
<b>Condition of Sample</b>	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
<b>Water Testing</b>							
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	Rayong
COD	mg/L	1.5	25	73	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Rayong
pH at 25 degree C *		-	-	7.8	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	352	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Rayong
Total Kjeldahl Nitrogen as N	mg/L	-	1.0	59.7	≤100	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Norg (C), part NH3 (D)	Rayong
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	Rayong

**Guideline :** Standard of Rojana Industrial park (Rayong 2), Criteria of wastewater drainage from the factory to central wastewater treatment plant.

**Sampling By :** Tanasit Wongsachai ทะเบียนเลขที่ ว-323-จ-9460 , Pattarapol Sawangjaitam ทะเบียนเลขที่ ว-204-จ-0002

**Remark :**

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

**Technical Management**

*N. Banongkit*

Narumon Banchongkit  
Supervisor

ทะเบียนเลขที่ ว-323-จ-9445

**Approved by**

*D. Changchon*

Dej Changchon  
Senior Manager

ทะเบียนเลขที่ ว-323-ค-9442

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2034/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkapi, Huaykwang, Bangkok  
Thailand 10310

**P/O :**

**Project Name :** โครงการสวนอุตสาหกรรมปลวกแดง (โรจนะปลวกแดง/ระยอง2)

**Project Location:** Factory

**Lot ID: 2373029**

Date Received : Jul 04, 2023

Date Reported : Jul 08, 2023

Report Number : 2694650-2

Page 1 of 1

**Sample Number** 2373029-1  
**Sampled Date** Jul 04, 2023 9:50 AM  
**Sample Description** Wastewater  
**Location** บริษัท เซล อินดัสทรี (ไทยแลนด์) จำกัด : SAIL INDUSTRY (THAILAND) CO.,LTD.  
**Date Analysis Commenced** Jul 06, 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
<b>Water Testing</b>							
Oil & Grease	mg/L	-	3	6	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 D	Bangkok

**Guideline :** Standard of Rojana Industrial park (Rayong 2), Criteria of wastewater drainage from the factory to central wastewater treatment plant.

**Sampling By :** Tanasit Wongsachai ทะเบียนเลขที่ ว-323-จ-9460 , Pattarapol Sawangjaitam ทะเบียนเลขที่ ว-204-จ-0002

Remark :

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

Technical Management

Narin Saiseng  
Supervisor

ทะเบียนเลขที่ ว-204-จ-4715

Approved by

Kanokkorn Anek  
Senior Manager

ทะเบียนเลขที่ ว-204-ค-6111

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## Analysis / Test Report

TESTING  
No.0042

**Client :** Rojana Industrial Management Co., Ltd.  
2034/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkapi, Huaykwang, Bangkok  
Thailand 10310

**Lot ID: 2373030**

Date Received : Jul 04, 2023

Date Reported : Jul 11, 2023

Report Number : 2694651-1

**P/O :**

**Project Name :** โครงการสวนอุตสาหกรรมปลวกแดง (โรจนะปลวกแดง/ระยอง2)

**Project Location :** Factory

Page 1 of 1

<b>Sample Number</b>	2373030-1
<b>Sampled Date</b>	Jul 04, 2023 9:31 AM
<b>Sample Description</b>	Wastewater
<b>Location</b>	บริษัท กัลลอง (ประเทศไทย) จำกัด (จุดที่ 1) : GEELONG (THAILAND) CO.,LTD.
<b>Date Analysis Commenced</b>	Jul 04, 2023
<b>Condition of Sample</b>	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
<b>Water Testing</b>							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	17.0	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	104	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Rayong
pH at 25 degree C *		-	-	8.1	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	348	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Rayong
Total Kjeldahl Nitrogen as N	mg/L	-	1.0	30.0	≤100	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Norg (C), part NH3 (D)	Rayong
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	Rayong

**Guideline :** Standard of Rojana Industrial park (Rayong 2), Criteria of wastewater drainage from the factory to central wastewater treatment plant.

**Sampling By :** Tanasit Wongsachai ทะเบียนเลขที่ ว-323-จ-9460 , Pattarapol Sawangjaitam ทะเบียนเลขที่ ว-204-จ-0002

**Remark :**

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**Technical Management**

*N. Banongkit*

Narumon Banchongkit  
Supervisor

ทะเบียนเลขที่ ว-323-จ-9445

**Approved by**

*D. Changchon*

Dej Changchon  
Senior Manager

ทะเบียนเลขที่ ว-323-ค-9442

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2034/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkapi, Huaykwang, Bangkok  
Thailand 10310

**P/O :**

**Project Name :** โครงการสวนอุตสาหกรรมปลวกแดง (โรจนะปลวกแดง/ระยอง2)

**Project Location:** Factory

**Lot ID: 2373030**

Date Received : Jul 04, 2023

Date Reported : Jul 08, 2023

Report Number : 2694651-2

Page 1 of 1

**Sample Number** 2373030-1  
**Sampled Date** Jul 04, 2023 9:31 AM  
**Sample Description** Wastewater  
**Location** บริษัท กัลลอง (ประเทศไทย) จำกัด (จุดที่ 1) : GEELONG (THAILAND) CO.,LTD.  
**Date Analysis Commenced** Jul 06, 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
<b>Water Testing</b>							
Oil & Grease	mg/L	-	3	15	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 D	Bangkok

**Guideline :** Standard of Rojana Industrial park (Rayong 2), Criteria of wastewater drainage from the factory to central wastewater treatment plant.

**Sampling By :** Tanasit Wongsachai ทะเบียนเลขที่ ว-323-จ-9460 , Pattarapol Sawangjaitam ทะเบียนเลขที่ ว-204-จ-0002

Remark :

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

Technical Management

Narin Saiseng  
Supervisor

ทะเบียนเลขที่ ว-204-จ-4715

Approved by

Kanokkorn Anek  
Senior Manager

ทะเบียนเลขที่ ว-204-ค-6111

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## Analysis / Test Report

TESTING  
No.0042

**Client :** Rojana Industrial Management Co., Ltd.  
2034/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkapi, Huaykwang, Bangkok  
Thailand 10310

**Lot ID: 2373031**

Date Received : Jul 04, 2023

Date Reported : Jul 11, 2023

Report Number : 2694652-1

**P/O :**

**Project Name :** โครงการสวนอุตสาหกรรมปลวกแดง (โรจนะปลวกแดง/ระยอง2)

**Project Location:** Factory

Page 1 of 1

<b>Sample Number</b>	2373031-1
<b>Sampled Date</b>	Jul 04, 2023 9:40 AM
<b>Sample Description</b>	Wastewater
<b>Location</b>	บริษัท กัลลอง (ประเทศไทย) จำกัด (จุดที่ 2) : GEELONG (THAILAND) CO.,LTD.
<b>Date Analysis Commenced</b>	Jul 04, 2023
<b>Condition of Sample</b>	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
<b>Water Testing</b>							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	12.4	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	67	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Rayong
pH at 25 degree C *		-	-	7.9	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	300	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Rayong
Total Kjeldahl Nitrogen as N	mg/L	-	1.0	44.2	≤100	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Norg (C), part NH3 (D)	Rayong
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	Rayong

**Guideline :** Standard of Rojana Industrial park (Rayong 2), Criteria of wastewater drainage from the factory to central wastewater treatment plant.

**Sampling By :** Tanasit Wongsachai ทะเบียนเลขที่ ว-323-จ-9460 , Pattarapol Sawangjaitam ทะเบียนเลขที่ ว-204-จ-0002

**Remark :**

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**Technical Management**

*N. Banchongkit*

Narumon Banchongkit

Supervisor

ทะเบียนเลขที่ ว-323-จ-9445

**Approved by**

*D. Changchon*

Dej Changchon

Senior Manager

ทะเบียนเลขที่ ว-323-ค-9442

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2034/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkapi, Huaykwang, Bangkok  
Thailand 10310

**P/O :**

**Project Name :** โครงการสวนอุตสาหกรรมปลวกแดง (โรจนะปลวกแดง/ระยอง2)

**Project Location:** Factory

**Lot ID: 2373031**

Date Received : Jul 04, 2023

Date Reported : Jul 08, 2023

Report Number : 2694652-2

Page 1 of 1

**Sample Number** 2373031-1  
**Sampled Date** Jul 04, 2023 9:40 AM  
**Sample Description** Wastewater  
**Location** บริษัท กัลลอง (ประเทศไทย) จำกัด (จุดที่ 2) : GEELONG (THAILAND) CO.,LTD.  
**Date Analysis Commenced** Jul 06, 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
<b>Water Testing</b>							
Oil & Grease	mg/L	-	3	7	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 D	Bangkok

**Guideline :** Standard of Rojana Industrial park (Rayong 2), Criteria of wastewater drainage from the factory to central wastewater treatment plant.

**Sampling By :** Tanasit Wongsachai ทะเบียนเลขที่ ว-323-จ-9460 , Pattarapol Sawangjaitam ทะเบียนเลขที่ ว-204-จ-0002

Remark :

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

Technical Management

Narin Saiseng  
Supervisor

ทะเบียนเลขที่ ว-204-จ-4715

Approved by

Kanokkorn Anek  
Senior Manager

ทะเบียนเลขที่ ว-204-ค-6111

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## Analysis / Test Report

TESTING  
No.0042

**Client :** Rojana Industrial Management Co., Ltd.  
2034/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkapi, Huaykwang, Bangkok  
Thailand 10310

**Lot ID: 2373032**

Date Received : Jul 04, 2023

Date Reported : Jul 11, 2023

Report Number : 2694653-1

**P/O :**

**Project Name :** โครงการสวนอุตสาหกรรมปลวกแดง (โรจนะปลวกแดง/ระยอง2)

**Project Location:** Factory

Page 1 of 1

<b>Sample Number</b>	2373032-1
<b>Sampled Date</b>	Jul 04, 2023 10:05 AM
<b>Sample Description</b>	Wastewater
<b>Location</b>	บริษัท ซิลแม็กซ์ ซีลลิ่ง โซลูชั่น จำกัด : SILMAX SEALING SOLUTION CO.,LTD.
<b>Date Analysis Commenced</b>	Jul 04, 2023
<b>Condition of Sample</b>	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
<b>Water Testing</b>							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	83.8	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	234	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Rayong
pH at 25 degree C *		-	-	7.7	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	440	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Rayong
Total Kjeldahl Nitrogen as N	mg/L	-	1.0	135	≤100	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Norg (C), part NH3 (D)	Rayong
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	Rayong

**Guideline :** Standard of Rojana Industrial park (Rayong 2), Criteria of wastewater drainage from the factory to central wastewater treatment plant.

**Sampling By :** Tanasit Wongsachai ทะเบียนเลขที่ ว-323-จ-9460 , Pattarapol Sawangjaitam ทะเบียนเลขที่ ว-204-จ-0002

**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**

*N. Banchongkit*

Narumon Banchongkit  
Supervisor

ทะเบียนเลขที่ ว-323-จ-9445

**Approved by**

*D. Changchon*

Dej Changchon  
Senior Manager

ทะเบียนเลขที่ ว-323-ค-9442

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## Analysis / Test Report

**Client :** Rojana Industrial Management Co., Ltd.  
2034/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkok, Huaykwang, Bangkok  
Thailand 10310

**P/O :**

**Project Name :** โครงการสวนอุตสาหกรรมปลวกแดง (โรจนะปลวกแดง/ระยอง2)

**Project Location:** Factory

**Lot ID: 2373032**

Date Received : Jul 04, 2023

Date Reported : Jul 08, 2023

Report Number : 2694653-2

Page 1 of 1

<b>Sample Number</b>	2373032-1
<b>Sampled Date</b>	Jul 04, 2023 10:05 AM
<b>Sample Description</b>	Wastewater
<b>Location</b>	บริษัท ซิลแม็กซ์ ซีลลิ่ง โซลูชั่น จำกัด : SILMAX SEALING SOLUTION CO.,LTD.
<b>Date Analysis Commenced</b>	Jul 06, 2023
<b>Condition of Sample</b>	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
<b>Water Testing</b>							
Oil & Grease	mg/L	-	3	8	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 D	Bangkok

**Guideline :** Standard of Rojana Industrial park (Rayong 2), Criteria of wastewater drainage from the factory to central wastewater treatment plant.

**Sampling By :** Tanasit Wongsachai ทะเบียนเลขที่ ว-323-จ-9460 , Pattarapol Sawangjaitam ทะเบียนเลขที่ ว-204-จ-0002

Remark :

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

Technical Management

Narin Saiseng  
Supervisor

ทะเบียนเลขที่ ว-204-จ-4715

Approved by

Kanokkorn Anek  
Senior Manager

ทะเบียนเลขที่ ว-204-ค-6111

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## Analysis / Test Report

TESTING  
No.0042

**Client :** Rojana Industrial Management Co., Ltd.  
2034/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkapi, Huaykwang, Bangkok  
Thailand 10310

**Lot ID: 2373033**

Date Received : Jul 04, 2023

Date Reported : Jul 11, 2023

Report Number : 2694654-1

**P/O :**

**Project Name :** โครงการสวนอุตสาหกรรมปลวกแดง (โรจนะปลวกแดง/ระยอง2)

**Project Location:** Factory

Page 1 of 1

<b>Sample Number</b>	2373033-1
<b>Sampled Date</b>	Jul 04, 2023 10:30 AM
<b>Sample Description</b>	Wastewater
<b>Location</b>	บริษัท เขียนกง พรีซิชั่น ทูลส์ (ประเทศไทย) จำกัด : TIANGONG PRECISION TOOLS (THAILAND)
<b>Date Analysis Commenced</b>	Jul 04, 2023
<b>Condition of Sample</b>	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
<b>Water Testing</b>							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	50.4	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	258	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Rayong
pH at 25 degree C *		-	-	7.4	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	284	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Rayong
Total Kjeldahl Nitrogen as N	mg/L	-	1.0	15.7	≤100	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Norg (C), part NH3 (D)	Rayong
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	Rayong

**Guideline :** Standard of Rojana Industrial park (Rayong 2), Criteria of wastewater drainage from the factory to central wastewater treatment plant.

**Sampling By :** Tanasit Wongsachai ทะเบียนเลขที่ ว-323-จ-9460 , Pattarapol Sawangjaitam ทะเบียนเลขที่ ว-204-จ-0002

**Remark :**

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**Technical Management**

*N. Banchongkit*

Narumon Banchongkit  
Supervisor

ทะเบียนเลขที่ ว-323-จ-9445

**Approved by**

*D. Changchon*

Dej Changchon  
Senior Manager

ทะเบียนเลขที่ ว-323-ค-9442

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2034/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkapi, Huaykwang, Bangkok  
Thailand 10310

**P/O :**

**Project Name :** โครงการสวนอุตสาหกรรมปลวกแดง (โรจนะปลวกแดง/ระยอง2)

**Project Location:** Factory

**Lot ID: 2373033**

Date Received : Jul 04, 2023

Date Reported : Jul 08, 2023

Report Number : 2694654-2

Page 1 of 1

**Sample Number** 2373033-1  
**Sampled Date** Jul 04, 2023 10:30 AM  
**Sample Description** Wastewater  
**Location** บริษัท เทียนกง พรซิชั่น ทูลส์ (ประเทศไทย) จำกัด : TIANGONG PRECISION TOOLS (THAILAND)  
**Date Analysis Commenced** Jul 06, 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
<b>Water Testing</b>							
Oil & Grease	mg/L	-	3	19	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 D	Bangkok

**Guideline :** Standard of Rojana Industrial park (Rayong 2), Criteria of wastewater drainage from the factory to central wastewater treatment plant.

**Sampling By :** Tanasit Wongsachai ทะเบียนเลขที่ ว-323-จ-9460 , Pattarapol Sawangjaitam ทะเบียนเลขที่ ว-204-จ-0002

Remark :

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Technical Management

Narin Saiseng  
Supervisor

ทะเบียนเลขที่ ว-204-จ-4715

Approved by

Kanokkorn Anek  
Senior Manager

ทะเบียนเลขที่ ว-204-ค-6111

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## Analysis / Test Report

TESTING  
No.0042

**Client** : Rojana Industrial Management Co., Ltd.  
2034/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkapi, Huaykwang, Bangkok  
Thailand 10310

**Lot ID: 2381391**

Date Received : Aug 04, 2023

Date Reported : Aug 11, 2023

Report Number : 2715007-1

**P/O :**

**Project Name** : โครงการสวนอุตสาหกรรมปลวกแดง (โรจนะปลวกแดง/ระยอง2)

**Project Location** : Factory

Page 1 of 1

<b>Sample Number</b>	2381391-1
<b>Sampled Date</b>	Aug 04, 2023 10:15 AM
<b>Sample Description</b>	Wastewater
<b>Location</b>	บริษัท กัลฟ์ ฟีด จำกัด : GULF PD COMPANY LIMITED.
<b>Date Analysis Commenced</b>	Aug 04, 2023
<b>Condition of Sample</b>	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
<b>Water Testing</b>							
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	Rayong
COD	mg/L	1.5	25	<25	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Rayong
pH at 25 degree C *		-	-	7.8	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	196	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Rayong
Total Kjeldahl Nitrogen as N	mg/L	-	1.0	<1.0	≤100	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Norg (C), part NH3 (D)	Rayong
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	Rayong

**Guideline** : Standard of Rojana Industrial park (Rayong 2), Criteria of wastewater drainage from the factory to central wastewater treatment plant.

**Sampling By** : Tanasit Wongsachai ทะเบียนเลขที่ ว-323-จ-9460 , Samart Khumphlee ทะเบียนเลขที่ ว-204-จ-7830

**Remark :**

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**Technical Management**

*N. Banongkit*

Narumon Banchongkit  
Supervisor

ทะเบียนเลขที่ ว-323-จ-9445

**Approved by**

*D. Changchon*

Dej Changchon  
Senior Manager

ทะเบียนเลขที่ ว-323-ค-9442

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2034/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkok, Huaykwang, Bangkok  
Thailand 10310

**P/O :**

**Project Name :** โครงการสวนอุตสาหกรรมปลวกแดง (โรจนะปลวกแดง/ระยอง2)

**Project Location:** Factory

**Lot ID: 2381391**

Date Received : Aug 04, 2023

Date Reported : Aug 11, 2023

Report Number : 2715007-2

Page 1 of 1

**Sample Number** 2381391-1  
**Sampled Date** Aug 04, 2023 10:15 AM  
**Sample Description** Wastewater  
**Location** บริษัท กัลฟ์ ฟีด จำกัด : GULF PD COMPANY LIMITED.  
**Date Analysis Commenced** Aug 07, 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
<b>Water Testing</b>							
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 D	Bangkok

**Guideline :** Standard of Rojana Industrial park (Rayong 2), Criteria of wastewater drainage from the factory to central wastewater treatment plant.

**Sampling By :** Tanasit Wongsachai ทะเบียนเลขที่ ว-323-จ-9460 , Samart Khumphlee ทะเบียนเลขที่ ว-204-จ-7830

Remark :

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

Technical Management

Narin Saiseng  
Supervisor

ทะเบียนเลขที่ ว-204-จ-4715

Approved by

Kanokkorn Anek  
Senior Manager

ทะเบียนเลขที่ ว-204-ค-6111

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## Analysis / Test Report

TESTING

No.0042

**Lot ID: 2381392**

Date Received : Aug 04, 2023

Date Reported : Aug 11, 2023

Report Number : 2715010-1

**Client :** Rojana Industrial Management Co., Ltd.

2034/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkapi, Huaykwang, Bangkok  
Thailand 10310

**P/O :**

**Project Name :** โครงการสวนอุตสาหกรรมปลวกแดง (โรจนะปลวกแดง/ระยอง2)

**Project Location:** Factory

Page 1 of 1

<b>Sample Number</b>	2381392-1
<b>Sampled Date</b>	Aug 04, 2023 9:59 AM
<b>Sample Description</b>	Wastewater
<b>Location</b>	บริษัท รีอีเอ็ม (ไทยแลนด์) จำกัด : VEM (THAILAND) CO., LTD.
<b>Date Analysis Commenced</b>	Aug 04, 2023
<b>Condition of Sample</b>	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
<b>Water Testing</b>							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	23.3	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	56	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Rayong
pH at 25 degree C *		-	-	7.3	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	296	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Rayong
Total Kjeldahl Nitrogen as N	mg/L	-	1.0	28.0	≤100	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Norg (C), part NH3 (D)	Rayong
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	Rayong

**Guideline :** Standard of Rojana Industrial park (Rayong 2), Criteria of wastewater drainage from the factory to central wastewater treatment plant.

**Sampling By :** Tanasit Wongsachai ทะเบียนเลขที่ ว-323-จ-9460 , Samart Khumphlee ทะเบียนเลขที่ ว-204-จ-7830

**Remark :**

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**Technical Management**

*N. Banongkit*

Narumon Banchongkit

Supervisor

ทะเบียนเลขที่ ว-323-จ-9445

**Approved by**

*D. Changchon*

Dej Changchon

Senior Manager

ทะเบียนเลขที่ ว-323-ค-9442

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Thailand 10310

**P/O :**

**Project Name :** โครงการสวนอุตสาหกรรมปลวกแดง (โรจนะปลวกแดง/ระยอง2)

**Project Location:** Factory

**Lot ID: 2381392**

Date Received : Aug 04, 2023

Date Reported : Aug 11, 2023

Report Number : 2715010-2

Page 1 of 1

**Sample Number** 2381392-1  
**Sampled Date** Aug 04, 2023 9:59 AM  
**Sample Description** Wastewater  
**Location** บริษัท รีอีเอ็ม (ไทยแลนด์) จำกัด : VEM (THAILAND) CO., LTD.  
**Date Analysis Commenced** Aug 07, 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
<b>Water Testing</b>							
Oil & Grease	mg/L	-	3	3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 D	Bangkok

**Guideline :** Standard of Rojana Industrial park (Rayong 2), Criteria of wastewater drainage from the factory to central wastewater treatment plant.

**Sampling By :** Tanasit Wongsachai ทะเบียนเลขที่ ว-323-จ-9460 , Samart Khumphlee ทะเบียนเลขที่ ว-204-จ-7830

Remark :

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

Technical Management

Narin Saiseng  
Supervisor

ทะเบียนเลขที่ ว-204-จ-4715

Approved by

Kanokkorn Anek  
Senior Manager

ทะเบียนเลขที่ ว-204-ค-6111

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## Analysis / Test Report

TESTING

No.0042

**Lot ID: 2381393**

Date Received : Aug 04, 2023

Date Reported : Aug 11, 2023

Report Number : 2715012-1

**Client :** Rojana Industrial Management Co., Ltd.

2034/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkapi, Huaykwang, Bangkok  
Thailand 10310

**P/O :**

**Project Name :** โครงการสวนอุตสาหกรรมปลวกแดง (โรจนะปลวกแดง/ระยอง2)

**Project Location:** Factory

Page 1 of 1

<b>Sample Number</b>	2381393-1
<b>Sampled Date</b>	Aug 04, 2023 9:30 AM
<b>Sample Description</b>	Wastewater
<b>Location</b>	บริษัท เซล อินดัสทรี (ไทยแลนด์) จำกัด : SAIL INDUSTRY (THAILAND) CO.,LTD.
<b>Date Analysis Commenced</b>	Aug 04, 2023
<b>Condition of Sample</b>	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
<b>Water Testing</b>							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	42.9	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	116	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Rayong
pH at 25 degree C *		-	-	8.0	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	456	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Rayong
Total Kjeldahl Nitrogen as N	mg/L	-	1.0	72.6	≤100	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Norg (C), part NH3 (D)	Rayong
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	Rayong

**Guideline :** Standard of Rojana Industrial park (Rayong 2), Criteria of wastewater drainage from the factory to central wastewater treatment plant.

**Sampling By :** Tanasit Wongsachai ทะเบียนเลขที่ ว-323-จ-9460 , Samart Khumphlee ทะเบียนเลขที่ ว-204-จ-7830

**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**

*N. Banongkit*

Narumon Banchongkit  
Supervisor

ทะเบียนเลขที่ ว-323-จ-9445

**Approved by**

*D. Changchon*

Dej Changchon  
Senior Manager

ทะเบียนเลขที่ ว-323-ค-9442

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2034/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkapi, Huaykwang, Bangkok  
Thailand 10310

**P/O :**

**Project Name :** โครงการสวนอุตสาหกรรมปลวกแดง (โรจนะปลวกแดง/ระยอง2)

**Project Location:** Factory

**Lot ID: 2381393**

Date Received : Aug 04, 2023

Date Reported : Aug 11, 2023

Report Number : 2715012-2

Page 1 of 1

**Sample Number** 2381393-1  
**Sampled Date** Aug 04, 2023 9:30 AM  
**Sample Description** Wastewater  
**Location** บริษัท เซล อินดัสทรี (ไทยแลนด์) จำกัด : SAIL INDUSTRY (THAILAND) CO.,LTD.  
**Date Analysis Commenced** Aug 07, 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
<b>Water Testing</b>							
Oil & Grease	mg/L	-	3	6	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 D	Bangkok

**Guideline :** Standard of Rojana Industrial park (Rayong 2), Criteria of wastewater drainage from the factory to central wastewater treatment plant.

**Sampling By :** Tanasit Wongsachai ทะเบียนเลขที่ ว-323-จ-9460 , Samart Khumphlee ทะเบียนเลขที่ ว-204-จ-7830

Remark :

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

Technical Management

Narin Saiseng  
Supervisor

ทะเบียนเลขที่ ว-204-จ-4715

Approved by

Kanokkorn Anek  
Senior Manager

ทะเบียนเลขที่ ว-204-ค-6111

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## Analysis / Test Report

TESTING

No.0042

**Lot ID: 2381394**

Date Received : Aug 04, 2023

Date Reported : Aug 11, 2023

Report Number : 2715016-1

**Client :** Rojana Industrial Management Co., Ltd.

2034/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkapi, Huaykwang, Bangkok  
Thailand 10310

**P/O :**

**Project Name :** โครงการสวนอุตสาหกรรมปลวกแดง (โรจนะปลวกแดง/ระยอง2)

**Project Location:** Factory

Page 1 of 1

<b>Sample Number</b>	2381394-1
<b>Sampled Date</b>	Aug 04, 2023 9:09 AM
<b>Sample Description</b>	Wastewater
<b>Location</b>	บริษัท กัลลอง (ประเทศไทย) จำกัด (จุดที่ 1) : GEELONG (THAILAND) CO.,LTD.
<b>Date Analysis Commenced</b>	Aug 04, 2023
<b>Condition of Sample</b>	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
<b>Water Testing</b>							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	27.2	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	97	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Rayong
pH at 25 degree C *		-	-	8.3	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	408	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Rayong
Total Kjeldahl Nitrogen as N	mg/L	-	1.0	13.4	≤100	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Norg (C), part NH3 (D)	Rayong
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	Rayong

**Guideline :** Standard of Rojana Industrial park (Rayong 2), Criteria of wastewater drainage from the factory to central wastewater treatment plant.

**Sampling By :** Tanasit Wongsachai ทะเบียนเลขที่ ว-323-จ-9460 , Samart Khumphlee ทะเบียนเลขที่ ว-204-จ-7830

**Remark :**

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

**Technical Management**

*N. Banchongkit*

Narumon Banchongkit

Supervisor

ทะเบียนเลขที่ ว-323-จ-9445

**Approved by**

*D. Changchon*

Dej Changchon

Senior Manager

ทะเบียนเลขที่ ว-323-ค-9442

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2034/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkapi, Huaykwang, Bangkok  
Thailand 10310

**P/O :**

**Project Name :** โครงการสวนอุตสาหกรรมปลวกแดง (โรจนะปลวกแดง/ระยอง2)

**Project Location:** Factory

**Lot ID: 2381394**

Date Received : Aug 04, 2023

Date Reported : Aug 11, 2023

Report Number : 2715016-2

Page 1 of 1

**Sample Number** 2381394-1  
**Sampled Date** Aug 04, 2023 9:09 AM  
**Sample Description** Wastewater  
**Location** บริษัท กัลลอง (ประเทศไทย) จำกัด (จุดที่ 1) : GEELONG (THAILAND) CO.,LTD.  
**Date Analysis Commenced** Aug 07, 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
<b>Water Testing</b>							
Oil & Grease	mg/L	-	3	14	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 D	Bangkok

**Guideline :** Standard of Rojana Industrial park (Rayong 2), Criteria of wastewater drainage from the factory to central wastewater treatment plant.

**Sampling By :** Tanasit Wongsachai ทะเบียนเลขที่ ว-323-จ-9460 , Samart Khumphlee ทะเบียนเลขที่ ว-204-จ-7830

Remark :

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

Technical Management

Narin Saiseng  
Supervisor

ทะเบียนเลขที่ ว-204-จ-4715

Approved by

Kanokkorn Anek  
Senior Manager

ทะเบียนเลขที่ ว-204-ค-6111

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## Analysis / Test Report

TESTING

No.0042

**Lot ID: 2381395**

Date Received : Aug 04, 2023

Date Reported : Aug 11, 2023

Report Number : 2715024-1

**Client :** Rojana Industrial Management Co., Ltd.

2034/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkapi, Huaykwang, Bangkok  
Thailand 10310

**P/O :**

**Project Name :** โครงการสวนอุตสาหกรรมปลวกแดง (โรจนะปลวกแดง/ระยอง2)

**Project Location:** Factory

Page 1 of 1

<b>Sample Number</b>	2381395-1
<b>Sampled Date</b>	Aug 04, 2023 9:20 AM
<b>Sample Description</b>	Wastewater
<b>Location</b>	บริษัท กัลลอง (ประเทศไทย) จำกัด (จุดที่ 2) : GEELONG (THAILAND) CO.,LTD.
<b>Date Analysis Commenced</b>	Aug 04, 2023
<b>Condition of Sample</b>	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
<b>Water Testing</b>							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	20.2	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	48	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Rayong
pH at 25 degree C *		-	-	8.0	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	320	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Rayong
Total Kjeldahl Nitrogen as N	mg/L	-	1.0	64.4	≤100	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Norg (C), part NH3 (D)	Rayong
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	Rayong

**Guideline :** Standard of Rojana Industrial park (Rayong 2), Criteria of wastewater drainage from the factory to central wastewater treatment plant.

**Sampling By :** Tanasit Wongsachai ทะเบียนเลขที่ ว-323-จ-9460 , Samart Khumphlee ทะเบียนเลขที่ ว-204-จ-7830

**Remark :**

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- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
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**Technical Management**

*N. Banchongkit*

Narumon Banchongkit

Supervisor

ทะเบียนเลขที่ ว-323-จ-9445

**Approved by**

*D. Changchon*

Dej Changchon

Senior Manager

ทะเบียนเลขที่ ว-323-ค-9442

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2034/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkok, Huaykwang, Bangkok  
Thailand 10310

**P/O :**

**Project Name :** โครงการสวนอุตสาหกรรมปลวกแดง (โรจนะปลวกแดง/ระยอง2)

**Project Location:** Factory

**Lot ID: 2381395**

Date Received : Aug 04, 2023

Date Reported : Aug 11, 2023

Report Number : 2715024-2

Page 1 of 1

**Sample Number** 2381395-1  
**Sampled Date** Aug 04, 2023 9:20 AM  
**Sample Description** Wastewater  
**Location** บริษัท กัลลอง (ประเทศไทย) จำกัด (จุดที่ 2) : GEELONG (THAILAND) CO.,LTD.  
**Date Analysis Commenced** Aug 09, 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
<b>Water Testing</b>							
Oil & Grease	mg/L	-	3	4	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 D	Bangkok

**Guideline :** Standard of Rojana Industrial park (Rayong 2), Criteria of wastewater drainage from the factory to central wastewater treatment plant.

**Sampling By :** Tanasit Wongsachai ทะเบียนเลขที่ ว-323-จ-9460 , Samart Khumphlee ทะเบียนเลขที่ ว-204-จ-7830

Remark :

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

Technical Management

Narin Saiseng  
Supervisor

ทะเบียนเลขที่ ว-204-จ-4715

Approved by

Kanokkorn Anek  
Senior Manager

ทะเบียนเลขที่ ว-204-ค-6111

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## Analysis / Test Report

TESTING

No.0042

**Lot ID: 2381396**

Date Received : Aug 04, 2023

Date Reported : Aug 11, 2023

Report Number : 2715026-1

**Client :** Rojana Industrial Management Co., Ltd.

2034/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkapi, Huaykwang, Bangkok  
Thailand 10310

**P/O :**

**Project Name :** โครงการสวนอุตสาหกรรมปลวกแดง (โรจนะปลวกแดง/ระยอง2)

**Project Location:** Factory

Page 1 of 1

<b>Sample Number</b>	2381396-1
<b>Sampled Date</b>	Aug 04, 2023 9:38 AM
<b>Sample Description</b>	Wastewater
<b>Location</b>	บริษัท ซิลแม็กซ์ ซีลลิ่ง โซลูชั่น จำกัด : SILMAX SEALING SOLUTION CO.,LTD.
<b>Date Analysis Commenced</b>	Aug 04, 2023
<b>Condition of Sample</b>	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
<b>Water Testing</b>							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	90.7	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	249	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Rayong
pH at 25 degree C *		-	-	7.8	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	504	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Rayong
Total Kjeldahl Nitrogen as N	mg/L	-	1.0	69.4	≤100	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Norg (C), part NH3 (D)	Rayong
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	57	≤200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Rayong

**Guideline :** Standard of Rojana Industrial park (Rayong 2), Criteria of wastewater drainage from the factory to central wastewater treatment plant.

**Sampling By :** Tanasit Wongsachai ทะเบียนเลขที่ ว-323-จ-9460 , Samart Khumphlee ทะเบียนเลขที่ ว-204-จ-7830

**Remark :**

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**Technical Management**

*N. Banchongkit*

Narumon Banchongkit

Supervisor

ทะเบียนเลขที่ ว-323-จ-9445

**Approved by**

*D. Changchon*

Dej Changchon

Senior Manager

ทะเบียนเลขที่ ว-323-ค-9442

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Thailand 10310

**P/O :**

**Project Name :** โครงการสวนอุตสาหกรรมปลวกแดง (โรจนะปลวกแดง/ระยอง2)

**Project Location:** Factory

**Lot ID: 2381396**

Date Received : Aug 04, 2023

Date Reported : Aug 11, 2023

Report Number : 2715026-2

Page 1 of 1

**Sample Number** 2381396-1  
**Sampled Date** Aug 04, 2023 9:38 AM  
**Sample Description** Wastewater  
**Location** บริษัท ซิลแม็กซ์ ซีลลิ่ง โซลูชั่น จำกัด : SILMAX SEALING SOLUTION CO.,LTD.  
**Date Analysis Commenced** Aug 09, 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
<b>Water Testing</b>							
Oil & Grease	mg/L	-	3	13	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 D	Bangkok

**Guideline :** Standard of Rojana Industrial park (Rayong 2), Criteria of wastewater drainage from the factory to central wastewater treatment plant.

**Sampling By :** Tanasit Wongsachai ทะเบียนเลขที่ ว-323-จ-9460 , Samart Khumphlee ทะเบียนเลขที่ ว-204-จ-7830

Remark :

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

Technical Management

Narin Saiseng  
Supervisor

ทะเบียนเลขที่ ว-204-จ-4715

Approved by

Kanokkorn Anek  
Senior Manager

ทะเบียนเลขที่ ว-204-ค-6111

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## Analysis / Test Report

TESTING

No.0042

**Lot ID: 2381397**

Date Received : Aug 04, 2023

Date Reported : Aug 11, 2023

Report Number : 2715029-1

**Client :** Rojana Industrial Management Co., Ltd.

2034/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkapi, Huaykwang, Bangkok  
Thailand 10310

**P/O :**

**Project Name :** โครงการสวนอุตสาหกรรมปลวกแดง (โรจนะปลวกแดง/ระยอง2)

**Project Location:** Factory

Page 1 of 1

<b>Sample Number</b>	2381397-1
<b>Sampled Date</b>	Aug 04, 2023 9:48 AM
<b>Sample Description</b>	Wastewater
<b>Location</b>	บริษัท เทียนกง พรซิชั่น ทูลส์ (ประเทศไทย) จำกัด : TIANGONG PRECISION TOOLS (THAILAND)
<b>Date Analysis Commenced</b>	Aug 04, 2023
<b>Condition of Sample</b>	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
<b>Water Testing</b>							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	33.9	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	102	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Rayong
pH at 25 degree C *		-	-	7.4	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	380	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Rayong
Total Kjeldahl Nitrogen as N	mg/L	-	1.0	46.0	≤100	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Norg (C), part NH3 (D)	Rayong
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	Rayong

**Guideline :** Standard of Rojana Industrial park (Rayong 2), Criteria of wastewater drainage from the factory to central wastewater treatment plant.

**Sampling By :** Tanasit Wongsachai ทะเบียนเลขที่ ว-323-จ-9460 , Samart Khumphlee ทะเบียนเลขที่ ว-204-จ-7830

**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**

*N. Banongkit*

Narumon Banchongkit

Supervisor

ทะเบียนเลขที่ ว-323-จ-9445

**Approved by**

*D. Changchon*

Dej Changchon

Senior Manager

ทะเบียนเลขที่ ว-323-ค-9442

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## Analysis / Test Report

**Client :** Rojana Industrial Management Co., Ltd.  
2034/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkapi, Huaykwang, Bangkok  
Thailand 10310

**P/O :**

**Project Name :** โครงการสวนอุตสาหกรรมปลวกแดง (โรจนะปลวกแดง/ระยอง2)

**Project Location:** Factory

**Lot ID: 2381397**

Date Received : Aug 04, 2023

Date Reported : Aug 11, 2023

Report Number : 2715029-2

Page 1 of 1

**Sample Number** 2381397-1  
**Sampled Date** Aug 04, 2023 9:48 AM  
**Sample Description** Wastewater  
**Location** บริษัท เทียนกง พรีซิชั่น ทูลส์ (ประเทศไทย) จำกัด : TIANGONG PRECISION TOOLS (THAILAND)  
**Date Analysis Commenced** Aug 09, 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
<b>Water Testing</b>							
Oil & Grease	mg/L	-	3	9	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 D	Bangkok

**Guideline :** Standard of Rojana Industrial park (Rayong 2), Criteria of wastewater drainage from the factory to central wastewater treatment plant.

**Sampling By :** Tanasit Wongsachai ทะเบียนเลขที่ ว-323-จ-9460 , Samart Khumphlee ทะเบียนเลขที่ ว-204-จ-7830

Remark :

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

Technical Management

Narin Saiseng  
Supervisor

ทะเบียนเลขที่ ว-204-จ-4715

Approved by

Kanokkorn Anek  
Senior Manager

ทะเบียนเลขที่ ว-204-ค-6111

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## Analysis / Test Report

TESTING

No.0042

**Lot ID: 2396783**

Date Received : Sep 04, 2023

Date Reported : Sep 11, 2023

Report Number : 2749560-1

**Client :** Rojana Industrial Management Co., Ltd.

2034/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkapi, Huaykwang, Bangkok  
Thailand 10310

**P/O :**

**Project Name :** โครงการสวนอุตสาหกรรมปลวกแดง (โรจนะปลวกแดง/ระยอง2)

**Project Location:** Factory

Page 1 of 1

<b>Sample Number</b>	2396783-1
<b>Sampled Date</b>	Sep 04, 2023 11:35 AM
<b>Sample Description</b>	Wastewater
<b>Location</b>	บริษัท กัลฟ์ ฟีด จำกัด : GULF PD COMPANY LIMITED.
<b>Date Analysis Commenced</b>	Sep 04, 2023
<b>Condition of Sample</b>	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
<b>Water Testing</b>							
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	Rayong
COD	mg/L	1.5	25	<25	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Rayong
pH at 25 degree C *		-	-	8.1	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	2900	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Rayong
Total Kjeldahl Nitrogen as N	mg/L	-	1.0	<1.0	≤100	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Norg (C), part NH3 (D)	Rayong
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	Rayong

**Guideline :** Standard of Rojana Industrial park (Rayong 2), Criteria of wastewater drainage from the factory to central wastewater treatment plant.

**Sampling By :** Paramet Sattayakun ทะเบียนเลขที่ ว-323-จ-9476 , Pattarapol Sawangjaitam ทะเบียนเลขที่ ว-204-จ-0002

**Remark :**

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**Technical Management**

*N. Banchongkit*

Narumon Banchongkit  
Supervisor

ทะเบียนเลขที่ ว-323-จ-9445

**Approved by**

*D. Changchon*

Dej Changchon  
Senior Manager

ทะเบียนเลขที่ ว-323-ค-9442

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2034/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkapi, Huaykwang, Bangkok  
Thailand 10310

**P/O :**

**Project Name :** โครงการสวนอุตสาหกรรมปลวกแดง (โรจนะปลวกแดง/ระยอง2)

**Project Location:** Factory

**Lot ID: 2396783**

Date Received : Sep 04, 2023

Date Reported : Sep 08, 2023

Report Number : 2749560-2

Page 1 of 1

<b>Sample Number</b>	2396783-1
<b>Sampled Date</b>	Sep 04, 2023 11:35 AM
<b>Sample Description</b>	Wastewater
<b>Location</b>	บริษัท กัลฟ์ ฟีดส์ จำกัด : GULF PD COMPANY LIMITED.
<b>Date Analysis Commenced</b>	Sep 06, 2023
<b>Condition of Sample</b>	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
<b>Water Testing</b>							
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 D	Bangkok

**Guideline :** Standard of Rojana Industrial park (Rayong 2), Criteria of wastewater drainage from the factory to central wastewater treatment plant.

**Sampling By :** Paramet Sattayakun ทะเบียนเลขที่ ว-323-จ-9476 , Pattarapol Sawangjaitam ทะเบียนเลขที่ ว-204-จ-0002

Remark :

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Technical Management

*Suwimon C.*

Suwimon Chairuangwut  
Scientist (3)

ทะเบียนเลขที่ ว-204-จ-5417

Approved by

*Kanokkorn Anek*

Kanokkorn Anek  
Senior Manager

ทะเบียนเลขที่ ว-204-ค-6111

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## Analysis / Test Report

TESTING

No.0042

**Lot ID: 2396784**

Date Received : Sep 04, 2023

Date Reported : Sep 11, 2023

Report Number : 2749561-1

**Client :** Rojana Industrial Management Co., Ltd.

2034/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkapi, Huaykwang, Bangkok  
Thailand 10310

**P/O :**

**Project Name :** โครงการสวนอุตสาหกรรมปลวกแดง (โรจนะปลวกแดง/ระยอง2)

**Project Location:** Factory

Page 1 of 1

<b>Sample Number</b>	2396784-1
<b>Sampled Date</b>	Sep 04, 2023 11:15 AM
<b>Sample Description</b>	Wastewater
<b>Location</b>	บริษัท รีอีเอ็ม (ไทยแลนด์) จำกัด : VEM (THAILAND) CO., LTD.
<b>Date Analysis Commenced</b>	Sep 04, 2023
<b>Condition of Sample</b>	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
<b>Water Testing</b>							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	16.0	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	64	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Rayong
pH at 25 degree C *		-	-	7.5	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	400	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Rayong
Total Kjeldahl Nitrogen as N	mg/L	-	1.0	12.2	≤100	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Norg (C), part NH3 (D)	Rayong
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	Rayong

**Guideline :** Standard of Rojana Industrial park (Rayong 2), Criteria of wastewater drainage from the factory to central wastewater treatment plant.

**Sampling By :** Paramet Sattayakun ทะเบียนเลขที่ ว-323-จ-9476 , Pattarapol Sawangjaitam ทะเบียนเลขที่ ว-204-จ-0002

**Remark :**

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**Technical Management**

*N. Banchongkit*

Narumon Banchongkit  
Supervisor

ทะเบียนเลขที่ ว-323-จ-9445

**Approved by**

*D. Changchon*

Dej Changchon  
Senior Manager

ทะเบียนเลขที่ ว-323-ค-9442

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Thailand 10310

**P/O :**

**Project Name :** โครงการสวนอุตสาหกรรมปลวกแดง (โรจนะปลวกแดง/ระยอง2)

**Project Location:** Factory

**Lot ID: 2396784**

Date Received : Sep 04, 2023

Date Reported : Sep 08, 2023

Report Number : 2749561-2

Page 1 of 1

**Sample Number** 2396784-1  
**Sampled Date** Sep 04, 2023 11:15 AM  
**Sample Description** Wastewater  
**Location** บริษัท รีอีเอ็ม (ไทยแลนด์) จำกัด : VEM (THAILAND) CO., LTD.  
**Date Analysis Commenced** Sep 06, 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
<b>Water Testing</b>							
Oil & Grease	mg/L	-	3	3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 D	Bangkok

**Guideline :** Standard of Rojana Industrial park (Rayong 2), Criteria of wastewater drainage from the factory to central wastewater treatment plant.

**Sampling By :** Paramet Sattayakun ทะเบียนเลขที่ ว-323-จ-9476 , Pattarapol Sawangjaitam ทะเบียนเลขที่ ว-204-จ-0002

Remark :

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

Technical Management

*Suwimon C.*

Suwimon Chairuangwut  
Scientist (3)  
ทะเบียนเลขที่ ว-204-จ-5417

Approved by

*Kanokkorn Anek*

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

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## Analysis / Test Report

TESTING

No.0042

**Lot ID: 2396785**

Date Received : Sep 04, 2023

Date Reported : Sep 11, 2023

Report Number : 2749563-1

**Client :** Rojana Industrial Management Co., Ltd.

2034/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkapi, Huaykwang, Bangkok  
Thailand 10310

**P/O :**

**Project Name :** โครงการสวนอุตสาหกรรมปลวกแดง (โรจนะปลวกแดง/ระยอง2)

**Project Location :** Factory

Page 1 of 1

<b>Sample Number</b>	2396785-1
<b>Sampled Date</b>	Sep 04, 2023 11:05 AM
<b>Sample Description</b>	Wastewater
<b>Location</b>	บริษัท เซล อินดัสทรี (ไทยแลนด์) จำกัด : SAIL INDUSTRY (THAILAND) CO.,LTD.
<b>Date Analysis Commenced</b>	Sep 04, 2023
<b>Condition of Sample</b>	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
<b>Water Testing</b>							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	18.2	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	84	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Rayong
pH at 25 degree C *		-	-	7.6	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	360	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Rayong
Total Kjeldahl Nitrogen as N	mg/L	-	1.0	20.0	≤100	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Norg (C), part NH3 (D)	Rayong
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	Rayong

**Guideline :** Standard of Rojana Industrial park (Rayong 2), Criteria of wastewater drainage from the factory to central wastewater treatment plant.

**Sampling By :** Paramet Sattayakun ทะเบียนเลขที่ ว-323-จ-9476 , Pattarapol Sawangjaitam ทะเบียนเลขที่ ว-204-จ-0002

**Remark :**

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**Technical Management**

*N. Banongkit*

Narumon Banchongkit  
Supervisor

ทะเบียนเลขที่ ว-323-จ-9445

**Approved by**

*D. Changchon*

Dej Changchon  
Senior Manager

ทะเบียนเลขที่ ว-323-ค-9442

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2034/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkapi, Huaykwang, Bangkok  
Thailand 10310

**P/O :**

**Project Name :** โครงการสวนอุตสาหกรรมปลวกแดง (โรจนะปลวกแดง/ระยอง2)

**Project Location:** Factory

**Lot ID: 2396785**

Date Received : Sep 04, 2023

Date Reported : Sep 08, 2023

Report Number : 2749563-2

Page 1 of 1

**Sample Number** 2396785-1  
**Sampled Date** Sep 04, 2023 11:05 AM  
**Sample Description** Wastewater  
**Location** บริษัท เซล อินดัสทรี (ไทยแลนด์) จำกัด : SAIL INDUSTRY (THAILAND) CO.,LTD.  
**Date Analysis Commenced** Sep 06, 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
<b>Water Testing</b>							
Oil & Grease	mg/L	-	3	4	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 D	Bangkok

**Guideline :** Standard of Rojana Industrial park (Rayong 2), Criteria of wastewater drainage from the factory to central wastewater treatment plant.

**Sampling By :** Paramet Sattayakun ทะเบียนเลขที่ ว-323-จ-9476 , Pattarapol Sawangjaitam ทะเบียนเลขที่ ว-204-จ-0002

Remark :

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

Technical Management

*Suwimon C.*

Suwimon Chairuangwut  
Scientist (3)  
ทะเบียนเลขที่ ว-204-จ-5417

Approved by

*Kanokkorn Anek*

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

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## Analysis / Test Report

TESTING

No.0042

**Lot ID: 2396786**

Date Received : Sep 04, 2023

Date Reported : Sep 11, 2023

Report Number : 2749569-1

**Client :** Rojana Industrial Management Co., Ltd.

2034/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkapi, Huaykwang, Bangkok  
Thailand 10310

**P/O :**

**Project Name :** โครงการสวนอุตสาหกรรมปลวกแดง (โรจนะปลวกแดง/ระยอง2)

**Project Location :** Factory

Page 1 of 1

<b>Sample Number</b>	2396786-1
<b>Sampled Date</b>	Sep 04, 2023 10:40 AM
<b>Sample Description</b>	Wastewater
<b>Location</b>	บริษัท กัลลอง (ประเทศไทย) จำกัด (จุดที่ 1) : GEELONG (THAILAND) CO.,LTD.
<b>Date Analysis Commenced</b>	Sep 04, 2023
<b>Condition of Sample</b>	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
<b>Water Testing</b>							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	18.8	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	110	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Rayong
pH at 25 degree C		-	-	8.3	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	424	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Rayong
Total Kjeldahl Nitrogen as N	mg/L	-	1.0	6.1	≤100	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Norg (C), part NH3 (D)	Rayong
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	Rayong

**Guideline :** Standard of Rojana Industrial park (Rayong 2), Criteria of wastewater drainage from the factory to central wastewater treatment plant.

**Sampling By :** Paramet Sattayakun ทะเบียนเลขที่ ว-323-จ-9476 , Pattarapol Sawangjaitam ทะเบียนเลขที่ ว-204-จ-0002

**Remark :**

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- 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**

*N. Banchongkit*

Narumon Banchongkit  
Supervisor

ทะเบียนเลขที่ ว-323-จ-9445

**Approved by**

*D. Changchon*

Dej Changchon  
Senior Manager

ทะเบียนเลขที่ ว-323-ค-9442

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**Client :** Rojana Industrial Management Co., Ltd.  
2034/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkapi, Huaykwang, Bangkok  
Thailand 10310

**P/O :**

**Project Name :** โครงการสวนอุตสาหกรรมปลวกแดง (โรจนะปลวกแดง/ระยอง2)

**Project Location:** Factory

**Lot ID: 2396786**

Date Received : Sep 04, 2023

Date Reported : Sep 08, 2023

Report Number : 2749569-2

Page 1 of 1

<b>Sample Number</b>	2396786-1
<b>Sampled Date</b>	Sep 04, 2023 10:40 AM
<b>Sample Description</b>	Wastewater
<b>Location</b>	บริษัท กัลลอง (ประเทศไทย) จำกัด (จุดที่ 1) : GEELONG (THAILAND) CO.,LTD.
<b>Date Analysis Commenced</b>	Sep 06, 2023
<b>Condition of Sample</b>	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
<b>Water Testing</b>							
Oil & Grease	mg/L	-	3	10	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 D	Bangkok

**Guideline :** Standard of Rojana Industrial park (Rayong 2), Criteria of wastewater drainage from the factory to central wastewater treatment plant.

**Sampling By :** Paramet Sattayakun ทะเบียนเลขที่ ว-323-จ-9476 , Pattarapol Sawangjaitam ทะเบียนเลขที่ ว-204-จ-0002

Remark :

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

Technical Management

*Suwimon C.*

Suwimon Chairuangwut  
Scientist (3)  
ทะเบียนเลขที่ ว-204-จ-5417

Approved by

*Kanokkorn Anek*

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

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## Analysis / Test Report

TESTING

No.0042

**Lot ID: 2396787**

Date Received : Sep 04, 2023

Date Reported : Sep 11, 2023

Report Number : 2749573-1

**Client :** Rojana Industrial Management Co., Ltd.

2034/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkapi, Huaykwang, Bangkok  
Thailand 10310

**P/O :**

**Project Name :** โครงการสวนอุตสาหกรรมปลวกแดง (โรจนะปลวกแดง/ระยอง2)

**Project Location :** Factory

Page 1 of 1

<b>Sample Number</b>	2396787-1
<b>Sampled Date</b>	Sep 04, 2023 10:50 AM
<b>Sample Description</b>	Wastewater
<b>Location</b>	บริษัท กัลลอง (ประเทศไทย) จำกัด (จุดที่ 2) : GEELONG (THAILAND) CO.,LTD.
<b>Date Analysis Commenced</b>	Sep 04, 2023
<b>Condition of Sample</b>	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
<b>Water Testing</b>							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	15.0	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	116	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Rayong
pH at 25 degree C *		-	-	8.1	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	396	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Rayong
Total Kjeldahl Nitrogen as N	mg/L	-	1.0	46.9	≤100	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Norg (C), part NH3 (D)	Rayong
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	Rayong

**Guideline :** Standard of Rojana Industrial park (Rayong 2), Criteria of wastewater drainage from the factory to central wastewater treatment plant.

**Sampling By :** Paramet Sattayakun ทะเบียนเลขที่ ว-323-จ-9476 , Pattarapol Sawangjaitam ทะเบียนเลขที่ ว-204-จ-0002

**Remark :**

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

**Technical Management**

*N. Banongkit*

Narumon Banchongkit  
Supervisor

ทะเบียนเลขที่ ว-323-จ-9445

**Approved by**

*D. Changchon*

Dej Changchon  
Senior Manager

ทะเบียนเลขที่ ว-323-ค-9442

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Thailand 10310

**P/O :**

**Project Name :** โครงการสวนอุตสาหกรรมปลวกแดง (โรจนะปลวกแดง/ระยอง2)

**Project Location:** Factory

**Lot ID: 2396787**

Date Received : Sep 04, 2023

Date Reported : Sep 08, 2023

Report Number : 2749573-2

Page 1 of 1

**Sample Number** 2396787-1  
**Sampled Date** Sep 04, 2023 10:50 AM  
**Sample Description** Wastewater  
**Location** บริษัท กัลลอง (ประเทศไทย) จำกัด (จุดที่ 2) : GEELONG (THAILAND) CO.,LTD.  
**Date Analysis Commenced** Sep 06, 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
<b>Water Testing</b>							
Oil & Grease	mg/L	-	3	5	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 D	Bangkok

**Guideline :** Standard of Rojana Industrial park (Rayong 2), Criteria of wastewater drainage from the factory to central wastewater treatment plant.

**Sampling By :** Paramet Sattayakun ทะเบียนเลขที่ ว-323-จ-9476 , Pattarapol Sawangjaitam ทะเบียนเลขที่ ว-204-จ-0002

Remark :

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

Technical Management

*Suwimon C.*

Suwimon Chairuangwut  
Scientist (3)  
ทะเบียนเลขที่ ว-204-จ-5417

Approved by

*Kanokkorn Anek*

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

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## Analysis / Test Report

TESTING

No.0042

**Lot ID: 2396788**

Date Received : Sep 04, 2023

Date Reported : Sep 11, 2023

Report Number : 2749574-1

**Client :** Rojana Industrial Management Co., Ltd.

2034/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkapi, Huaykwang, Bangkok  
Thailand 10310

**P/O :**

**Project Name :** โครงการสวนอุตสาหกรรมปลวกแดง (โรจนะปลวกแดง/ระยอง2)

**Project Location:** Factory

Page 1 of 1

<b>Sample Number</b>	2396788-1
<b>Sampled Date</b>	Sep 04, 2023 3:10 PM
<b>Sample Description</b>	Wastewater
<b>Location</b>	บริษัท ซิลแม็กซ์ ซีลลิ่ง โซลูชั่น จำกัด : SILMAX SEALING SOLUTION CO.,LTD.
<b>Date Analysis Commenced</b>	Sep 04, 2023
<b>Condition of Sample</b>	Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)c

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Water Testing</b>							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	100	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	263	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Rayong
pH at 25 degree C *		-	-	8.0	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	592	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Rayong
Total Kjeldahl Nitrogen as N	mg/L	-	1.0	43.2	≤100	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Norg (C), part NH3 (D)	Rayong
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	Rayong

**Guideline :** Standard of Rojana Industrial park (Rayong 2), Criteria of wastewater drainage from the factory to central wastewater treatment plant.

**Sampling By :** Paramet Sattayakun ทะเบียนเลขที่ ว-323-จ-9476 , Pattarapol Sawangjaitam ทะเบียนเลขที่ ว-204-จ-0002

**Remark :**

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

**Technical Management**

*N. Banchongkit*

Narumon Banchongkit  
Supervisor

ทะเบียนเลขที่ ว-323-จ-9445

**Approved by**

*D. Changchon*

Dej Changchon  
Senior Manager

ทะเบียนเลขที่ ว-323-ค-9442

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2034/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkapi, Huaykwang, Bangkok  
Thailand 10310

**P/O :**

**Project Name :** โครงการสวนอุตสาหกรรมปลวกแดง (โรจนะปลวกแดง/ระยอง2)

**Project Location:** Factory

**Lot ID: 2396788**

Date Received : Sep 04, 2023

Date Reported : Sep 08, 2023

Report Number : 2749574-2

Page 1 of 1

<b>Sample Number</b>	2396788-1
<b>Sampled Date</b>	Sep 04, 2023 3:10 PM
<b>Sample Description</b>	Wastewater
<b>Location</b>	บริษัท ซิลแม็กซ์ ซีลลิ่ง โซลูชั่น จำกัด : SILMAX SEALING SOLUTION CO.,LTD.
<b>Date Analysis Commenced</b>	Sep 06, 2023
<b>Condition of Sample</b>	Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)c

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Water Testing</b>							
Oil & Grease	mg/L	-	3	9	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 D	Bangkok

**Guideline :** Standard of Rojana Industrial park (Rayong 2), Criteria of wastewater drainage from the factory to central wastewater treatment plant.

**Sampling By :** Paramet Sattayakun ทะเบียนเลขที่ ว-323-จ-9476 , Pattarapol Sawangjaitam ทะเบียนเลขที่ ว-204-จ-0002

Remark :

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

Technical Management

*Suwimon C.*

Suwimon Chairuangwut  
Scientist (3)  
ทะเบียนเลขที่ ว-204-จ-5417

Approved by

*Kanokkorn Anek*

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

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## Analysis / Test Report

TESTING

No.0042

**Lot ID: 2396789**

Date Received : Sep 04, 2023

Date Reported : Sep 11, 2023

Report Number : 2749576-1

**Client :** Rojana Industrial Management Co., Ltd.

2034/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkapi, Huaykwang, Bangkok  
Thailand 10310

**P/O :**

**Project Name :** โครงการสวนอุตสาหกรรมปลวกแดง (โรจนะปลวกแดง/ระยอง2)

**Project Location:** Factory

Page 1 of 1

<b>Sample Number</b>	2396789-1
<b>Sampled Date</b>	Sep 04, 2023 3:00 PM
<b>Sample Description</b>	Wastewater
<b>Location</b>	บริษัท เทียนกง พรซิชั่น ทูลส์ (ประเทศไทย) จำกัด : TIANGONG PRECISION TOOLS (THAILAND)
<b>Date Analysis Commenced</b>	Sep 04, 2023
<b>Condition of Sample</b>	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
<b>Water Testing</b>							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	15.3	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	48	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Rayong
pH at 25 degree C *		-	-	7.5	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	356	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Rayong
Total Kjeldahl Nitrogen as N	mg/L	-	1.0	14.7	≤100	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Norg (C), part NH3 (D)	Rayong
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	Rayong

**Guideline :** Standard of Rojana Industrial park (Rayong 2), Criteria of wastewater drainage from the factory to central wastewater treatment plant.

**Sampling By :** Paramet Sattayakun ทะเบียนเลขที่ ว-323-จ-9476 , Pattarapol Sawangjaitam ทะเบียนเลขที่ ว-204-จ-0002

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**Technical Management**

*N. Banchongkit*

Narumon Banchongkit  
Supervisor

ทะเบียนเลขที่ ว-323-จ-9445

**Approved by**

*D. Changchon*

Dej Changchon  
Senior Manager

ทะเบียนเลขที่ ว-323-ค-9442

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## Analysis / Test Report

**Client :** Rojana Industrial Management Co., Ltd.  
2034/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkapi, Huaykwang, Bangkok  
Thailand 10310

**P/O :**

**Project Name :** โครงการสวนอุตสาหกรรมปลวกแดง (โรจนะปลวกแดง/ระยอง2)

**Project Location:** Factory

**Lot ID: 2396789**

Date Received : Sep 04, 2023

Date Reported : Sep 08, 2023

Report Number : 2749576-2

Page 1 of 1

<b>Sample Number</b>	2396789-1
<b>Sampled Date</b>	Sep 04, 2023 3:00 PM
<b>Sample Description</b>	Wastewater
<b>Location</b>	บริษัท เทียนกง พรซิชั่น ทูลส์ (ประเทศไทย) จำกัด : TIANGONG PRECISION TOOLS (THAILAND)
<b>Date Analysis Commenced</b>	Sep 06, 2023
<b>Condition of Sample</b>	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
<b>Water Testing</b>							
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 D	Bangkok

**Guideline :** Standard of Rojana Industrial park (Rayong 2), Criteria of wastewater drainage from the factory to central wastewater treatment plant.

**Sampling By :** Paramet Sattayakun ทะเบียนเลขที่ ว-323-จ-9476 , Pattarapol Sawangjaitam ทะเบียนเลขที่ ว-204-จ-0002

Remark :

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

Technical Management

*Suwimon C.*

Suwimon Chairuangwut  
Scientist (3)  
ทะเบียนเลขที่ ว-204-จ-5417

Approved by

*Kanokkorn Anek*

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

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## Analysis / Test Report

TESTING

No.0042

**Lot ID: 23114437**

Date Received : Oct 02, 2023

Date Reported : Oct 09, 2023

Report Number : 2792511-1

**Client :** Rojana Industrial Management Co., Ltd.

2034/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkapi, Huaykwang, Bangkok  
Thailand 10310

**P/O :**

**Project Name :** โครงการสวนอุตสาหกรรมปลวกแดง (โรจนะปลวกแดง/ระยอง2)

**Project Location:** Factory

Page 1 of 1

<b>Sample Number</b>	23114437-1
<b>Sampled Date</b>	Oct 02, 2023 11:40 AM
<b>Sample Description</b>	Wastewater
<b>Location</b>	บริษัท กัลฟ์ ฟีด จำกัด : GULF PD COMPANY LIMITED.
<b>Date Analysis Commenced</b>	Oct 02, 2023
<b>Condition of Sample</b>	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
<b>Water Testing</b>							
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	Rayong
COD	mg/L	1.5	25	<25	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Rayong
pH at 25 degree C *		-	-	8.1	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	99	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Rayong
Total Kjeldahl Nitrogen as N	mg/L	-	1.0	1.2	≤100	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Norg (C), part NH3 (D)	Rayong
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	Rayong

**Guideline :** Standard of Rojana Industrial park (Rayong 2), Criteria of wastewater drainage from the factory to central wastewater treatment plant.

**Sampling By :** Tanasit Wongsachai ทะเบียนเลขที่ ว-323-จ-9460 , Samart Khumphlee ทะเบียนเลขที่ ว-204-จ-7830

Remark :

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- 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

*N. Banchongkit*

Narumon Banchongkit  
Supervisor

ทะเบียนเลขที่ ว-323-จ-9445

Approved by

*D. Changchon*

Dej Changchon  
Senior Manager

ทะเบียนเลขที่ ว-323-ค-9442

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## Analysis / Test Report

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2034/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkapi, Huaykwang, Bangkok  
Thailand 10310

**P/O :**

**Project Name :** โครงการสวนอุตสาหกรรมปลวกแดง (โรจนะปลวกแดง/ระยอง2)

**Project Location:** Factory

**Lot ID: 23114437**

Date Received : Oct 02, 2023

Date Reported : Oct 07, 2023

Report Number : 2792511-2

Page 1 of 1

<b>Sample Number</b>	23114437-1
<b>Sampled Date</b>	Oct 02, 2023 11:40 AM
<b>Sample Description</b>	Wastewater
<b>Location</b>	บริษัท กัลฟ์ ฟีดส์ จำกัด : GULF PD COMPANY LIMITED.
<b>Date Analysis Commenced</b>	Oct 03, 2023
<b>Condition of Sample</b>	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
<b>Water Testing</b>							
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 D	Bangkok

**Guideline :** Standard of Rojana Industrial park (Rayong 2), Criteria of wastewater drainage from the factory to central wastewater treatment plant.

**Sampling By :** Tanasit Wongsachai ทะเบียนเลขที่ ว-323-จ-9460 , Samart Khumphlee ทะเบียนเลขที่ ว-204-จ-7830

Remark :

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

Technical Management

*Suwimon C.*

Suwimon Chairuangwut  
Scientist (3)  
ทะเบียนเลขที่ ว-204-จ-5417

Approved by

*Kanokkorn Anek*

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

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## Analysis / Test Report

TESTING

No.0042

**Lot ID: 23114438**

Date Received : Oct 02, 2023

Date Reported : Oct 09, 2023

Report Number : 2792513-1

**Client :** Rojana Industrial Management Co., Ltd.

2034/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkapi, Huaykwang, Bangkok  
Thailand 10310

**P/O :**

**Project Name :** โครงการสวนอุตสาหกรรมปลวกแดง (โรจนะปลวกแดง/ระยอง2)

**Project Location:** Factory

Page 1 of 1

<b>Sample Number</b>	23114438-1
<b>Sampled Date</b>	Oct 02, 2023 10:40 AM
<b>Sample Description</b>	Wastewater
<b>Location</b>	บริษัท รีอีเอ็ม (ไทยแลนด์) จำกัด : VEM (THAILAND) CO., LTD.
<b>Date Analysis Commenced</b>	Oct 02, 2023
<b>Condition of Sample</b>	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
<b>Water Testing</b>							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	22.0	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	83	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Rayong
pH at 25 degree C *		-	-	7.4	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	344	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Rayong
Total Kjeldahl Nitrogen as N	mg/L	-	1.0	32.0	≤100	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Norg (C), part NH3 (D)	Rayong
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	Rayong

**Guideline :** Standard of Rojana Industrial park (Rayong 2), Criteria of wastewater drainage from the factory to central wastewater treatment plant.

**Sampling By :** Tanasit Wongsachai ทะเบียนเลขที่ ว-323-จ-9460 , Samart Khumphlee ทะเบียนเลขที่ ว-204-จ-7830

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**Technical Management**

*N. Banongkit*

Narumon Banchongkit

Supervisor

ทะเบียนเลขที่ ว-323-จ-9445

**Approved by**

*D. Changchon*

Dej Changchon

Senior Manager

ทะเบียนเลขที่ ว-323-ค-9442

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2034/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkapi, Huaykwang, Bangkok  
Thailand 10310

**P/O :**

**Project Name :** โครงการสวนอุตสาหกรรมปลวกแดง (โรจนะปลวกแดง/ระยอง2)

**Project Location:** Factory

**Lot ID: 23114438**

Date Received : Oct 02, 2023

Date Reported : Oct 07, 2023

Report Number : 2792513-2

Page 1 of 1

<b>Sample Number</b>	23114438-1
<b>Sampled Date</b>	Oct 02, 2023 10:40 AM
<b>Sample Description</b>	Wastewater
<b>Location</b>	บริษัท รีอีเอ็ม (ไทยแลนด์) จำกัด : VEM (THAILAND) CO., LTD.
<b>Date Analysis Commenced</b>	Oct 03, 2023
<b>Condition of Sample</b>	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
<b>Water Testing</b>							
Oil & Grease	mg/L	-	3	6	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 D	Bangkok

**Guideline :** Standard of Rojana Industrial park (Rayong 2), Criteria of wastewater drainage from the factory to central wastewater treatment plant.

**Sampling By :** Tanasit Wongsachai ทะเบียนเลขที่ ว-323-จ-9460 , Samart Khumphlee ทะเบียนเลขที่ ว-204-จ-7830

Remark :

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

Technical Management

*Suwimon C.*

Suwimon Chairuangwut  
Scientist (3)  
ทะเบียนเลขที่ ว-204-จ-5417

Approved by

*Kanokkorn Anek*

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

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## Analysis / Test Report

TESTING

No.0042

**Lot ID: 23114439**

Date Received : Oct 02, 2023

Date Reported : Oct 09, 2023

Report Number : 2792516-1

**Client :** Rojana Industrial Management Co., Ltd.

2034/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkapi, Huaykwang, Bangkok  
Thailand 10310

**P/O :**

**Project Name :** โครงการสวนอุตสาหกรรมปลวกแดง (โรจนะปลวกแดง/ระยอง2)

**Project Location:** Factory

Page 1 of 1

<b>Sample Number</b>	23114439-1						
<b>Sampled Date</b>	Oct 02, 2023 10:20 AM						
<b>Sample Description</b>	Wastewater						
<b>Location</b>	บริษัท เซล อินดัสทรี (ไทยแลนด์) จำกัด : SAIL INDUSTRY (THAILAND) CO.,LTD.						
<b>Date Analysis Commenced</b>	Oct 02, 2023						
<b>Condition of Sample</b>	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
<b>Water Testing</b>							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	19.4	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	73	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Rayong
pH at 25 degree C		-	-	7.4	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	300	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Rayong
Total Kjeldahl Nitrogen as N	mg/L	-	1.0	31.2	≤100	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Norg (C), part NH3 (D)	Rayong
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	Rayong

**Guideline :** Standard of Rojana Industrial park (Rayong 2), Criteria of wastewater drainage from the factory to central wastewater treatment plant.

**Sampling By :** Tanasit Wongsachai ทะเบียนเลขที่ ว-323-จ-9460 , Samart Khumphlee ทะเบียนเลขที่ ว-204-จ-7830

**Remark :**

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**Technical Management**

*N. Banongkit*

Narumon Banchongkit  
Supervisor

ทะเบียนเลขที่ ว-323-จ-9445

**Approved by**

*D. Changchon*

Dej Changchon  
Senior Manager

ทะเบียนเลขที่ ว-323-ค-9442

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Thailand 10310

**P/O :**

**Project Name :** โครงการสวนอุตสาหกรรมปลวกแดง (โรจนะปลวกแดง/ระยอง2)

**Project Location:** Factory

**Lot ID: 23114439**

Date Received : Oct 02, 2023

Date Reported : Oct 07, 2023

Report Number : 2792516-2

Page 1 of 1

**Sample Number** 23114439-1  
**Sampled Date** Oct 02, 2023 10:20 AM  
**Sample Description** Wastewater  
**Location** บริษัท เซล อินดัสทรี (ไทยแลนด์) จำกัด : SAIL INDUSTRY (THAILAND) CO.,LTD.  
**Date Analysis Commenced** Oct 03, 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
<b>Water Testing</b>							
Oil & Grease	mg/L	-	3	6	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 D	Bangkok

**Guideline :** Standard of Rojana Industrial park (Rayong 2), Criteria of wastewater drainage from the factory to central wastewater treatment plant.

**Sampling By :** Tanasit Wongsachai ทะเบียนเลขที่ ว-323-จ-9460 , Samart Khumphlee ทะเบียนเลขที่ ว-204-จ-7830

Remark :

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Technical Management

*Suwimon C.*

Suwimon Chairuangwut  
Scientist (3)  
ทะเบียนเลขที่ ว-204-จ-5417

Approved by

*Kanokkorn Anek*

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

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## Analysis / Test Report

TESTING

No.0042

**Lot ID: 23114440**

Date Received : Oct 02, 2023

Date Reported : Oct 09, 2023

Report Number : 2792520-1

**Client :** Rojana Industrial Management Co., Ltd.

2034/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkapi, Huaykwang, Bangkok  
Thailand 10310

**P/O :**

**Project Name :** โครงการสวนอุตสาหกรรมปลวกแดง (โรจนะปลวกแดง/ระยอง2)

**Project Location:** Factory

Page 1 of 1

<b>Sample Number</b>	23114440-1
<b>Sampled Date</b>	Oct 02, 2023 9:55 AM
<b>Sample Description</b>	Wastewater
<b>Location</b>	บริษัท กัลลอง (ประเทศไทย) จำกัด (จุดที่ 1) : GEELONG (THAILAND) CO.,LTD.
<b>Date Analysis Commenced</b>	Oct 02, 2023
<b>Condition of Sample</b>	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
<b>Water Testing</b>							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	21.9	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	189	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Rayong
pH at 25 degree C *		-	-	6.6	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	380	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Rayong
Total Kjeldahl Nitrogen as N	mg/L	-	1.0	8.5	≤100	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Norg (C), part NH3 (D)	Rayong
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	51	≤200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Rayong

**Guideline :** Standard of Rojana Industrial park (Rayong 2), Criteria of wastewater drainage from the factory to central wastewater treatment plant.

**Sampling By :** Tanasit Wongsachai ทะเบียนเลขที่ ว-323-จ-9460 , Samart Khumphlee ทะเบียนเลขที่ ว-204-จ-7830

**Remark :**

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

**Technical Management**

*N. Banongkit*

Narumon Banchongkit

Supervisor

ทะเบียนเลขที่ ว-323-จ-9445

**Approved by**

*D. Changchon*

Dej Changchon

Senior Manager

ทะเบียนเลขที่ ว-323-ค-9442

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## Analysis / Test Report

**Client :** Rojana Industrial Management Co., Ltd.  
2034/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkapi, Huaykwang, Bangkok  
Thailand 10310

**P/O :**

**Project Name :** โครงการสวนอุตสาหกรรมปลวกแดง (โรจนะปลวกแดง/ระยอง2)

**Project Location:** Factory

**Lot ID: 23114440**

Date Received : Oct 02, 2023

Date Reported : Oct 07, 2023

Report Number : 2792520-2

Page 1 of 1

<b>Sample Number</b>	23114440-1
<b>Sampled Date</b>	Oct 02, 2023 9:55 AM
<b>Sample Description</b>	Wastewater
<b>Location</b>	บริษัท กัลลอง (ประเทศไทย) จำกัด (จุดที่ 1) : GEELONG (THAILAND) CO.,LTD.
<b>Date Analysis Commenced</b>	Oct 03, 2023
<b>Condition of Sample</b>	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
<b>Water Testing</b>							
Oil & Grease	mg/L	-	3	10	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 D	Bangkok

**Guideline :** Standard of Rojana Industrial park (Rayong 2), Criteria of wastewater drainage from the factory to central wastewater treatment plant.

**Sampling By :** Tanasit Wongsachai ทะเบียนเลขที่ ว-323-จ-9460 , Samart Khumphlee ทะเบียนเลขที่ ว-204-จ-7830

Remark :

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

Technical Management

*Suwimon C.*

Suwimon Chairuangwut  
Scientist (3)  
ทะเบียนเลขที่ ว-204-จ-5417

Approved by

*Kanokkorn Anek*

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

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## Analysis / Test Report

TESTING

No.0042

**Lot ID: 23114441**

Date Received : Oct 02, 2023

Date Reported : Oct 09, 2023

Report Number : 2792523-1

**Client :** Rojana Industrial Management Co., Ltd.

2034/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkapi, Huaykwang, Bangkok  
Thailand 10310

**P/O :**

**Project Name :** โครงการสวนอุตสาหกรรมปลวกแดง (โรจนะปลวกแดง/ระยอง2)

**Project Location:** Factory

Page 1 of 1

<b>Sample Number</b>	23114441-1
<b>Sampled Date</b>	Oct 02, 2023 11:30 AM
<b>Sample Description</b>	Wastewater
<b>Location</b>	บริษัท กัลลอง (ประเทศไทย) จำกัด (จุดที่ 2) : GEELONG (THAILAND) CO.,LTD.
<b>Date Analysis Commenced</b>	Oct 02, 2023
<b>Condition of Sample</b>	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
<b>Water Testing</b>							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	16.0	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	73	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Rayong
pH at 25 degree C *		-	-	8.1	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	288	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Rayong
Total Kjeldahl Nitrogen as N	mg/L	-	1.0	58.9	≤100	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Norg (C), part NH3 (D)	Rayong
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	Rayong

**Guideline :** Standard of Rojana Industrial park (Rayong 2), Criteria of wastewater drainage from the factory to central wastewater treatment plant.

**Sampling By :** Tanasit Wongsachai ทะเบียนเลขที่ ว-323-จ-9460 , Samart Khumphlee ทะเบียนเลขที่ ว-204-จ-7830

Remark :

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Technical Management

*N. Banchongkit*

Narumon Banchongkit

Supervisor

ทะเบียนเลขที่ ว-323-จ-9445

Approved by

*D. Changchon*

Dej Changchon

Senior Manager

ทะเบียนเลขที่ ว-323-ค-9442

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2034/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkok, Huaykwang, Bangkok  
Thailand 10310

**P/O :**

**Project Name :** โครงการสวนอุตสาหกรรมปลวกแดง (โรจนะปลวกแดง/ระยอง2)

**Project Location:** Factory

**Lot ID: 23114441**

Date Received : Oct 02, 2023

Date Reported : Oct 07, 2023

Report Number : 2792523-2

Page 1 of 1

<b>Sample Number</b>	23114441-1
<b>Sampled Date</b>	Oct 02, 2023 11:30 AM
<b>Sample Description</b>	Wastewater
<b>Location</b>	บริษัท กัลลอง (ประเทศไทย) จำกัด (จุดที่ 2) : GEELONG (THAILAND) CO.,LTD.
<b>Date Analysis Commenced</b>	Oct 03, 2023
<b>Condition of Sample</b>	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
<b>Water Testing</b>							
Oil & Grease	mg/L	-	3	5	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 D	Bangkok

**Guideline :** Standard of Rojana Industrial park (Rayong 2), Criteria of wastewater drainage from the factory to central wastewater treatment plant.

**Sampling By :** Tanasit Wongsachai ทะเบียนเลขที่ ว-323-จ-9460 , Samart Khumphlee ทะเบียนเลขที่ ว-204-จ-7830

Remark :

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

Technical Management

*Suwimon C.*

Suwimon Chairuangwut  
Scientist (3)  
ทะเบียนเลขที่ ว-204-จ-5417

Approved by

*Kanokkorn Anek*

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

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## Analysis / Test Report

TESTING

No.0042

**Lot ID: 23114442**

Date Received : Oct 02, 2023

Date Reported : Oct 09, 2023

Report Number : 2792527-1

**Client :** Rojana Industrial Management Co., Ltd.

2034/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkapi, Huaykwang, Bangkok  
Thailand 10310

**P/O :**

**Project Name :** โครงการสวนอุตสาหกรรมปลวกแดง (โรจนะปลวกแดง/ระยอง2)

**Project Location:** Factory

Page 1 of 1

<b>Sample Number</b>	23114442-1
<b>Sampled Date</b>	Oct 02, 2023 10:30 AM
<b>Sample Description</b>	Wastewater
<b>Location</b>	บริษัท ซิลแม็กซ์ ซีลลิ่ง โซลูชั่น จำกัด : SILMAX SEALING SOLUTION CO.,LTD.
<b>Date Analysis Commenced</b>	Oct 02, 2023
<b>Condition of Sample</b>	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
<b>Water Testing</b>							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	61.3	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	242	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Rayong
pH at 25 degree C *		-	-	7.8	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	452	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Rayong
Total Kjeldahl Nitrogen as N	mg/L	-	1.0	96.8	≤100	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Norg (C), part NH3 (D)	Rayong
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	Rayong

**Guideline :** Standard of Rojana Industrial park (Rayong 2), Criteria of wastewater drainage from the factory to central wastewater treatment plant.

**Sampling By :** Tanasit Wongsachai ทะเบียนเลขที่ ว-323-จ-9460 , Samart Khumphlee ทะเบียนเลขที่ ว-204-จ-7830

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**Technical Management**

*N. Banchongkit*

Narumon Banchongkit  
Supervisor

ทะเบียนเลขที่ ว-323-จ-9445

**Approved by**

*D. Changchon*

Dej Changchon  
Senior Manager

ทะเบียนเลขที่ ว-323-ค-9442

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2034/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkapi, Huaykwang, Bangkok  
Thailand 10310

**P/O :**

**Project Name :** โครงการสวนอุตสาหกรรมปลวกแดง (โรจนะปลวกแดง/ระยอง2)

**Project Location:** Factory

**Lot ID: 23114442**

Date Received : Oct 02, 2023

Date Reported : Oct 07, 2023

Report Number : 2792527-2

Page 1 of 1

<b>Sample Number</b>	23114442-1
<b>Sampled Date</b>	Oct 02, 2023 10:30 AM
<b>Sample Description</b>	Wastewater
<b>Location</b>	บริษัท ซิลแม็กซ์ ซีลลิ่ง โซลูชั่น จำกัด : SILMAX SEALING SOLUTION CO.,LTD.
<b>Date Analysis Commenced</b>	Oct 03, 2023
<b>Condition of Sample</b>	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
<b>Water Testing</b>							
Oil & Grease	mg/L	-	3	6	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 D	Bangkok

**Guideline :** Standard of Rojana Industrial park (Rayong 2), Criteria of wastewater drainage from the factory to central wastewater treatment plant.

**Sampling By :** Tanasit Wongsachai ทะเบียนเลขที่ ว-323-จ-9460 , Samart Khumphlee ทะเบียนเลขที่ ว-204-จ-7830

Remark :

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Technical Management

*Suwimon C.*

Suwimon Chairuangwut  
Scientist (3)  
ทะเบียนเลขที่ ว-204-จ-5417

Approved by

*Kanokkorn Anek*

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

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## Analysis / Test Report

TESTING

No.0042

**Lot ID: 23114443**

Date Received : Oct 04, 2023

Date Reported : Oct 11, 2023

Report Number : 2792533-1

**Client :** Rojana Industrial Management Co., Ltd.

2034/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkapi, Huaykwang, Bangkok  
Thailand 10310

**P/O :**

**Project Name :** โครงการสวนอุตสาหกรรมปลวกแดง (โรจนะปลวกแดง/ระยอง2)

**Project Location:** Factory

Page 1 of 1

<b>Sample Number</b>	23114443-1
<b>Sampled Date</b>	Oct 04, 2023 3:54 PM
<b>Sample Description</b>	Wastewater
<b>Location</b>	บริษัท เทียนกง พรซิชั่น ทูลส์ (ประเทศไทย) จำกัด : TIANGONG PRECISION TOOLS (THAILAND)
<b>Date Analysis Commenced</b>	Oct 04, 2023
<b>Condition of Sample</b>	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
<b>Water Testing</b>							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	52.6	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	171	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Rayong
pH at 25 degree C *		-	-	7.4	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	316	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Rayong
Total Kjeldahl Nitrogen as N	mg/L	-	1.0	23.4	≤100	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Norg (C), part NH3 (D)	Rayong
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	Rayong

**Guideline :** Standard of Rojana Industrial park (Rayong 2), Criteria of wastewater drainage from the factory to central wastewater treatment plant.

**Sampling By :** Tanasit Wongsachai ทะเบียนเลขที่ ว-323-จ-9460 , Pattarapol Sawangjaitam ทะเบียนเลขที่ ว-204-จ-0002

**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**

*N. Banchongkit*

Narumon Banchongkit

Supervisor

ทะเบียนเลขที่ ว-323-จ-9445

**Approved by**

*D. Changchon*

Dej Changchon

Senior Manager

ทะเบียนเลขที่ ว-323-ค-9442

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2034/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkapi, Huaykwang, Bangkok  
Thailand 10310

**P/O :**

**Project Name :** โครงการสวนอุตสาหกรรมปลวกแดง (โรจนะปลวกแดง/ระยอง2)

**Project Location:** Factory

**Lot ID: 23114443**

Date Received : Oct 04, 2023

Date Reported : Oct 10, 2023

Report Number : 2792533-2

Page 1 of 1

<b>Sample Number</b>	23114443-1
<b>Sampled Date</b>	Oct 04, 2023 3:54 PM
<b>Sample Description</b>	Wastewater
<b>Location</b>	บริษัท เทียนกง พรซิชั่น ทูลส์ (ประเทศไทย) จำกัด : TIANGONG PRECISION TOOLS (THAILAND)
<b>Date Analysis Commenced</b>	Oct 05, 2023
<b>Condition of Sample</b>	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
<b>Water Testing</b>							
Oil & Grease	mg/L	-	3	8	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 D	Bangkok

**Guideline :** Standard of Rojana Industrial park (Rayong 2), Criteria of wastewater drainage from the factory to central wastewater treatment plant.

**Sampling By :** Tanasit Wongsachai ทะเบียนเลขที่ ว-323-จ-9460 , Pattarapol Sawangjaitam ทะเบียนเลขที่ ว-204-จ-0002

Remark :

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

Technical Management

Siriluk P.

Siriluk Puengpang

Section Head

ทะเบียนเลขที่ ว-204-จ-4720

Approved by

Kanokkorn Anek

Kanokkorn Anek

Senior Manager

ทะเบียนเลขที่ ว-204-ค-6111

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## Analysis / Test Report

TESTING

No.0042

**Lot ID: 23127078**

Date Received : Nov 01, 2023

Date Reported : Nov 08, 2023

Report Number : 2821169-1

**Client :** Rojana Industrial Management Co., Ltd.

2034/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkapi, Huaykwang, Bangkok  
Thailand 10310

**P/O :**

**Project Name :** โครงการสวนอุตสาหกรรมปลวกแดง (โรจนะปลวกแดง/ระยอง2)

**Project Location:** Factory

Page 1 of 1

<b>Sample Number</b>	23127078-1
<b>Sampled Date</b>	Nov 01, 2023 11:50 AM
<b>Sample Description</b>	Wastewater
<b>Location</b>	บริษัท กัลฟ์ ฟีด จำกัด : GULF PD COMPANY LIMITED.
<b>Date Analysis Commenced</b>	Nov 01, 2023
<b>Condition of Sample</b>	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
<b>Water Testing</b>							
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	Rayong
COD	mg/L	1.5	25	<25	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Rayong
pH at 25 degree C *		-	-	8.2	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	156	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Rayong
Total Kjeldahl Nitrogen as N	mg/L	-	1.0	<1.0	≤100	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Norg (C), part NH3 (D)	Rayong
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	Rayong

**Guideline :** Standard of Rojana Industrial park (Rayong 2), Criteria of wastewater drainage from the factory to central wastewater treatment plant.

**Sampling By :** Tanasit Wongsachai ทะเบียนเลขที่ ว-323-จ-9460 , Samart Khumphlee ทะเบียนเลขที่ ว-204-จ-7830

**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**

*N. Banchongkit*

Narumon Banchongkit

Supervisor

ทะเบียนเลขที่ ว-323-จ-9445

**Approved by**

*D. Changchon*

Dej Changchon

Senior Manager

ทะเบียนเลขที่ ว-323-ค-9442

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**Client :** Rojana Industrial Management Co., Ltd.  
2034/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkapi, Huaykwang, Bangkok  
Thailand 10310

**P/O :**

**Project Name :** โครงการสวนอุตสาหกรรมปลวกแดง (โรจนะปลวกแดง/ระยอง2)

**Project Location:** Factory

**Lot ID: 23127078**

Date Received : Nov 01, 2023

Date Reported : Nov 07, 2023

Report Number : 2821169-2

Page 1 of 1

<b>Sample Number</b>	23127078-1
<b>Sampled Date</b>	Nov 01, 2023 11:50 AM
<b>Sample Description</b>	Wastewater
<b>Location</b>	บริษัท กัลฟ์ ฟีด จำกัด : GULF PD COMPANY LIMITED.
<b>Date Analysis Commenced</b>	Nov 02, 2023
<b>Condition of Sample</b>	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
<b>Water Testing</b>							
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 D	Bangkok

**Guideline :** Standard of Rojana Industrial park (Rayong 2), Criteria of wastewater drainage from the factory to central wastewater treatment plant.

**Sampling By :** Tanasit Wongsachai ทะเบียนเลขที่ ว-323-จ-9460 , Samart Khumphlee ทะเบียนเลขที่ ว-204-จ-7830

Remark :

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

Technical Management

*Suwimon C.*

Suwimon Chairuangwut  
Scientist (3)

ทะเบียนเลขที่ ว-204-จ-5417

Approved by

*Kanokkorn Anek*

Kanokkorn Anek  
Senior Manager

ทะเบียนเลขที่ ว-204-ค-6111

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## Analysis / Test Report

TESTING

No.0042

**Lot ID: 23127079**

Date Received : Nov 01, 2023

Date Reported : Nov 08, 2023

Report Number : 2821171-1

**Client :** Rojana Industrial Management Co., Ltd.

2034/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkapi, Huaykwang, Bangkok  
Thailand 10310

**P/O :**

**Project Name :** โครงการสวนอุตสาหกรรมปลวกแดง (โรจนะปลวกแดง/ระยอง2)

**Project Location:** Factory

Page 1 of 1

<b>Sample Number</b>	23127079-1
<b>Sampled Date</b>	Nov 01, 2023 11:02 AM
<b>Sample Description</b>	Wastewater
<b>Location</b>	บริษัท รีอีเอ็ม (ไทยแลนด์) จำกัด : VEM (THAILAND) CO., LTD.
<b>Date Analysis Commenced</b>	Nov 01, 2023
<b>Condition of Sample</b>	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
<b>Water Testing</b>							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	20.6	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	55	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Rayong
pH at 25 degree C *		-	-	7.3	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	376	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Rayong
Total Kjeldahl Nitrogen as N	mg/L	-	1.0	13.9	≤100	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Norg (C), part NH3 (D)	Rayong
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	Rayong

**Guideline :** Standard of Rojana Industrial park (Rayong 2), Criteria of wastewater drainage from the factory to central wastewater treatment plant.

**Sampling By :** Tanasit Wongsachai ทะเบียนเลขที่ ว-323-จ-9460 , Samart Khumphlee ทะเบียนเลขที่ ว-204-จ-7830

**Remark :**

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**Technical Management**

*N. Banchongkit*

Narumon Banchongkit

Supervisor

ทะเบียนเลขที่ ว-323-จ-9445

**Approved by**

*D. Changchon*

Dej Changchon

Senior Manager

ทะเบียนเลขที่ ว-323-ค-9442

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2034/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkok, Huaykwang, Bangkok  
Thailand 10310

**P/O :**

**Project Name :** โครงการสวนอุตสาหกรรมปลวกแดง (โรจนะปลวกแดง/ระยอง2)

**Project Location:** Factory

**Lot ID: 23127079**

Date Received : Nov 01, 2023

Date Reported : Nov 07, 2023

Report Number : 2821171-2

Page 1 of 1

**Sample Number** 23127079-1  
**Sampled Date** Nov 01, 2023 11:02 AM  
**Sample Description** Wastewater  
**Location** บริษัท รีอีเอ็ม (ไทยแลนด์) จำกัด : VEM (THAILAND) CO., LTD.  
**Date Analysis Commenced** Nov 02, 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
<b>Water Testing</b>							
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 D	Bangkok

**Guideline :** Standard of Rojana Industrial park (Rayong 2), Criteria of wastewater drainage from the factory to central wastewater treatment plant.

**Sampling By :** Tanasit Wongsachai ทะเบียนเลขที่ ว-323-จ-9460 , Samart Khumphlee ทะเบียนเลขที่ ว-204-จ-7830

Remark :

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

Technical Management

*Suwimon C.*

Suwimon Chairuangwut  
Scientist (3)  
ทะเบียนเลขที่ ว-204-จ-5417

Approved by

*Kanokkorn Anek*

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

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## Analysis / Test Report

TESTING

No.0042

**Lot ID: 23127080**

Date Received : Nov 01, 2023

Date Reported : Nov 08, 2023

Report Number : 2821173-1

**Client :** Rojana Industrial Management Co., Ltd.

2034/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkapi, Huaykwang, Bangkok  
Thailand 10310

**P/O :**

**Project Name :** โครงการสวนอุตสาหกรรมปลวกแดง (โรจนะปลวกแดง/ระยอง2)

**Project Location:** Factory

Page 1 of 1

<b>Sample Number</b>	23127080-1
<b>Sampled Date</b>	Nov 01, 2023 10:28 AM
<b>Sample Description</b>	Wastewater
<b>Location</b>	บริษัท เซล อินดัสทรี (ไทยแลนด์) จำกัด : SAIL INDUSTRY (THAILAND) CO.,LTD.
<b>Date Analysis Commenced</b>	Nov 01, 2023
<b>Condition of Sample</b>	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
<b>Water Testing</b>							
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 G	Rayong
COD	mg/L	1.5	25	96	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Rayong
pH at 25 degree C *		-	-	8.1	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	444	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Rayong
Total Kjeldahl Nitrogen as N	mg/L	-	1.0	69.6	≤100	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Norg (C), part NH3 (D)	Rayong
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	17	≤200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Rayong

**Guideline :** Standard of Rojana Industrial park (Rayong 2), Criteria of wastewater drainage from the factory to central wastewater treatment plant.

**Sampling By :** Tanasit Wongsachai ทะเบียนเลขที่ ว-323-จ-9460 , Samart Khumphlee ทะเบียนเลขที่ ว-204-จ-7830

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**Technical Management**

*N. Banchongkit*

Narumon Banchongkit  
Supervisor

ทะเบียนเลขที่ ว-323-จ-9445

**Approved by**

*D. Changchon*

Dej Changchon  
Senior Manager

ทะเบียนเลขที่ ว-323-ค-9442

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Thailand 10310

**P/O :**

**Project Name :** โครงการสวนอุตสาหกรรมปลวกแดง (โรจนะปลวกแดง/ระยอง2)

**Project Location:** Factory

**Lot ID: 23127080**

Date Received : Nov 01, 2023

Date Reported : Nov 07, 2023

Report Number : 2821173-2

Page 1 of 1

**Sample Number** 23127080-1  
**Sampled Date** Nov 01, 2023 10:28 AM  
**Sample Description** Wastewater  
**Location** บริษัท เซล อินดัสทรี (ไทยแลนด์) จำกัด : SAIL INDUSTRY (THAILAND) CO.,LTD.  
**Date Analysis Commenced** Nov 02, 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
<b>Water Testing</b>							
Oil & Grease	mg/L	-	3	6	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 D	Bangkok

**Guideline :** Standard of Rojana Industrial park (Rayong 2), Criteria of wastewater drainage from the factory to central wastewater treatment plant.

**Sampling By :** Tanasit Wongsachai ทะเบียนเลขที่ ว-323-จ-9460 , Samart Khumphlee ทะเบียนเลขที่ ว-204-จ-7830

Remark :

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

Technical Management

*Suwimon C.*

Suwimon Chairuangwut  
Scientist (3)  
ทะเบียนเลขที่ ว-204-จ-5417

Approved by

*Kanokkorn Anek*

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

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## Analysis / Test Report

TESTING

No.0042

**Lot ID: 23127081**

Date Received : Nov 01, 2023

Date Reported : Nov 08, 2023

Report Number : 2821174-1

**Client :** Rojana Industrial Management Co., Ltd.

2034/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkapi, Huaykwang, Bangkok  
Thailand 10310

**P/O :**

**Project Name :** โครงการสวนอุตสาหกรรมปลวกแดง (โรจนะปลวกแดง/ระยอง2)

**Project Location:** Factory

Page 1 of 1

<b>Sample Number</b>	23127081-1
<b>Sampled Date</b>	Nov 01, 2023 10:15 AM
<b>Sample Description</b>	Wastewater
<b>Location</b>	บริษัท กัลลอง (ประเทศไทย) จำกัด (จุดที่ 1) : GEELONG (THAILAND) CO.,LTD.
<b>Date Analysis Commenced</b>	Nov 01, 2023
<b>Condition of Sample</b>	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
<b>Water Testing</b>							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	21.8	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	105	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Rayong
pH at 25 degree C *		-	-	8.2	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	420	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Rayong
Total Kjeldahl Nitrogen as N	mg/L	-	1.0	6.7	≤100	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Norg (C), part NH3 (D)	Rayong
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	Rayong

**Guideline :** Standard of Rojana Industrial park (Rayong 2), Criteria of wastewater drainage from the factory to central wastewater treatment plant.

**Sampling By :** Tanasit Wongsachai ทะเบียนเลขที่ ว-323-จ-9460 , Samart Khumphlee ทะเบียนเลขที่ ว-204-จ-7830

**Remark :**

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**Technical Management**

*N. Banongkit*

Narumon Banchongkit  
Supervisor

ทะเบียนเลขที่ ว-323-จ-9445

**Approved by**

*D. Changchon*

Dej Changchon  
Senior Manager

ทะเบียนเลขที่ ว-323-ค-9442

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**P/O :**

**Project Name :** โครงการสวนอุตสาหกรรมปลวกแดง (โรจนะปลวกแดง/ระยอง2)

**Project Location:** Factory

**Lot ID: 23127081**

Date Received : Nov 01, 2023

Date Reported : Nov 07, 2023

Report Number : 2821174-2

Page 1 of 1

**Sample Number** 23127081-1  
**Sampled Date** Nov 01, 2023 10:15 AM  
**Sample Description** Wastewater  
**Location** บริษัท กัลลอง (ประเทศไทย) จำกัด (จุดที่ 1) : GEELONG (THAILAND) CO.,LTD.  
**Date Analysis Commenced** Nov 02, 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
<b>Water Testing</b>							
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 D	Bangkok

**Guideline :** Standard of Rojana Industrial park (Rayong 2), Criteria of wastewater drainage from the factory to central wastewater treatment plant.

**Sampling By :** Tanasit Wongsachai ทะเบียนเลขที่ ว-323-จ-9460 , Samart Khumphlee ทะเบียนเลขที่ ว-204-จ-7830

Remark :

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

Technical Management

*Suwimon C.*

Suwimon Chairuangwut  
Scientist (3)  
ทะเบียนเลขที่ ว-204-จ-5417

Approved by

*Kanokkorn Anek*

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

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## Analysis / Test Report

TESTING

No.0042

**Lot ID: 23127082**

Date Received : Nov 01, 2023

Date Reported : Nov 08, 2023

Report Number : 2821175-1

**Client :** Rojana Industrial Management Co., Ltd.

2034/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkapi, Huaykwang, Bangkok  
Thailand 10310

**P/O :**

**Project Name :** โครงการสวนอุตสาหกรรมปลวกแดง (โรจนะปลวกแดง/ระยอง2)

**Project Location:** Factory

Page 1 of 1

<b>Sample Number</b>	23127082-1
<b>Sampled Date</b>	Nov 01, 2023 10:05 AM
<b>Sample Description</b>	Wastewater
<b>Location</b>	บริษัท กัลลอง (ประเทศไทย) จำกัด (จุดที่ 2) : GEELONG (THAILAND) CO.,LTD.
<b>Date Analysis Commenced</b>	Nov 01, 2023
<b>Condition of Sample</b>	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
<b>Water Testing</b>							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	57.6	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	196	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Rayong
pH at 25 degree C *		-	-	6.8	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	1344	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Rayong
Total Kjeldahl Nitrogen as N	mg/L	-	1.0	149	≤100	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Norg (C), part NH3 (D)	Rayong
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	36	≤200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Rayong

**Guideline :** Standard of Rojana Industrial park (Rayong 2), Criteria of wastewater drainage from the factory to central wastewater treatment plant.

**Sampling By :** Tanasit Wongsachai ทะเบียนเลขที่ ว-323-จ-9460 , Samart Khumphlee ทะเบียนเลขที่ ว-204-จ-7830

**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**

*N. Banchongkit*

Narumon Banchongkit

Supervisor

ทะเบียนเลขที่ ว-323-จ-9445

**Approved by**

*D. Changchon*

Dej Changchon

Senior Manager

ทะเบียนเลขที่ ว-323-ค-9442

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## Analysis / Test Report

**Client :** Rojana Industrial Management Co., Ltd.  
2034/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkok, Huaykwang, Bangkok  
Thailand 10310

**P/O :**

**Project Name :** โครงการสวนอุตสาหกรรมปลวกแดง (โรจนะปลวกแดง/ระยอง2)

**Project Location:** Factory

**Lot ID: 23127082**

Date Received : Nov 01, 2023

Date Reported : Nov 07, 2023

Report Number : 2821175-2

Page 1 of 1

**Sample Number** 23127082-1  
**Sampled Date** Nov 01, 2023 10:05 AM  
**Sample Description** Wastewater  
**Location** บริษัท กัลลอง (ประเทศไทย) จำกัด (จุดที่ 2) : GEELONG (THAILAND) CO.,LTD.  
**Date Analysis Commenced** Nov 02, 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
<b>Water Testing</b>							
Oil & Grease	mg/L	-	3	19	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 D	Bangkok

**Guideline :** Standard of Rojana Industrial park (Rayong 2), Criteria of wastewater drainage from the factory to central wastewater treatment plant.

**Sampling By :** Tanasit Wongsachai ทะเบียนเลขที่ ว-323-จ-9460 , Samart Khumphlee ทะเบียนเลขที่ ว-204-จ-7830

Remark :

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

Technical Management

*Suwimon C.*

Suwimon Chairuangwut  
Scientist (3)  
ทะเบียนเลขที่ ว-204-จ-5417

Approved by

*Kanokkorn Anek*

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

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## Analysis / Test Report

TESTING

No.0042

**Lot ID: 23127083**

Date Received : Nov 01, 2023

Date Reported : Nov 08, 2023

Report Number : 2821176-1

**Client :** Rojana Industrial Management Co., Ltd.

2034/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkapi, Huaykwang, Bangkok  
Thailand 10310

**P/O :**

**Project Name :** โครงการสวนอุตสาหกรรมปลวกแดง (โรจนะปลวกแดง/ระยอง2)

**Project Location :** Factory

Page 1 of 1

<b>Sample Number</b>	23127083-1
<b>Sampled Date</b>	Nov 01, 2023
<b>Sample Description</b>	Wastewater
<b>Location</b>	บริษัท ซิลแม็กซ์ ซีลลิ่ง โซลูชั่น จำกัด : SILMAX SEALING SOLUTION CO.,LTD.
<b>Date Analysis Commenced</b>	Nov 01, 2023
<b>Condition of Sample</b>	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
<b>Water Testing</b>							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	78.3	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	220	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Rayong
pH at 25 degree C *		-	-	7.8	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	472	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Rayong
Total Kjeldahl Nitrogen as N	mg/L	-	1.0	129	≤100	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Norg (C), part NH3 (D)	Rayong
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	Rayong

**Guideline :** Standard of Rojana Industrial park (Rayong 2), Criteria of wastewater drainage from the factory to central wastewater treatment plant.

**Sampling By :** Tanasit Wongsachai ทะเบียนเลขที่ ว-323-จ-9460 , Samart Khumphlee ทะเบียนเลขที่ ว-204-จ-7830

**Remark :**

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

**Technical Management**

*N. Banongkit*

Narumon Banchongkit  
Supervisor

ทะเบียนเลขที่ ว-323-จ-9445

**Approved by**

*D. Changchon*

Dej Changchon  
Senior Manager

ทะเบียนเลขที่ ว-323-ค-9442

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2034/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkok, Huaykwang, Bangkok  
Thailand 10310

**P/O :**

**Project Name :** โครงการสวนอุตสาหกรรมปลวกแดง (โรจนะปลวกแดง/ระยอง2)

**Project Location:** Factory

**Lot ID: 23127083**

Date Received : Nov 01, 2023

Date Reported : Nov 08, 2023

Report Number : 2821176-2

Page 1 of 1

<b>Sample Number</b>	23127083-1
<b>Sampled Date</b>	Nov 01, 2023
<b>Sample Description</b>	Wastewater
<b>Location</b>	บริษัท ซิลแม็กซ์ ซีลลิ่ง โซลูชั่น จำกัด : SILMAX SEALING SOLUTION CO.,LTD.
<b>Date Analysis Commenced</b>	Nov 02, 2023
<b>Condition of Sample</b>	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
<b>Water Testing</b>							
Oil & Grease	mg/L	-	3	6	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 D	Bangkok

**Guideline :** Standard of Rojana Industrial park (Rayong 2), Criteria of wastewater drainage from the factory to central wastewater treatment plant.

**Sampling By :** Tanasit Wongsachai ทะเบียนเลขที่ ว-323-จ-9460 , Samart Khumphlee ทะเบียนเลขที่ ว-204-จ-7830

Remark :

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

Technical Management

Siriluk P.

Siriluk Puenggang  
Section Head

ทะเบียนเลขที่ ว-204-จ-4720

Approved by

Kanokkorn Anek

Kanokkorn Anek  
Senior Manager

ทะเบียนเลขที่ ว-204-ค-6111

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## Analysis / Test Report

TESTING

No.0042

**Lot ID: 23127084**

Date Received : Nov 01, 2023

Date Reported : Nov 08, 2023

Report Number : 2821177-1

**Client :** Rojana Industrial Management Co., Ltd.

2034/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkapi, Huaykwang, Bangkok  
Thailand 10310

**P/O :**

**Project Name :** โครงการสวนอุตสาหกรรมปลวกแดง (โรจนะปลวกแดง/ระยอง2)

**Project Location:** Factory

Page 1 of 1

<b>Sample Number</b>	23127084-1
<b>Sampled Date</b>	Nov 01, 2023 10:44 AM
<b>Sample Description</b>	Wastewater
<b>Location</b>	บริษัท เทียนกง พรซิชั่น ทูลส์ (ประเทศไทย) จำกัด : TIANGONG PRECISION TOOLS (THAILAND)
<b>Date Analysis Commenced</b>	Nov 01, 2023
<b>Condition of Sample</b>	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
<b>Water Testing</b>							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	92.0	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	282	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Rayong
pH at 25 degree C *		-	-	7.6	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	432	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Rayong
Total Kjeldahl Nitrogen as N	mg/L	-	1.0	53.1	≤100	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Norg (C), part NH3 (D)	Rayong
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	Rayong

**Guideline :** Standard of Rojana Industrial park (Rayong 2), Criteria of wastewater drainage from the factory to central wastewater treatment plant.

**Sampling By :** Tanasit Wongsachai ทะเบียนเลขที่ ว-323-จ-9460 , Samart Khumphlee ทะเบียนเลขที่ ว-204-จ-7830

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**Technical Management**

*N. Banchongkit*

Narumon Banchongkit

Supervisor

ทะเบียนเลขที่ ว-323-จ-9445

**Approved by**

*D. Changchon*

Dej Changchon

Senior Manager

ทะเบียนเลขที่ ว-323-ค-9442

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2034/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkapi, Huaykwang, Bangkok  
Thailand 10310

**P/O :**

**Project Name :** โครงการสวนอุตสาหกรรมปลวกแดง (โรจนะปลวกแดง/ระยอง2)

**Project Location:** Factory

**Lot ID: 23127084**

Date Received : Nov 01, 2023

Date Reported : Nov 07, 2023

Report Number : 2821177-2

Page 1 of 1

**Sample Number** 23127084-1  
**Sampled Date** Nov 01, 2023 10:44 AM  
**Sample Description** Wastewater  
**Location** บริษัท เทียนกง พรีซิชั่น ทูลส์ (ประเทศไทย) จำกัด : TIANGONG PRECISION TOOLS (THAILAND)  
**Date Analysis Commenced** Nov 02, 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
<b>Water Testing</b>							
Oil & Grease	mg/L	-	3	22	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 D	Bangkok

**Guideline :** Standard of Rojana Industrial park (Rayong 2), Criteria of wastewater drainage from the factory to central wastewater treatment plant.

**Sampling By :** Tanasit Wongsachai ทะเบียนเลขที่ ว-323-จ-9460 , Samart Khumphlee ทะเบียนเลขที่ ว-204-จ-7830

Remark :

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

Technical Management

*Suwimon C.*

Suwimon Chairuangwut  
Scientist (3)  
ทะเบียนเลขที่ ว-204-จ-5417

Approved by

*Kanokkorn Anek*

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

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## Analysis / Test Report

TESTING

No.0042

**Lot ID: 23137055**

Date Received : Dec 04, 2023

Date Reported : Dec 12, 2023

Report Number : 2844439-1

**Client :** Rojana Industrial Management Co., Ltd.

2034/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkapi, Huaykwang, Bangkok  
Thailand 10310

**P/O :**

**Project Name :** โครงการสวนอุตสาหกรรมปลวกแดง (โรจนะปลวกแดง/ระยอง2)

**Project Location:** Factory

Page 1 of 1

<b>Sample Number</b>	23137055-1
<b>Sampled Date</b>	Dec 04, 2023 11:25 AM
<b>Sample Description</b>	Wastewater
<b>Location</b>	บริษัท กัลฟ์ ฟีด จำกัด : GULF PD COMPANY LIMITED.
<b>Date Analysis Commenced</b>	Dec 04, 2023
<b>Condition of Sample</b>	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
<b>Water Testing</b>							
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	Rayong
COD	mg/L	1.5	25	42	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Rayong
pH at 25 degree C *		-	-	8.5	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	172	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Rayong
Total Kjeldahl Nitrogen as N	mg/L	-	1.0	<1.0	≤100	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Norg (C), part NH3 (D)	Rayong
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	109	≤200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Rayong

**Guideline :** Standard of Rojana Industrial park (Rayong 2), Criteria of wastewater drainage from the factory to central wastewater treatment plant.

**Sampling By :** Tanasit Wongsachai ทะเบียนเลขที่ ว-323-จ-9460

**Remark :**

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**Technical Management**

*N. Banongkit*

Narumon Banchongkit

Supervisor

ทะเบียนเลขที่ ว-323-จ-9445

**Approved by**

*D. Changchon*

Dej Changchon

Senior Manager

ทะเบียนเลขที่ ว-323-ค-9442

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2034/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkok, Huaykwang, Bangkok  
Thailand 10310

**P/O :**

**Project Name :** โครงการสวนอุตสาหกรรมปลวกแดง (โรจนะปลวกแดง/ระยอง2)

**Project Location:** Factory

**Lot ID: 23137055**

Date Received : Dec 04, 2023

Date Reported : Dec 11, 2023

Report Number : 2844439-2

Page 1 of 1

**Sample Number** 23137055-1  
**Sampled Date** Dec 04, 2023 11:25 AM  
**Sample Description** Wastewater  
**Location** บริษัท กัลฟ์ ฟีด จำกัด : GULF PD COMPANY LIMITED.  
**Date Analysis Commenced** Dec 06, 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
<b>Water Testing</b>							
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 D	Bangkok

**Guideline :** Standard of Rojana Industrial park (Rayong 2), Criteria of wastewater drainage from the factory to central wastewater treatment plant.

**Sampling By :** Tanasit Wongsachai ทะเบียนเลขที่ ว-323-จ-9460

Remark :

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

Technical Management

Siriluk P.

Siriluk Puengpang  
Section Head

ทะเบียนเลขที่ ว-204-จ-4720

Approved by

Kanokkorn Anek

Kanokkorn Anek  
Senior Manager

ทะเบียนเลขที่ ว-204-ค-6111

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## Analysis / Test Report

TESTING

No.0042

**Lot ID: 23137056**

Date Received : Dec 04, 2023

Date Reported : Dec 12, 2023

Report Number : 2844441-1

**Client :** Rojana Industrial Management Co., Ltd.

2034/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkapi, Huaykwang, Bangkok  
Thailand 10310

**P/O :**

**Project Name :** โครงการสวนอุตสาหกรรมปลวกแดง (โรจนะปลวกแดง/ระยอง2)

**Project Location:** Factory

Page 1 of 1

<b>Sample Number</b>	23137056-1
<b>Sampled Date</b>	Dec 04, 2023 2:05 PM
<b>Sample Description</b>	Wastewater
<b>Location</b>	บริษัท รีอีเอ็ม (ไทยแลนด์) จำกัด : VEM (THAILAND) CO., LTD.
<b>Date Analysis Commenced</b>	Dec 04, 2023
<b>Condition of Sample</b>	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
<b>Water Testing</b>							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	8.7	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	30	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Rayong
pH at 25 degree C *		-	-	7.2	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	308	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Rayong
Total Kjeldahl Nitrogen as N	mg/L	-	1.0	3.0	≤100	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Norg (C), part NH3 (D)	Rayong
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	Rayong

**Guideline :** Standard of Rojana Industrial park (Rayong 2), Criteria of wastewater drainage from the factory to central wastewater treatment plant.

**Sampling By :** Tanasit Wongsachai ทะเบียนเลขที่ ว-323-จ-9460

**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**

*N. Banongkit*

Narumon Banhongkit

Supervisor

ทะเบียนเลขที่ ว-323-จ-9445

**Approved by**

*D. Changchon*

Dej Changchon

Senior Manager

ทะเบียนเลขที่ ว-323-ค-9442

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. No part of this report may be reproduced in any form without written consent from the laboratory.  
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## Analysis / Test Report

**Client :** Rojana Industrial Management Co., Ltd.  
2034/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkok, Huaykwang, Bangkok  
Thailand 10310

**P/O :**

**Project Name :** โครงการสวนอุตสาหกรรมปลวกแดง (โรจนะปลวกแดง/ระยอง2)

**Project Location:** Factory

**Lot ID: 23137056**

Date Received : Dec 04, 2023

Date Reported : Dec 11, 2023

Report Number : 2844441-2

Page 1 of 1

**Sample Number** 23137056-1  
**Sampled Date** Dec 04, 2023 2:05 PM  
**Sample Description** Wastewater  
**Location** บริษัท รีอีเอ็ม (ไทยแลนด์) จำกัด : VEM (THAILAND) CO., LTD.  
**Date Analysis Commenced** Dec 06, 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
<b>Water Testing</b>							
Oil & Grease	mg/L	-	3	<3	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 D	Bangkok

**Guideline :** Standard of Rojana Industrial park (Rayong 2), Criteria of wastewater drainage from the factory to central wastewater treatment plant.

**Sampling By :** Tanasit Wongsachai ทะเบียนเลขที่ ว-323-จ-9460

Remark :

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Technical Management

Siriluk P.

Siriluk Puengpang  
Section Head

ทะเบียนเลขที่ ว-204-จ-4720

Approved by

Kanokkorn Anek

Kanokkorn Anek  
Senior Manager

ทะเบียนเลขที่ ว-204-ค-6111

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## Analysis / Test Report

TESTING

No.0042

**Lot ID: 23137058**

Date Received : Dec 04, 2023

Date Reported : Dec 12, 2023

Report Number : 2844446-1

**Client :** Rojana Industrial Management Co., Ltd.

2034/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkapi, Huaykwang, Bangkok  
Thailand 10310

**P/O :**

**Project Name :** โครงการสวนอุตสาหกรรมปลวกแดง (โรจนะปลวกแดง/ระยอง2)

**Project Location:** Factory

Page 1 of 1

<b>Sample Number</b>	23137058-1
<b>Sampled Date</b>	Dec 04, 2023 1:40 PM
<b>Sample Description</b>	Wastewater
<b>Location</b>	บริษัท เซล อินดัสทรี (ไทยแลนด์) จำกัด : SAIL INDUSTRY (THAILAND) CO.,LTD.
<b>Date Analysis Commenced</b>	Dec 04, 2023
<b>Condition of Sample</b>	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
<b>Water Testing</b>							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	46.5	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	158	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Rayong
pH at 25 degree C *		-	-	8.1	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	444	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Rayong
Total Kjeldahl Nitrogen as N	mg/L	-	1.0	98.0	≤100	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Norg (C), part NH3 (D)	Rayong
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	30	≤200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Rayong

**Guideline :** Standard of Rojana Industrial park (Rayong 2), Criteria of wastewater drainage from the factory to central wastewater treatment plant.

**Sampling By :** Tanasit Wongsachai ทะเบียนเลขที่ ว-323-จ-9460

**Remark :**

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- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
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**Technical Management**

*N. Banongkit*

Narumon Banchongkit

Supervisor

ทะเบียนเลขที่ ว-323-จ-9445

**Approved by**

*D. Changchon*

Dej Changchon

Senior Manager

ทะเบียนเลขที่ ว-323-ค-9442

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## Analysis / Test Report

**Client :** Rojana Industrial Management Co., Ltd.  
2034/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkapi, Huaykwang, Bangkok  
Thailand 10310

**P/O :**

**Project Name :** โครงการสวนอุตสาหกรรมปลวกแดง (โรจนะปลวกแดง/ระยอง2)

**Project Location:** Factory

**Lot ID: 23137058**

Date Received : Dec 04, 2023

Date Reported : Dec 11, 2023

Report Number : 2844446-2

Page 1 of 1

**Sample Number** 23137058-1  
**Sampled Date** Dec 04, 2023 1:40 PM  
**Sample Description** Wastewater  
**Location** บริษัท เซล อินดัสทรี (ไทยแลนด์) จำกัด : SAIL INDUSTRY (THAILAND) CO.,LTD.  
**Date Analysis Commenced** Dec 06, 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
<b>Water Testing</b>							
Oil & Grease	mg/L	-	3	4	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 D	Bangkok

**Guideline :** Standard of Rojana Industrial park (Rayong 2), Criteria of wastewater drainage from the factory to central wastewater treatment plant.

**Sampling By :** Tanasit Wongsachai ทะเบียนเลขที่ ว-323-จ-9460

Remark :

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Technical Management

Siriluk P.

Siriluk Puengpang  
Section Head

ทะเบียนเลขที่ ว-204-จ-4720

Approved by

Kanokkorn Anek

Kanokkorn Anek  
Senior Manager

ทะเบียนเลขที่ ว-204-ค-6111

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## Analysis / Test Report

TESTING

No.0042

**Lot ID: 23137060**

Date Received : Dec 04, 2023

Date Reported : Dec 12, 2023

Report Number : 2844448-1

**Client :** Rojana Industrial Management Co., Ltd.

2034/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkapi, Huaykwang, Bangkok  
Thailand 10310

**P/O :**

**Project Name :** โครงการสวนอุตสาหกรรมปลวกแดง (โรจนะปลวกแดง/ระยอง2)

**Project Location:** Factory

Page 1 of 1

<b>Sample Number</b>	23137060-1						
<b>Sampled Date</b>	Dec 04, 2023 10:35 AM						
<b>Sample Description</b>	Wastewater						
<b>Location</b>	บริษัท กัลลอง (ประเทศไทย) จำกัด (จุดที่ 1) : GEELONG (THAILAND) CO.,LTD.						
<b>Date Analysis Commenced</b>	Dec 04, 2023						
<b>Condition of Sample</b>	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
<b>Water Testing</b>							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	117	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	1598	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Rayong
pH at 25 degree C *		-	-	6.3	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	1572	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Rayong
Total Kjeldahl Nitrogen as N	mg/L	-	1.0	164	≤100	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Norg (C), part NH3 (D)	Rayong
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	4300	≤200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Rayong

**Guideline :** Standard of Rojana Industrial park (Rayong 2), Criteria of wastewater drainage from the factory to central wastewater treatment plant.

**Sampling By :** Tanasit Wongsachai ทะเบียนเลขที่ ว-323-จ-9460

**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.
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**Technical Management**

*N. Banongkit*

Narumon Banhongkit

Supervisor

ทะเบียนเลขที่ ว-323-จ-9445

**Approved by**

*D. Changchon*

Dej Changchon

Senior Manager

ทะเบียนเลขที่ ว-323-ค-9442

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## Analysis / Test Report

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2034/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkapi, Huaykwang, Bangkok  
Thailand 10310

**P/O :**

**Project Name :** โครงการสวนอุตสาหกรรมปลวกแดง (โรจนะปลวกแดง/ระยอง2)

**Project Location:** Factory

**Lot ID: 23137060**

Date Received : Dec 04, 2023

Date Reported : Dec 11, 2023

Report Number : 2844448-2

Page 1 of 1

**Sample Number** 23137060-1  
**Sampled Date** Dec 04, 2023 10:35 AM  
**Sample Description** Wastewater  
**Location** บริษัท กัลลอง (ประเทศไทย) จำกัด (จุดที่ 1) : GEELONG (THAILAND) CO.,LTD.  
**Date Analysis Commenced** Dec 06, 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
<b>Water Testing</b>							
Oil & Grease	mg/L	-	3	25	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 D	Bangkok

**Guideline :** Standard of Rojana Industrial park (Rayong 2), Criteria of wastewater drainage from the factory to central wastewater treatment plant.

**Sampling By :** Tanasit Wongsachai ทะเบียนเลขที่ ว-323-จ-9460

Remark :

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Technical Management

Siriluk P.

Siriluk Puengpang  
Section Head

ทะเบียนเลขที่ ว-204-จ-4720

Approved by

Kanokkorn Anek

Kanokkorn Anek  
Senior Manager

ทะเบียนเลขที่ ว-204-ค-6111

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## Analysis / Test Report

TESTING

No.0042

**Lot ID: 23137061**

Date Received : Dec 04, 2023

Date Reported : Dec 12, 2023

Report Number : 2844451-1

**Client :** Rojana Industrial Management Co., Ltd.

2034/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkapi, Huaykwang, Bangkok  
Thailand 10310

**P/O :**

**Project Name :** โครงการสวนอุตสาหกรรมปลวกแดง (โรจนะปลวกแดง/ระยอง2)

**Project Location:** Factory

Page 1 of 1

<b>Sample Number</b>	23137061-1						
<b>Sampled Date</b>	Dec 04, 2023 10:48 AM						
<b>Sample Description</b>	Wastewater						
<b>Location</b>	บริษัท กัลลอง (ประเทศไทย) จำกัด (จุดที่ 2) : GEELONG (THAILAND) CO.,LTD.						
<b>Date Analysis Commenced</b>	Dec 04, 2023						
<b>Condition of Sample</b>	Extracted into 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
<b>Water Testing</b>							
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 G	Rayong
COD	mg/L	1.5	25	141	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Rayong
pH at 25 degree C *		-	-	8.2	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	492	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Rayong
Total Kjeldahl Nitrogen as N	mg/L	-	1.0	97.7	≤100	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Norg (C), part NH3 (D)	Rayong
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	Rayong

**Guideline :** Standard of Rojana Industrial park (Rayong 2), Criteria of wastewater drainage from the factory to central wastewater treatment plant.

**Sampling By :** Tanasit Wongsachai ทะเบียนเลขที่ ว-323-จ-9460

**Remark :**

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**Technical Management**

*N. Banongkit*

Narumon Banchongkit

Supervisor

ทะเบียนเลขที่ ว-323-จ-9445

**Approved by**

*D. Changchon*

Dej Changchon

Senior Manager

ทะเบียนเลขที่ ว-323-ค-9442

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## Analysis / Test Report

**Client :** Rojana Industrial Management Co., Ltd.  
2034/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkapi, Huaykwang, Bangkok  
Thailand 10310

**P/O :**

**Project Name :** โครงการสวนอุตสาหกรรมปลวกแดง (โรจนะปลวกแดง/ระยอง2)

**Project Location:** Factory

**Lot ID: 23137061**

Date Received : Dec 04, 2023

Date Reported : Dec 11, 2023

Report Number : 2844451-2

Page 1 of 1

<b>Sample Number</b>	23137061-1
<b>Sampled Date</b>	Dec 04, 2023 10:48 AM
<b>Sample Description</b>	Wastewater
<b>Location</b>	บริษัท กัลลอง (ประเทศไทย) จำกัด (จุดที่ 2) : GEELONG (THAILAND) CO.,LTD.
<b>Date Analysis Commenced</b>	Dec 06, 2023
<b>Condition of Sample</b>	Extracted into 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
<b>Water Testing</b>							
Oil & Grease	mg/L	-	3	5	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 D	Bangkok

**Guideline :** Standard of Rojana Industrial park (Rayong 2), Criteria of wastewater drainage from the factory to central wastewater treatment plant.

**Sampling By :** Tanasit Wongsachai ทะเบียนเลขที่ ว-323-จ-9460

Remark :

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

Technical Management

Siriluk P.

Siriluk Puengpang  
Section Head

ทะเบียนเลขที่ ว-204-จ-4720

Approved by

Kanokkorn Anek

Kanokkorn Anek  
Senior Manager

ทะเบียนเลขที่ ว-204-ค-6111

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## Analysis / Test Report

TESTING

No.0042

**Lot ID: 23137065**

Date Received : Dec 04, 2023

Date Reported : Dec 12, 2023

Report Number : 2844452-1

**Client :** Rojana Industrial Management Co., Ltd.

2034/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkapi, Huaykwang, Bangkok  
Thailand 10310

**P/O :**

**Project Name :** โครงการสวนอุตสาหกรรมปลวกแดง (โรจนะปลวกแดง/ระยอง2)

**Project Location:** Factory

Page 1 of 1

<b>Sample Number</b>	23137065-1
<b>Sampled Date</b>	Dec 04, 2023 1:50 PM
<b>Sample Description</b>	Wastewater
<b>Location</b>	บริษัท ซิลแม็กซ์ ซีลลิ่ง โซลูชั่น จำกัด : SILMAX SEALING SOLUTION CO.,LTD.
<b>Date Analysis Commenced</b>	Dec 04, 2023
<b>Condition of Sample</b>	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
<b>Water Testing</b>							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	51.5	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	194	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Rayong
pH at 25 degree C *		-	-	7.9	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	480	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Rayong
Total Kjeldahl Nitrogen as N	mg/L	-	1.0	96.6	≤100	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Norg (C), part NH3 (D)	Rayong
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	Rayong

**Guideline :** Standard of Rojana Industrial park (Rayong 2), Criteria of wastewater drainage from the factory to central wastewater treatment plant.

**Sampling By :** Tanasit Wongsachai ทะเบียนเลขที่ ว-323-จ-9460

**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**

*N. Banongkit*

Narumon Banchongkit  
Supervisor

ทะเบียนเลขที่ ว-323-จ-9445

**Approved by**

*D. Changchon*

Dej Changchon  
Senior Manager

ทะเบียนเลขที่ ว-323-ค-9442

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## Analysis / Test Report

**Client :** Rojana Industrial Management Co., Ltd.  
2034/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkapi, Huaykwang, Bangkok  
Thailand 10310

**P/O :**

**Project Name :** โครงการสวนอุตสาหกรรมปลวกแดง (โรจนะปลวกแดง/ระยอง2)

**Project Location:** Factory

**Lot ID: 23137065**

Date Received : Dec 04, 2023

Date Reported : Dec 11, 2023

Report Number : 2844452-2

Page 1 of 1

<b>Sample Number</b>	23137065-1
<b>Sampled Date</b>	Dec 04, 2023 1:50 PM
<b>Sample Description</b>	Wastewater
<b>Location</b>	บริษัท ซิลแม็กซ์ ซีลลิ่ง โซลูชั่น จำกัด : SILMAX SEALING SOLUTION CO.,LTD.
<b>Date Analysis Commenced</b>	Dec 06, 2023
<b>Condition of Sample</b>	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
<b>Water Testing</b>							
Oil & Grease	mg/L	-	3	4	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 D	Bangkok

**Guideline :** Standard of Rojana Industrial park (Rayong 2), Criteria of wastewater drainage from the factory to central wastewater treatment plant.

**Sampling By :** Tanasit Wongsachai ทะเบียนเลขที่ ว-323-จ-9460

Remark :

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

Technical Management

Siriluk P.

Siriluk Puengpang  
Section Head

ทะเบียนเลขที่ ว-204-จ-4720

Approved by

Kanokkorn Anek

Kanokkorn Anek  
Senior Manager

ทะเบียนเลขที่ ว-204-ค-6111

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## Analysis / Test Report

TESTING

No.0042

**Lot ID: 23137068**

Date Received : Dec 04, 2023

Date Reported : Dec 12, 2023

Report Number : 2844455-1

**Client :** Rojana Industrial Management Co., Ltd.

2034/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkapi, Huaykwang, Bangkok  
Thailand 10310

**P/O :**

**Project Name :** โครงการสวนอุตสาหกรรมปลวกแดง (โรจนะปลวกแดง/ระยอง2)

**Project Location:** Factory

Page 1 of 1

<b>Sample Number</b>	23137068-1
<b>Sampled Date</b>	Dec 04, 2023 11:05 AM
<b>Sample Description</b>	Wastewater
<b>Location</b>	บริษัท เขียนกง พรซิชั่น ทูลส์ (ประเทศไทย) จำกัด : TIANGONG PRECISION TOOLS (THAILAND)
<b>Date Analysis Commenced</b>	Dec 04, 2023
<b>Condition of Sample</b>	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
<b>Water Testing</b>							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	35.3	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	293	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Rayong
pH at 25 degree C *		-	-	7.3	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	312	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Rayong
Total Kjeldahl Nitrogen as N	mg/L	-	1.0	30.6	≤100	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Norg (C), part NH3 (D)	Rayong
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	Rayong

**Guideline :** Standard of Rojana Industrial park (Rayong 2), Criteria of wastewater drainage from the factory to central wastewater treatment plant.

**Sampling By :** Tanasit Wongsachai ทะเบียนเลขที่ ว-323-จ-9460 , Nantawat Sarin ทะเบียนเลขที่ ว-204-จ-8596

**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**

*N. Banongkit*

Narumon Banhongkit

Supervisor

ทะเบียนเลขที่ ว-323-จ-9445

**Approved by**

*D. Changchon*

Dej Changchon

Senior Manager

ทะเบียนเลขที่ ว-323-ค-9442

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**Client :** Rojana Industrial Management Co., Ltd.  
2034/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkapi, Huaykwang, Bangkok  
Thailand 10310

**P/O :**

**Project Name :** โครงการสวนอุตสาหกรรมปลวกแดง (โรจนะปลวกแดง/ระยอง2)

**Project Location:** Factory

**Lot ID: 23137068**

Date Received : Dec 04, 2023

Date Reported : Dec 09, 2023

Report Number : 2844455-2

Page 1 of 1

**Sample Number** 23137068-1  
**Sampled Date** Dec 04, 2023 11:05 AM  
**Sample Description** Wastewater  
**Location** บริษัท เขียนกง พรีซิชั่น ทูลส์ (ประเทศไทย) จำกัด : TIANGONG PRECISION TOOLS (THAILAND)  
**Date Analysis Commenced** Dec 06, 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
<b>Water Testing</b>							
Oil & Grease	mg/L	-	3	15	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 D	Bangkok

**Guideline :** Standard of Rojana Industrial park (Rayong 2), Criteria of wastewater drainage from the factory to central wastewater treatment plant.

**Sampling By :** Tanasit Wongsachai ทะเบียนเลขที่ ว-323-จ-9460 , Nantawat Sarin ทะเบียนเลขที่ ว-204-จ-8596

Remark :

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

Technical Management

*Suwimon C.*

Suwimon Chairuangwut  
Scientist (3)  
ทะเบียนเลขที่ ว-204-จ-5417

Approved by

*Kanokkorn Anek*

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

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# ภาคผนวก ค-04

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คุณภาพน้ำผิวดิน





## Analysis / Test Report

**Client** : Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140  
**P/O** : RJN(2)-004/066  
**Project Name** : Pluak Daeng  
**Project Location** :

**TESTING**  
**No.0042**  
**Lot ID: 2372203**  
Date Received : Jul 27, 2023  
Date Reported : Aug 05, 2023  
Report Number : 2693097-1

Page 1 of 12

<b>Sample Number</b>	2372203-1
<b>Sampled Date</b>	Jul 27, 2023 2:24 PM
<b>Sample Description</b>	Surface Water
<b>Location</b>	ห้วยภูไทก่อนจุดระบายน้ำทิ้งที่ 1 ของโครงการ ระยะห่างประมาณ 500 เมตร (SW1)
<b>Date Analysis Commenced</b>	Jul 27, 2023
<b>Condition of Sample</b>	Contained in two glass vials, one BOD bottle and seven plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
<b>Metals Testing</b>								
<sup>[A]</sup> Aluminium	mg/L	0.003	0.005	8.62	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
<sup>[A]</sup> Arsenic	mg/L	0.0003	0.0005	0.01	≤0.01	≤0.01	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
<sup>[A]</sup> Cadmium	mg/L	0.0003	0.0005	Not Detected	≤0.005	≤0.005	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
<sup>[A]</sup> Copper	mg/L	0.0003	0.0005	0.02	≤0.10	≤0.10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
<sup>[A]</sup> Hexavalent Chromium	mg/L	0.003	0.01	Not Detected	≤0.05	≤0.05	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3500-Cr B	Bangkok
<sup>[A]</sup> Lead	mg/L	0.0003	0.0005	0.03	≤0.05	≤0.05	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
<sup>[A]</sup> Mercury	mg/L	0.0001	0.0005	Not Detected	≤0.002	≤0.002	In-house method : STM 05-007 based on United States Environmental Protection Agency, 2002, EPA Method 1631, Revision E	Bangkok
<sup>[A]</sup> Nickel	mg/L	0.0003	0.0005	0.03	≤0.10	≤0.10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok

Approved by

*N. Banchongkit*

Narumon Banchongkit  
Supervisor

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## Analysis / Test Report

**Client :** Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140  
**P/O :** RJN(2)-004/066  
**Project Name :** Pluak Daeng  
**Project Location :**

**TESTING**  
**No.0042**  
**Lot ID: 2372203**  
Date Received : Jul 27, 2023  
Date Reported : Aug 05, 2023  
Report Number : 2693097-1

Page 2 of 12

<b>Sample Number</b>	2372203-1							
<b>Sampled Date</b>	Jul 27, 2023 2:24 PM							
<b>Sample Description</b>	Surface Water							
<b>Location</b>	ห้วยภูไทก่อนจุดระบายน้ำทิ้งที่ 1 ของโครงการ ระยะห่างประมาณ 500 เมตร (SW1)							
<b>Date Analysis Commenced</b>	Jul 27, 2023							
<b>Condition of Sample</b>	Contained in two glass vials, one BOD bottle and seven plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)							

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
<b>Metals Testing</b>								
<sup>[A]</sup> Silver	mg/L	0.0003	0.0005	Not Detected	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Trivalent Chromium *	mg/L	-	0.01	0.02	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
<sup>[A]</sup> Zinc	mg/L	0.003	0.005	0.13	≤1	≤1	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
<b>Microbiological Testing</b>								
<sup>[A]</sup> Fecal Coliform	MPN/100mL	-	-	7900.0	≤4000	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B, E	Bangkok
<sup>[A]</sup> Total Coliform	MPN/100mL	-	-	33000.0	≤20000	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B	Bangkok
<b>Water Testing</b>								
Ammonia Nitrogen *	mg/L	0.02	0.05	3.33	≤0.5	≤0.5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-NH3 (D)	Rayong
BOD (5 days at 20 Degree C) *	mg/L	-	2.0	<2.0	≤2	≤4	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Rayong
Cyanide as CN *	mg/L	0.001	0.005	<0.005	≤0.005	≤0.005	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-CN (C, E)	Rayong

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Approved by

*N. Banchongkit*

Narumon Banchongkit  
Supervisor

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## Analysis / Test Report

**Client :** Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140  
**P/O :** RJN(2)-004/066  
**Project Name :** Pluak Daeng  
**Project Location :**

**TESTING**  
**No.0042**  
**Lot ID: 2372203**  
Date Received : Jul 27, 2023  
Date Reported : Aug 05, 2023  
Report Number : 2693097-1

Page 3 of 12

<b>Sample Number</b>	2372203-1
<b>Sampled Date</b>	Jul 27, 2023 2:24 PM
<b>Sample Description</b>	Surface Water
<b>Location</b>	ห้วยภูไทก่อนจุดระบายน้ำทิ้งที่ 1 ของโครงการ ระยะห่างประมาณ 500 เมตร (SW1)
<b>Date Analysis Commenced</b>	Jul 27, 2023
<b>Condition of Sample</b>	Contained in two glass vials, one BOD bottle and seven plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
<b>Water Testing</b>								
Dissolved Oxygen *	mg/L	-	0.1	5.5	≥4	≥2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-O (C)	Rayong
Flow rate *	m3/s	-	-	0.000	No Standard	No Standard	Flow meter	Rayong
Nitrate as N *	mg/L	0.015	0.05	2.86	≤5	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-NO3 (E)	Rayong
pH at 25 degree C		-	-	7.5	5.0-9.0	5.0-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Rayong
Phenol *	mg/L	0.0005	0.001	Not Detected	≤0.005	≤0.005	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5530 D	Rayong
Temperature *	Degree C	-	-	32.1	(c)	(c)	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Rayong

**Guideline :** (1) Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 3)  
(2) Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 4)  
(a) Not Change from natural condition  
(b) Non Objectionable  
(c) Change from Natural condition not more than 3 degree C

**Sampling By :** Narunat thammasaro ทะเบียนเลขที่ ว-323-จ-9477

Remark :

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked \* is/are not included in scope of Accreditation ISO/IEC 17025.
- 
- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Approved by

*N. Banchongkit*

Narumon Banchongkit  
Supervisor

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## Analysis / Test Report

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54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140  
**P/O :** RJN(2)-004/066  
**Project Name :** Pluak Daeng  
**Project Location :**

**TESTING**  
**No.0042**  
**Lot ID: 2372203**  
Date Received : Jul 27, 2023  
Date Reported : Aug 05, 2023  
Report Number : 2693097-1

Page 4 of 12

<b>Sample Number</b>	2372203-2
<b>Sampled Date</b>	Jul 27, 2023 2:01 PM
<b>Sample Description</b>	Surface Water
<b>Location</b>	ห้วยภูไทก่อนจตุรเขสน้ำทิ้งที่ 1 ของโครงการ (SW2)
<b>Date Analysis Commenced</b>	Jul 27, 2023
<b>Condition of Sample</b>	Contained in two glass vials, one BOD bottle and seven plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
<b>Metals Testing</b>								
<sup>[A]</sup> Aluminium	mg/L	0.003	0.005	4.70	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
<sup>[A]</sup> Arsenic	mg/L	0.0003	0.0005	0.01	≤0.01	≤0.01	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
<sup>[A]</sup> Cadmium	mg/L	0.0003	0.0005	Not Detected	≤0.005	≤0.005	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
<sup>[A]</sup> Copper	mg/L	0.0003	0.0005	0.01	≤0.10	≤0.10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
<sup>[A]</sup> Hexavalent Chromium	mg/L	0.003	0.01	Not Detected	≤0.05	≤0.05	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3500-Cr B	Bangkok
<sup>[A]</sup> Lead	mg/L	0.0003	0.0005	0.02	≤0.05	≤0.05	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
<sup>[A]</sup> Mercury	mg/L	0.0001	0.0005	Not Detected	≤0.002	≤0.002	In-house method : STM 05-007 based on United States Environmental Protection Agency, 2002, EPA Method 1631, Revision E	Bangkok
<sup>[A]</sup> Nickel	mg/L	0.0003	0.0005	0.02	≤0.10	≤0.10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok

Approved by

*N. Banchongkit*

Narumon Banchongkit  
Supervisor

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## Analysis / Test Report

**Client :** Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140  
**P/O :** RJN(2)-004/066  
**Project Name :** Pluak Daeng  
**Project Location :**

**TESTING**  
**No.0042**  
**Lot ID: 2372203**  
Date Received : Jul 27, 2023  
Date Reported : Aug 05, 2023  
Report Number : 2693097-1

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<b>Sample Number</b>	2372203-2							
<b>Sampled Date</b>	Jul 27, 2023 2:01 PM							
<b>Sample Description</b>	Surface Water							
<b>Location</b>	ห้วยภูไทก่อนจตุรเข้าน้ำทิ้งที่ 1 ของโครงการ (SW2)							
<b>Date Analysis Commenced</b>	Jul 27, 2023							
<b>Condition of Sample</b>	Contained in two glass vials, one BOD bottle and seven plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)							

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
<b>Metals Testing</b>								
<sup>[A]</sup> Silver	mg/L	0.0003	0.0005	Not Detected	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Trivalent Chromium *	mg/L	-	0.01	<0.01	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
<sup>[A]</sup> Zinc	mg/L	0.003	0.005	0.09	≤1	≤1	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
<b>Microbiological Testing</b>								
<sup>[A]</sup> Fecal Coliform	MPN/100mL	-	-	7900.0	≤4000	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B, E	Bangkok
<sup>[A]</sup> Total Coliform	MPN/100mL	-	-	13000.0	≤20000	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B	Bangkok
<b>Water Testing</b>								
Ammonia Nitrogen *	mg/L	0.02	0.05	0.95	≤0.5	≤0.5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-NH3 (D)	Rayong
BOD (5 days at 20 Degree C) *	mg/L	-	2.0	2.4	≤2	≤4	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Rayong
Cyanide as CN *	mg/L	0.001	0.005	<0.005	≤0.005	≤0.005	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-CN (C, E)	Rayong

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*N. Banchongkit*

Narumon Banchongkit  
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54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140  
**P/O :** RJN(2)-004/066  
**Project Name :** Pluak Daeng  
**Project Location :**

**TESTING**  
**No.0042**  
**Lot ID: 2372203**  
Date Received : Jul 27, 2023  
Date Reported : Aug 05, 2023  
Report Number : 2693097-1

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<b>Sample Number</b>	2372203-2
<b>Sampled Date</b>	Jul 27, 2023 2:01 PM
<b>Sample Description</b>	Surface Water
<b>Location</b>	ห้วยภูไทก่อนจตุรระบายน้ำทั้งที่ 1 ของโครงการ (SW2)
<b>Date Analysis Commenced</b>	Jul 27, 2023
<b>Condition of Sample</b>	Contained in two glass vials, one BOD bottle and seven plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
<b>Water Testing</b>								
Dissolved Oxygen *	mg/L	-	0.1	6.0	≥4	≥2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-O (C)	Rayong
Flow rate *	m3/s	-	-	0.000	No Standard	No Standard	Flow meter	Rayong
Nitrate as N *	mg/L	0.015	0.05	2.25	≤5	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-NO3 (E)	Rayong
pH at 25 degree C		-	-	7.6	5.0-9.0	5.0-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Rayong
Phenol *	mg/L	0.0005	0.001	Not Detected	≤0.005	≤0.005	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5530 D	Rayong
Temperature *	Degree C	-	-	32.6	(c)	(c)	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Rayong

**Guideline :** (1) Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 3)  
(2) Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 4)  
(a) Not Change from natural condition  
(b) Non Objectionable  
(c) Change from Natural condition not more than 3 degree C

**Sampling By :** Narunat thammasaro ทะเบียนเลขที่ ว-323-จ-9477

Remark :

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked \* is/are not included in scope of Accreditation ISO/IEC 17025.
- 
- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Approved by

*N. Banchongkit*

Narumon Banchongkit  
Supervisor

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54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140  
**P/O** : RJN(2)-004/066  
**Project Name** : Pluak Daeng  
**Project Location** :

**TESTING**  
**No.0042**  
**Lot ID: 2372203**  
Date Received : Jul 27, 2023  
Date Reported : Aug 05, 2023  
Report Number : 2693097-1

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<b>Sample Number</b>	2372203-3							
<b>Sampled Date</b>	Jul 27, 2023 1:41 PM							
<b>Sample Description</b>	Surface Water							
<b>Location</b>	ห้วยภูไทจรดระบายน้ำทั้งที่ 2 ของโครงการ (SW3)							
<b>Date Analysis Commenced</b>	Jul 27, 2023							
<b>Condition of Sample</b>	Contained in two glass vials, one BOD bottle and seven plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)							

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
<b>Metals Testing</b>								
<sup>[A]</sup> Aluminium	mg/L	0.003	0.005	4.42	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
<sup>[A]</sup> Arsenic	mg/L	0.0003	0.0005	0.01	≤0.01	≤0.01	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
<sup>[A]</sup> Cadmium	mg/L	0.0003	0.0005	Not Detected	≤0.005	≤0.005	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
<sup>[A]</sup> Copper	mg/L	0.0003	0.0005	0.008	≤0.10	≤0.10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
<sup>[A]</sup> Hexavalent Chromium	mg/L	0.003	0.01	Not Detected	≤0.05	≤0.05	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3500-Cr B	Bangkok
<sup>[A]</sup> Lead	mg/L	0.0003	0.0005	0.01	≤0.05	≤0.05	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
<sup>[A]</sup> Mercury	mg/L	0.0001	0.0005	Not Detected	≤0.002	≤0.002	In-house method : STM 05-007 based on United States Environmental Protection Agency, 2002, EPA Method 1631, Revision E	Bangkok
<sup>[A]</sup> Nickel	mg/L	0.0003	0.0005	0.02	≤0.10	≤0.10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok

Approved by

*N. Banchongkit*

Narumon Banchongkit  
Supervisor

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**P/O** : RJN(2)-004/066  
**Project Name** : Pluak Daeng  
**Project Location** :

**TESTING**  
**No.0042**  
**Lot ID: 2372203**  
Date Received : Jul 27, 2023  
Date Reported : Aug 05, 2023  
Report Number : 2693097-1

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<b>Sample Number</b>	2372203-3							
<b>Sampled Date</b>	Jul 27, 2023 1:41 PM							
<b>Sample Description</b>	Surface Water							
<b>Location</b>	ห้วยภูไทจรดระบายน้ำทั้งที่ 2 ของโครงการ (SW3)							
<b>Date Analysis Commenced</b>	Jul 27, 2023							
<b>Condition of Sample</b>	Contained in two glass vials, one BOD bottle and seven plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)							

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
<b>Metals Testing</b>								
<sup>[A]</sup> Silver	mg/L	0.0003	0.0005	Not Detected	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Trivalent Chromium *	mg/L	-	0.01	<0.01	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
<sup>[A]</sup> Zinc	mg/L	0.003	0.005	0.07	≤1	≤1	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
<b>Microbiological Testing</b>								
<sup>[A]</sup> Fecal Coliform	MPN/100mL	-	-	3300.0	≤4000	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B, E	Bangkok
<sup>[A]</sup> Total Coliform	MPN/100mL	-	-	24000.0	≤20000	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B	Bangkok
<b>Water Testing</b>								
Ammonia Nitrogen *	mg/L	0.02	0.05	0.81	≤0.5	≤0.5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-NH3 (D)	Rayong
BOD (5 days at 20 Degree C) *	mg/L	-	2.0	2.3	≤2	≤4	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Rayong
Cyanide as CN *	mg/L	0.001	0.005	<0.005	≤0.005	≤0.005	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-CN (C, E)	Rayong

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## Analysis / Test Report

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54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140  
**P/O :** RJN(2)-004/066  
**Project Name :** Pluak Daeng  
**Project Location :**

**TESTING**  
**No.0042**  
**Lot ID: 2372203**  
Date Received : Jul 27, 2023  
Date Reported : Aug 05, 2023  
Report Number : 2693097-1

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<b>Sample Number</b>	2372203-3							
<b>Sampled Date</b>	Jul 27, 2023 1:41 PM							
<b>Sample Description</b>	Surface Water							
<b>Location</b>	ห้วยภูไทระดมายน้ำทั้งที่ 2 ของโครงการ (SW3)							
<b>Date Analysis Commenced</b>	Jul 27, 2023							
<b>Condition of Sample</b>	Contained in two glass vials, one BOD bottle and seven plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)							

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
<b>Water Testing</b>								
Dissolved Oxygen *	mg/L	-	0.1	6.3	≥4	≥2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-O (C)	Rayong
Flow rate *	m3/s	-	-	0.000	No Standard	No Standard	Flow meter	Rayong
Nitrate as N *	mg/L	0.015	0.05	2.18	≤5	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-NO3 (E)	Rayong
pH at 25 degree C		-	-	7.6	5.0-9.0	5.0-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Rayong
Phenol *	mg/L	0.0005	0.001	Not Detected	≤0.005	≤0.005	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5530 D	Rayong
Temperature *	Degree C	-	-	31.1	(c)	(c)	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Rayong

**Guideline :** (1) Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 3)  
(2) Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 4)  
(a) Not Change from natural condition  
(b) Non Objectionable  
(c) Change from Natural condition not more than 3 degree C

**Sampling By :** Narunat thammasaro ทะเบียนเลขที่ ว-323-จ-9477

**Remark :**

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked \* is/are not included in scope of Accreditation ISO/IEC 17025.
- 
- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Approved by

*N. Banchongkit*

Narumon Banchongkit  
Supervisor

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## Analysis / Test Report

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54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140  
**P/O :** RJN(2)-004/066  
**Project Name :** Pluak Daeng  
**Project Location :**

**TESTING**  
**No.0042**  
**Lot ID: 2372203**  
Date Received : Jul 27, 2023  
Date Reported : Aug 05, 2023  
Report Number : 2693097-1

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<b>Sample Number</b>	2372203-4
<b>Sampled Date</b>	Jul 27, 2023 2:40 PM
<b>Sample Description</b>	Surface Water
<b>Location</b>	ห้วยภูไทหลังจตุรเขษน้ำทิ้งที่ 2 ของโครงการระยะห่างประมาณ 500 เมตร (SW4)
<b>Date Analysis Commenced</b>	Jul 27, 2023
<b>Condition of Sample</b>	Contained in two glass vials, one BOD bottle and seven plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
<b>Metals Testing</b>								
<sup>[A]</sup> Aluminium	mg/L	0.003	0.005	3.10	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
<sup>[A]</sup> Arsenic	mg/L	0.0003	0.0005	0.01	≤0.01	≤0.01	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
<sup>[A]</sup> Cadmium	mg/L	0.0003	0.0005	<0.0005	≤0.005	≤0.005	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
<sup>[A]</sup> Copper	mg/L	0.0003	0.0005	0.010	≤0.10	≤0.10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
<sup>[A]</sup> Hexavalent Chromium	mg/L	0.003	0.01	Not Detected	≤0.05	≤0.05	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3500-Cr B	Bangkok
<sup>[A]</sup> Lead	mg/L	0.0003	0.0005	0.01	≤0.05	≤0.05	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
<sup>[A]</sup> Mercury	mg/L	0.0001	0.0005	Not Detected	≤0.002	≤0.002	In-house method : STM 05-007 based on United States Environmental Protection Agency, 2002, EPA Method 1631, Revision E	Bangkok
<sup>[A]</sup> Nickel	mg/L	0.0003	0.0005	0.02	≤0.10	≤0.10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok

Approved by

*N. Banchongkit*

Narumon Banchongkit  
Supervisor

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## Analysis / Test Report

**Client :** Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140  
**P/O :** RJN(2)-004/066  
**Project Name :** Pluak Daeng  
**Project Location :**

**TESTING**  
**No.0042**  
**Lot ID: 2372203**  
Date Received : Jul 27, 2023  
Date Reported : Aug 05, 2023  
Report Number : 2693097-1

Page 11 of 12

<b>Sample Number</b>	2372203-4							
<b>Sampled Date</b>	Jul 27, 2023 2:40 PM							
<b>Sample Description</b>	Surface Water							
<b>Location</b>	ห้วยภูไทหลังจตุรระบายน้ำทิ้งที่ 2 ของโครงการระยะห่างประมาณ 500 เมตร (SW4)							
<b>Date Analysis Commenced</b>	Jul 27, 2023							
<b>Condition of Sample</b>	Contained in two glass vials, one BOD bottle and seven plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)							

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
<b>Metals Testing</b>								
<sup>[A]</sup> Silver	mg/L	0.0003	0.0005	Not Detected	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Trivalent Chromium *	mg/L	-	0.01	<0.01	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
<sup>[A]</sup> Zinc	mg/L	0.003	0.005	0.11	≤1	≤1	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
<b>Microbiological Testing</b>								
<sup>[A]</sup> Fecal Coliform	MPN/100mL	-	-	49000.0	≤4000	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B, E	Bangkok
<sup>[A]</sup> Total Coliform	MPN/100mL	-	-	110000.0	≤20000	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B	Bangkok
<b>Water Testing</b>								
Ammonia Nitrogen *	mg/L	0.02	0.05	0.67	≤0.5	≤0.5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-NH3 (D)	Rayong
BOD (5 days at 20 Degree C) *	mg/L	-	2.0	<2.0	≤2	≤4	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Rayong
Cyanide as CN *	mg/L	0.001	0.005	<0.005	≤0.005	≤0.005	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-CN (C, E)	Rayong

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Approved by

*N. Banchongkit*

Narumon Banchongkit  
Supervisor

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## Analysis / Test Report

**Client :** Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140  
**P/O :** RJN(2)-004/066  
**Project Name :** Pluak Daeng  
**Project Location :**

**TESTING**  
**No.0042**  
**Lot ID: 2372203**  
Date Received : Jul 27, 2023  
Date Reported : Aug 05, 2023  
Report Number : 2693097-1

Page 12 of 12

<b>Sample Number</b>	2372203-4
<b>Sampled Date</b>	Jul 27, 2023 2:40 PM
<b>Sample Description</b>	Surface Water
<b>Location</b>	ห้วยภูไทหลังจตุรเขษน้ำทิ้งที่ 2 ของโครงการระยะทางประมาณ 500 เมตร (SW4)
<b>Date Analysis Commenced</b>	Jul 27, 2023
<b>Condition of Sample</b>	Contained in two glass vials, one BOD bottle and seven plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
<b>Water Testing</b>								
Dissolved Oxygen *	mg/L	-	0.1	5.4	≥4	≥2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-O (C)	Rayong
Flow rate *	m3/s	-	-	0.000	No Standard	No Standard	Flow meter	Rayong
Nitrate as N *	mg/L	0.015	0.05	2.06	≤5	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-NO3 (E)	Rayong
pH at 25 degree C		-	-	7.4	5.0-9.0	5.0-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Rayong
Phenol *	mg/L	0.0005	0.001	Not Detected	≤0.005	≤0.005	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5530 D	Rayong
Temperature *	Degree C	-	-	31.5	(c)	(c)	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Rayong

**Guideline :** (1) Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 3)  
(2) Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 4)  
(a) Not Change from natural condition  
(b) Non Objectionable  
(c) Change from Natural condition not more than 3 degree C

**Sampling By :** Narunat thammasaro ทะเบียนเลขที่ ว-323-จ-9477

**Remark :**

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked \* is/are not included in scope of Accreditation ISO/IEC 17025.
- 
- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Approved by

*N. Banchongkit*

Narumon Banchongkit  
Supervisor

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## Analysis / Test Report

**Client :** Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140  
**P/O :** RJN(2)-004/066  
**Project Name :** Pluak Daeng  
**Project Location :**

**TESTING**  
**No.0042**  
**Lot ID: 2380651**  
Date Received : Aug 17, 2023  
Date Reported : Aug 24, 2023  
Report Number : 2713096-1

Page 1 of 12

**Sample Number** 2380651-1  
**Sampled Date** Aug 17, 2023 10:00 AM  
**Sample Description** Surface Water  
**Location** ห้วยภูไทก่อนจุดระบายน้ำทิ้งที่ 1 ของโครงการ ระยะห่างประมาณ 500 เมตร (SW1)  
**Date Analysis Commenced** Aug 17, 2023  
**Condition of Sample** Contained in two glass vials, one BOD 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
<b>Metals Testing</b>								
<sup>[A]</sup> Aluminium	mg/L	0.003	0.005	2.50	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
<sup>[A]</sup> Arsenic	mg/L	0.0003	0.0005	0.008	≤0.01	≤0.01	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
<sup>[A]</sup> Cadmium	mg/L	0.0003	0.0005	Not Detected	≤0.005	≤0.005	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
<sup>[A]</sup> Copper	mg/L	0.0003	0.0005	0.005	≤0.10	≤0.10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
<sup>[A]</sup> Hexavalent Chromium	mg/L	0.003	0.01	Not Detected	≤0.05	≤0.05	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3500-Cr B	Bangkok
<sup>[A]</sup> Lead	mg/L	0.0003	0.0005	0.006	≤0.05	≤0.05	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
<sup>[A]</sup> Mercury	mg/L	0.0001	0.0005	Not Detected	≤0.002	≤0.002	In-house method : STM 05-007 based on United States Environmental Protection Agency, 2002, EPA Method 1631, Revision E	Bangkok
<sup>[A]</sup> Nickel	mg/L	0.0003	0.0005	0.03	≤0.10	≤0.10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok

Approved by

*N. Banchongkit*

Narumon Banchongkit  
Supervisor

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## Analysis / Test Report

**Client** : Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140  
**P/O** : RJN(2)-004/066  
**Project Name** : Pluak Daeng  
**Project Location** :

**TESTING**  
**No.0042**  
**Lot ID: 2380651**  
Date Received : Aug 17, 2023  
Date Reported : Aug 24, 2023  
Report Number : 2713096-1

Page 2 of 12

<b>Sample Number</b>	2380651-1							
<b>Sampled Date</b>	Aug 17, 2023 10:00 AM							
<b>Sample Description</b>	Surface Water							
<b>Location</b>	ห้วยภูไทก่อนจุดระบายน้ำทิ้งที่ 1 ของโครงการ ระยะห่างประมาณ 500 เมตร (SW1)							
<b>Date Analysis Commenced</b>	Aug 17, 2023							
<b>Condition of Sample</b>	Contained in two glass vials, one BOD 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
<b>Metals Testing</b>								
<sup>[A]</sup> Silver	mg/L	0.0003	0.0005	Not Detected	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
<sup>[A]</sup> Trivalent Chromium *	mg/L	-	0.01	<0.01	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
<sup>[A]</sup> Zinc	mg/L	0.003	0.005	0.05	≤1	≤1	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
<b>Microbiological Testing</b>								
<sup>[A]</sup> Fecal Coliform	MPN/100mL	-	-	4900.0	≤4000	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B, E	Bangkok
<sup>[A]</sup> Total Coliform	MPN/100mL	-	-	33000.0	≤20000	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B	Bangkok
<b>Water Testing</b>								
Ammonia Nitrogen *	mg/L	0.02	0.05	0.94	≤0.5	≤0.5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-NH3 (D)	Rayong
BOD (5 days at 20 Degree C) *	mg/L	-	2.0	4.1	≤2	≤4	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Rayong
Cyanide as CN	mg/L	0.001	0.005	<0.005	≤0.005	≤0.005	In-house method : STM 02-003 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - CN (C, E)	Rayong

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## Analysis / Test Report

**Client :** Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140

**P/O :** RJN(2)-004/066

**Project Name :** Pluak Daeng

**Project Location :**

**TESTING**

**No.0042**

**Lot ID: 2380651**

Date Received : Aug 17, 2023

Date Reported : Aug 24, 2023

Report Number : 2713096-1

Page 3 of 12

<b>Sample Number</b>	2380651-1							
<b>Sampled Date</b>	Aug 17, 2023 10:00 AM							
<b>Sample Description</b>	Surface Water							
<b>Location</b>	ห้วยภูไทรก่อนจตุรเขษน้ำทิ้งที่ 1 ของโครงการ ระยะห่างประมาณ 500 เมตร (SW1)							
<b>Date Analysis Commenced</b>	Aug 17, 2023							
<b>Condition of Sample</b>	Contained in two glass vials, one BOD 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
<b>Water Testing</b>								
Dissolved Oxygen *	mg/L	-	0.1	6.8	≥4	≥2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-O (C)	Rayong
Flow rate *	m3/s	-	-	0.000	No Standard	No Standard	Flow meter	Rayong
Nitrate as N *	mg/L	0.015	0.05	2.09	≤5	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-NO3 (E)	Rayong
pH at 25 degree C		-	-	7.7	5.0-9.0	5.0-9.0	In-house method : STM 02-005 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Rayong
Phenol *	mg/L	0.0005	0.001	Not Detected	≤0.005	≤0.005	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5530 D	Rayong
Temperature *	Degree C	-	-	29.4	(c)	(c)	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Rayong

**Guideline :** (1) Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 3)

(2) Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 4)

(a) Not Change from natural condition

(b) Non Objectionable

(c) Change from Natural condition not more than 3 degree C

**Sampling By :** Paramet Sattayakun ทะเบียนเลขที่ ว-323-จ-9476

Remark :

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked \* is/are not included in scope of Accreditation ISO/IEC 17025.
- 
- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Approved by

*N. Banchongkit*

Narumon Banchongkit  
Supervisor

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54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140  
**P/O :** RJN(2)-004/066  
**Project Name :** Pluak Daeng  
**Project Location :**

**TESTING**  
**No.0042**  
**Lot ID: 2380651**  
Date Received : Aug 17, 2023  
Date Reported : Aug 24, 2023  
Report Number : 2713096-1

Page 4 of 12

**Sample Number** 2380651-2  
**Sampled Date** Aug 17, 2023 9:40 AM  
**Sample Description** Surface Water  
**Location** ห้วยภูไทก่อนจตุรเขสน้ำทิ้งที่ 1 ของโครงการ (SW2)  
**Date Analysis Commenced** Aug 17, 2023  
**Condition of Sample** Contained in two glass vials, one BOD 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
<b>Metals Testing</b>								
<sup>[A]</sup> Aluminium	mg/L	0.003	0.005	3.14	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
<sup>[A]</sup> Arsenic	mg/L	0.0003	0.0005	0.009	≤0.01	≤0.01	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
<sup>[A]</sup> Cadmium	mg/L	0.0003	0.0005	Not Detected	≤0.005	≤0.005	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
<sup>[A]</sup> Copper	mg/L	0.0003	0.0005	0.004	≤0.10	≤0.10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
<sup>[A]</sup> Hexavalent Chromium	mg/L	0.003	0.01	Not Detected	≤0.05	≤0.05	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3500-Cr B	Bangkok
<sup>[A]</sup> Lead	mg/L	0.0003	0.0005	0.007	≤0.05	≤0.05	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
<sup>[A]</sup> Mercury	mg/L	0.0001	0.0005	Not Detected	≤0.002	≤0.002	In-house method : STM 05-007 based on United States Environmental Protection Agency, 2002, EPA Method 1631, Revision E	Bangkok
<sup>[A]</sup> Nickel	mg/L	0.0003	0.0005	0.02	≤0.10	≤0.10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok

Approved by

*N. Banchongkit*

Narumon Banchongkit  
Supervisor

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## Analysis / Test Report

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54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140  
**P/O :** RJN(2)-004/066  
**Project Name :** Pluak Daeng  
**Project Location :**

**TESTING**  
**No.0042**  
**Lot ID: 2380651**  
Date Received : Aug 17, 2023  
Date Reported : Aug 24, 2023  
Report Number : 2713096-1

Page 5 of 12

<b>Sample Number</b>	2380651-2							
<b>Sampled Date</b>	Aug 17, 2023 9:40 AM							
<b>Sample Description</b>	Surface Water							
<b>Location</b>	ห้วยภูไทก่อนจตุรเข้าน้ำทิ้งที่ 1 ของโครงการ (SW2)							
<b>Date Analysis Commenced</b>	Aug 17, 2023							
<b>Condition of Sample</b>	Contained in two glass vials, one BOD 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
<b>Metals Testing</b>								
<sup>[A]</sup> Silver	mg/L	0.0003	0.0005	Not Detected	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
<sup>[A]</sup> Trivalent Chromium *	mg/L	-	0.01	<0.01	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
<sup>[A]</sup> Zinc	mg/L	0.003	0.005	0.03	≤1	≤1	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
<b>Microbiological Testing</b>								
<sup>[A]</sup> Fecal Coliform	MPN/100mL	-	-	4900.0	≤4000	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B, E	Bangkok
<sup>[A]</sup> Total Coliform	MPN/100mL	-	-	7900.0	≤20000	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B	Bangkok
<b>Water Testing</b>								
Ammonia Nitrogen *	mg/L	0.02	0.05	0.97	≤0.5	≤0.5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-NH3 (D)	Rayong
BOD (5 days at 20 Degree C) *	mg/L	-	2.0	3.9	≤2	≤4	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Rayong
Cyanide as CN	mg/L	0.001	0.005	<0.005	≤0.005	≤0.005	In-house method : STM 02-003 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - CN (C, E)	Rayong

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Approved by

*N. Banchongkit*

Narumon Banchongkit  
Supervisor

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## Analysis / Test Report

**Client :** Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140  
**P/O :** RJN(2)-004/066  
**Project Name :** Pluak Daeng  
**Project Location :**

**TESTING**  
**No.0042**  
**Lot ID: 2380651**  
Date Received : Aug 17, 2023  
Date Reported : Aug 24, 2023  
Report Number : 2713096-1

Page 6 of 12

<b>Sample Number</b>	2380651-2							
<b>Sampled Date</b>	Aug 17, 2023 9:40 AM							
<b>Sample Description</b>	Surface Water							
<b>Location</b>	ห้วยภูไทก่อนจตุรระบายน้ำทั้งที่ 1 ของโครงการ (SW2)							
<b>Date Analysis Commenced</b>	Aug 17, 2023							
<b>Condition of Sample</b>	Contained in two glass vials, one BOD 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
<b>Water Testing</b>								
Dissolved Oxygen *	mg/L	-	0.1	6.6	≥4	≥2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-O (C)	Rayong
Flow rate *	m3/s	-	-	0.000	No Standard	No Standard	Flow meter	Rayong
Nitrate as N *	mg/L	0.015	0.05	1.71	≤5	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-NO3 (E)	Rayong
pH at 25 degree C		-	-	7.7	5.0-9.0	5.0-9.0	In-house method : STM 02-005 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Rayong
Phenol *	mg/L	0.0005	0.001	Not Detected	≤0.005	≤0.005	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5530 D	Rayong
Temperature *	Degree C	-	-	29.6	(c)	(c)	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Rayong

**Guideline :** (1) Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 3)  
(2) Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 4)  
(a) Not Change from natural condition  
(b) Non Objectionable  
(c) Change from Natural condition not more than 3 degree C

**Sampling By :** Paramet Sattayakun ทะเบียนเลขที่ ว-323-จ-9476

**Remark :**

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked \* is/are not included in scope of Accreditation ISO/IEC 17025.
- 
- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Approved by

*N. Banchongkit*

Narumon Banchongkit  
Supervisor

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## Analysis / Test Report

**Client :** Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140  
**P/O :** RJN(2)-004/066  
**Project Name :** Pluak Daeng  
**Project Location :**

**TESTING**  
**No.0042**  
**Lot ID: 2380651**  
Date Received : Aug 17, 2023  
Date Reported : Aug 24, 2023  
Report Number : 2713096-1

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**Sample Number** 2380651-3  
**Sampled Date** Aug 17, 2023 10:20 AM  
**Sample Description** Surface Water  
**Location** ห้วยภูไทจรดระบายน้ำทั้งที่ 2 ของโครงการ (SW3)  
**Date Analysis Commenced** Aug 17, 2023  
**Condition of Sample** Contained in two glass vials, one BOD 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
<b>Metals Testing</b>								
<sup>[A]</sup> Aluminium	mg/L	0.003	0.005	4.53	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
<sup>[A]</sup> Arsenic	mg/L	0.0003	0.0005	0.008	≤0.01	≤0.01	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
<sup>[A]</sup> Cadmium	mg/L	0.0003	0.0005	Not Detected	≤0.005	≤0.005	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
<sup>[A]</sup> Copper	mg/L	0.0003	0.0005	0.004	≤0.10	≤0.10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
<sup>[A]</sup> Hexavalent Chromium	mg/L	0.003	0.01	Not Detected	≤0.05	≤0.05	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3500-Cr B	Bangkok
<sup>[A]</sup> Lead	mg/L	0.0003	0.0005	0.010	≤0.05	≤0.05	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
<sup>[A]</sup> Mercury	mg/L	0.0001	0.0005	Not Detected	≤0.002	≤0.002	In-house method : STM 05-007 based on United States Environmental Protection Agency, 2002, EPA Method 1631, Revision E	Bangkok
<sup>[A]</sup> Nickel	mg/L	0.0003	0.0005	0.01	≤0.10	≤0.10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok

Approved by

*N. Banchongkit*

Narumon Banchongkit  
Supervisor

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**Client :** Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140  
**P/O :** RJN(2)-004/066  
**Project Name :** Pluak Daeng  
**Project Location :**

**TESTING**  
**No.0042**  
**Lot ID: 2380651**  
Date Received : Aug 17, 2023  
Date Reported : Aug 24, 2023  
Report Number : 2713096-1

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<b>Sample Number</b>	2380651-3							
<b>Sampled Date</b>	Aug 17, 2023 10:20 AM							
<b>Sample Description</b>	Surface Water							
<b>Location</b>	ห้วยภูไทระดมายน้ำทั้งที่ 2 ของโครงการ (SW3)							
<b>Date Analysis Commenced</b>	Aug 17, 2023							
<b>Condition of Sample</b>	Contained in two glass vials, one BOD 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
<b>Metals Testing</b>								
<sup>[A]</sup> Silver	mg/L	0.0003	0.0005	Not Detected	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
<sup>[A]</sup> Trivalent Chromium *	mg/L	-	0.01	<0.01	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
<sup>[A]</sup> Zinc	mg/L	0.003	0.005	0.05	≤1	≤1	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
<b>Microbiological Testing</b>								
<sup>[A]</sup> Fecal Coliform	MPN/100mL	-	-	790.0	≤4000	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B, E	Bangkok
<sup>[A]</sup> Total Coliform	MPN/100mL	-	-	3300.0	≤20000	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B	Bangkok
<b>Water Testing</b>								
Ammonia Nitrogen *	mg/L	0.02	0.05	0.57	≤0.5	≤0.5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-NH3 (D)	Rayong
BOD (5 days at 20 Degree C) *	mg/L	-	2.0	2.2	≤2	≤4	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Rayong
Cyanide as CN	mg/L	0.001	0.005	<0.005	≤0.005	≤0.005	In-house method : STM 02-003 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - CN (C, E)	Rayong

Approved by

*N. Banchongkit*

Narumon Banchongkit  
Supervisor

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**P/O :** RJN(2)-004/066  
**Project Name :** Pluak Daeng  
**Project Location :**

**TESTING**  
**No.0042**  
**Lot ID: 2380651**  
Date Received : Aug 17, 2023  
Date Reported : Aug 24, 2023  
Report Number : 2713096-1

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<b>Sample Number</b>	2380651-3							
<b>Sampled Date</b>	Aug 17, 2023 10:20 AM							
<b>Sample Description</b>	Surface Water							
<b>Location</b>	ห้วยภูไทระดมายน้ำทั้งที่ 2 ของโครงการ (SW3)							
<b>Date Analysis Commenced</b>	Aug 17, 2023							
<b>Condition of Sample</b>	Contained in two glass vials, one BOD 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
<b>Water Testing</b>								
Dissolved Oxygen *	mg/L	-	0.1	4.7	≥4	≥2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-O (C)	Rayong
Flow rate *	m3/s	-	-	0.000	No Standard	No Standard	Flow meter	Rayong
Nitrate as N *	mg/L	0.015	0.05	1.47	≤5	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-NO3 (E)	Rayong
pH at 25 degree C		-	-	7.5	5.0-9.0	5.0-9.0	In-house method : STM 02-005 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Rayong
Phenol *	mg/L	0.0005	0.001	Not Detected	≤0.005	≤0.005	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5530 D	Rayong
Temperature *	Degree C	-	-	29.7	(c)	(c)	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Rayong

**Guideline :** (1) Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 3)  
(2) Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 4)  
(a) Not Change from natural condition  
(b) Non Objectionable  
(c) Change from Natural condition not more than 3 degree C

**Sampling By :** Paramet Sattayakun ทะเบียนเลขที่ ๖-323-๖-9476

**Remark :**

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked \* is/are not included in scope of Accreditation ISO/IEC 17025.
- 
- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Approved by

*N. Banchongkit*

Narumon Banchongkit  
Supervisor

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## Analysis / Test Report

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54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140  
**P/O :** RJN(2)-004/066  
**Project Name :** Pluak Daeng  
**Project Location :**

**TESTING**  
**No.0042**  
**Lot ID: 2380651**  
Date Received : Aug 17, 2023  
Date Reported : Aug 24, 2023  
Report Number : 2713096-1

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**Sample Number** 2380651-4  
**Sampled Date** Aug 17, 2023 10:35 AM  
**Sample Description** Surface Water  
**Location** ห้วยภูไทหลังจตุรระบายน้ำทิ้งที่ 2 ของโครงการระยะทางประมาณ 500 เมตร (SW4)  
**Date Analysis Commenced** Aug 17, 2023  
**Condition of Sample** Contained in two glass vials, one BOD 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
<b>Metals Testing</b>								
<sup>[A]</sup> Aluminium	mg/L	0.003	0.005	5.11	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
<sup>[A]</sup> Arsenic	mg/L	0.0003	0.0005	0.008	≤0.01	≤0.01	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
<sup>[A]</sup> Cadmium	mg/L	0.0003	0.0005	Not Detected	≤0.005	≤0.005	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
<sup>[A]</sup> Copper	mg/L	0.0003	0.0005	0.004	≤0.10	≤0.10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
<sup>[A]</sup> Hexavalent Chromium	mg/L	0.003	0.01	Not Detected	≤0.05	≤0.05	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3500-Cr B	Bangkok
<sup>[A]</sup> Lead	mg/L	0.0003	0.0005	0.01	≤0.05	≤0.05	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
<sup>[A]</sup> Mercury	mg/L	0.0001	0.0005	Not Detected	≤0.002	≤0.002	In-house method : STM 05-007 based on United States Environmental Protection Agency, 2002, EPA Method 1631, Revision E	Bangkok
<sup>[A]</sup> Nickel	mg/L	0.0003	0.0005	0.01	≤0.10	≤0.10	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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54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140  
**P/O :** RJN(2)-004/066  
**Project Name :** Pluak Daeng  
**Project Location :**

**TESTING**  
**No.0042**  
**Lot ID: 2380651**  
Date Received : Aug 17, 2023  
Date Reported : Aug 24, 2023  
Report Number : 2713096-1

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<b>Sample Number</b>	2380651-4							
<b>Sampled Date</b>	Aug 17, 2023 10:35 AM							
<b>Sample Description</b>	Surface Water							
<b>Location</b>	ห้วยภูไทหลังจตุรเขษน้ำทิ้งที่ 2 ของโครงการระยะห่างประมาณ 500 เมตร (SW4)							
<b>Date Analysis Commenced</b>	Aug 17, 2023							
<b>Condition of Sample</b>	Contained in two glass vials, one BOD 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
<b>Metals Testing</b>								
<sup>[A]</sup> Silver	mg/L	0.0003	0.0005	Not Detected	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
<sup>[A]</sup> Trivalent Chromium *	mg/L	-	0.01	<0.01	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
<sup>[A]</sup> Zinc	mg/L	0.003	0.005	0.04	≤1	≤1	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
<b>Microbiological Testing</b>								
<sup>[A]</sup> Fecal Coliform	MPN/100mL	-	-	790.0	≤4000	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B, E	Bangkok
<sup>[A]</sup> Total Coliform	MPN/100mL	-	-	3300.0	≤20000	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B	Bangkok
<b>Water Testing</b>								
Ammonia Nitrogen *	mg/L	0.02	0.05	0.57	≤0.5	≤0.5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-NH3 (D)	Rayong
BOD (5 days at 20 Degree C) *	mg/L	-	2.0	2.6	≤2	≤4	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Rayong
Cyanide as CN	mg/L	0.001	0.005	<0.005	≤0.005	≤0.005	In-house method : STM 02-003 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - CN (C, E)	Rayong

Approved by

*N. Banchongkit*

Narumon Banchongkit  
Supervisor

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## Analysis / Test Report

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54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140

**P/O :** RJN(2)-004/066

**Project Name :** Pluak Daeng

**Project Location :**

**TESTING**

**No.0042**

**Lot ID: 2380651**

Date Received : Aug 17, 2023

Date Reported : Aug 24, 2023

Report Number : 2713096-1

Page 12 of 12

<b>Sample Number</b>	2380651-4							
<b>Sampled Date</b>	Aug 17, 2023 10:35 AM							
<b>Sample Description</b>	Surface Water							
<b>Location</b>	ห้วยภูไทหลังจตุรเขษน้ำทิ้งที่ 2 ของโครงการระยะทางประมาณ 500 เมตร (SW4)							
<b>Date Analysis Commenced</b>	Aug 17, 2023							
<b>Condition of Sample</b>	Contained in two glass vials, one BOD 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
<b>Water Testing</b>								
Dissolved Oxygen *	mg/L	-	0.1	4.5	≥4	≥2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-O (C)	Rayong
Flow rate *	m3/s	-	-	0.000	No Standard	No Standard	Flow meter	Rayong
Nitrate as N *	mg/L	0.015	0.05	1.47	≤5	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-NO3 (E)	Rayong
pH at 25 degree C		-	-	7.5	5.0-9.0	5.0-9.0	In-house method : STM 02-005 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Rayong
Phenol *	mg/L	0.0005	0.001	Not Detected	≤0.005	≤0.005	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5530 D	Rayong
Temperature *	Degree C	-	-	29.9	(c)	(c)	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Rayong

**Guideline :** (1) Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 3)

(2) Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 4)

(a) Not Change from natural condition

(b) Non Objectionable

(c) Change from Natural condition not more than 3 degree C

**Sampling By :** Paramet Sattayakun ทะเบียนเลขที่ ว-323-จ-9476

Remark :

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked \* is/are not included in scope of Accreditation ISO/IEC 17025.
- 
- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Approved by

*N. Banchongkit*

Narumon Banchongkit  
Supervisor

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## Analysis / Test Report

**Client :** Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140  
**P/O :** RJN(2)-004/066  
**Project Name :** Pluak Daeng  
**Project Location :**

**TESTING**  
**No.0042**  
**Lot ID: 2397508**  
Date Received : Sep 14, 2023  
Date Reported : Sep 22, 2023  
Report Number : 2751159-1

Page 1 of 12

<b>Sample Number</b>	2397508-1
<b>Sampled Date</b>	Sep 14, 2023 9:54 AM
<b>Sample Description</b>	Surface Water
<b>Location</b>	ห้วยภูไทก่อนจุดระบายน้ำทิ้งที่ 1 ของโครงการ ระยะห่างประมาณ 500 เมตร (SW1)
<b>Date Analysis Commenced</b>	Sep 14, 2023
<b>Condition of Sample</b>	Contained in one BOD bottle, two glass vials and seven plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
<b>Metals Testing</b>								
<sup>[A]</sup> Aluminium	mg/L	0.003	0.005	155	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
<sup>[A]</sup> Arsenic	mg/L	0.0003	0.0005	0.14	≤0.01	≤0.01	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
<sup>[A]</sup> Cadmium	mg/L	0.0003	0.0005	0.001	≤0.005	≤0.005	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
<sup>[A]</sup> Copper	mg/L	0.0003	0.0005	0.18	≤0.10	≤0.10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
<sup>[A]</sup> Hexavalent Chromium	mg/L	0.003	0.01	Not Detected	≤0.05	≤0.05	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3500-Cr B	Bangkok
<sup>[A]</sup> Lead	mg/L	0.0003	0.0005	0.50	≤0.05	≤0.05	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
<sup>[A]</sup> Mercury	mg/L	0.0001	0.0005	0.0009	≤0.002	≤0.002	In-house method : STM 05-007 based on United States Environmental Protection Agency, 2002, EPA Method 1631, Revision E	Bangkok
<sup>[A]</sup> Nickel	mg/L	0.0003	0.0005	0.09	≤0.10	≤0.10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok

Approved by

*N. Banchongkit*

Narumon Banchongkit  
Supervisor

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## Analysis / Test Report

**Client :** Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140  
**P/O :** RJN(2)-004/066  
**Project Name :** Pluak Daeng  
**Project Location :**

**TESTING**  
**No.0042**  
**Lot ID: 2397508**  
Date Received : Sep 14, 2023  
Date Reported : Sep 22, 2023  
Report Number : 2751159-1

Page 2 of 12

<b>Sample Number</b>	2397508-1							
<b>Sampled Date</b>	Sep 14, 2023 9:54 AM							
<b>Sample Description</b>	Surface Water							
<b>Location</b>	ห้วยภูไทก่อนจุดระบายน้ำทิ้งที่ 1 ของโครงการ ระยะห่างประมาณ 500 เมตร (SW1)							
<b>Date Analysis Commenced</b>	Sep 14, 2023							
<b>Condition of Sample</b>	Contained in one BOD bottle, two glass vials and seven plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)							

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
<b>Metals Testing</b>								
<sup>[A]</sup> Silver	mg/L	0.0003	0.0005	0.002	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Trivalent Chromium *	mg/L	-	0.01	0.21	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
<sup>[A]</sup> Zinc	mg/L	0.003	0.005	0.93	≤1	≤1	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
<b>Microbiological Testing</b>								
<sup>[A]</sup> Fecal Coliform	MPN/100mL	-	-	7900.0	≤4000	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B, E	Bangkok
<sup>[A]</sup> Total Coliform	MPN/100mL	-	-	79000.0	≤20000	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B	Bangkok
<b>Water Testing</b>								
Ammonia Nitrogen *	mg/L	0.02	0.05	0.98	≤0.5	≤0.5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-NH3 (D)	Rayong
BOD (5 days at 20 Degree C) *	mg/L	-	2.0	6.1	≤2	≤4	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Rayong
Cyanide as CN	mg/L	0.001	0.005	0.005	≤0.005	≤0.005	In-house method : STM 02-003 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - CN (C, E)	Rayong

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*N. Banchongkit*

Narumon Banchongkit  
Supervisor

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## Analysis / Test Report

**Client :** Rojana Industrial Park Rayong 2 Co., Ltd.  
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**P/O :** RJN(2)-004/066  
**Project Name :** Pluak Daeng  
**Project Location :**

**TESTING**  
**No.0042**  
**Lot ID: 2397508**  
Date Received : Sep 14, 2023  
Date Reported : Sep 22, 2023  
Report Number : 2751159-1

Page 3 of 12

<b>Sample Number</b>	2397508-1							
<b>Sampled Date</b>	Sep 14, 2023 9:54 AM							
<b>Sample Description</b>	Surface Water							
<b>Location</b>	ห้วยภูไทก่อนจุดระบายน้ำทิ้งที่ 1 ของโครงการ ระยะห่างประมาณ 500 เมตร (SW1)							
<b>Date Analysis Commenced</b>	Sep 14, 2023							
<b>Condition of Sample</b>	Contained in one BOD bottle, two glass vials and seven plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)							

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
<b>Water Testing</b>								
Dissolved Oxygen *	mg/L	-	0.1	1.4	≥4	≥2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-O (C)	Rayong
Flow rate *	m3/s	-	-	0.000	No Standard	No Standard	Flow meter	Rayong
Nitrate as N *	mg/L	0.015	0.05	2.38	≤5	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-NO3 (E)	Rayong
pH at 25 degree C		-	-	6.8	5.0-9.0	5.0-9.0	In-house method : STM 02-005 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Rayong
Phenol *	mg/L	0.0005	0.001	Not Detected	≤0.005	≤0.005	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5530 D	Rayong
Temperature *	Degree C	-	-	30.3	(c)	(c)	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Rayong

**Guideline :** (1) Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 3)  
(2) Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 4)  
(a) Not Change from natural condition  
(b) Non Objectionable  
(c) Change from Natural condition not more than 3 degree C

**Sampling By :** Tanasit Wongsachai ทะเบียนเลขที่ ว-323-จ-9460 , Panupong Manit ทะเบียนเลขที่ ว-204-จ-8600

**Remark :**

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked \* is/are not included in scope of Accreditation ISO/IEC 17025.
- 
- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Approved by

*N. Banchongkit*

Narumon Banchongkit  
Supervisor

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## Analysis / Test Report

**Client :** Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140  
**P/O :** RJN(2)-004/066  
**Project Name :** Pluak Daeng  
**Project Location :**

**TESTING**  
**No.0042**  
**Lot ID: 2397508**  
Date Received : Sep 14, 2023  
Date Reported : Sep 22, 2023  
Report Number : 2751159-1

Page 4 of 12

<b>Sample Number</b>	2397508-2
<b>Sampled Date</b>	Sep 14, 2023 9:43 AM
<b>Sample Description</b>	Surface Water
<b>Location</b>	ห้วยภูไทก่อนจตุรเข้าน้ำทิ้งที่ 1 ของโครงการ (SW2)
<b>Date Analysis Commenced</b>	Sep 14, 2023
<b>Condition of Sample</b>	Contained in one BOD bottle, two glass vials and seven plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
<b>Metals Testing</b>								
<sup>[A]</sup> Aluminium	mg/L	0.003	0.005	2.53	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
<sup>[A]</sup> Arsenic	mg/L	0.0003	0.0005	0.007	≤0.01	≤0.01	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
<sup>[A]</sup> Cadmium	mg/L	0.0003	0.0005	Not Detected	≤0.005	≤0.005	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
<sup>[A]</sup> Copper	mg/L	0.0003	0.0005	0.003	≤0.10	≤0.10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
<sup>[A]</sup> Hexavalent Chromium	mg/L	0.003	0.01	Not Detected	≤0.05	≤0.05	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3500-Cr B	Bangkok
<sup>[A]</sup> Lead	mg/L	0.0003	0.0005	0.006	≤0.05	≤0.05	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
<sup>[A]</sup> Mercury	mg/L	0.0001	0.0005	Not Detected	≤0.002	≤0.002	In-house method : STM 05-007 based on United States Environmental Protection Agency, 2002, EPA Method 1631, Revision E	Bangkok
<sup>[A]</sup> Nickel	mg/L	0.0003	0.0005	0.02	≤0.10	≤0.10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok

Approved by

*N. Banchongkit*

Narumon Banchongkit  
Supervisor

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## Analysis / Test Report

**Client :** Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140  
**P/O :** RJN(2)-004/066  
**Project Name :** Pluak Daeng  
**Project Location :**

**TESTING**  
**No.0042**  
**Lot ID: 2397508**  
Date Received : Sep 14, 2023  
Date Reported : Sep 22, 2023  
Report Number : 2751159-1

Page 5 of 12

<b>Sample Number</b>	2397508-2							
<b>Sampled Date</b>	Sep 14, 2023 9:43 AM							
<b>Sample Description</b>	Surface Water							
<b>Location</b>	ห้วยภูไทก่อนจตุรเข้าน้ำทิ้งที่ 1 ของโครงการ (SW2)							
<b>Date Analysis Commenced</b>	Sep 14, 2023							
<b>Condition of Sample</b>	Contained in one BOD bottle, two glass vials and seven plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)							
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
<b>Metals Testing</b>								
<sup>[A]</sup> Silver	mg/L	0.0003	0.0005	Not Detected	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Trivalent Chromium *	mg/L	-	0.01	<0.01	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
<sup>[A]</sup> Zinc	mg/L	0.003	0.005	0.02	≤1	≤1	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
<b>Microbiological Testing</b>								
<sup>[A]</sup> Fecal Coliform	MPN/100mL	-	-	49000.0	≤4000	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B, E	Bangkok
<sup>[A]</sup> Total Coliform	MPN/100mL	-	-	79000.0	≤20000	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B	Bangkok
<b>Water Testing</b>								
Ammonia Nitrogen *	mg/L	0.02	0.05	0.97	≤0.5	≤0.5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-NH3 (D)	Rayong
BOD (5 days at 20 Degree C) *	mg/L	-	2.0	2.5	≤2	≤4	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Rayong
Cyanide as CN	mg/L	0.001	0.005	<0.005	≤0.005	≤0.005	In-house method : STM 02-003 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - CN (C, E)	Rayong

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Supervisor

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## Analysis / Test Report

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**P/O :** RJN(2)-004/066  
**Project Name :** Pluak Daeng  
**Project Location :**

**TESTING**  
**No.0042**  
**Lot ID: 2397508**  
Date Received : Sep 14, 2023  
Date Reported : Sep 22, 2023  
Report Number : 2751159-1

Page 6 of 12

**Sample Number** 2397508-2  
**Sampled Date** Sep 14, 2023 9:43 AM  
**Sample Description** Surface Water  
**Location** ห้วยภูไทก่อนจตุรเขษน้ำทิ้งที่ 1 ของโครงการ (SW2)  
**Date Analysis Commenced** Sep 14, 2023  
**Condition of Sample** Contained in one BOD bottle, two glass vials and seven plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
<b>Water Testing</b>								
Dissolved Oxygen *	mg/L	-	0.1	6.6	≥4	≥2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-O (C)	Rayong
Flow rate *	m3/s	-	-	0.000	No Standard	No Standard	Flow meter	Rayong
Nitrate as N *	mg/L	0.015	0.05	1.61	≤5	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-NO3 (E)	Rayong
pH at 25 degree C		-	-	8.4	5.0-9.0	5.0-9.0	In-house method : STM 02-005 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Rayong
Phenol *	mg/L	0.0005	0.001	Not Detected	≤0.005	≤0.005	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5530 D	Rayong
Temperature *	Degree C	-	-	29.8	(c)	(c)	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Rayong

**Guideline :** (1) Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 3)  
(2) Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 4)  
(a) Not Change from natural condition  
(b) Non Objectionable  
(c) Change from Natural condition not more than 3 degree C

**Sampling By :** Tanasit Wongsachai ทะเบียนเลขที่ ว-323-จ-9460 , Panupong Manit ทะเบียนเลขที่ ว-204-จ-8600

**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.

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*N. Banchongkit*

Narumon Banchongkit  
Supervisor

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## Analysis / Test Report

**Client :** Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140  
**P/O :** RJN(2)-004/066  
**Project Name :** Pluak Daeng  
**Project Location :**

**TESTING**  
**No.0042**  
**Lot ID: 2397508**  
Date Received : Sep 14, 2023  
Date Reported : Sep 22, 2023  
Report Number : 2751159-1

Page 7 of 12

<b>Sample Number</b>	2397508-3							
<b>Sampled Date</b>	Sep 14, 2023 9:00 AM							
<b>Sample Description</b>	Surface Water							
<b>Location</b>	ห้วยภูไทจรดระบายน้ำทั้งที่ 2 ของโครงการ (SW3)							
<b>Date Analysis Commenced</b>	Sep 14, 2023							
<b>Condition of Sample</b>	Contained in one BOD bottle, two glass vials and seven plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)							

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
<b>Metals Testing</b>								
<sup>[A]</sup> Aluminium	mg/L	0.003	0.005	2.70	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
<sup>[A]</sup> Arsenic	mg/L	0.0003	0.0005	0.008	≤0.01	≤0.01	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
<sup>[A]</sup> Cadmium	mg/L	0.0003	0.0005	Not Detected	≤0.005	≤0.005	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
<sup>[A]</sup> Copper	mg/L	0.0003	0.0005	0.004	≤0.10	≤0.10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
<sup>[A]</sup> Hexavalent Chromium	mg/L	0.003	0.01	Not Detected	≤0.05	≤0.05	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3500-Cr B	Bangkok
<sup>[A]</sup> Lead	mg/L	0.0003	0.0005	0.009	≤0.05	≤0.05	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
<sup>[A]</sup> Mercury	mg/L	0.0001	0.0005	Not Detected	≤0.002	≤0.002	In-house method : STM 05-007 based on United States Environmental Protection Agency, 2002, EPA Method 1631, Revision E	Bangkok
<sup>[A]</sup> Nickel	mg/L	0.0003	0.0005	0.01	≤0.10	≤0.10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok

Approved by

*N. Banchongkit*

Narumon Banchongkit  
Supervisor

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## Analysis / Test Report

**Client :** Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140  
**P/O :** RJN(2)-004/066  
**Project Name :** Pluak Daeng  
**Project Location :**

**TESTING**  
**No.0042**  
**Lot ID: 2397508**  
Date Received : Sep 14, 2023  
Date Reported : Sep 22, 2023  
Report Number : 2751159-1

Page 8 of 12

<b>Sample Number</b>	2397508-3							
<b>Sampled Date</b>	Sep 14, 2023 9:00 AM							
<b>Sample Description</b>	Surface Water							
<b>Location</b>	ห้วยภูไทระดมายน้ำทั้งที่ 2 ของโครงการ (SW3)							
<b>Date Analysis Commenced</b>	Sep 14, 2023							
<b>Condition of Sample</b>	Contained in one BOD bottle, two glass vials and seven plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)							
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
<b>Metals Testing</b>								
<sup>[A]</sup> Silver	mg/L	0.0003	0.0005	Not Detected	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
<sup>[A]</sup> Trivalent Chromium *	mg/L	-	0.01	<0.01	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
<sup>[A]</sup> Zinc	mg/L	0.003	0.005	0.02	≤1	≤1	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
<b>Microbiological Testing</b>								
<sup>[A]</sup> Fecal Coliform	MPN/100mL	-	-	330.0	≤4000	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B, E	Bangkok
<sup>[A]</sup> Total Coliform	MPN/100mL	-	-	7000.0	≤20000	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B	Bangkok
<b>Water Testing</b>								
Ammonia Nitrogen *	mg/L	0.02	0.05	0.50	≤0.5	≤0.5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-NH3 (D)	Rayong
BOD (5 days at 20 Degree C) *	mg/L	-	2.0	3.6	≤2	≤4	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Rayong
Cyanide as CN	mg/L	0.001	0.005	<0.005	≤0.005	≤0.005	In-house method : STM 02-003 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - CN (C, E)	Rayong

Approved by

*N. Banchongkit*

Narumon Banchongkit  
Supervisor

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54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140  
**P/O :** RJN(2)-004/066  
**Project Name :** Pluak Daeng  
**Project Location :**

**TESTING**  
**No.0042**  
**Lot ID: 2397508**  
Date Received : Sep 14, 2023  
Date Reported : Sep 22, 2023  
Report Number : 2751159-1

Page 9 of 12

<b>Sample Number</b>	2397508-3						
<b>Sampled Date</b>	Sep 14, 2023 9:00 AM						
<b>Sample Description</b>	Surface Water						
<b>Location</b>	ห้วยภูไทจรดระบายน้ำทั้งที่ 2 ของโครงการ (SW3)						
<b>Date Analysis Commenced</b>	Sep 14, 2023						
<b>Condition of Sample</b>	Contained in one BOD bottle, two glass vials and seven plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
<b>Water Testing</b>								
Dissolved Oxygen *	mg/L	-	0.1	5.2	≥4	≥2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-O (C)	Rayong
Flow rate *	m3/s	-	-	0.000	No Standard	No Standard	Flow meter	Rayong
Nitrate as N *	mg/L	0.015	0.05	1.79	≤5	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-NO3 (E)	Rayong
pH at 25 degree C		-	-	7.6	5.0-9.0	5.0-9.0	In-house method : STM 02-005 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Rayong
Phenol *	mg/L	0.0005	0.001	Not Detected	≤0.005	≤0.005	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5530 D	Rayong
Temperature *	Degree C	-	-	29.2	(c)	(c)	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Rayong

**Guideline :** (1) Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 3)  
(2) Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 4)  
(a) Not Change from natural condition  
(b) Non Objectionable  
(c) Change from Natural condition not more than 3 degree C

**Sampling By :** Tanasit Wongsachai ทะเบียนเลขที่ ว-323-จ-9460 , Panupong Manit ทะเบียนเลขที่ ว-204-จ-8600

**Remark :**

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked \* is/are not included in scope of Accreditation ISO/IEC 17025.
- 
- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Approved by

*N. Banchongkit*

Narumon Banchongkit  
Supervisor

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## Analysis / Test Report

**Client :** Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140  
**P/O :** RJN(2)-004/066  
**Project Name :** Pluak Daeng  
**Project Location :**

**TESTING**  
**No.0042**  
**Lot ID: 2397508**  
Date Received : Sep 14, 2023  
Date Reported : Sep 22, 2023  
Report Number : 2751159-1

Page 10 of 12

<b>Sample Number</b>	2397508-4
<b>Sampled Date</b>	Sep 14, 2023 10:15 AM
<b>Sample Description</b>	Surface Water
<b>Location</b>	ห้วยภูไทหลังจตุรเขษน้ำทิ้งที่ 2 ของโครงการระยะห่างประมาณ 500 เมตร (SW4)
<b>Date Analysis Commenced</b>	Sep 14, 2023
<b>Condition of Sample</b>	Contained in one BOD bottle, two glass vials and seven plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
<b>Metals Testing</b>								
<sup>[A]</sup> Aluminium	mg/L	0.003	0.005	2.22	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
<sup>[A]</sup> Arsenic	mg/L	0.0003	0.0005	0.006	≤0.01	≤0.01	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
<sup>[A]</sup> Cadmium	mg/L	0.0003	0.0005	Not Detected	≤0.005	≤0.005	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
<sup>[A]</sup> Copper	mg/L	0.0003	0.0005	0.003	≤0.10	≤0.10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
<sup>[A]</sup> Hexavalent Chromium	mg/L	0.003	0.01	Not Detected	≤0.05	≤0.05	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3500-Cr B	Bangkok
<sup>[A]</sup> Lead	mg/L	0.0003	0.0005	0.006	≤0.05	≤0.05	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
<sup>[A]</sup> Mercury	mg/L	0.0001	0.0005	Not Detected	≤0.002	≤0.002	In-house method : STM 05-007 based on United States Environmental Protection Agency, 2002, EPA Method 1631, Revision E	Bangkok
<sup>[A]</sup> Nickel	mg/L	0.0003	0.0005	0.01	≤0.10	≤0.10	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** : Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140  
**P/O** : RJN(2)-004/066  
**Project Name** : Pluak Daeng  
**Project Location** :

**TESTING**  
**No.0042**  
**Lot ID: 2397508**  
Date Received : Sep 14, 2023  
Date Reported : Sep 22, 2023  
Report Number : 2751159-1

Page 11 of 12

<b>Sample Number</b>	2397508-4							
<b>Sampled Date</b>	Sep 14, 2023 10:15 AM							
<b>Sample Description</b>	Surface Water							
<b>Location</b>	ห้วยภูไทหลังจตุรเขษน้ำทิ้งที่ 2 ของโครงการระยะทางประมาณ 500 เมตร (SW4)							
<b>Date Analysis Commenced</b>	Sep 14, 2023							
<b>Condition of Sample</b>	Contained in one BOD bottle, two glass vials and seven plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)							

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
<b>Metals Testing</b>								
<sup>[A]</sup> Silver	mg/L	0.0003	0.0005	Not Detected	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Trivalent Chromium *	mg/L	-	0.01	<0.01	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
<sup>[A]</sup> Zinc	mg/L	0.003	0.005	0.03	≤1	≤1	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
<b>Microbiological Testing</b>								
<sup>[A]</sup> Fecal Coliform	MPN/100mL	-	-	790.0	≤4000	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B, E	Bangkok
<sup>[A]</sup> Total Coliform	MPN/100mL	-	-	3300.0	≤20000	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B	Bangkok
<b>Water Testing</b>								
Ammonia Nitrogen *	mg/L	0.02	0.05	0.53	≤0.5	≤0.5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-NH3 (D)	Rayong
BOD (5 days at 20 Degree C) *	mg/L	-	2.0	2.9	≤2	≤4	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Rayong
Cyanide as CN	mg/L	0.001	0.005	<0.005	≤0.005	≤0.005	In-house method : STM 02-003 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - CN (C, E)	Rayong

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Supervisor

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## Analysis / Test Report

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54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140

**P/O :** RJN(2)-004/066

**Project Name :** Pluak Daeng

**Project Location :**

**TESTING**

**No.0042**

**Lot ID: 2397508**

Date Received : Sep 14, 2023

Date Reported : Sep 22, 2023

Report Number : 2751159-1

Page 12 of 12

<b>Sample Number</b>	2397508-4							
<b>Sampled Date</b>	Sep 14, 2023 10:15 AM							
<b>Sample Description</b>	Surface Water							
<b>Location</b>	ห้วยภูไทหลังจตุรเขษน้ำทิ้งที่ 2 ของโครงการระยะทางประมาณ 500 เมตร (SW4)							
<b>Date Analysis Commenced</b>	Sep 14, 2023							
<b>Condition of Sample</b>	Contained in one BOD bottle, two glass vials and seven plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)							

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
<b>Water Testing</b>								
Dissolved Oxygen *	mg/L	-	0.1	5.1	≥4	≥2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-O (C)	Rayong
Flow rate *	m3/s	-	-	0.000	No Standard	No Standard	Flow meter	Rayong
Nitrate as N *	mg/L	0.015	0.05	1.90	≤5	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-NO3 (E)	Rayong
pH at 25 degree C		-	-	7.6	5.0-9.0	5.0-9.0	In-house method : STM 02-005 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Rayong
Phenol *	mg/L	0.0005	0.001	Not Detected	≤0.005	≤0.005	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5530 D	Rayong
Temperature *	Degree C	-	-	29.7	(c)	(c)	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Rayong

**Guideline :** (1) Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 3)

(2) Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 4)

(a) Not Change from natural condition

(b) Non Objectionable

(c) Change from Natural condition not more than 3 degree C

**Sampling By :** Tanasit Wongsachai ทะเบียนเลขที่ ว-323-จ-9460 , Panupong Manit ทะเบียนเลขที่ ว-204-จ-8600

Remark :

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked \* is/are not included in scope of Accreditation ISO/IEC 17025.
- 
- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Approved by

*N. Banchongkit*

Narumon Banchongkit  
Supervisor

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## Analysis / Test Report

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54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140  
**P/O :** RJN(2)-004/066  
**Project Name :** Pluak Daeng  
**Project Location :**

**TESTING**  
**No.0042**  
**Lot ID: 23115905**  
Date Received : Oct 16, 2023  
Date Reported : Oct 25, 2023  
Report Number : 2795321-1

Page 1 of 12

<b>Sample Number</b>	23115905-1
<b>Sampled Date</b>	Oct 16, 2023 10:20 AM
<b>Sample Description</b>	Surface Water
<b>Location</b>	ห้วยภูไทรก่อนจตุรเขษน้ำทิ้งที่ 1 ของโครงการ ระยะห่างประมาณ 500 เมตร (SW1)
<b>Date Analysis Commenced</b>	Oct 16, 2023
<b>Condition of Sample</b>	Contained in two glass vials, one BOD bottle, one BOD bottle and seven plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
<b>Metals Testing</b>								
<sup>[A]</sup> Aluminium	mg/L	0.003	0.005	7.85	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
<sup>[A]</sup> Arsenic	mg/L	0.0003	0.0005	0.02	≤0.01	≤0.01	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
<sup>[A]</sup> Cadmium	mg/L	0.0003	0.0005	Not Detected	≤0.005	≤0.005	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
<sup>[A]</sup> Copper	mg/L	0.0003	0.0005	0.01	≤0.10	≤0.10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
<sup>[A]</sup> Hexavalent Chromium	mg/L	0.003	0.01	Not Detected	≤0.05	≤0.05	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3500-Cr B	Bangkok
<sup>[A]</sup> Lead	mg/L	0.0003	0.0005	0.03	≤0.05	≤0.05	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
<sup>[A]</sup> Mercury	mg/L	0.0001	0.0005	Not Detected	≤0.002	≤0.002	In-house method : STM 05-007 based on United States Environmental Protection Agency, 2002, EPA Method 1631, Revision E	Bangkok
<sup>[A]</sup> Nickel	mg/L	0.0003	0.0005	0.01	≤0.10	≤0.10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok

Approved by

*N. Banchongkit*

Narumon Banchongkit  
Supervisor

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## Analysis / Test Report

**Client** : Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140  
**P/O** : RJN(2)-004/066  
**Project Name** : Pluak Daeng  
**Project Location** :

**TESTING**  
**No.0042**  
**Lot ID: 23115905**  
Date Received : Oct 16, 2023  
Date Reported : Oct 25, 2023  
Report Number : 2795321-1

Page 2 of 12

<b>Sample Number</b>	23115905-1							
<b>Sampled Date</b>	Oct 16, 2023 10:20 AM							
<b>Sample Description</b>	Surface Water							
<b>Location</b>	ห้วยภูไทก่อนจุดระบายน้ำทิ้งที่ 1 ของโครงการ ระยะห่างประมาณ 500 เมตร (SW1)							
<b>Date Analysis Commenced</b>	Oct 16, 2023							
<b>Condition of Sample</b>	Contained in two glass vials, one BOD bottle, one BOD bottle and seven plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)							
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
<b>Metals Testing</b>								
<sup>[A]</sup> Silver	mg/L	0.0003	0.0005	Not Detected	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Trivalent Chromium *	mg/L	-	0.01	0.01	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
<sup>[A]</sup> Zinc	mg/L	0.003	0.005	0.06	≤1	≤1	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
<b>Microbiological Testing</b>								
<sup>[A]</sup> Fecal Coliform	MPN/100mL	-	-	13000.0	≤4000	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B, E	Bangkok
<sup>[A]</sup> Total Coliform	MPN/100mL	-	-	49000.0	≤20000	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B	Bangkok
<b>Water Testing</b>								
Ammonia Nitrogen *	mg/L	0.02	0.05	0.66	≤0.5	≤0.5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-NH3 (D)	Rayong
BOD (5 days at 20 Degree C) *	mg/L	-	2.0	<2.0	≤2	≤4	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Rayong
Cyanide as CN	mg/L	0.001	0.005	<0.005	≤0.005	≤0.005	In-house method : STM 02-003 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - CN (C, E)	Rayong

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*N. Banchongkit*

Narumon Banchongkit  
Supervisor

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## Analysis / Test Report

**Client :** Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140  
**P/O :** RJN(2)-004/066  
**Project Name :** Pluak Daeng  
**Project Location :**

**TESTING**  
**No.0042**  
**Lot ID: 23115905**  
Date Received : Oct 16, 2023  
Date Reported : Oct 25, 2023  
Report Number : 2795321-1

Page 3 of 12

<b>Sample Number</b>	23115905-1							
<b>Sampled Date</b>	Oct 16, 2023 10:20 AM							
<b>Sample Description</b>	Surface Water							
<b>Location</b>	ห้วยภูไทก่อนจุดระบายน้ำทิ้งที่ 1 ของโครงการ ระยะห่างประมาณ 500 เมตร (SW1)							
<b>Date Analysis Commenced</b>	Oct 16, 2023							
<b>Condition of Sample</b>	Contained in two glass vials, one BOD bottle, one BOD bottle and seven plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)							
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
<b>Water Testing</b>								
Dissolved Oxygen *	mg/L	-	0.1	5.5	≥4	≥2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-O (C)	Rayong
Flow rate *	m3/s	-	-	0.000	No Standard	No Standard	Flow meter	Rayong
Nitrate as N *	mg/L	0.015	0.05	0.81	≤5	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-NO3 (E)	Rayong
pH at 25 degree C		-	-	7.5	5.0-9.0	5.0-9.0	In-house method : STM 02-005 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Rayong
Phenol *	mg/L	0.0005	0.001	Not Detected	≤0.005	≤0.005	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5530 D	Rayong
Temperature *	Degree C	-	-	30.7	(c)	(c)	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Rayong

**Guideline :** (1) Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 3)  
(2) Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 4)  
(a) Not Change from natural condition  
(b) Non Objectionable  
(c) Change from Natural condition not more than 3 degree C

**Sampling By :** Paramet Sattayakun ทะเบียนเลขที่ ว-323-จ-9476

**Remark :**

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked \* is/are not included in scope of Accreditation ISO/IEC 17025.
- 
- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Approved by

*N. Banchongkit*

Narumon Banchongkit  
Supervisor

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## Analysis / Test Report

**Client :** Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140  
**P/O :** RJN(2)-004/066  
**Project Name :** Pluak Daeng  
**Project Location :**

**TESTING**  
**No.0042**  
**Lot ID: 23115905**  
Date Received : Oct 16, 2023  
Date Reported : Oct 25, 2023  
Report Number : 2795321-1

Page 4 of 12

<b>Sample Number</b>	23115905-2						
<b>Sampled Date</b>	Oct 16, 2023 10:05 AM						
<b>Sample Description</b>	Surface Water						
<b>Location</b>	ห้วยภูไทก่อนจตุรเขสน้ำทิ้งที่ 1 ของโครงการ (SW2)						
<b>Date Analysis Commenced</b>	Oct 16, 2023						
<b>Condition of Sample</b>	Contained in two glass vials, one BOD bottle, one BOD bottle and seven plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
<b>Metals Testing</b>								
<sup>[A]</sup> Aluminium	mg/L	0.003	0.005	5.35	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
<sup>[A]</sup> Arsenic	mg/L	0.0003	0.0005	0.01	≤0.01	≤0.01	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
<sup>[A]</sup> Cadmium	mg/L	0.0003	0.0005	Not Detected	≤0.005	≤0.005	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
<sup>[A]</sup> Copper	mg/L	0.0003	0.0005	0.007	≤0.10	≤0.10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
<sup>[A]</sup> Hexavalent Chromium	mg/L	0.003	0.01	Not Detected	≤0.05	≤0.05	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3500-Cr B	Bangkok
<sup>[A]</sup> Lead	mg/L	0.0003	0.0005	0.02	≤0.05	≤0.05	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
<sup>[A]</sup> Mercury	mg/L	0.0001	0.0005	Not Detected	≤0.002	≤0.002	In-house method : STM 05-007 based on United States Environmental Protection Agency, 2002, EPA Method 1631, Revision E	Bangkok
<sup>[A]</sup> Nickel	mg/L	0.0003	0.0005	0.010	≤0.10	≤0.10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok

Approved by

*N. Banchongkit*

Narumon Banchongkit  
Supervisor

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## Analysis / Test Report

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54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140  
**P/O :** RJN(2)-004/066  
**Project Name :** Pluak Daeng  
**Project Location :**

**TESTING**  
**No.0042**  
**Lot ID: 23115905**  
Date Received : Oct 16, 2023  
Date Reported : Oct 25, 2023  
Report Number : 2795321-1

Page 5 of 12

<b>Sample Number</b>	23115905-2							
<b>Sampled Date</b>	Oct 16, 2023 10:05 AM							
<b>Sample Description</b>	Surface Water							
<b>Location</b>	ห้วยภูไทก่อนจตุรเข้าน้ำทิ้งที่ 1 ของโครงการ (SW2)							
<b>Date Analysis Commenced</b>	Oct 16, 2023							
<b>Condition of Sample</b>	Contained in two glass vials, one BOD bottle, one BOD bottle and seven plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)							
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
<b>Metals Testing</b>								
<sup>[A]</sup> Silver	mg/L	0.0003	0.0005	Not Detected	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Trivalent Chromium *	mg/L	-	0.01	<0.01	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
<sup>[A]</sup> Zinc	mg/L	0.003	0.005	0.04	≤1	≤1	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
<b>Microbiological Testing</b>								
<sup>[A]</sup> Fecal Coliform	MPN/100mL	-	-	13000.0	≤4000	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B, E	Bangkok
<sup>[A]</sup> Total Coliform	MPN/100mL	-	-	33000.0	≤20000	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B	Bangkok
<b>Water Testing</b>								
Ammonia Nitrogen *	mg/L	0.02	0.05	0.67	≤0.5	≤0.5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-NH3 (D)	Rayong
BOD (5 days at 20 Degree C) *	mg/L	-	2.0	<2.0	≤2	≤4	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Rayong
Cyanide as CN	mg/L	0.001	0.005	<0.005	≤0.005	≤0.005	In-house method : STM 02-003 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - CN (C, E)	Rayong

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*N. Banchongkit*

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Supervisor

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## Analysis / Test Report

**Client :** Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140  
**P/O :** RJN(2)-004/066  
**Project Name :** Pluak Daeng  
**Project Location :**

**TESTING**  
**No.0042**  
**Lot ID: 23115905**  
Date Received : Oct 16, 2023  
Date Reported : Oct 25, 2023  
Report Number : 2795321-1

Page 6 of 12

<b>Sample Number</b>	23115905-2						
<b>Sampled Date</b>	Oct 16, 2023 10:05 AM						
<b>Sample Description</b>	Surface Water						
<b>Location</b>	ห้วยภูไทก่อนจตุรระบายน้ำทั้งที่ 1 ของโครงการ (SW2)						
<b>Date Analysis Commenced</b>	Oct 16, 2023						
<b>Condition of Sample</b>	Contained in two glass vials, one BOD bottle, one BOD bottle and seven plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
<b>Water Testing</b>								
Dissolved Oxygen *	mg/L	-	0.1	5.4	≥4	≥2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-O (C)	Rayong
Flow rate *	m3/s	-	-	0.000	No Standard	No Standard	Flow meter	Rayong
Nitrate as N *	mg/L	0.015	0.05	0.83	≤5	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-NO3 (E)	Rayong
pH at 25 degree C		-	-	7.6	5.0-9.0	5.0-9.0	In-house method : STM 02-005 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Rayong
Phenol *	mg/L	0.0005	0.001	Not Detected	≤0.005	≤0.005	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5530 D	Rayong
Temperature *	Degree C	-	-	30.4	(c)	(c)	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Rayong

**Guideline :** (1) Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 3)  
(2) Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 4)  
(a) Not Change from natural condition  
(b) Non Objectionable  
(c) Change from Natural condition not more than 3 degree C

**Sampling By :** Paramet Sattayakun ทะเบียนเลขที่ ๖-323-๖-9476

**Remark :**

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked \* is/are not included in scope of Accreditation ISO/IEC 17025.
- 
- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Approved by

*N. Banchongkit*

Narumon Banchongkit  
Supervisor

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## Analysis / Test Report

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**P/O :** RJN(2)-004/066  
**Project Name :** Pluak Daeng  
**Project Location :**

**TESTING**  
**No.0042**  
**Lot ID: 23115905**  
Date Received : Oct 16, 2023  
Date Reported : Oct 25, 2023  
Report Number : 2795321-1

Page 7 of 12

<b>Sample Number</b>	23115905-3						
<b>Sampled Date</b>	Oct 16, 2023 9:45 AM						
<b>Sample Description</b>	Surface Water						
<b>Location</b>	ห้วยภูไทจรดระบายน้ำทั้งที่ 2 ของโครงการ (SW3)						
<b>Date Analysis Commenced</b>	Oct 16, 2023						
<b>Condition of Sample</b>	Contained in two glass vials, one BOD bottle, one BOD bottle and seven plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
<b>Metals Testing</b>								
<sup>[A]</sup> Aluminium	mg/L	0.003	0.005	3.58	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
<sup>[A]</sup> Arsenic	mg/L	0.0003	0.0005	0.01	≤0.01	≤0.01	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
<sup>[A]</sup> Cadmium	mg/L	0.0003	0.0005	Not Detected	≤0.005	≤0.005	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
<sup>[A]</sup> Copper	mg/L	0.0003	0.0005	0.006	≤0.10	≤0.10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
<sup>[A]</sup> Hexavalent Chromium	mg/L	0.003	0.01	Not Detected	≤0.05	≤0.05	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3500-Cr B	Bangkok
<sup>[A]</sup> Lead	mg/L	0.0003	0.0005	0.01	≤0.05	≤0.05	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
<sup>[A]</sup> Mercury	mg/L	0.0001	0.0005	Not Detected	≤0.002	≤0.002	In-house method : STM 05-007 based on United States Environmental Protection Agency, 2002, EPA Method 1631, Revision E	Bangkok
<sup>[A]</sup> Nickel	mg/L	0.0003	0.0005	0.008	≤0.10	≤0.10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok

Approved by

*N. Banchongkit*

Narumon Banchongkit  
Supervisor

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54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140  
**P/O :** RJN(2)-004/066  
**Project Name :** Pluak Daeng  
**Project Location :**

**TESTING**  
**No.0042**  
**Lot ID: 23115905**  
Date Received : Oct 16, 2023  
Date Reported : Oct 25, 2023  
Report Number : 2795321-1

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<b>Sample Number</b>	23115905-3							
<b>Sampled Date</b>	Oct 16, 2023 9:45 AM							
<b>Sample Description</b>	Surface Water							
<b>Location</b>	ห้วยภูไทจรดระบายน้ำทั้งที่ 2 ของโครงการ (SW3)							
<b>Date Analysis Commenced</b>	Oct 16, 2023							
<b>Condition of Sample</b>	Contained in two glass vials, one BOD bottle, one BOD bottle and seven plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)							
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
<b>Metals Testing</b>								
<sup>[A]</sup> Silver	mg/L	0.0003	0.0005	Not Detected	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Trivalent Chromium *	mg/L	-	0.01	<0.01	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
<sup>[A]</sup> Zinc	mg/L	0.003	0.005	0.04	≤1	≤1	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
<b>Microbiological Testing</b>								
<sup>[A]</sup> Fecal Coliform	MPN/100mL	-	-	24000.0	≤4000	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B, E	Bangkok
<sup>[A]</sup> Total Coliform	MPN/100mL	-	-	79000.0	≤20000	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B	Bangkok
<b>Water Testing</b>								
Ammonia Nitrogen *	mg/L	0.02	0.05	0.54	≤0.5	≤0.5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-NH3 (D)	Rayong
BOD (5 days at 20 Degree C) *	mg/L	-	2.0	<2.0	≤2	≤4	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Rayong
Cyanide as CN	mg/L	0.001	0.005	<0.005	≤0.005	≤0.005	In-house method : STM 02-003 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - CN (C, E)	Rayong

Approved by

*N. Banchongkit*

Narumon Banchongkit  
Supervisor

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## Analysis / Test Report

**Client :** Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140  
**P/O :** RJN(2)-004/066  
**Project Name :** Pluak Daeng  
**Project Location :**

**TESTING**  
**No.0042**  
**Lot ID: 23115905**  
Date Received : Oct 16, 2023  
Date Reported : Oct 25, 2023  
Report Number : 2795321-1

Page 9 of 12

<b>Sample Number</b>	23115905-3							
<b>Sampled Date</b>	Oct 16, 2023 9:45 AM							
<b>Sample Description</b>	Surface Water							
<b>Location</b>	ห้วยภูไทระดมายน้ำทั้งที่ 2 ของโครงการ (SW3)							
<b>Date Analysis Commenced</b>	Oct 16, 2023							
<b>Condition of Sample</b>	Contained in two glass vials, one BOD bottle, one BOD bottle and seven plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)							
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
<b>Water Testing</b>								
Dissolved Oxygen *	mg/L	-	0.1	6.5	≥4	≥2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-O (C)	Rayong
Flow rate *	m3/s	-	-	0.000	No Standard	No Standard	Flow meter	Rayong
Nitrate as N *	mg/L	0.015	0.05	0.91	≤5	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-NO3 (E)	Rayong
pH at 25 degree C		-	-	7.6	5.0-9.0	5.0-9.0	In-house method : STM 02-005 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Rayong
Phenol *	mg/L	0.0005	0.001	Not Detected	≤0.005	≤0.005	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5530 D	Rayong
Temperature *	Degree C	-	-	29.3	(c)	(c)	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Rayong

**Guideline :** (1) Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 3)  
(2) Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 4)  
(a) Not Change from natural condition  
(b) Non Objectionable  
(c) Change from Natural condition not more than 3 degree C

**Sampling By :** Paramet Sattayakun ทะเบียนเลขที่ ๖-323-๖-9476

**Remark :**

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked \* is/are not included in scope of Accreditation ISO/IEC 17025.
- 
- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Approved by

*N. Banchongkit*

Narumon Banchongkit  
Supervisor

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## Analysis / Test Report

**Client** : Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140  
**P/O** : RJN(2)-004/066  
**Project Name** : Pluak Daeng  
**Project Location** :

**TESTING**  
**No.0042**  
**Lot ID: 23115905**  
Date Received : Oct 16, 2023  
Date Reported : Oct 25, 2023  
Report Number : 2795321-1

Page 10 of 12

<b>Sample Number</b>	23115905-4						
<b>Sampled Date</b>	Oct 16, 2023 9:20 AM						
<b>Sample Description</b>	Surface Water						
<b>Location</b>	ห้วยภูไทหลังจตุรเขษน้ำทิ้งที่ 2 ของโครงการระยะทางประมาณ 500 เมตร (SW4)						
<b>Date Analysis Commenced</b>	Oct 16, 2023						
<b>Condition of Sample</b>	Contained in two glass vials, one BOD bottle, one BOD bottle and seven plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
<b>Metals Testing</b>								
<sup>[A]</sup> Aluminium	mg/L	0.003	0.005	2.78	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
<sup>[A]</sup> Arsenic	mg/L	0.0003	0.0005	0.01	≤0.01	≤0.01	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
<sup>[A]</sup> Cadmium	mg/L	0.0003	0.0005	Not Detected	≤0.005	≤0.005	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
<sup>[A]</sup> Copper	mg/L	0.0003	0.0005	0.004	≤0.10	≤0.10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
<sup>[A]</sup> Hexavalent Chromium	mg/L	0.003	0.01	Not Detected	≤0.05	≤0.05	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3500-Cr B	Bangkok
<sup>[A]</sup> Lead	mg/L	0.0003	0.0005	0.009	≤0.05	≤0.05	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
<sup>[A]</sup> Mercury	mg/L	0.0001	0.0005	Not Detected	≤0.002	≤0.002	In-house method : STM 05-007 based on United States Environmental Protection Agency, 2002, EPA Method 1631, Revision E	Bangkok
<sup>[A]</sup> Nickel	mg/L	0.0003	0.0005	0.007	≤0.10	≤0.10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok

Approved by

*N. Banchongkit*

Narumon Banchongkit  
Supervisor

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**Client :** Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140  
**P/O :** RJN(2)-004/066  
**Project Name :** Pluak Daeng  
**Project Location :**

**TESTING**  
**No.0042**  
**Lot ID: 23115905**  
Date Received : Oct 16, 2023  
Date Reported : Oct 25, 2023  
Report Number : 2795321-1

Page 11 of 12

<b>Sample Number</b>	23115905-4							
<b>Sampled Date</b>	Oct 16, 2023 9:20 AM							
<b>Sample Description</b>	Surface Water							
<b>Location</b>	ห้วยภูไทหลังจตุรเขษน้ำทิ้งที่ 2 ของโครงการระยะทางประมาณ 500 เมตร (SW4)							
<b>Date Analysis Commenced</b>	Oct 16, 2023							
<b>Condition of Sample</b>	Contained in two glass vials, one BOD bottle, one BOD bottle and seven plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)							
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
<b>Metals Testing</b>								
<sup>[A]</sup> Silver	mg/L	0.0003	0.0005	Not Detected	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Trivalent Chromium *	mg/L	-	0.01	<0.01	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
<sup>[A]</sup> Zinc	mg/L	0.003	0.005	0.02	≤1	≤1	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
<b>Microbiological Testing</b>								
<sup>[A]</sup> Fecal Coliform	MPN/100mL	-	-	790.0	≤4000	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B, E	Bangkok
<sup>[A]</sup> Total Coliform	MPN/100mL	-	-	22000.0	≤20000	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B	Bangkok
<b>Water Testing</b>								
Ammonia Nitrogen *	mg/L	0.02	0.05	0.58	≤0.5	≤0.5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-NH3 (D)	Rayong
BOD (5 days at 20 Degree C) *	mg/L	-	2.0	<2.0	≤2	≤4	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Rayong
Cyanide as CN	mg/L	0.001	0.005	<0.005	≤0.005	≤0.005	In-house method : STM 02-003 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - CN (C, E)	Rayong

Approved by

*N. Banchongkit*

Narumon Banchongkit  
Supervisor

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54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140  
**P/O :** RJN(2)-004/066  
**Project Name :** Pluak Daeng  
**Project Location :**

**TESTING**  
**No.0042**  
**Lot ID: 23115905**  
Date Received : Oct 16, 2023  
Date Reported : Oct 25, 2023  
Report Number : 2795321-1

Page 12 of 12

<b>Sample Number</b>	23115905-4						
<b>Sampled Date</b>	Oct 16, 2023 9:20 AM						
<b>Sample Description</b>	Surface Water						
<b>Location</b>	ห้วยภูไทหลังจตุรเขษน้ำทิ้งที่ 2 ของโครงการระยะทางประมาณ 500 เมตร (SW4)						
<b>Date Analysis Commenced</b>	Oct 16, 2023						
<b>Condition of Sample</b>	Contained in two glass vials, one BOD bottle, one BOD bottle and seven plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
<b>Water Testing</b>								
Dissolved Oxygen *	mg/L	-	0.1	6.5	≥4	≥2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-O (C)	Rayong
Flow rate *	m3/s	-	-	0.000	No Standard	No Standard	Flow meter	Rayong
Nitrate as N *	mg/L	0.015	0.05	0.82	≤5	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-NO3 (E)	Rayong
pH at 25 degree C		-	-	7.6	5.0-9.0	5.0-9.0	In-house method : STM 02-005 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Rayong
Phenol *	mg/L	0.0005	0.001	Not Detected	≤0.005	≤0.005	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5530 D	Rayong
Temperature *	Degree C	-	-	29.3	(c)	(c)	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Rayong

**Guideline :** (1) Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 3)  
(2) Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 4)  
(a) Not Change from natural condition  
(b) Non Objectionable  
(c) Change from Natural condition not more than 3 degree C

**Sampling By :** Paramet Sattayakun ทะเบียนเลขที่ ว-323-จ-9476

**Remark :**

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked \* is/are not included in scope of Accreditation ISO/IEC 17025.
- 
- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Approved by

*N. Banchongkit*

Narumon Banchongkit  
Supervisor

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## Analysis / Test Report

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54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140  
**P/O :** RJN(2)-004/066  
**Project Name :** Pluak Daeng  
**Project Location :**

**TESTING**  
**No.0042**  
**Lot ID: 23136529**  
Date Received : Dec 11, 2023  
Date Reported : Dec 18, 2023  
Report Number : 2843243-1

Page 1 of 12

<b>Sample Number</b>	23136529-1
<b>Sampled Date</b>	Dec 11, 2023 1:50 PM
<b>Sample Description</b>	Surface Water
<b>Location</b>	ห้วยภูไทก่อนจุดระบายน้ำทั้งที่ 1 ของโครงการ ระยะห่างประมาณ 500 เมตร (SW1)
<b>Date Analysis Commenced</b>	Dec 11, 2023
<b>Condition of Sample</b>	Contained in two glass vials, one BOD bottle and seven plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
<b>Metals Testing</b>								
<sup>[A]</sup> Aluminium	mg/L	0.003	0.005	29.5	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
<sup>[A]</sup> Arsenic	mg/L	0.0003	0.0005	0.04	≤0.01	≤0.01	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
<sup>[A]</sup> Cadmium	mg/L	0.0003	0.0005	Not Detected	≤0.005	≤0.005	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
<sup>[A]</sup> Copper	mg/L	0.0003	0.0005	0.03	≤0.10	≤0.10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
<sup>[A]</sup> Hexavalent Chromium	mg/L	0.003	0.01	Not Detected	≤0.05	≤0.05	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3500-Cr B	Bangkok
<sup>[A]</sup> Lead	mg/L	0.0003	0.0005	0.13	≤0.05	≤0.05	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
<sup>[A]</sup> Mercury	mg/L	0.0001	0.0005	Not Detected	≤0.002	≤0.002	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3112	Bangkok
<sup>[A]</sup> Nickel	mg/L	0.0003	0.0005	0.03	≤0.10	≤0.10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok

Approved by

Dej Changchon  
Senior Manager

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. No part of this report 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

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54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140  
**P/O :** RJN(2)-004/066  
**Project Name :** Pluak Daeng  
**Project Location :**

**TESTING**  
**No.0042**  
**Lot ID: 23136529**  
Date Received : Dec 11, 2023  
Date Reported : Dec 18, 2023  
Report Number : 2843243-1

Page 2 of 12

<b>Sample Number</b>	23136529-1							
<b>Sampled Date</b>	Dec 11, 2023 1:50 PM							
<b>Sample Description</b>	Surface Water							
<b>Location</b>	ห้วยภูไทก่อนจุดระบายน้ำทั้งที่ 1 ของโครงการ ระยะห่างประมาณ 500 เมตร (SW1)							
<b>Date Analysis Commenced</b>	Dec 11, 2023							
<b>Condition of Sample</b>	Contained in two glass vials, one BOD bottle and seven plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)							

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
<b>Metals Testing</b>								
<sup>[A]</sup> Silver	mg/L	0.0003	0.0005	<0.0005	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Trivalent Chromium *	mg/L	-	0.01	0.05	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
<sup>[A]</sup> Zinc	mg/L	0.003	0.005	0.14	≤1	≤1	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
<b>Microbiological Testing</b>								
<sup>[A]</sup> Fecal Coliform	MPN/100mL	-	-	3300.0	≤4000	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B, E	Bangkok
<sup>[A]</sup> Total Coliform	MPN/100mL	-	-	13000.0	≤20000	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B	Bangkok
<b>Water Testing</b>								
Ammonia Nitrogen *	mg/L	0.02	0.05	0.82	≤0.5	≤0.5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-NH3 (D)	Rayong
BOD (5 days at 20 Degree C) *	mg/L	-	2.0	<2.0	≤2	≤4	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Rayong
Cyanide as CN *	mg/L	0.001	0.005	0.005	≤0.005	≤0.005	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-CN (C, E)	Rayong

Approved by

Dej Changchon  
Senior Manager

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## Analysis / Test Report

**Client :** Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140  
**P/O :** RJN(2)-004/066  
**Project Name :** Pluak Daeng  
**Project Location :**

**TESTING**  
**No.0042**  
**Lot ID: 23136529**  
Date Received : Dec 11, 2023  
Date Reported : Dec 18, 2023  
Report Number : 2843243-1

Page 3 of 12

<b>Sample Number</b>	23136529-1						
<b>Sampled Date</b>	Dec 11, 2023 1:50 PM						
<b>Sample Description</b>	Surface Water						
<b>Location</b>	ห้วยภูไทก่อนจุดระบายน้ำทิ้งที่ 1 ของโครงการ ระยะห่างประมาณ 500 เมตร (SW1)						
<b>Date Analysis Commenced</b>	Dec 11, 2023						
<b>Condition of Sample</b>	Contained in two glass vials, one BOD bottle and seven plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
<b>Water Testing</b>								
Dissolved Oxygen *	mg/L	-	0.1	4.7	≥4	≥2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-O (C)	Rayong
Flow rate *	m3/s	-	-	0.000	No Standard	No Standard	Flow meter	Rayong
Nitrate as N *	mg/L	0.015	0.05	2.79	≤5	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-NO3 (E)	Rayong
pH at 25 degree C		-	-	7.6	5.0-9.0	5.0-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Rayong
Phenol *	mg/L	0.0005	0.001	Not Detected	≤0.005	≤0.005	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5530 D	Rayong
Temperature *	Degree C	-	-	31.9	(c)	(c)	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Rayong

**Guideline :** (1) Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 3)  
(2) Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 4)  
(a) Not Change from natural condition  
(b) Non Objectionable  
(c) Change from Natural condition not more than 3 degree C

**Sampling By :** Paramet Sattayakun ทะเบียนเลขที่ ว-323-จ-9476

**Remark :**

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked \* is/are not included in scope of Accreditation ISO/IEC 17025.
- 
- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Approved by

*D. Changchon*

Dej Changchon  
Senior Manager

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## Analysis / Test Report

**Client :** Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140  
**P/O :** RJN(2)-004/066  
**Project Name :** Pluak Daeng  
**Project Location :**

**TESTING**  
**No.0042**  
**Lot ID: 23136529**  
Date Received : Dec 11, 2023  
Date Reported : Dec 18, 2023  
Report Number : 2843243-1

Page 4 of 12

<b>Sample Number</b>	23136529-2
<b>Sampled Date</b>	Dec 11, 2023 1:25 PM
<b>Sample Description</b>	Surface Water
<b>Location</b>	ห้วยภูไทก่อนจตุรเขษน้ำทิ้งที่ 1 ของโครงการ (SW2)
<b>Date Analysis Commenced</b>	Dec 11, 2023
<b>Condition of Sample</b>	Contained in two glass vials, one BOD bottle and seven plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
<b>Metals Testing</b>								
<sup>[A]</sup> Aluminium	mg/L	0.003	0.005	22.2	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
<sup>[A]</sup> Arsenic	mg/L	0.0003	0.0005	0.02	≤0.01	≤0.01	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
<sup>[A]</sup> Cadmium	mg/L	0.0003	0.0005	Not Detected	≤0.005	≤0.005	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
<sup>[A]</sup> Copper	mg/L	0.0003	0.0005	0.01	≤0.10	≤0.10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
<sup>[A]</sup> Hexavalent Chromium	mg/L	0.003	0.01	Not Detected	≤0.05	≤0.05	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3500-Cr B	Bangkok
<sup>[A]</sup> Lead	mg/L	0.0003	0.0005	0.07	≤0.05	≤0.05	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
<sup>[A]</sup> Mercury	mg/L	0.0001	0.0005	Not Detected	≤0.002	≤0.002	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3112	Bangkok
<sup>[A]</sup> Nickel	mg/L	0.0003	0.0005	0.03	≤0.10	≤0.10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok

Approved by

Dej Changchon  
Senior Manager

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54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140  
**P/O :** RJN(2)-004/066  
**Project Name :** Pluak Daeng  
**Project Location :**

**TESTING**  
**No.0042**  
**Lot ID: 23136529**  
Date Received : Dec 11, 2023  
Date Reported : Dec 18, 2023  
Report Number : 2843243-1

Page 5 of 12

<b>Sample Number</b>	23136529-2							
<b>Sampled Date</b>	Dec 11, 2023 1:25 PM							
<b>Sample Description</b>	Surface Water							
<b>Location</b>	ห้วยภูไทก่อนจตุรเข้าน้ำทิ้งที่ 1 ของโครงการ (SW2)							
<b>Date Analysis Commenced</b>	Dec 11, 2023							
<b>Condition of Sample</b>	Contained in two glass vials, one BOD bottle and seven plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)							

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
<b>Metals Testing</b>								
<sup>[A]</sup> Silver	mg/L	0.0003	0.0005	Not Detected	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Trivalent Chromium *	mg/L	-	0.01	0.03	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
<sup>[A]</sup> Zinc	mg/L	0.003	0.005	0.09	≤1	≤1	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
<b>Microbiological Testing</b>								
<sup>[A]</sup> Fecal Coliform	MPN/100mL	-	-	4900.0	≤4000	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B, E	Bangkok
<sup>[A]</sup> Total Coliform	MPN/100mL	-	-	79000.0	≤20000	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B	Bangkok
<b>Water Testing</b>								
Ammonia Nitrogen *	mg/L	0.02	0.05	0.56	≤0.5	≤0.5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-NH3 (D)	Rayong
BOD (5 days at 20 Degree C) *	mg/L	-	2.0	<2.0	≤2	≤4	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Rayong
Cyanide as CN *	mg/L	0.001	0.005	0.005	≤0.005	≤0.005	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-CN (C, E)	Rayong

Approved by

*D. Changchon*

Dej Changchon  
Senior Manager

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**No.0042**  
**Lot ID: 23136529**  
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Report Number : 2843243-1

Page 6 of 12

<b>Sample Number</b>	23136529-2						
<b>Sampled Date</b>	Dec 11, 2023 1:25 PM						
<b>Sample Description</b>	Surface Water						
<b>Location</b>	ห้วยภูไทก่อนจระเขยน้ำทิ้งที่ 1 ของโครงการ (SW2)						
<b>Date Analysis Commenced</b>	Dec 11, 2023						
<b>Condition of Sample</b>	Contained in two glass vials, one BOD bottle and seven plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
<b>Water Testing</b>								
Dissolved Oxygen *	mg/L	-	0.1	4.5	≥4	≥2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-O (C)	Rayong
Flow rate *	m3/s	-	-	0.000	No Standard	No Standard	Flow meter	Rayong
Nitrate as N *	mg/L	0.015	0.05	2.07	≤5	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-NO3 (E)	Rayong
pH at 25 degree C		-	-	8.1	5.0-9.0	5.0-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Rayong
Phenol *	mg/L	0.0005	0.001	Not Detected	≤0.005	≤0.005	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5530 D	Rayong
Temperature *	Degree C	-	-	31.6	(c)	(c)	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Rayong

**Guideline :** (1) Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 3)  
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(a) Not Change from natural condition  
(b) Non Objectionable  
(c) Change from Natural condition not more than 3 degree C

**Sampling By :** Paramet Sattayakun ทะเบียนเลขที่ ว-323-จ-9476

**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

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## Analysis / Test Report

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54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140  
**P/O** : RJN(2)-004/066  
**Project Name** : Pluak Daeng  
**Project Location** :

**TESTING**  
**No.0042**  
**Lot ID: 23136529**  
Date Received : Dec 11, 2023  
Date Reported : Dec 18, 2023  
Report Number : 2843243-1

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<b>Sample Number</b>	23136529-3							
<b>Sampled Date</b>	Dec 11, 2023 12:55 PM							
<b>Sample Description</b>	Surface Water							
<b>Location</b>	ห้วยภูไทจรดระบายน้ำทั้งที่ 2 ของโครงการ (SW3)							
<b>Date Analysis Commenced</b>	Dec 11, 2023							
<b>Condition of Sample</b>	Contained in two glass vials, one BOD bottle and seven plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)							

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
<b>Metals Testing</b>								
<sup>[A]</sup> Aluminium	mg/L	0.003	0.005	2.62	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
<sup>[A]</sup> Arsenic	mg/L	0.0003	0.0005	0.008	≤0.01	≤0.01	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
<sup>[A]</sup> Cadmium	mg/L	0.0003	0.0005	Not Detected	≤0.005	≤0.005	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
<sup>[A]</sup> Copper	mg/L	0.0003	0.0005	0.004	≤0.10	≤0.10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
<sup>[A]</sup> Hexavalent Chromium	mg/L	0.003	0.01	Not Detected	≤0.05	≤0.05	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3500-Cr B	Bangkok
<sup>[A]</sup> Lead	mg/L	0.0003	0.0005	0.009	≤0.05	≤0.05	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
<sup>[A]</sup> Mercury	mg/L	0.0001	0.0005	Not Detected	≤0.002	≤0.002	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3112	Bangkok
<sup>[A]</sup> Nickel	mg/L	0.0003	0.0005	0.01	≤0.10	≤0.10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok

Approved by

*D. Changchon*

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Senior Manager

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## Analysis / Test Report

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**P/O :** RJN(2)-004/066  
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<b>Sample Number</b>	23136529-3						
<b>Sampled Date</b>	Dec 11, 2023 12:55 PM						
<b>Sample Description</b>	Surface Water						
<b>Location</b>	ห้วยภูไทจรดระบายน้ำทั้งที่ 2 ของโครงการ (SW3)						
<b>Date Analysis Commenced</b>	Dec 11, 2023						
<b>Condition of Sample</b>	Contained in two glass vials, one BOD bottle and seven plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
<b>Metals Testing</b>								
<sup>[A]</sup> Silver	mg/L	0.0003	0.0005	Not Detected	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Trivalent Chromium *	mg/L	-	0.01	<0.01	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
<sup>[A]</sup> Zinc	mg/L	0.003	0.005	0.04	≤1	≤1	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
<b>Microbiological Testing</b>								
<sup>[A]</sup> Fecal Coliform	MPN/100mL	-	-	11000.0	≤4000	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B, E	Bangkok
<sup>[A]</sup> Total Coliform	MPN/100mL	-	-	22000.0	≤20000	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B	Bangkok
<b>Water Testing</b>								
Ammonia Nitrogen *	mg/L	0.02	0.05	0.69	≤0.5	≤0.5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-NH3 (D)	Rayong
BOD (5 days at 20 Degree C) *	mg/L	-	2.0	<2.0	≤2	≤4	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Rayong
Cyanide as CN *	mg/L	0.001	0.005	0.005	≤0.005	≤0.005	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-CN (C, E)	Rayong

Approved by

*D. Changchon*

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**No.0042**  
**Lot ID: 23136529**  
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Report Number : 2843243-1

Page 9 of 12

<b>Sample Number</b>	23136529-3						
<b>Sampled Date</b>	Dec 11, 2023 12:55 PM						
<b>Sample Description</b>	Surface Water						
<b>Location</b>	ห้วยภูไทจรดระบายน้ำทั้งที่ 2 ของโครงการ (SW3)						
<b>Date Analysis Commenced</b>	Dec 11, 2023						
<b>Condition of Sample</b>	Contained in two glass vials, one BOD bottle and seven plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
<b>Water Testing</b>								
Dissolved Oxygen *	mg/L	-	0.1	7.1	≥4	≥2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-O (C)	Rayong
Flow rate *	m3/s	-	-	0.000	No Standard	No Standard	Flow meter	Rayong
Nitrate as N *	mg/L	0.015	0.05	3.18	≤5	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-NO3 (E)	Rayong
pH at 25 degree C		-	-	7.9	5.0-9.0	5.0-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Rayong
Phenol *	mg/L	0.0005	0.001	Not Detected	≤0.005	≤0.005	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5530 D	Rayong
Temperature *	Degree C	-	-	30.2	(c)	(c)	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Rayong

**Guideline :** (1) Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 3)  
(2) Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 4)  
(a) Not Change from natural condition  
(b) Non Objectionable  
(c) Change from Natural condition not more than 3 degree C

**Sampling By :** Paramet Sattayakun ทะเบียนเลขที่ ว-323-จ-9476

**Remark :**

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked \* is/are not included in scope of Accreditation ISO/IEC 17025.
- 
- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Approved by

*D. Changchon*

Dej Changchon  
Senior Manager

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## Analysis / Test Report

**Client** : Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140  
**P/O** : RJN(2)-004/066  
**Project Name** : Pluak Daeng  
**Project Location** :

**TESTING**  
**No.0042**  
**Lot ID: 23136529**  
Date Received : Dec 11, 2023  
Date Reported : Dec 18, 2023  
Report Number : 2843243-1

Page 10 of 12

<b>Sample Number</b>	23136529-4
<b>Sampled Date</b>	Dec 11, 2023 12:35 PM
<b>Sample Description</b>	Surface Water
<b>Location</b>	ห้วยภูไทหลังจตุรเขษน้ำทิ้งที่ 2 ของโครงการระยะห่างประมาณ 500 เมตร (SW4)
<b>Date Analysis Commenced</b>	Dec 11, 2023
<b>Condition of Sample</b>	Contained in two glass vials, one BOD bottle and seven plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
<b>Metals Testing</b>								
<sup>[A]</sup> Aluminium	mg/L	0.003	0.005	2.81	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
<sup>[A]</sup> Arsenic	mg/L	0.0003	0.0005	0.008	≤0.01	≤0.01	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
<sup>[A]</sup> Cadmium	mg/L	0.0003	0.0005	Not Detected	≤0.005	≤0.005	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
<sup>[A]</sup> Copper	mg/L	0.0003	0.0005	0.003	≤0.10	≤0.10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
<sup>[A]</sup> Hexavalent Chromium	mg/L	0.003	0.01	Not Detected	≤0.05	≤0.05	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3500-Cr B	Bangkok
<sup>[A]</sup> Lead	mg/L	0.0003	0.0005	0.007	≤0.05	≤0.05	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
<sup>[A]</sup> Mercury	mg/L	0.0001	0.0005	Not Detected	≤0.002	≤0.002	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3112	Bangkok
<sup>[A]</sup> Nickel	mg/L	0.0003	0.0005	0.02	≤0.10	≤0.10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok

Approved by

Dej Changchon  
Senior Manager

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## Analysis / Test Report

**Client :** Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140  
**P/O :** RJN(2)-004/066  
**Project Name :** Pluak Daeng  
**Project Location :**

**TESTING**  
**No.0042**  
**Lot ID: 23136529**  
Date Received : Dec 11, 2023  
Date Reported : Dec 18, 2023  
Report Number : 2843243-1

Page 11 of 12

<b>Sample Number</b>	23136529-4							
<b>Sampled Date</b>	Dec 11, 2023 12:35 PM							
<b>Sample Description</b>	Surface Water							
<b>Location</b>	ห้วยภูไทหลังจตุรเขษน้ำทิ้งที่ 2 ของโครงการระยะทางประมาณ 500 เมตร (SW4)							
<b>Date Analysis Commenced</b>	Dec 11, 2023							
<b>Condition of Sample</b>	Contained in two glass vials, one BOD bottle and seven plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)							

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
<b>Metals Testing</b>								
<sup>[A]</sup> Silver	mg/L	0.0003	0.0005	Not Detected	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Trivalent Chromium *	mg/L	-	0.01	<0.01	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
<sup>[A]</sup> Zinc	mg/L	0.003	0.005	0.05	≤1	≤1	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
<b>Microbiological Testing</b>								
<sup>[A]</sup> Fecal Coliform	MPN/100mL	-	-	7000.0	≤4000	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B, E	Bangkok
<sup>[A]</sup> Total Coliform	MPN/100mL	-	-	33000.0	≤20000	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B	Bangkok
<b>Water Testing</b>								
Ammonia Nitrogen *	mg/L	0.02	0.05	0.60	≤0.5	≤0.5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-NH3 (D)	Rayong
BOD (5 days at 20 Degree C) *	mg/L	-	2.0	<2.0	≤2	≤4	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Rayong
Cyanide as CN *	mg/L	0.001	0.005	0.005	≤0.005	≤0.005	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-CN (C, E)	Rayong

Approved by

*D. Changchon*

Dej Changchon  
Senior Manager

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## Analysis / Test Report

**Client :** Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140

**P/O :** RJN(2)-004/066

**Project Name :** Pluak Daeng

**Project Location :**

**TESTING**

**No.0042**

**Lot ID: 23136529**

Date Received : Dec 11, 2023

Date Reported : Dec 18, 2023

Report Number : 2843243-1

Page 12 of 12

<b>Sample Number</b>	23136529-4						
<b>Sampled Date</b>	Dec 11, 2023 12:35 PM						
<b>Sample Description</b>	Surface Water						
<b>Location</b>	ห้วยภูไทหลังจตุรเขษน้ำทิ้งที่ 2 ของโครงการระยะทางประมาณ 500 เมตร (SW4)						
<b>Date Analysis Commenced</b>	Dec 11, 2023						
<b>Condition of Sample</b>	Contained in two glass vials, one BOD bottle and seven plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
<b>Water Testing</b>								
Dissolved Oxygen *	mg/L	-	0.1	5.7	≥4	≥2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-O (C)	Rayong
Flow rate *	m3/s	-	-	0.000	No Standard	No Standard	Flow meter	Rayong
Nitrate as N *	mg/L	0.015	0.05	4.21	≤5	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-NO3 (E)	Rayong
pH at 25 degree C		-	-	7.9	5.0-9.0	5.0-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Rayong
Phenol *	mg/L	0.0005	0.001	Not Detected	≤0.005	≤0.005	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5530 D	Rayong
Temperature *	Degree C	-	-	30.2	(c)	(c)	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Rayong

**Guideline :** (1) Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 3)  
(2) Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 4)  
(a) Not Change from natural condition  
(b) Non Objectionable  
(c) Change from Natural condition not more than 3 degree C

**Sampling By :** Paramet Sattayakun ทะเบียนเลขที่ ว-323-จ-9476

**Remark :**

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked \* is/are not included in scope of Accreditation ISO/IEC 17025.
- 
- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

**Approved by**

*D. Changchon*

Dej Changchon  
Senior Manager

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# ภาคผนวก ค-05

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คุณภาพน้ำใต้ดิน



Accreditation No. 1031/47

## Analysis / Test Report

**Client** : Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140

**P/O** : RJN(2)-004/066

**Project Name** : Pluak Daeng

**Project Location** :

**Lot ID: 23128786**

Date Received : Nov 23, 2023

Date Reported : Dec 04, 2023

Report Number : 2825321-1

Page 1 of 16

<b>Sample Number</b>	23128786-1					
<b>Sampled Date</b>	Nov 23, 2023 3:23 PM					
<b>Sample Description</b>	Undeground Water					
<b>Location</b>	พื้นที่สีเขียวด้านทิศเหนือ (GW1)					
<b>Date Analysis Commenced</b>	Nov 23, 2023					
<b>Condition of Sample</b>	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
<b>Metals Testing</b>							
Aluminium	mg/L	0.003	0.005	0.16	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Arsenic	mg/L	0.0003	0.0005	0.0006	≤0.01	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Barium	mg/L	0.0003	0.0005	0.11	No Standard	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	≤0.003	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	Not Detected	≤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	≤0.05	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3500-Cr B	Bangkok
Iron	mg/L	0.003	0.005	0.12	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Lead	mg/L	0.0003	0.0005	Not Detected	≤0.01	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok

Approved by

Suwannee Chumkeaw  
Section Head

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## Analysis / Test Report

**Client** : Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140

**P/O** : RJN(2)-004/066

**Project Name** : Pluak Daeng

**Project Location** :

**Lot ID: 23128786**

Date Received : Nov 23, 2023

Date Reported : Dec 04, 2023

Report Number : 2825321-1

Page 2 of 16

<b>Sample Number</b>	23128786-1					
<b>Sampled Date</b>	Nov 23, 2023 3:23 PM					
<b>Sample Description</b>	Undeground Water					
<b>Location</b>	พื้นที่สีเขียวด้านทิศเหนือ (GW1)					
<b>Date Analysis Commenced</b>	Nov 23, 2023					
<b>Condition of Sample</b>	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
<b>Metals Testing</b>							
Manganese	mg/L	0.0003	0.0005	0.02	≤0.5	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	≤0.001	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	0.001	≤0.02	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Selenium	mg/L	0.0003	0.0005	Not Detected	≤0.01	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Silver	mg/L	0.0003	0.0005	Not Detected	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Trivalent Chromium *	mg/L	-	0.01	<0.01	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Zinc	mg/L	0.003	0.005	Not Detected	≤5.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok

**Microbiological Testing**

Approved by

Suwannee Chuamkeaw  
Section Head

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Accreditation No. 1031/47

## Analysis / Test Report

**Client** : Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140

**P/O** : RJN(2)-004/066

**Project Name** : Pluak Daeng

**Project Location** :

**Lot ID: 23128786**

Date Received : Nov 23, 2023

Date Reported : Dec 04, 2023

Report Number : 2825321-1

Page 3 of 16

<b>Sample Number</b>	23128786-1						
<b>Sampled Date</b>	Nov 23, 2023 3:23 PM						
<b>Sample Description</b>	Undeground Water						
<b>Location</b>	พื้นที่สีเขียวด้านทิศเหนือ (GW1)						
<b>Date Analysis Commenced</b>	Nov 23, 2023						
<b>Condition of Sample</b>	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
<b>Microbiological Testing</b>							
<i>Escherichia coli</i>	MPN/100mL	-	-	<1.8	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B, F	Bangkok
Standard Plate Count	CFU/mL	-	-	47	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9215 B	Bangkok
Total Coliform	MPN/100mL	-	-	<1.8	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B	Bangkok
<b>Water Testing</b>							
Chloride as Cl *	mg/L	0.5	1	8	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Cl (B)	Rayong
Color *	Color unit	-	5	<5	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2120 B	Rayong
Fluoride *	mg/L	-	0.2	0.2	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-F (C)	Rayong
Nitrate as N *	mg/L	0.015	0.05	4.44	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-NO3 (E)	Rayong
Permanent Hardness as CaCO <sub>3</sub> *	mg/L	-	1	<1	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2320 B	Bangkok
pH at 25 degree C *		-	-	6.5	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Rayong

Approved by

Suwannee Chuamkeaw  
Section Head

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## Analysis / Test Report

**Client** : Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140

**P/O** : RJN(2)-004/066

**Project Name** : Pluak Daeng

**Project Location** :

**Lot ID: 23128786**

Date Received : Nov 23, 2023

Date Reported : Dec 04, 2023

Report Number : 2825321-1

Page 4 of 16

<b>Sample Number</b>	23128786-1						
<b>Sampled Date</b>	Nov 23, 2023 3:23 PM						
<b>Sample Description</b>	Undeground Water						
<b>Location</b>	พื้นที่สีเขียวด้านทิศเหนือ (GW1)						
<b>Date Analysis Commenced</b>	Nov 23, 2023						
<b>Condition of Sample</b>	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
<b>Water Testing</b>							
Sulfate *	mg/L	0.6	2	2.3	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-SO <sub>4</sub> (E)	Rayong
Total Alkalinity as CaCO <sub>3</sub> *	mg/L	-	1	50	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2320 B	Bangkok
Total Dissolved Solids Dried at 180 degree C *	mg/L	-	5	162	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Rayong
Total Hardness as CaCO <sub>3</sub> *	mg/L	-	1	47	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2340 C	Bangkok
Turbidity *	NTU	-	0.1	3.9	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2130 B	Rayong

**Guideline** : Notification of the National Environmental Board, No. 20, B.E.2543

**Sampling By** : Narunat thammasaro

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.

Approved by

Suwannee Chumkeaw  
Section Head

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Accreditation No. 1031/47

## Analysis / Test Report

**Client** : Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140

**P/O** : RJN(2)-004/066

**Project Name** : Pluak Daeng

**Project Location** :

**Lot ID: 23128786**

Date Received : Nov 23, 2023

Date Reported : Dec 04, 2023

Report Number : 2825321-1

Page 5 of 16

<b>Sample Number</b>	23128786-2
<b>Sampled Date</b>	Nov 23, 2023 10:47 AM
<b>Sample Description</b>	Undeground Water
<b>Location</b>	พื้นที่สีเขียวด้านทิศใต้ (GW2)
<b>Date Analysis Commenced</b>	Nov 23, 2023
<b>Condition of Sample</b>	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
<b>Metals Testing</b>							
Aluminium	mg/L	0.003	0.005	0.03	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Arsenic	mg/L	0.0003	0.0005	0.0008	≤0.01	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Barium	mg/L	0.0003	0.0005	0.11	No Standard	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	≤0.003	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	<0.0005	≤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	≤0.05	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3500-Cr B	Bangkok
Iron	mg/L	0.003	0.005	0.37	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Lead	mg/L	0.0003	0.0005	<0.0005	≤0.01	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok

Approved by

Suwannee Chumkeaw  
Section Head

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## Analysis / Test Report

**Client** : Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140

**P/O** : RJN(2)-004/066

**Project Name** : Pluak Daeng

**Project Location** :

**Lot ID: 23128786**

Date Received : Nov 23, 2023

Date Reported : Dec 04, 2023

Report Number : 2825321-1

Page 6 of 16

<b>Sample Number</b>	23128786-2
<b>Sampled Date</b>	Nov 23, 2023 10:47 AM
<b>Sample Description</b>	Undeground Water
<b>Location</b>	พื้นที่สีเขียวด้านทิศใต้ (GW2)
<b>Date Analysis Commenced</b>	Nov 23, 2023
<b>Condition of Sample</b>	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
<b>Metals Testing</b>							
Manganese	mg/L	0.0003	0.0005	0.59	≤0.5	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	≤0.001	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	0.003	≤0.02	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Selenium	mg/L	0.0003	0.0005	<0.0005	≤0.01	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Silver	mg/L	0.0003	0.0005	Not Detected	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Trivalent Chromium *	mg/L	-	0.01	<0.01	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Zinc	mg/L	0.003	0.005	<0.005	≤5.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok

**Microbiological Testing**

Approved by

Suwannee Chuamkeaw  
Section Head

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## Analysis / Test Report

**Client** : Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140

**P/O** : RJN(2)-004/066

**Project Name** : Pluak Daeng

**Project Location** :

**Lot ID: 23128786**

Date Received : Nov 23, 2023

Date Reported : Dec 04, 2023

Report Number : 2825321-1

Page 7 of 16

<b>Sample Number</b>	23128786-2						
<b>Sampled Date</b>	Nov 23, 2023 10:47 AM						
<b>Sample Description</b>	Undeground Water						
<b>Location</b>	พื้นที่สีเขียวด้านทิศใต้ (GW2)						
<b>Date Analysis Commenced</b>	Nov 23, 2023						
<b>Condition of Sample</b>	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
<b>Microbiological Testing</b>							
<i>Escherichia coli</i>	MPN/100mL	-	-	<1.8	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B, F	Bangkok
Standard Plate Count	CFU/mL	-	-	160	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9215 B	Bangkok
Total Coliform	MPN/100mL	-	-	23.0	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B	Bangkok
<b>Water Testing</b>							
Chloride as Cl *	mg/L	0.5	1	122	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Cl (B)	Rayong
Color *	Color unit	-	5	<5	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2120 B	Rayong
Fluoride *	mg/L	-	0.2	<0.2	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-F (C)	Rayong
Nitrate as N *	mg/L	0.015	0.05	4.04	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-NO3 (E)	Rayong
Permanent Hardness as CaCO <sub>3</sub> *	mg/L	-	1	144	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2320 B	Bangkok
pH at 25 degree C *		-	-	6.1	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Rayong

Approved by

Suwannee Chuamkeaw  
Section Head

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## Analysis / Test Report

**Client :** Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140

**P/O :** RJN(2)-004/066

**Project Name :** Pluak Daeng

**Project Location :**

**Lot ID: 23128786**

Date Received : Nov 23, 2023

Date Reported : Dec 04, 2023

Report Number : 2825321-1

Page 8 of 16

<b>Sample Number</b>	23128786-2						
<b>Sampled Date</b>	Nov 23, 2023 10:47 AM						
<b>Sample Description</b>	Undeground Water						
<b>Location</b>	พื้นที่สีเขียวด้านทิศใต้ (GW2)						
<b>Date Analysis Commenced</b>	Nov 23, 2023						
<b>Condition of Sample</b>	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
<b>Water Testing</b>							
Sulfate *	mg/L	0.6	2	223	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-SO <sub>4</sub> (E)	Rayong
Total Alkalinity as CaCO <sub>3</sub> *	mg/L	-	1	28	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2320 B	Bangkok
Total Dissolved Solids Dried at 180 degree C *	mg/L	-	5	588	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Rayong
Total Hardness as CaCO <sub>3</sub> *	mg/L	-	1	172	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2340 C	Bangkok
Turbidity *	NTU	-	0.1	2.8	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2130 B	Rayong

**Guideline :** Notification of the National Environmental Board, No. 20, B.E.2543

**Sampling By :** Narunat thammasaro

**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

Suwannee Chumkeaw  
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## Analysis / Test Report

**Client** : Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140

**P/O** : RJN(2)-004/066

**Project Name** : Pluak Daeng

**Project Location** :

**Lot ID: 23128786**

Date Received : Nov 23, 2023

Date Reported : Dec 04, 2023

Report Number : 2825321-1

Page 9 of 16

<b>Sample Number</b>	23128786-3						
<b>Sampled Date</b>	Nov 23, 2023 2:27 PM						
<b>Sample Description</b>	Undeground Water						
<b>Location</b>	พื้นที่สีเขียวด้านทิศตะวันออก (GW3)						
<b>Date Analysis Commenced</b>	Nov 23, 2023						
<b>Condition of Sample</b>	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
<b>Metals Testing</b>							
Aluminium	mg/L	0.003	0.005	3.55	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Arsenic	mg/L	0.0003	0.0005	0.002	≤0.01	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Barium	mg/L	0.0003	0.0005	0.03	No Standard	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	≤0.003	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	≤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	≤0.05	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3500-Cr B	Bangkok
Iron	mg/L	0.003	0.005	6.24	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Lead	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

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Suwannee Chuamkeaw  
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## Analysis / Test Report

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54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140

**P/O** : RJN(2)-004/066

**Project Name** : Pluak Daeng

**Project Location** :

**Lot ID: 23128786**

Date Received : Nov 23, 2023

Date Reported : Dec 04, 2023

Report Number : 2825321-1

Page 10 of 16

<b>Sample Number</b>	23128786-3					
<b>Sampled Date</b>	Nov 23, 2023 2:27 PM					
<b>Sample Description</b>	Undeground Water					
<b>Location</b>	พื้นที่สีเขียวด้านทิศตะวันออก (GW3)					
<b>Date Analysis Commenced</b>	Nov 23, 2023					
<b>Condition of Sample</b>	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
<b>Metals Testing</b>							
Manganese	mg/L	0.0003	0.0005	0.17	≤0.5	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	≤0.001	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	≤0.02	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Selenium	mg/L	0.0003	0.0005	<0.0005	≤0.01	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Silver	mg/L	0.0003	0.0005	Not Detected	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Trivalent Chromium *	mg/L	-	0.01	0.02	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Zinc	mg/L	0.003	0.005	0.010	≤5.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok

**Microbiological Testing**

Approved by

Suwannee Chuamkeaw  
Section Head

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## Analysis / Test Report

**Client** : Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140

**P/O** : RJN(2)-004/066

**Project Name** : Pluak Daeng

**Project Location** :

**Lot ID: 23128786**

Date Received : Nov 23, 2023

Date Reported : Dec 04, 2023

Report Number : 2825321-1

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<b>Sample Number</b>	23128786-3						
<b>Sampled Date</b>	Nov 23, 2023 2:27 PM						
<b>Sample Description</b>	Undeground Water						
<b>Location</b>	พื้นที่สีเขียวด้านทิศตะวันออก (GW3)						
<b>Date Analysis Commenced</b>	Nov 23, 2023						
<b>Condition of Sample</b>	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
<b>Microbiological Testing</b>							
<i>Escherichia coli</i>	MPN/100mL	-	-	<1.8	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B, F	Bangkok
Standard Plate Count	CFU/mL	-	-	560	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9215 B	Bangkok
Total Coliform	MPN/100mL	-	-	17.0	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B	Bangkok
<b>Water Testing</b>							
Chloride as Cl *	mg/L	0.5	1	120	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Cl (B)	Rayong
Color *	Color unit	-	5	<5	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2120 B	Rayong
Fluoride *	mg/L	-	0.2	0.3	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-F (C)	Rayong
Nitrate as N *	mg/L	0.015	0.05	0.36	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-NO3 (E)	Rayong
Permanent Hardness as CaCO <sub>3</sub> *	mg/L	-	1	81	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2320 B	Bangkok
pH at 25 degree C *		-	-	6.2	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Rayong

Approved by

Suwannee Chuamkeaw  
Section Head

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**Client :** Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140

**P/O :** RJN(2)-004/066

**Project Name :** Pluak Daeng

**Project Location :**

**Lot ID: 23128786**

Date Received : Nov 23, 2023

Date Reported : Dec 04, 2023

Report Number : 2825321-1

Page 12 of 16

<b>Sample Number</b>	23128786-3						
<b>Sampled Date</b>	Nov 23, 2023 2:27 PM						
<b>Sample Description</b>	Undeground Water						
<b>Location</b>	พื้นที่สีเขียวด้านทิศตะวันออก (GW3)						
<b>Date Analysis Commenced</b>	Nov 23, 2023						
<b>Condition of Sample</b>	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
<b>Water Testing</b>							
Sulfate *	mg/L	0.6	2	5.5	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-SO <sub>4</sub> (E)	Rayong
Total Alkalinity as CaCO <sub>3</sub> *	mg/L	-	1	76	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2320 B	Bangkok
Total Dissolved Solids Dried at 180 degree C *	mg/L	-	5	366	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Rayong
Total Hardness as CaCO <sub>3</sub> *	mg/L	-	1	156	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2340 C	Bangkok
Turbidity *	NTU	-	0.1	100	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2130 B	Rayong

**Guideline :** Notification of the National Environmental Board, No. 20, B.E.2543

**Sampling By :** Narunat thammasaro

**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

Suwannee Chumkeaw  
Section Head

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Accreditation No. 1031/47

## Analysis / Test Report

**Client :** Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140

**P/O :** RJN(2)-004/066

**Project Name :** Pluak Daeng

**Project Location :**

**Lot ID: 23128786**

Date Received : Nov 23, 2023

Date Reported : Dec 04, 2023

Report Number : 2825321-1

Page 13 of 16

<b>Sample Number</b>	23128786-4					
<b>Sampled Date</b>	Nov 23, 2023 5:03 PM					
<b>Sample Description</b>	Undeground Water					
<b>Location</b>	พื้นที่สีเขียวตามทิศตะวันตก (GW4)					
<b>Date Analysis Commenced</b>	Nov 23, 2023					
<b>Condition of Sample</b>	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
<b>Metals Testing</b>							
Aluminium	mg/L	0.003	0.005	0.73	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Arsenic	mg/L	0.0003	0.0005	0.02	≤0.01	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Barium	mg/L	0.0003	0.0005	0.11	No Standard	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	≤0.003	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	≤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	≤0.05	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3500-Cr B	Bangkok
Iron	mg/L	0.003	0.005	41.6	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Lead	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

Approved by

Suwannee Chumkeaw  
Section Head

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## Analysis / Test Report

**Client** : Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140

**P/O** : RJN(2)-004/066

**Project Name** : Pluak Daeng

**Project Location** :

**Lot ID: 23128786**

Date Received : Nov 23, 2023

Date Reported : Dec 04, 2023

Report Number : 2825321-1

Page 14 of 16

<b>Sample Number</b>	23128786-4						
<b>Sampled Date</b>	Nov 23, 2023 5:03 PM						
<b>Sample Description</b>	Undeground Water						
<b>Location</b>	พื้นที่สีเขียวดานทิศตะวันตก (GW4)						
<b>Date Analysis Commenced</b>	Nov 23, 2023						
<b>Condition of Sample</b>	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
<b>Metals Testing</b>							
Manganese	mg/L	0.0003	0.0005	2.63	≤0.5	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	≤0.001	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	0.003	≤0.02	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Selenium	mg/L	0.0003	0.0005	0.0005	≤0.01	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Silver	mg/L	0.0003	0.0005	Not Detected	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Trivalent Chromium *	mg/L	-	0.01	<0.01	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Zinc	mg/L	0.003	0.005	0.006	≤5.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok

## Microbiological Testing

Approved by

Suwannee Chuamkeaw  
Section Head

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## Analysis / Test Report

**Client** : Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140

**P/O** : RJN(2)-004/066

**Project Name** : Pluak Daeng

**Project Location** :

**Lot ID: 23128786**

Date Received : Nov 23, 2023

Date Reported : Dec 04, 2023

Report Number : 2825321-1

Page 15 of 16

<b>Sample Number</b>	23128786-4					
<b>Sampled Date</b>	Nov 23, 2023 5:03 PM					
<b>Sample Description</b>	Undeground Water					
<b>Location</b>	พื้นที่สีเขียวสวนทิศตะวันตก (GW4)					
<b>Date Analysis Commenced</b>	Nov 23, 2023					
<b>Condition of Sample</b>	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
<b>Microbiological Testing</b>							
<i>Escherichia coli</i>	MPN/100mL	-	-	<1.8	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B, F	Bangkok
Standard Plate Count	CFU/mL	-	-	62	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9215 B	Bangkok
Total Coliform	MPN/100mL	-	-	<1.8	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B	Bangkok
<b>Water Testing</b>							
Chloride as Cl *	mg/L	0.5	1	6	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Cl (B)	Rayong
Color *	Color unit	-	5	100	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2120 B	Rayong
Fluoride *	mg/L	-	0.2	0.2	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-F (C)	Rayong
Nitrate as N *	mg/L	0.015	0.05	<0.05	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-NO3 (E)	Rayong
Permanent Hardness as CaCO <sub>3</sub> *	mg/L	-	1	<1	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2320 B	Bangkok
pH at 25 degree C *		-	-	6.3	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Rayong

Approved by

Suwannee Chuamkeaw  
Section Head

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## Analysis / Test Report

**Client :** Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140

**P/O :** RJN(2)-004/066

**Project Name :** Pluak Daeng

**Project Location :**

**Lot ID: 23128786**

Date Received : Nov 23, 2023

Date Reported : Dec 04, 2023

Report Number : 2825321-1

Page 16 of 16

<b>Sample Number</b>	23128786-4						
<b>Sampled Date</b>	Nov 23, 2023 5:03 PM						
<b>Sample Description</b>	Undeground Water						
<b>Location</b>	พื้นที่สีเขียวดานที่ตตะวันตก (GW4)						
<b>Date Analysis Commenced</b>	Nov 23, 2023						
<b>Condition of Sample</b>	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
<b>Water Testing</b>							
Sulfate *	mg/L	0.6	2	64.0	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-SO <sub>4</sub> (E)	Rayong
Total Alkalinity as CaCO <sub>3</sub> *	mg/L	-	1	38	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2320 B	Bangkok
Total Dissolved Solids Dried at 180 degree C *	mg/L	-	5	148	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Rayong
Total Hardness as CaCO <sub>3</sub> *	mg/L	-	1	35	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2340 C	Bangkok
Turbidity *	NTU	-	0.1	130	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2130 B	Rayong

**Guideline :** Notification of the National Environmental Board, No. 20, B.E.2543

**Sampling By :** Narunat thammasaro

**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

Suwannee Chumkeaw  
Section Head

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## Analysis / Test Report

**Client :** Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140

**P/O :** RJN(2)-004/066

**Project Name :** Pluak Daeng

**Project Location :**

**TESTING**

**No.0009**

**Lot ID: 23137694**

Date Received : Nov 27, 2023

Date Reported : Dec 08, 2023

Report Number : 2846275-1

Page 1 of 4

<b>Sample Number</b>	23137694-1
<b>Sampled Date</b>	Nov 27, 2023 2:05 PM
<b>Sample Description</b>	Undeground Water
<b>Location</b>	น.5 บ้านวังตาลหมอน
<b>Date Analysis Commenced</b>	Nov 27, 2023
<b>Condition of Sample</b>	Contained in two glass vials and five plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Metals Testing</b>							
Aluminium	mg/L	0.003	0.005	0.07	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Arsenic	mg/L	0.0003	0.0005	<0.0005	≤0.01	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Barium	mg/L	0.0003	0.0005	0.35	No Standard	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	≤0.003	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	0.0008	≤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	≤0.05	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3500-Cr B	Bangkok
Iron	mg/L	0.003	0.005	0.03	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Lead	mg/L	0.0003	0.0005	0.0010	≤0.01	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok

Approved by

Sithichok T.

Sithichok Thongnueen  
Scientist (3)

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## Analysis / Test Report

**Client :** Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140

**P/O :** RJN(2)-004/066

**Project Name :** Pluak Daeng

**Project Location :**

**TESTING**

**No.0009**

**Lot ID: 23137694**

Date Received : Nov 27, 2023

Date Reported : Dec 08, 2023

Report Number : 2846275-1

Page 2 of 4

<b>Sample Number</b>	23137694-1
<b>Sampled Date</b>	Nov 27, 2023 2:05 PM
<b>Sample Description</b>	Undeground Water
<b>Location</b>	น.5 บ้านวังตาลหมอน
<b>Date Analysis Commenced</b>	Nov 27, 2023
<b>Condition of Sample</b>	Contained in two glass vials and five plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Metals Testing</b>							
Manganese	mg/L	0.0003	0.0005	0.13	≤0.5	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	≤0.001	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	0.002	≤0.02	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Selenium	mg/L	0.0003	0.0005	Not Detected	≤0.01	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Silver	mg/L	0.0003	0.0005	Not Detected	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Trivalent Chromium *	mg/L	-	0.01	<0.01	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Zinc	mg/L	0.003	0.005	0.03	≤5.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok

### Microbiological Testing

Approved by

Sithichok T.

Sithichok Thongnguen  
Scientist (3)

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## Analysis / Test Report

**Client :** Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140

**P/O :** RJN(2)-004/066

**Project Name :** Pluak Daeng

**Project Location :**

**TESTING**

**No.0009**

**Lot ID: 23137694**

Date Received : Nov 27, 2023

Date Reported : Dec 08, 2023

Report Number : 2846275-1

Page 3 of 4

<b>Sample Number</b>	23137694-1
<b>Sampled Date</b>	Nov 27, 2023 2:05 PM
<b>Sample Description</b>	Undeground Water
<b>Location</b>	น.5 บ้านวังตาลหมอน
<b>Date Analysis Commenced</b>	Nov 27, 2023
<b>Condition of Sample</b>	Contained in two glass vials and five plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Microbiological Testing</b>							
<i>Escherichia coli</i>	MPN/100mL	-	-	<1.8	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B, F	Bangkok
Standard Plate Count	CFU/mL	-	-	3100	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9215 B	Bangkok
Total Coliform	MPN/100mL	-	-	79.0	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B	Bangkok
<b>Water Testing</b>							
Chloride as Cl *	mg/L	0.5	1	14.6	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Cl (B)	Rayong
Color *	Color unit	-	5	5	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2120 B	Rayong
Fluoride *	mg/L	-	0.2	<0.2	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-F (C)	Rayong
Nitrate as N *	mg/L	0.015	0.05	14.7	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-NO3 (E)	Rayong
Permanent Hardness as CaCO <sub>3</sub> *	mg/L	-	1	8	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2320 B	Bangkok
pH at 25 degree C *		-	-	6.2	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Rayong

Approved by

Sithichok T.

Sithichok Thongnueen  
Scientist (3)

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## Analysis / Test Report

**Client :** Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140

**P/O :** RJN(2)-004/066

**Project Name :** Pluak Daeng

**Project Location :**

**TESTING**

**No.0009**

**Lot ID: 23137694**

Date Received : Nov 27, 2023

Date Reported : Dec 08, 2023

Report Number : 2846275-1

Page 4 of 4

<b>Sample Number</b>	23137694-1
<b>Sampled Date</b>	Nov 27, 2023 2:05 PM
<b>Sample Description</b>	Undeground Water
<b>Location</b>	น.5 บ้านวังตาลหมอน
<b>Date Analysis Commenced</b>	Nov 27, 2023
<b>Condition of Sample</b>	Contained in two glass vials and five plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Water Testing</b>							
Sulfate *	mg/L	0.6	2	8.8	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-SO <sub>4</sub> (E)	Rayong
Total Alkalinity as CaCO <sub>3</sub> *	mg/L	-	1	51	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2320 B	Bangkok
Total Dissolved Solids Dried at 180 degree C *	mg/L	-	5	188	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Rayong
Total Hardness as CaCO <sub>3</sub> *	mg/L	-	1	58	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2340 C	Bangkok
Turbidity *	NTU	-	0.1	1.1	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2130 B	Rayong

**Guideline :** Notification of the National Environmental Board, No. 20, B.E.2543

**Sampling By :** Tanasit Wongsachai , Panupong Manit

**Remark :**

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked \* is/are not included in scope of Accreditation ISO/IEC 17025.
- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Approved by

Sithichok T.

Sithichok Thongnguen  
Scientist (3)

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# ภาคผนวก ค-06

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ชีวภาพทางน้ำ



สถานีวิจัยประมงศรีราชา

101/12 หมู่ 9 ต. บางพระ

อ. ศรีราชา จ. ชลบุรี 20110

โทร./โทรสาร. (038) 311379

Client : Rojana Industrial Park Rayong 2 Co., Ltd.

Address : 54/5 Moo 1 Map Yang Phon, Pluak Daeng, Rayong, Thailand, 21140

Project Name : Pluak Daeng

รายงานผลการวิเคราะห์แพลงก์ตอนพืช

ตาราง ผลการวิเคราะห์แพลงก์ตอนพืช (เก็บตัวอย่างวันที่ 11 ธันวาคม 2566)

ชนิดแพลงก์ตอนพืช	ปริมาณแพลงก์ตอนพืช (หน่วยต่อลูกบาศก์เมตร)			
	23128795-1	23128795-2	23128795-3	23128795-4
<b>Division Cyanophyta</b>				
<b>Class Cyanophyceae</b>				
<b>Order Chroococcales</b>				
<b>Family Chroococcaceae</b>				
1. <i>Microcystis aeruginosa</i>	26,000	-	84,000	-
<b>Order Nostocales</b>				
<b>Family Oscillatoriaceae</b>				
2. <i>Oscillatoria brevis</i>	44,000	-	-	-
3. <i>Oscillatoria planctonica</i>	9,000	-	38,000	-
4. <i>Oscillatoria</i> sp.	-	28,000	-	-
5. <i>Oscillatoria tenuis</i>	9,000	-	-	-
<b>Family Nostocaceae</b>				
6. <i>Anabaena</i> sp.	-	-	8,000	-

**ตาราง ผลการวิเคราะห์แฟล่งก์ตอนพืช (เก็บตัวอย่างวันที่ 11 ธันวาคม 2566)**

(ต่อ)

ชนิดแฟล่งก์ตอนพืช	ปริมาณแฟล่งก์ตอนพืช (หน่วยต่อลูกบาศก์เมตร)			
	23128795-1	23128795-2	23128795-3	23128795-4
<b>Division Chlorophyta</b>				
<b>Class Chlorophyceae</b>				
<b>Order Volvocales</b>				
<b>Family Volvocaceae</b>				
7. <i>Endorina elegans</i>	209,000	-	114,000	-
8. <i>Pandorina morum</i>	2,001,000	28,000	6,688,000	-
<b>Order Chlorococcales</b>				
<b>Family Hydrodictyaceae</b>				
9. <i>Pediastrum duplex</i>	35,000	-	46,000	-
10. <i>Pediastrum simplex</i>	17,000	9,000	46,000	9,000
<b>Family Oocystaceae</b>				
11. <i>Ankistrodesmus falcatus</i>	9,000	-	-	-
12. <i>Chlorella vulgaris</i>	-	9,000	-	-
13. <i>Dictyosphaerium pulchellum</i>	17,000	-	-	-
14. <i>Oocystis elliptica</i>	9,000	-	-	-
15. <i>Oocystis</i> sp.	52,000	-	-	-
<b>Family Scenedesmaceae</b>				
16. <i>Actinastrum hantzschii</i>	9,000	-	-	-
17. <i>Scenedesmus dimorphus</i>	-	-	38,000	-
18. <i>Scenedesmus opoliensis</i>	139,000	9,000	213,000	-
19. <i>Scenedesmus</i> sp.	-	-	61,000	-
<b>Order Zygomatales</b>				
<b>Family Zygnemataceae</b>				
20. <i>Spirogyra</i> sp.	61,000	-	15,000	-



**ตาราง ผลการวิเคราะห์แฟลกellate (เก็บตัวอย่างวันที่ 11 ธันวาคม 2566)**

(ต่อ)

ชนิดแฟลกellate	ปริมาณแฟลกellate (หน่วยต่อลูกบาศก์เมตร)			
	23128795-1	23128795-2	23128795-3	23128795-4
<b>Class Euglenophyceae</b>				
<b>Order Euglenales</b>				
<b>Family Euglenaceae</b>				
21. <i>Euglena acus</i>	191,000	37,000	84,000	9,000
22. <i>Euglena caudata</i>	17,000	-	-	-
23. <i>Euglena oxyuris</i>	44,000	-	30,000	-
24. <i>Euglena</i> sp.	-	-	76,000	-
25. <i>Euglena splendens</i>	9,000	-	-	9,000
26. <i>Euglena viridis</i>	131,000	-	106,000	-
27. <i>Lepocinclis ovum</i>	696,000	28,000	205,000	-
28. <i>Phacus angulatus</i>	26,000	9,000	53,000	-
29. <i>Phacus hamatus</i>	104,000	-	-	-
30. <i>Phacus longicauda</i>	78,000	-	-	-
31. <i>Phacus myersi</i>	70,000	-	68,000	-
32. <i>Phacus platalia</i>	35,000	-	-	-
33. <i>Phacus</i> sp.	104,000	-	61,000	9,000
34. <i>Phacus tortus</i>	70,000	9,000	30,000	-
35. <i>Strombomonas australica</i>	122,000	-	304,000	-
36. <i>Strombomonas deflandrei</i>	1,566,000	28,000	4,712,000	9,000
37. <i>Strombomonas fluviatilis</i>	244,000	9,000	182,000	18,000
38. <i>Strombomonas gibberosa</i>	218,000	18,000	91,000	-
39. <i>Strombomonas girardiana</i>	-	-	129,000	-
40. <i>Trachelomonas conica</i>	-	-	15,000	-
41. <i>Trachelomonas crebea</i>	1,305,000	74,000	9,272,000	36,000
42. <i>Trachelomonas hispida</i>	783,000	156,000	1,976,000	109,000
43. <i>Trachelomonas mirabilis</i>	-	-	23,000	-
44. <i>Trachelomonas similis</i>	609,000	28,000	2,128,000	27,000
45. <i>Trachelomonas volzii</i>	157,000	9,000	-	-

**ตาราง ผลการวิเคราะห์แพลงก์ตอนพืช (เก็บตัวอย่างวันที่ 11 ธันวาคม 2566)**

(ต่อ)

ชนิดแพลงก์ตอนพืช	ปริมาณแพลงก์ตอนพืช (หน่วยต่อลูกบาศก์เมตร)			
	23128795-1	23128795-2	23128795-3	23128795-4
<b>Division Chromophyta</b>				
<b>Class Bacillariophyceae</b>				
<b>Order Biddulphiales</b>				
<b>Suborder Coscinodiscineae</b>				
<b>Family Thalassiosiraceae</b>				
46. <i>Cyclotella meneghiniana</i>	174,000	9,000	-	9,000
47. <i>Cyclotella stelligera</i>	522,000	18,000	350,000	-
<b>Family Aulacoseiraceae</b>				
48. <i>Aulacoseira granulata</i>	35,000	9,000	30,000	-
<b>Order Bacillariales</b>				
<b>Suborder Fragilariineae</b>				
<b>Family Fragilariaceae</b>				
49. <i>Fragilaria capucina</i>	61,000	9,000	-	9,000
50. <i>Synedra acus</i>	9,000	-	-	9,000
51. <i>Synedra ulna</i>	-	9,000	99,000	9,000
<b>Suborder Bacillariineae</b>				
<b>Family Cymbellaceae</b>				
52. <i>Gomphonema parvulum</i>	35,000	-	-	-
53. <i>Gomphonema undulatum</i>	-	-	15,000	-
<b>Family Naviculaceae</b>				
54. <i>Gyrosigma attenuatum</i>	17,000	-	30,000	-
55. <i>Navicula</i> sp.	35,000	-	-	-
<b>Family Bacillariaceae</b>				
56. <i>Nitzschia linearis</i>	9,000	-	-	-
57. <i>Nitzschia lorenziana</i>	209,000	-	2,280,000	-
<b>Family Surirellaceae</b>				
58. <i>Surirella elegans</i>	-	-	122,000	-

**ตาราง ผลการวิเคราะห์แพลงก์ตอนพืช (เก็บตัวอย่างวันที่ 11 ธันวาคม 2566)**

(ต่อ)

ชนิดแพลงก์ตอนพืช	ปริมาณแพลงก์ตอนพืช (หน่วยต่อลูกบาศก์เมตร)			
	23128795-1	23128795-2	23128795-3	23128795-4
59. <i>Surirella linearis</i>	17,000	-	-	-
60. <i>Surirella robusta</i>	9,000	-	182,000	-
<b>Class Dinophyceae</b>				
<b>Order Gonyaulacalea</b>				
<b>Family Ceratiaceae</b>				
61. <i>Ceratium hirundinella</i>	165,000	-	365,000	-
<b>Order Peridinales</b>				
<b>Family Peridiniaceae</b>				
62. <i>Peridinium cunningtonii</i>	61,000	-	15,000	-
63. <i>Peridinium gatunense</i>	-	-	23,000	-
64. <i>Peridinium</i> sp.	-	37,000	84,000	-
<b>ชนิดแพลงก์ตอนพืช</b>	<b>50</b>	<b>22</b>	<b>42</b>	<b>13</b>
<b>ปริมาณแพลงก์ตอนพืช</b>	<b>10,583,000</b>	<b>579,000</b>	<b>30,491,000</b>	<b>271,000</b>
<b>ดัชนีความหลากหลายแพลงก์ตอนพืช</b>	<b>2.8762</b>	<b>2.6280</b>	<b>2.1465</b>	<b>2.0621</b>
<b>ดัชนีความสม่ำเสมอแพลงก์ตอนพืช</b>	<b>0.7352</b>	<b>0.8502</b>	<b>0.5743</b>	<b>0.8040</b>

**Sample Location :**

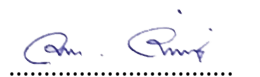
1. สถานี 23128795-1 : ห้วยภูไทก่อนจุดระบายน้ำทิ้งที่ 1 ของโครงการประมาณ 500 เมตร (Bio1)
2. สถานี 23128795-2 : ห้วยภูไทบริเวณจุดระบายน้ำทิ้งที่ 1 ของโครงการ (Bio2)
3. สถานี 23128795-3 : ห้วยภูไทบริเวณจุดระบายน้ำทิ้งที่ 2 ของโครงการ (Bio3)
4. สถานี 23128795-4 : ห้วยภูไทบริเวณจุดระบายน้ำทิ้งที่ 2 ของโครงการระยะห่างประมาณ 500 เมตร (Bio4)

**Condition of Sample :** contained in one plastic bottle, sample containers comply to pretreatment-preservation standards (APHA, USEPA)



(นางสาวกนกวรรณ ขาวดอน)

ผู้วิเคราะห์



(นายอลงกต อินทรชาติ)

หัวหน้าสถานีวิจัยประมงศรีราชา



สถานีวิจัยประมงศรีราชา

101/12 หมู่ 9 ต. บางพระ

อ. ศรีราชา จ. ชลบุรี 20110

โทร./โทรสาร. (038) 311379

Client : Rojana Industrial Park Rayong 2 Co., Ltd.

Address : 54/5 Moo 1 Map Yang Phon, Pluak Daeng, Rayong, Thailand, 21140

Project Name : Pluak Daeng

รายงานผลการวิเคราะห์แพลงก์ตอนสัตว์

ตาราง ผลการวิเคราะห์แพลงก์ตอนสัตว์ (เก็บตัวอย่างวันที่ 11 ธันวาคม 2566)

ชนิดแพลงก์ตอนสัตว์	ปริมาณแพลงก์ตอนสัตว์ (หน่วยต่อลูกบาศก์เมตร)			
	23128795-1	23128795-2	23128795-3	23128795-4
<b>Phylum Protozoa</b>				
<b>Subphylum Plasmodroma</b>				
<b>Class Sarcodina</b>				
<b>Subclass Rhizopoda</b>				
<b>Order Testacida</b>				
<b>Family Arcellidae</b>				
1. <i>Arcella vulgaris</i>	9,000	18,000	61,000	18,000
<b>Family Diffugiidae</b>				
2. <i>Diffugia acuminata</i>	-	-	15,000	-
<b>Family Euglyphidae</b>				
3. <i>Euglypha acanthophora</i>	-	9,000	-	-

ตาราง ผลการวิเคราะห์แพลงก์ตอนสัตว์ (เก็บตัวอย่างวันที่ 11 ธันวาคม 2566)

(ต่อ)

ชนิดแพลงก์ตอนสัตว์	ปริมาณแพลงก์ตอนสัตว์ (หน่วยต่อลูกบาศก์เมตร)			
	23128795-1	23128795-2	23128795-3	23128795-4
<b>Subphylum Ciliophora</b>				
<b>Subclass Spirotricha</b>				
<b>Order Tintinnida</b>				
<b>Family Tintinnididae</b>				
4. <i>Tintinnidium</i> sp.	-	-	8,000	-
<b>Family Codonellidae</b>				
5. <i>Tintinnopsis</i> sp.	104,000	18,000	692,000	-
<b>Phylum Rotifera</b>				
<b>Class Monogononta</b>				
<b>Order Ploima</b>				
<b>Family Brachionidae</b>				
6. <i>Brachionus</i> sp.	-	9,000	-	-
7. <i>Keratella cochlearis</i>	-	-	8,000	-
<b>Family Lecanidae</b>				
8. <i>Lecane aegana</i>	9,000	-	-	-
<b>Family Notommatidae</b>				
9. <i>Cephalodella gibba</i>	9,000	-	23,000	-
<b>Family Tricercidae</b>				
10. <i>Trichocerca pusilla</i>	78,000	-	76,000	9,000
<b>Family Asplanchnidae</b>				
11. <i>Asplanchna priodonta</i>	9,000	-	-	-
<b>Family Synchaetidae</b>				
12. <i>Polyarthra vulgaris</i>	9,000	-	8,000	9,000

**ตาราง ผลการวิเคราะห์แพลงก์ตอนสัตว์ (เก็บตัวอย่างวันที่ 11 ธันวาคม 2566)**

(ต่อ)

ชนิดแพลงก์ตอนสัตว์	ปริมาณแพลงก์ตอนสัตว์ (หน่วยต่อลูกบาศก์เมตร)			
	23128795-1	23128795-2	23128795-3	23128795-4
<b>Phylum Arthropoda</b>				
<b>Class Crustacea</b>				
<b>Subclass Branchiopoda</b>				
<b>Order Diplostraca</b>				
<b>Suborder Cladocera</b>				
<b>Family Moinidae</b>				
13. <i>Moina macrocopa</i>	9,000	-	-	-
<b>Subclass Copepoda</b>				
14. Copepod nauplii	17,000	-	68,000	-
<b>Order Cyclopoida</b>				
15. Cyclopoid copepod	-	-	15,000	-
<b>ชนิดแพลงก์ตอนสัตว์</b>	<b>9</b>	<b>4</b>	<b>10</b>	<b>3</b>
<b>ปริมาณแพลงก์ตอนสัตว์</b>	<b>253,000</b>	<b>54,000</b>	<b>974,000</b>	<b>36,000</b>
<b>ดัชนีความหลากหลายแพลงก์ตอนสัตว์</b>	<b>1.6217</b>	<b>1.3297</b>	<b>1.1366</b>	<b>1.0397</b>
<b>ดัชนีความสม่ำเสมอแพลงก์ตอนสัตว์</b>	<b>0.7381</b>	<b>0.9592</b>	<b>0.4936</b>	<b>0.9464</b>

**Sample Location :**

1. สถานี 23128795-1 : ห้วยภูไทก่อนจุดระบายน้ำทิ้งที่ 1 ของโครงการประมาณ 500 เมตร (Bio1)
2. สถานี 23128795-2 : ห้วยภูไทบริเวณจุดระบายน้ำทิ้งที่ 1 ของโครงการ (Bio2)
3. สถานี 23128795-3 : ห้วยภูไทบริเวณจุดระบายน้ำทิ้งที่ 2 ของโครงการ (Bio3)
4. สถานี 23128795-4 : ห้วยภูไทบริเวณจุดระบายน้ำทิ้งที่ 2 ของโครงการระยะห่างประมาณ 500 เมตร (Bio4)



**Condition of Sample :** contained in one plastic bottle, sample containers comply to pretreatment-preservation standards (APHA, USEPA)



(นางสาวกนกวรรณ ขาวดอน)

ผู้วิเคราะห์



(นายอลงกต อินทรชาติ)

หัวหน้าสถานีวิจัยประมงศรีราชา



สถานีวิจัยประมงศรีราชา

101/12 หมู่ 9 ต. บางพระ อ. ศรีราชา จ. ชลบุรี 20110

โทร./โทรสาร. (038) 311379

Client : Rojana Industrial Park Rayong 2 Co., Ltd.

Address : 54/5 Moo 1 Map Yang Phon, Pluak Daeng, Rayong, Thailand, 21140

Project Name : Pluak Daeng

### รายงานผลการวิเคราะห์สัตว์น้ำ

ตาราง ผลการวิเคราะห์สัตว์น้ำ (Aquatic animal) (เก็บตัวอย่างเมื่อวันที่ 11 ธันวาคม 2566)

ชนิดสัตว์น้ำ	ปริมาณสัตว์น้ำ (ตัว)				ช่วงขนาด (ซม.)	น้ำหนักรวม (กรัม)
	23128795-1	23128795-2	23128795-3	23128795-4		
Phylum Chordata						
Class Actinopterygii						
Order Anabantiformes						
Family Osphronemidae						
<i>Trichopodus trichopterus</i> (ปลากระดี่หม้อ)	3	2	-	1	5.20-7.50	22.00

ตาราง ผลการวิเคราะห์สัตว์น้ำ (Aquatic animal) (เก็บตัวอย่างเมื่อวันที่ 11 ธันวาคม 2566) (ต่อ)

ชนิดสัตว์น้ำ	ปริมาณสัตว์น้ำ (ตัว)				ช่วงขนาด (ซม.)	น้ำหนักรวม (กรัม)
	23128795-1	23128795-2	23128795-3	23128795-4		
<b>Order Cypriniformes</b>						
<b>Family Cyprinidae</b>						
<i>Barbonymus gonionotus</i> (ปลาคะเพียนขาว)	5	3	2	3	5.60-14.40	93.00
<i>Cyclocheilichthys apogon</i> (ปลาไส้ตันตาแดง)	2	1	-	-	5.20-6.50	6.00
<b>Order Gobiiformes</b>						
<b>Family Butidae</b>						
<i>Oxyeleotris marmorata</i> (ปลามู่ทราย)	3	-	-	-	6.20-7.60	14.00
<b>Order Osteoglossiformes</b>						
<b>Family Notopteridae</b>						
<i>Notopterus notopterus</i> (ปลาสร้อย)	-	-	1	-	14.50	20.00
<b>Order Perciformes</b>						
<b>Family Ambassidae</b>						
<i>Parambassis siamensis</i> (ปลาแป้นแก้ว)	7	6	4	4	4.30-5.30	32.00

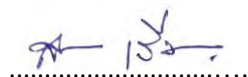
**ตาราง ผลการวิเคราะห์สัตว์น้ำ (Aquatic animal) (เก็บตัวอย่างเมื่อวันที่ 11 ธันวาคม 2566) (ต่อ)**

ชนิดสัตว์น้ำ	ปริมาณสัตว์น้ำ (ตัว)				ช่วงขนาด (ซม.)	น้ำหนักรวม (กรัม)
	23128795-1	23128795-2	23128795-3	23128795-4		
ชนิดสัตว์น้ำ	5	4	3	3	4.30-14.50	187.00
ปริมาณสัตว์น้ำ	20	12	7	8		
ดัชนีความหลากหลายสัตว์น้ำ	1.5134	1.1988	0.9557	0.9743		

**Sample Location :**

1. สถานี 23128795-1 : ห้วยภูไทก่อนจุดระบายน้ำทิ้งที่ 1 ของโครงการประมาณ 500 เมตร (Bio1)
2. สถานี 23128795-2 : ห้วยภูไทบริเวณจุดระบายน้ำทิ้งที่ 1 ของโครงการ (Bio2)
3. สถานี 23128795-3 : ห้วยภูไทบริเวณจุดระบายน้ำทิ้งที่ 2 ของโครงการ (Bio3)
4. สถานี 23128795-4 : ห้วยภูไทบริเวณจุดระบายน้ำทิ้งที่ 2 ของโครงการระยะห่างประมาณ 500 เมตร (Bio4)

**Condition of Sample :** fishing gear



(นายสาโรจน์ เร่มคำริห์)  
ผู้วิเคราะห์



(นายอลงกต อินทรชาติ)  
หัวหน้าสถานีวิจัยประมงศรีราชา



สถานีวิจัยประมงศรีราชา

101/12 หมู่ 9 ต. บางพระ

อ. ศรีราชา จ. ชลบุรี 20110

โทร./โทรสาร. (038) 311379

Client : Rojana Industrial Park Rayong 2 Co., Ltd.

Address : 54/5 Moo 1 Map Yang Phon, Pluak Daeng, Rayong, Thailand, 21140

Project Name : Pluak Daeng

รายงานผลการวิเคราะห์สัตว์หน้าดิน

ตาราง ผลการวิเคราะห์สัตว์หน้าดิน (เก็บตัวอย่างวันที่ 11 ธันวาคม 2566)

สกุลสัตว์หน้าดิน	ปริมาณสัตว์หน้าดิน (ตัวต่อตารางเมตร)			
	23128799-1	23128799-2	23128799-3	23128799-4
<b>Phylum Annelida</b>				
<b>Class Clitellata</b>				
<b>Order Lumbriculida</b>				
<b>Family Lumbriculidae</b>				
<i>Lumbriculus</i> sp. (ไส้เดือนน้ำ)	163	-	60	-
<b>Phylum Arthropoda</b>				
<b>Class Insecta</b>				
<b>Order Diptera</b>				
<b>Family Chironomidae</b>				
<i>Chironomus</i> sp. (หนอนแดง)	30	30	119	45
<b>Order Trichoptera</b>				
<b>Family Ecnomidae</b>				
<i>Ecnomus</i> sp. (ตัวอ่อนแมลงหนอนปลอกน้ำ)	-	-	15	-

**ตาราง ผลการวิเคราะห์สัตว์หน้าดิน** (เก็บตัวอย่างวันที่ 11 ธันวาคม 2566) (ต่อ)

สัตว์หน้าดิน	ปริมาณสัตว์หน้าดิน (ตัวต่อตารางเมตร)			
	23128799-1	23128799-2	23128799-3	23128799-4
สัตว์หน้าดิน	2	1	3	1
ปริมาณสัตว์หน้าดิน	193	30	194	45
ค่าดัชนีความหลากหลายสัตว์หน้าดิน	0.4320	0.0000	0.8607	0.0000

**Sample Location :** 1. สถานี 23128799-1 : ห้วยภูไทก่อนจุดระบายน้ำทิ้งที่ 1 ของโครงการประมาณ 500 เมตร (Bio1)

2. สถานี 23128799-2 : ห้วยภูไทบริเวณจุดระบายน้ำทิ้งที่ 1 ของโครงการ (Bio2)

3. สถานี 23128799-3 : ห้วยภูไทบริเวณจุดระบายน้ำทิ้งที่ 2 ของโครงการ (Bio3)

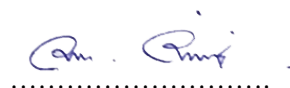
4. สถานี 23128799-4 : ห้วยภูไทบริเวณจุดระบายน้ำทิ้งที่ 2 ของโครงการระยะห่างประมาณ 500 เมตร (Bio4)

**Condition of Sample :** contained in one plastic zip bag



(นายอรรณวุฒิ กันทะวงศ์)

ผู้วิเคราะห์



(นายอลงกต อินทรชาติ)

หัวหน้าสถานีวิจัยประมงศรีราชา

# ภาคผนวก ค-07

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โลหะหนักในตะกอนดิน





## Analysis / Test Report

**Client :** Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140

**P/O :**

**Project Name :** Pluak Daeng

**Project Location :**

**Lot ID: 2348971**

Date Received : May 16, 2023

Date Reported : Jun 01, 2023

Report Number : 2637742-1

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<b>Sample Number</b>	2348971-1
<b>Sampled Date</b>	May 16, 2023 11:20 AM
<b>Sample Description</b>	ตะกอนดิน
<b>Location</b>	ห้วยภูไทก่อนจุดระบายน้ำทั้งที่ 1 ของโครงการระยะทางประมาณ 500 เมตร (SD1)
<b>Date Analysis Commenced</b>	May 18, 2023
<b>Condition of Sample</b>	Packed in one plastic bag and one glass bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Metals Testing</b>							
Aluminium	mg/kg	-	1.00	5853	No Standard	United States Environmental Protection Agency, EPA Method 3050B and 6010D	Bangkok
Arsenic	mg/kg	-	0.50	6.19	≤10	United States Environmental Protection Agency, EPA Method 3050B and 6010D	Bangkok
Cadmium	mg/kg	-	0.50	<0.50	≤1	United States Environmental Protection Agency, EPA Method 3050B and 6010D	Bangkok
Chromium	mg/kg	-	1.00	12.9	≤43.4	United States Environmental Protection Agency, EPA Method 3050B and 6010D	Bangkok
Copper	mg/kg	-	1.00	5.93	≤31.5	United States Environmental Protection Agency, EPA Method 3050B and 6010D	Bangkok
Hexavalent Chromium	mg/kg	-	1.00	<1.00	No Standard	United States Environmental Protection Agency, EPA Method 3060A and 7196A	Bangkok
Mercury	mg/kg	-	0.10	<0.10	≤0.2	United States Environmental Protection Agency, EPA Method 7473	Bangkok
Nickel	mg/kg	-	1.00	5.59	≤23	United States Environmental Protection Agency, EPA Method 3050B and 6010D	Bangkok
Silver	mg/kg	-	1.00	<1.00	No Standard	United States Environmental Protection Agency, EPA Method 3050B and 6010D	Bangkok
Trivalent Chromium	mg/kg	-	1.00	12.9	No Standard	United States Environmental Protection Agency, EPA Method 3050B and 6010D	Bangkok
Zinc	mg/kg	-	1.00	33.2	≤120	United States Environmental Protection Agency, EPA Method 3050B and 6010D	Bangkok

### Physical Parameters

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Approved by

*Sawitree N.*

Sawitree Noisangiam  
Manager



## Analysis / Test Report

**Client :** Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140

**P/O :**

**Project Name :** Pluak Daeng

**Project Location :**

**Lot ID: 2348971**

Date Received : May 16, 2023

Date Reported : Jun 01, 2023

Report Number : 2637742-1

Page 2 of 8

<b>Sample Number</b>	2348971-1
<b>Sampled Date</b>	May 16, 2023 11:20 AM
<b>Sample Description</b>	ตะกอนดิน
<b>Location</b>	ห้วยภูไทก่อนจุดระบายน้ำทั้งที่ 1 ของโครงการระยะห่างประมาณ 500 เมตร (SD1)
<b>Date Analysis Commenced</b>	May 18, 2023
<b>Condition of Sample</b>	Packed in one plastic bag and one glass bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Physical Parameters</b>							
Moisture	%	-	0.1	24.2	No Standard	In-house method based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 G	Bangkok

**Guideline :** Notification of The National Environmental Board B.E.2565, for protect benthic animals

**Note :** Analysis Results expressed on dry basis.

**Sampling By :** Paramet Sattayakun

Remark :

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

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*Sawitree N.*

Sawitree Noisangiam  
Manager

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## Analysis / Test Report

**Client :** Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140

**P/O :**

**Project Name :** Pluak Daeng

**Project Location :**

**Lot ID: 2348971**

Date Received : May 16, 2023

Date Reported : Jun 01, 2023

Report Number : 2637742-1

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<b>Sample Number</b>	2348971-2
<b>Sampled Date</b>	May 16, 2023 10:50 AM
<b>Sample Description</b>	ตะกอนดิน
<b>Location</b>	หน่วยปฏิบัติการวิเคราะห์น้ำทิ้งที่ 1 ของโครงการ (SD2)
<b>Date Analysis Commenced</b>	May 18, 2023
<b>Condition of Sample</b>	Packed in one plastic bag and one glass bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Metals Testing</b>							
Aluminium	mg/kg	-	1.00	19777	No Standard	United States Environmental Protection Agency, EPA Method 3050B and 6010D	Bangkok
Arsenic	mg/kg	-	0.50	16.4	≤10	United States Environmental Protection Agency, EPA Method 3050B and 6010D	Bangkok
Cadmium	mg/kg	-	0.50	<0.50	≤1	United States Environmental Protection Agency, EPA Method 3050B and 6010D	Bangkok
Chromium	mg/kg	-	1.00	16.3	≤43.4	United States Environmental Protection Agency, EPA Method 3050B and 6010D	Bangkok
Copper	mg/kg	-	1.00	12.7	≤31.5	United States Environmental Protection Agency, EPA Method 3050B and 6010D	Bangkok
Hexavalent Chromium	mg/kg	-	1.00	<1.00	No Standard	United States Environmental Protection Agency, EPA Method 3060A and 7196A	Bangkok
Mercury	mg/kg	-	0.10	<0.10	≤0.2	United States Environmental Protection Agency, EPA Method 7473	Bangkok
Nickel	mg/kg	-	1.00	11.8	≤23	United States Environmental Protection Agency, EPA Method 3050B and 6010D	Bangkok
Silver	mg/kg	-	1.00	<1.00	No Standard	United States Environmental Protection Agency, EPA Method 3050B and 6010D	Bangkok
Trivalent Chromium	mg/kg	-	1.00	16.3	No Standard	United States Environmental Protection Agency, EPA Method 3050B and 6010D	Bangkok
Zinc	mg/kg	-	1.00	79.7	≤120	United States Environmental Protection Agency, EPA Method 3050B and 6010D	Bangkok

### Physical Parameters

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*Sawitree N.*

Sawitree Noisangiam  
Manager



## Analysis / Test Report

**Client :** Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140

**P/O :**

**Project Name :** Pluak Daeng

**Project Location :**

**Lot ID: 2348971**

Date Received : May 16, 2023

Date Reported : Jun 01, 2023

Report Number : 2637742-1

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<b>Sample Number</b>	2348971-2
<b>Sampled Date</b>	May 16, 2023 10:50 AM
<b>Sample Description</b>	ตะกอนดิน
<b>Location</b>	ห้วยภูไทบริเวณจุดระบายน้ำทั้งที่ 1 ของโครงการ (SD2)
<b>Date Analysis Commenced</b>	May 18, 2023
<b>Condition of Sample</b>	Packed in one plastic bag and one glass bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Physical Parameters</b>							
Moisture	%	-	0.1	59.8	No Standard	In-house method based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 G	Bangkok

**Guideline :** Notification of The National Environmental Board B.E.2565, for protect benthic animals

**Note :** Analysis Results expressed on dry basis.

**Sampling By :** Paramet Sattayakun

Remark :

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*Sawitree N.*

Sawitree Noisangiam  
Manager

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## Analysis / Test Report

**Client :** Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140

**P/O :**

**Project Name :** Pluak Daeng

**Project Location :**

**Lot ID: 2348971**

Date Received : May 16, 2023

Date Reported : Jun 01, 2023

Report Number : 2637742-1

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<b>Sample Number</b>	2348971-3
<b>Sampled Date</b>	May 16, 2023 9:50 AM
<b>Sample Description</b>	ตะกอนดิน
<b>Location</b>	หน่วยปฏิบัติการวิเคราะห์น้ำทิ้งที่ 2 ของโครงการ (SD3)
<b>Date Analysis Commenced</b>	May 18, 2023
<b>Condition of Sample</b>	Packed in one plastic bag and one glass bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Metals Testing</b>							
Aluminium	mg/kg	-	1.00	12610	No Standard	United States Environmental Protection Agency, EPA Method 3050B and 6010D	Bangkok
Arsenic	mg/kg	-	0.50	8.93	≤10	United States Environmental Protection Agency, EPA Method 3050B and 6010D	Bangkok
Cadmium	mg/kg	-	0.50	<0.50	≤1	United States Environmental Protection Agency, EPA Method 3050B and 6010D	Bangkok
Chromium	mg/kg	-	1.00	10.8	≤43.4	United States Environmental Protection Agency, EPA Method 3050B and 6010D	Bangkok
Copper	mg/kg	-	1.00	8.49	≤31.5	United States Environmental Protection Agency, EPA Method 3050B and 6010D	Bangkok
Hexavalent Chromium	mg/kg	-	1.00	<1.00	No Standard	United States Environmental Protection Agency, EPA Method 3060A and 7196A	Bangkok
Mercury	mg/kg	-	0.10	<0.10	≤0.2	United States Environmental Protection Agency, EPA Method 7473	Bangkok
Nickel	mg/kg	-	1.00	7.15	≤23	United States Environmental Protection Agency, EPA Method 3050B and 6010D	Bangkok
Silver	mg/kg	-	1.00	<1.00	No Standard	United States Environmental Protection Agency, EPA Method 3050B and 6010D	Bangkok
Trivalent Chromium	mg/kg	-	1.00	10.8	No Standard	United States Environmental Protection Agency, EPA Method 3050B and 6010D	Bangkok
Zinc	mg/kg	-	1.00	49.2	≤120	United States Environmental Protection Agency, EPA Method 3050B and 6010D	Bangkok

### Physical Parameters

Approved by

*Sawitree N.*

Sawitree Noisangiam  
Manager

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## Analysis / Test Report

**Client :** Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140

**P/O :**

**Project Name :** Pluak Daeng

**Project Location :**

**Lot ID: 2348971**

Date Received : May 16, 2023

Date Reported : Jun 01, 2023

Report Number : 2637742-1

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<b>Sample Number</b>	2348971-3
<b>Sampled Date</b>	May 16, 2023 9:50 AM
<b>Sample Description</b>	ตะกอนดิน
<b>Location</b>	ห้วยภูไทบริเวณจุดระบายน้ำทิ้งที่ 2 ของโครงการ (SD3)
<b>Date Analysis Commenced</b>	May 18, 2023
<b>Condition of Sample</b>	Packed in one plastic bag and one glass bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Physical Parameters</b>							
Moisture	%	-	0.1	36.9	No Standard	In-house method based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 G	Bangkok

**Guideline :** Notification of The National Environmental Board B.E.2565, for protect benthic animals

**Note :** Analysis Results expressed on dry basis.

**Sampling By :** Paramet Sattayakun

Remark :

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

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*Sawitree N.*

Sawitree Noisangiam  
Manager



## Analysis / Test Report

**Client :** Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140

**P/O :**

**Project Name :** Pluak Daeng

**Project Location :**

**Lot ID: 2348971**

Date Received : May 16, 2023

Date Reported : Jun 01, 2023

Report Number : 2637742-1

Page 7 of 8

<b>Sample Number</b>	2348971-4
<b>Sampled Date</b>	May 16, 2023 10:15 AM
<b>Sample Description</b>	ตะกอนดิน
<b>Location</b>	ท้ายภูไทหลังจตุรธาบายน้ำทั้งที่ 2 ของโครงการระยะทางประมาณ 500 เมตร (SD4)
<b>Date Analysis Commenced</b>	May 18, 2023
<b>Condition of Sample</b>	Packed in one plastic bag and one glass bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Metals Testing</b>							
Aluminium	mg/kg	-	1.00	11024	No Standard	United States Environmental Protection Agency, EPA Method 3050B and 6010D	Bangkok
Arsenic	mg/kg	-	0.50	7.61	≤10	United States Environmental Protection Agency, EPA Method 3050B and 6010D	Bangkok
Cadmium	mg/kg	-	0.50	<0.50	≤1	United States Environmental Protection Agency, EPA Method 3050B and 6010D	Bangkok
Chromium	mg/kg	-	1.00	11.0	≤43.4	United States Environmental Protection Agency, EPA Method 3050B and 6010D	Bangkok
Copper	mg/kg	-	1.00	8.70	≤31.5	United States Environmental Protection Agency, EPA Method 3050B and 6010D	Bangkok
Hexavalent Chromium	mg/kg	-	1.00	<1.00	No Standard	United States Environmental Protection Agency, EPA Method 3060A and 7196A	Bangkok
Mercury	mg/kg	-	0.10	<0.10	≤0.2	United States Environmental Protection Agency, EPA Method 7473	Bangkok
Nickel	mg/kg	-	1.00	7.43	≤23	United States Environmental Protection Agency, EPA Method 3050B and 6010D	Bangkok
Silver	mg/kg	-	1.00	<1.00	No Standard	United States Environmental Protection Agency, EPA Method 3050B and 6010D	Bangkok
Trivalent Chromium	mg/kg	-	1.00	11.0	No Standard	United States Environmental Protection Agency, EPA Method 3050B and 6010D	Bangkok
Zinc	mg/kg	-	1.00	44.7	≤120	United States Environmental Protection Agency, EPA Method 3050B and 6010D	Bangkok

### Physical Parameters

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*Sawitree N.*

Sawitree Noisangiam  
Manager





## Analysis / Test Report

**Client :** Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140

**P/O :**

**Project Name :** Pluak Daeng

**Project Location :**

**Lot ID: 2348971**

Date Received : May 16, 2023

Date Reported : Jun 01, 2023

Report Number : 2637742-1

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<b>Sample Number</b>	2348971-4
<b>Sampled Date</b>	May 16, 2023 10:15 AM
<b>Sample Description</b>	ตะกอนดิน
<b>Location</b>	ห้วยภูไทหลังจตุรขวานน้ำทั้งที่ 2 ของโครงการระยะทางประมาณ 500 เมตร (SD4)
<b>Date Analysis Commenced</b>	May 18, 2023
<b>Condition of Sample</b>	Packed in one plastic bag and one glass bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Physical Parameters</b>							
Moisture	%	-	0.1	39.0	No Standard	In-house method based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 G	Bangkok

**Guideline :** Notification of The National Environmental Board B.E.2565, for protect benthic animals

**Note :** Analysis Results expressed on dry basis.

**Sampling By :** Paramet Sattayakun

Remark :

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

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

Approved by

*Sawitree N.*

Sawitree Noisangiam  
Manager

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# ภาคผนวก ค-08

คุณภาพดิน



## Analysis / Test Report

**Client :** Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140

**P/O :** RJN(2)-004/066

**Project Name :** Pluak Daeng

**Project Location :**

**Lot ID: 23128803**

Date Received : Nov 23, 2023

Date Reported : Dec 01, 2023

Report Number : 2825330-1

Page 1 of 16

<b>Sample Number</b>	23128803-1
<b>Sampled Date</b>	Nov 23, 2023 3:30 PM
<b>Sample Description</b>	Soil ที่ระดับความลึก 5 ซม.
<b>Location</b>	พื้นที่สีเขียวด้านทิศเหนือ (S1)
<b>Date Analysis Commenced</b>	Nov 24, 2023
<b>Condition of Sample</b>	Packed in one plastic bag and one glass bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Metals Testing</b>							
Aluminium	mg/kg	-	1.00	3480	No Standard	United States Environmental Protection Agency, EPA Method 3050B and 6010D	Bangkok
Arsenic	mg/kg	-	0.50	2.72	≤25	United States Environmental Protection Agency, EPA Method 3050B and 6010D	Bangkok
Cadmium	mg/kg	-	0.50	<0.50	≤762	United States Environmental Protection Agency, EPA Method 3050B and 6010D	Bangkok
Copper	mg/kg	-	1.00	2.64	≤35040	United States Environmental Protection Agency, EPA Method 3050B and 6010D	Bangkok
Hexavalent Chromium	mg/kg	-	1.00	<1.00	≤212	United States Environmental Protection Agency, EPA Method 3060A and 7196A	Bangkok
Mercury	mg/kg	-	0.10	<0.10	≤263	United States Environmental Protection Agency, EPA Method 7473	Bangkok
Nickel	mg/kg	-	1.00	1.02	≤5205	United States Environmental Protection Agency, EPA Method 3050B and 6010D	Bangkok
Silver	mg/kg	-	1.00	<1.00	No Standard	United States Environmental Protection Agency, EPA Method 3050B and 6010D	Bangkok
Trivalent Chromium	mg/kg	-	1.00	<1.00	No Standard	United States Environmental Protection Agency, EPA Method 3050B and 6010D	Bangkok
Zinc	mg/kg	-	1.00	6.37	No Standard	United States Environmental Protection Agency, EPA Method 3050B and 6010D	Bangkok
<b>Physical Parameters</b>							
Moisture	%	-	0.1	2.5	No Standard	In-house method based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 G	Bangkok

Approved by

*Sawitree N.*

Sawitree Noisangiam  
Manager

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## Analysis / Test Report

**Client :** Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140

**P/O :** RJN(2)-004/066

**Project Name :** Pluak Daeng

**Project Location :**

**Lot ID: 23128803**

Date Received : Nov 23, 2023

Date Reported : Dec 01, 2023

Report Number : 2825330-1

Page 2 of 16

**Guideline :** Notification of National Environmental Board B.E. 2564 (2021), published in the Royal Government Gazette No. 138 Special Part 54 D dated March 11, B.E.2564

Class 2: Soil usage for commercial, agricultural and others.

**Note :** Analysis Results expressed on dry basis.

**Sampling By :** Samart Khumphlee

Remark :

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

Approved by

Sawitree Noisangiam  
Manager

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## Analysis / Test Report

**Client :** Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140

**P/O :** RJN(2)-004/066

**Project Name :** Pluak Daeng

**Project Location :**

**Lot ID: 23128803**

Date Received : Nov 23, 2023

Date Reported : Dec 01, 2023

Report Number : 2825330-1

Page 3 of 16

<b>Sample Number</b>	23128803-2
<b>Sampled Date</b>	Nov 23, 2023 10:50 AM
<b>Sample Description</b>	Soil ที่ระดับความลึก 5 ซม.
<b>Location</b>	พื้นที่สีเขียวต้นทิศใต้ (S2)
<b>Date Analysis Commenced</b>	Nov 24, 2023
<b>Condition of Sample</b>	Packed in one plastic bag and one glass bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Metals Testing</b>							
Aluminium	mg/kg	-	1.00	7472	No Standard	United States Environmental Protection Agency, EPA Method 3050B and 6010D	Bangkok
Arsenic	mg/kg	-	0.50	2.31	≤25	United States Environmental Protection Agency, EPA Method 3050B and 6010D	Bangkok
Cadmium	mg/kg	-	0.50	<0.50	≤762	United States Environmental Protection Agency, EPA Method 3050B and 6010D	Bangkok
Copper	mg/kg	-	1.00	4.57	≤35040	United States Environmental Protection Agency, EPA Method 3050B and 6010D	Bangkok
Hexavalent Chromium	mg/kg	-	1.00	<1.00	≤212	United States Environmental Protection Agency, EPA Method 3060A and 7196A	Bangkok
Mercury	mg/kg	-	0.10	<0.10	≤263	United States Environmental Protection Agency, EPA Method 7473	Bangkok
Nickel	mg/kg	-	1.00	54.8	≤5205	United States Environmental Protection Agency, EPA Method 3050B and 6010D	Bangkok
Silver	mg/kg	-	1.00	<1.00	No Standard	United States Environmental Protection Agency, EPA Method 3050B and 6010D	Bangkok
Trivalent Chromium	mg/kg	-	1.00	<1.00	No Standard	United States Environmental Protection Agency, EPA Method 3050B and 6010D	Bangkok
Zinc	mg/kg	-	1.00	5.28	No Standard	United States Environmental Protection Agency, EPA Method 3050B and 6010D	Bangkok
<b>Physical Parameters</b>							
Moisture	%	-	0.1	3.6	No Standard	In-house method based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 G	Bangkok

Approved by

*Sawitree N.*

Sawitree Noisangiam  
Manager

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## Analysis / Test Report

**Client :** Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140

**P/O :** RJN(2)-004/066

**Project Name :** Pluak Daeng

**Project Location :**

**Lot ID: 23128803**

Date Received : Nov 23, 2023

Date Reported : Dec 01, 2023

Report Number : 2825330-1

Page 4 of 16

**Guideline :** Notification of National Environmental Board B.E. 2564 (2021), published in the Royal Government Gazette No. 138 Special Part 54 D dated March 11, B.E.2564

Class 2: Soil usage for commercial, agricultural and others.

**Note :** Analysis Results expressed on dry basis.

**Sampling By :** Samart Khumphlee

Remark :

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

Approved by

Sawitree Noisangiam  
Manager

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## Analysis / Test Report

**Client :** Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140

**P/O :** RJN(2)-004/066

**Project Name :** Pluak Daeng

**Project Location :**

**Lot ID: 23128803**

Date Received : Nov 23, 2023

Date Reported : Dec 01, 2023

Report Number : 2825330-1

Page 5 of 16

<b>Sample Number</b>	23128803-3
<b>Sampled Date</b>	Nov 23, 2023 2:30 PM
<b>Sample Description</b>	Soil ที่ระดับความลึก 5 ซม.
<b>Location</b>	พื้นที่สีเขียวด้านทิศตะวันออก (S3)
<b>Date Analysis Commenced</b>	Nov 24, 2023
<b>Condition of Sample</b>	Packed in one plastic bag and one glass bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Metals Testing</b>							
Aluminium	mg/kg	-	1.00	7717	No Standard	United States Environmental Protection Agency, EPA Method 3050B and 6010D	Bangkok
Arsenic	mg/kg	-	0.50	6.10	≤25	United States Environmental Protection Agency, EPA Method 3050B and 6010D	Bangkok
Cadmium	mg/kg	-	0.50	<0.50	≤762	United States Environmental Protection Agency, EPA Method 3050B and 6010D	Bangkok
Copper	mg/kg	-	1.00	1.71	≤35040	United States Environmental Protection Agency, EPA Method 3050B and 6010D	Bangkok
Hexavalent Chromium	mg/kg	-	1.00	<1.00	≤212	United States Environmental Protection Agency, EPA Method 3060A and 7196A	Bangkok
Mercury	mg/kg	-	0.10	<0.10	≤263	United States Environmental Protection Agency, EPA Method 7473	Bangkok
Nickel	mg/kg	-	1.00	1.23	≤5205	United States Environmental Protection Agency, EPA Method 3050B and 6010D	Bangkok
Silver	mg/kg	-	1.00	<1.00	No Standard	United States Environmental Protection Agency, EPA Method 3050B and 6010D	Bangkok
Trivalent Chromium	mg/kg	-	1.00	<1.00	No Standard	United States Environmental Protection Agency, EPA Method 3050B and 6010D	Bangkok
Zinc	mg/kg	-	1.00	3.38	No Standard	United States Environmental Protection Agency, EPA Method 3050B and 6010D	Bangkok
<b>Physical Parameters</b>							
Moisture	%	-	0.1	4.4	No Standard	In-house method based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 G	Bangkok

Approved by

*Sawitree N.*

Sawitree Noisangiam  
Manager

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## Analysis / Test Report

**Client :** Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140

**P/O :** RJN(2)-004/066

**Project Name :** Pluak Daeng

**Project Location :**

**Lot ID: 23128803**

Date Received : Nov 23, 2023

Date Reported : Dec 01, 2023

Report Number : 2825330-1

Page 6 of 16

**Guideline :** Notification of National Environmental Board B.E. 2564 (2021), published in the Royal Government Gazette No. 138 Special Part 54 D dated March 11, B.E.2564

Class 2: Soil usage for commercial, agricultural and others.

**Note :** Analysis Results expressed on dry basis.

**Sampling By :** Samart Khumphlee

Remark :

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

Approved by

Sawitree Noisangiam  
Manager

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## Analysis / Test Report

**Client :** Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140

**P/O :** RJN(2)-004/066

**Project Name :** Pluak Daeng

**Project Location :**

**Lot ID: 23128803**

Date Received : Nov 23, 2023

Date Reported : Dec 01, 2023

Report Number : 2825330-1

Page 7 of 16

<b>Sample Number</b>	23128803-4
<b>Sampled Date</b>	Nov 23, 2023 5:10 PM
<b>Sample Description</b>	Soil ที่ระดับความลึก 5 ซม.
<b>Location</b>	พื้นที่สีเขียวด้านทิศตะวันตก (S4)
<b>Date Analysis Commenced</b>	Nov 24, 2023
<b>Condition of Sample</b>	Packed in one plastic bag and one glass bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Metals Testing</b>							
Aluminium	mg/kg	-	1.00	6309	No Standard	United States Environmental Protection Agency, EPA Method 3050B and 6010D	Bangkok
Arsenic	mg/kg	-	0.50	7.65	≤25	United States Environmental Protection Agency, EPA Method 3050B and 6010D	Bangkok
Cadmium	mg/kg	-	0.50	<0.50	≤762	United States Environmental Protection Agency, EPA Method 3050B and 6010D	Bangkok
Copper	mg/kg	-	1.00	5.70	≤35040	United States Environmental Protection Agency, EPA Method 3050B and 6010D	Bangkok
Hexavalent Chromium	mg/kg	-	1.00	<1.00	≤212	United States Environmental Protection Agency, EPA Method 3060A and 7196A	Bangkok
Mercury	mg/kg	-	0.10	<0.10	≤263	United States Environmental Protection Agency, EPA Method 7473	Bangkok
Nickel	mg/kg	-	1.00	3.13	≤5205	United States Environmental Protection Agency, EPA Method 3050B and 6010D	Bangkok
Silver	mg/kg	-	1.00	<1.00	No Standard	United States Environmental Protection Agency, EPA Method 3050B and 6010D	Bangkok
Trivalent Chromium	mg/kg	-	1.00	<1.00	No Standard	United States Environmental Protection Agency, EPA Method 3050B and 6010D	Bangkok
Zinc	mg/kg	-	1.00	18.2	No Standard	United States Environmental Protection Agency, EPA Method 3050B and 6010D	Bangkok
<b>Physical Parameters</b>							
Moisture	%	-	0.1	19.3	No Standard	In-house method based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 G	Bangkok

Approved by

*Sawitree N.*

Sawitree Noisangiam  
Manager

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## Analysis / Test Report

**Client** : Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140  
**P/O** : RJN(2)-004/066  
**Project Name** : Pluak Daeng  
**Project Location** :

**Lot ID: 23128803**

Date Received : Nov 23, 2023

Date Reported : Dec 01, 2023

Report Number : 2825330-1

Page 8 of 16

**Guideline** : Notification of National Environmental Board B.E. 2564 (2021), published in the Royal Government Gazette No. 138 Special Part 54 D dated March 11, B.E.2564

Class 2: Soil usage for commercial, agricultural and others.

**Note** : Analysis Results expressed on dry basis.

**Sampling By** : Samart Khumphlee

Remark :

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

Approved by

Sawitree Noisangiam  
Manager

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## Analysis / Test Report

**Client :** Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140

**P/O :** RJN(2)-004/066

**Project Name :** Pluak Daeng

**Project Location :**

**Lot ID: 23128803**

Date Received : Nov 23, 2023

Date Reported : Dec 01, 2023

Report Number : 2825330-1

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<b>Sample Number</b>	23128803-5
<b>Sampled Date</b>	Nov 23, 2023 3:50 PM
<b>Sample Description</b>	Soil ที่ระดับความลึก 30 ซม.
<b>Location</b>	พื้นที่สีเขียวด้านทิศเหนือ (S1)
<b>Date Analysis Commenced</b>	Nov 24, 2023
<b>Condition of Sample</b>	Packed in one plastic bag and one glass bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Metals Testing</b>							
Aluminium	mg/kg	-	1.00	4072	No Standard	United States Environmental Protection Agency, EPA Method 3050B and 6010D	Bangkok
Arsenic	mg/kg	-	0.50	3.13	≤25	United States Environmental Protection Agency, EPA Method 3050B and 6010D	Bangkok
Cadmium	mg/kg	-	0.50	<0.50	≤762	United States Environmental Protection Agency, EPA Method 3050B and 6010D	Bangkok
Copper	mg/kg	-	1.00	2.46	≤35040	United States Environmental Protection Agency, EPA Method 3050B and 6010D	Bangkok
Hexavalent Chromium	mg/kg	-	1.00	<1.00	≤212	United States Environmental Protection Agency, EPA Method 3060A and 7196A	Bangkok
Mercury	mg/kg	-	0.10	<0.10	≤263	United States Environmental Protection Agency, EPA Method 7473	Bangkok
Nickel	mg/kg	-	1.00	1.76	≤5205	United States Environmental Protection Agency, EPA Method 3050B and 6010D	Bangkok
Silver	mg/kg	-	1.00	<1.00	No Standard	United States Environmental Protection Agency, EPA Method 3050B and 6010D	Bangkok
Trivalent Chromium	mg/kg	-	1.00	<1.00	No Standard	United States Environmental Protection Agency, EPA Method 3050B and 6010D	Bangkok
Zinc	mg/kg	-	1.00	5.54	No Standard	United States Environmental Protection Agency, EPA Method 3050B and 6010D	Bangkok
<b>Physical Parameters</b>							
Moisture	%	-	0.1	2.5	No Standard	In-house method based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 G	Bangkok

Approved by

*Sawitree N.*

Sawitree Noisangiam  
Manager

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## Analysis / Test Report

**Client** : Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140  
**P/O** : RJN(2)-004/066  
**Project Name** : Pluak Daeng  
**Project Location** :

**Lot ID: 23128803**

Date Received : Nov 23, 2023

Date Reported : Dec 01, 2023

Report Number : 2825330-1

Page 10 of 16

**Guideline** : Notification of National Environmental Board B.E. 2564 (2021), published in the Royal Government Gazette No. 138 Special Part 54 D dated March 11, B.E.2564

Class 2: Soil usage for commercial, agricultural and others.

**Note** : Analysis Results expressed on dry basis.

**Sampling By** : Samart Khumphlee

Remark :

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

Approved by

Sawitree Noisangiam  
Manager

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## Analysis / Test Report

**Client :** Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140

**P/O :** RJN(2)-004/066

**Project Name :** Pluak Daeng

**Project Location :**

**Lot ID: 23128803**

Date Received : Nov 23, 2023

Date Reported : Dec 01, 2023

Report Number : 2825330-1

Page 11 of 16

<b>Sample Number</b>	23128803-6
<b>Sampled Date</b>	Nov 23, 2023 11:00 AM
<b>Sample Description</b>	Soil ที่ระดับความลึก 30 ซม.
<b>Location</b>	พื้นที่สีเขียวด้านทิศใต้ (S2)
<b>Date Analysis Commenced</b>	Nov 24, 2023
<b>Condition of Sample</b>	Packed in one plastic bag and one glass bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Metals Testing</b>							
Aluminium	mg/kg	-	1.00	5379	No Standard	United States Environmental Protection Agency, EPA Method 3050B and 6010D	Bangkok
Arsenic	mg/kg	-	0.50	1.10	≤25	United States Environmental Protection Agency, EPA Method 3050B and 6010D	Bangkok
Cadmium	mg/kg	-	0.50	<0.50	≤762	United States Environmental Protection Agency, EPA Method 3050B and 6010D	Bangkok
Copper	mg/kg	-	1.00	3.65	≤35040	United States Environmental Protection Agency, EPA Method 3050B and 6010D	Bangkok
Hexavalent Chromium	mg/kg	-	1.00	<1.00	≤212	United States Environmental Protection Agency, EPA Method 3060A and 7196A	Bangkok
Mercury	mg/kg	-	0.10	<0.10	≤263	United States Environmental Protection Agency, EPA Method 7473	Bangkok
Nickel	mg/kg	-	1.00	44.0	≤5205	United States Environmental Protection Agency, EPA Method 3050B and 6010D	Bangkok
Silver	mg/kg	-	1.00	<1.00	No Standard	United States Environmental Protection Agency, EPA Method 3050B and 6010D	Bangkok
Trivalent Chromium	mg/kg	-	1.00	<1.00	No Standard	United States Environmental Protection Agency, EPA Method 3050B and 6010D	Bangkok
Zinc	mg/kg	-	1.00	5.52	No Standard	United States Environmental Protection Agency, EPA Method 3050B and 6010D	Bangkok
<b>Physical Parameters</b>							
Moisture	%	-	0.1	3.2	No Standard	In-house method based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 G	Bangkok

Approved by

*Sawitree N.*

Sawitree Noisangiam  
Manager

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## Analysis / Test Report

**Client** : Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140  
**P/O** : RJN(2)-004/066  
**Project Name** : Pluak Daeng  
**Project Location** :

**Lot ID: 23128803**

Date Received : Nov 23, 2023

Date Reported : Dec 01, 2023

Report Number : 2825330-1

Page 12 of 16

**Guideline** : Notification of National Environmental Board B.E. 2564 (2021), published in the Royal Government Gazette No. 138 Special Part 54 D dated March 11, B.E.2564

Class 2: Soil usage for commercial, agricultural and others.

**Note** : Analysis Results expressed on dry basis.

**Sampling By** : Samart Khumphlee

Remark :

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

Approved by

Sawitree Noisangiam  
Manager

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. No part of this report may be reproduced in any form without written consent from the laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

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## Analysis / Test Report

**Client :** Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140

**P/O :** RJN(2)-004/066

**Project Name :** Pluak Daeng

**Project Location :**

**Lot ID: 23128803**

Date Received : Nov 23, 2023

Date Reported : Dec 01, 2023

Report Number : 2825330-1

Page 13 of 16

<b>Sample Number</b>	23128803-7
<b>Sampled Date</b>	Nov 23, 2023 2:40 PM
<b>Sample Description</b>	Soil ที่ระดับความลึก 30 ซม.
<b>Location</b>	พื้นที่สีเขียวด้านทิศตะวันออก (S3)
<b>Date Analysis Commenced</b>	Nov 24, 2023
<b>Condition of Sample</b>	Packed in one plastic bag and one glass bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Metals Testing</b>							
Aluminium	mg/kg	-	1.00	8337	No Standard	United States Environmental Protection Agency, EPA Method 3050B and 6010D	Bangkok
Arsenic	mg/kg	-	0.50	6.44	≤25	United States Environmental Protection Agency, EPA Method 3050B and 6010D	Bangkok
Cadmium	mg/kg	-	0.50	<0.50	≤762	United States Environmental Protection Agency, EPA Method 3050B and 6010D	Bangkok
Copper	mg/kg	-	1.00	2.04	≤35040	United States Environmental Protection Agency, EPA Method 3050B and 6010D	Bangkok
Hexavalent Chromium	mg/kg	-	1.00	<1.00	≤212	United States Environmental Protection Agency, EPA Method 3060A and 7196A	Bangkok
Mercury	mg/kg	-	0.10	<0.10	≤263	United States Environmental Protection Agency, EPA Method 7473	Bangkok
Nickel	mg/kg	-	1.00	1.45	≤5205	United States Environmental Protection Agency, EPA Method 3050B and 6010D	Bangkok
Silver	mg/kg	-	1.00	<1.00	No Standard	United States Environmental Protection Agency, EPA Method 3050B and 6010D	Bangkok
Trivalent Chromium	mg/kg	-	1.00	<1.00	No Standard	United States Environmental Protection Agency, EPA Method 3050B and 6010D	Bangkok
Zinc	mg/kg	-	1.00	4.34	No Standard	United States Environmental Protection Agency, EPA Method 3050B and 6010D	Bangkok
<b>Physical Parameters</b>							
Moisture	%	-	0.1	5.1	No Standard	In-house method based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 G	Bangkok

Approved by

*Sawitree N.*

Sawitree Noisangiam  
Manager

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## Analysis / Test Report

**Client :** Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140

**P/O :** RJN(2)-004/066

**Project Name :** Pluak Daeng

**Project Location :**

**Lot ID: 23128803**

Date Received : Nov 23, 2023

Date Reported : Dec 01, 2023

Report Number : 2825330-1

Page 14 of 16

**Guideline :** Notification of National Environmental Board B.E. 2564 (2021), published in the Royal Government Gazette No. 138 Special Part 54 D dated March 11, B.E.2564

Class 2: Soil usage for commercial, agricultural and others.

**Note :** Analysis Results expressed on dry basis.

**Sampling By :** Samart Khumphlee

Remark :

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

Approved by

Sawitree Noisangiam  
Manager

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## Analysis / Test Report

**Client :** Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140

**P/O :** RJN(2)-004/066

**Project Name :** Pluak Daeng

**Project Location :**

**Lot ID: 23128803**

Date Received : Nov 23, 2023

Date Reported : Dec 01, 2023

Report Number : 2825330-1

Page 15 of 16

<b>Sample Number</b>	23128803-8
<b>Sampled Date</b>	Nov 23, 2023 5:20 PM
<b>Sample Description</b>	Soil ที่ระดับความลึก 30 ซม.
<b>Location</b>	พื้นที่สีเขียวด้านทิศตะวันตก (S4)
<b>Date Analysis Commenced</b>	Nov 24, 2023
<b>Condition of Sample</b>	Packed in one plastic bag and one glass bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Metals Testing</b>							
Aluminium	mg/kg	-	1.00	7206	No Standard	United States Environmental Protection Agency, EPA Method 3050B and 6010D	Bangkok
Arsenic	mg/kg	-	0.50	10.4	≤25	United States Environmental Protection Agency, EPA Method 3050B and 6010D	Bangkok
Cadmium	mg/kg	-	0.50	<0.50	≤762	United States Environmental Protection Agency, EPA Method 3050B and 6010D	Bangkok
Copper	mg/kg	-	1.00	7.08	≤35040	United States Environmental Protection Agency, EPA Method 3050B and 6010D	Bangkok
Hexavalent Chromium	mg/kg	-	1.00	<1.00	≤212	United States Environmental Protection Agency, EPA Method 3060A and 7196A	Bangkok
Mercury	mg/kg	-	0.10	<0.10	≤263	United States Environmental Protection Agency, EPA Method 7473	Bangkok
Nickel	mg/kg	-	1.00	3.60	≤5205	United States Environmental Protection Agency, EPA Method 3050B and 6010D	Bangkok
Silver	mg/kg	-	1.00	<1.00	No Standard	United States Environmental Protection Agency, EPA Method 3050B and 6010D	Bangkok
Trivalent Chromium	mg/kg	-	1.00	<1.00	No Standard	United States Environmental Protection Agency, EPA Method 3050B and 6010D	Bangkok
Zinc	mg/kg	-	1.00	15.7	No Standard	United States Environmental Protection Agency, EPA Method 3050B and 6010D	Bangkok
<b>Physical Parameters</b>							
Moisture	%	-	0.1	4.1	No Standard	In-house method based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 G	Bangkok

Approved by

*Sawitree N.*

Sawitree Noisangiam  
Manager

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## Analysis / Test Report

**Client** : Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140  
**P/O** : RJN(2)-004/066  
**Project Name** : Pluak Daeng  
**Project Location** :

**Lot ID: 23128803**

Date Received : Nov 23, 2023

Date Reported : Dec 01, 2023

Report Number : 2825330-1

Page 16 of 16

**Guideline** : Notification of National Environmental Board B.E. 2564 (2021), published in the Royal Government Gazette No. 138 Special Part 54 D dated March 11, B.E.2564

Class 2: Soil usage for commercial, agricultural and others.

**Note** : Analysis Results expressed on dry basis.

**Sampling By** : Samart Khumphlee

Remark :

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

Approved by

Sawitree Noisangiam  
Manager

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# ภาคผนวก ค-09

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ระดับเสียงโดยทั่วไป



## Analysis / Test Report

TESTING  
No.0042

**Client :** Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140

**P/O :** RJN(2)-004/066

**Project Name :** Pluak Daeng

**Project Location :**

**Lot ID: 23115910**

Date Received : Nov 03, 2023

Date Reported : Nov 08, 2023

Report Number: 2829651-1

Page 1 of 1

**Sample Number** 23115910-1  
**Parameter** Noise (Leq 24 hrs.)  
**Location** บ้านวังดาลหมอน (N1) (GPS 47P 0734063, 1432127)  
**Measurement Date** Oct 27 - Oct 28, 2023  
**Measurement by** Saknarin Jaraskay  
**Sound Level meter** Serial No. 296518

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	59.9	81.0	45.0
12:00 PM - 01:00 PM	58.0	79.3	44.5
01:00 PM - 02:00 PM	57.7	88.6	45.3
02:00 PM - 03:00 PM	60.1	80.2	46.4
03:00 PM - 04:00 PM	60.9	81.8	47.0
04:00 PM - 05:00 PM	59.9	83.4	46.2
05:00 PM - 06:00 PM	59.0	85.7	50.1
06:00 PM - 07:00 PM	54.0	77.3	46.8
07:00 PM - 08:00 PM	54.0	78.8	45.6
08:00 PM - 09:00 PM	54.1	76.1	46.0
09:00 PM - 10:00 PM	48.5	67.3	42.3
10:00 PM - 11:00 PM	48.0	69.8	41.5
11:00 PM - 12:00 AM	45.4	62.4	41.2
12:00 AM - 01:00 AM	44.6	63.1	40.6
01:00 AM - 02:00 AM	42.3	61.9	40.3
02:00 AM - 03:00 AM	43.5	62.5	40.4
03:00 AM - 04:00 AM	43.4	68.7	38.2
04:00 AM - 05:00 AM	46.6	65.8	38.5
05:00 AM - 06:00 AM	50.0	72.6	41.9
06:00 AM - 07:00 AM	55.7	77.2	47.3
07:00 AM - 08:00 AM	58.9	81.7	48.9
08:00 AM - 09:00 AM	57.5	77.1	46.9
09:00 AM - 10:00 AM	57.7	79.9	47.0
10:00 AM - 11:00 AM	58.5	82.9	47.2

Leq Average 24 hrs. (dB(A)) 56.4  
Lmax (dB(A)) 88.6  
L90 (dB(A)) 45.3  
Ldn (dB(A)) 58.4  
Standard (dB(A)) 70 115

Reference Method : ISO1996-1 and 1996-2

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

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

Technical Management

*Thanita K.*

Thanita Kulsuriwong  
Scientist (4)

Approved by

*Supot S.*

Supot Salamteh  
Section Head

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## Analysis / Test Report

TESTING  
No.0042

**Client :** Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140

**P/O :** RJN(2)-004/066

**Project Name :** Pluak Daeng

**Project Location :**

**Lot ID: 23115910**

Date Received : Nov 03, 2023

Date Reported : Nov 08, 2023

Report Number: 2829652-1

Page 1 of 1

**Sample Number** 23115910-2  
**Parameter** Noise (Leq 24 hrs.)  
**Location** บ้านวังดาลหมอน (N1) (GPS 47P 0734063, 1432127)  
**Measurement Date** Oct 28 - Oct 29, 2023  
**Measurement by** Saknarin Jaraskay  
**Sound Level meter** Serial No. 296518

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	59.6	78.4	50.0
12:00 PM - 01:00 PM	58.0	83.8	46.8
01:00 PM - 02:00 PM	62.8	86.9	60.3
02:00 PM - 03:00 PM	59.4	86.0	49.9
03:00 PM - 04:00 PM	56.6	79.9	50.4
04:00 PM - 05:00 PM	61.2	81.4	50.3
05:00 PM - 06:00 PM	61.1	83.1	52.3
06:00 PM - 07:00 PM	61.2	86.9	49.0
07:00 PM - 08:00 PM	56.5	79.6	47.6
08:00 PM - 09:00 PM	56.3	85.9	47.0
09:00 PM - 10:00 PM	58.7	82.9	44.9
10:00 PM - 11:00 PM	50.4	70.8	43.3
11:00 PM - 12:00 AM	48.4	69.3	42.3
12:00 AM - 01:00 AM	45.9	66.1	41.5
01:00 AM - 02:00 AM	47.7	73.4	42.7
02:00 AM - 03:00 AM	45.6	68.4	41.4
03:00 AM - 04:00 AM	45.4	64.7	42.5
04:00 AM - 05:00 AM	49.5	72.5	42.8
05:00 AM - 06:00 AM	55.2	75.2	48.0
06:00 AM - 07:00 AM	62.2	85.6	52.0
07:00 AM - 08:00 AM	62.2	80.7	53.8
08:00 AM - 09:00 AM	61.2	82.2	51.8
09:00 AM - 10:00 AM	60.4	80.8	49.7
10:00 AM - 11:00 AM	61.7	85.8	49.2

Leq Average 24 hrs. (dB(A)) 58.8  
Lmax (dB(A)) 86.9  
L90 (dB(A)) 48.0  
Ldn (dB(A)) 62.2  
Standard (dB(A)) 70 115

Reference Method : ISO1996-1 and 1996-2

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

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

Technical Management

*Thanita K.*

Thanita Kulsuriwong  
Scientist (4)

Approved by

*Supot S.*

Supot Salamteh  
Section Head

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## Analysis / Test Report

TESTING  
No.0042

**Client :** Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140

**P/O :** RJN(2)-004/066

**Project Name :** Pluak Daeng

**Project Location :**

**Lot ID: 23115910**

Date Received : Nov 03, 2023

Date Reported : Nov 08, 2023

Report Number: 2829653-1

Page 1 of 1

**Sample Number** 23115910-3  
**Parameter** Noise (Leq 24 hrs.)  
**Location** บ้านวังดาลหมอน (N1) (GPS 47P 0734063, 1432127)  
**Measurement Date** Oct 29 - Oct 30, 2023  
**Measurement by** Saknarin Jaraskay  
**Sound Level meter** Serial No. 296518

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	63.4	84.5	48.5
12:00 PM - 01:00 PM	61.5	82.8	48.0
01:00 PM - 02:00 PM	61.2	92.1	48.8
02:00 PM - 03:00 PM	63.6	83.7	49.9
03:00 PM - 04:00 PM	64.4	85.3	50.5
04:00 PM - 05:00 PM	63.4	86.9	49.7
05:00 PM - 06:00 PM	62.5	89.2	53.6
06:00 PM - 07:00 PM	57.5	80.8	50.3
07:00 PM - 08:00 PM	57.5	82.3	49.1
08:00 PM - 09:00 PM	57.6	79.6	49.5
09:00 PM - 10:00 PM	52.0	70.8	45.8
10:00 PM - 11:00 PM	51.5	73.3	45.0
11:00 PM - 12:00 AM	48.9	65.9	44.7
12:00 AM - 01:00 AM	48.1	66.6	44.1
01:00 AM - 02:00 AM	45.8	65.4	43.8
02:00 AM - 03:00 AM	47.0	66.0	43.9
03:00 AM - 04:00 AM	46.9	72.2	41.7
04:00 AM - 05:00 AM	50.1	69.3	42.0
05:00 AM - 06:00 AM	53.5	76.1	45.4
06:00 AM - 07:00 AM	59.2	80.7	50.8
07:00 AM - 08:00 AM	62.4	85.2	52.4
08:00 AM - 09:00 AM	61.0	80.6	50.4
09:00 AM - 10:00 AM	61.2	83.4	50.5
10:00 AM - 11:00 AM	62.0	86.4	50.7

Leq Average 24 hrs. (dB(A)) 59.9  
Lmax (dB(A)) 92.1  
L90 (dB(A)) 48.8  
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

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

Technical Management

*Thanita K.*

Thanita Kulsuriwong  
Scientist (4)

Approved by

*Supot S.*

Supot Salamteh  
Section Head

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## Analysis / Test Report

TESTING  
No.0042

**Client :** Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140

**P/O :** RJN(2)-004/066

**Project Name :** Pluak Daeng

**Project Location :**

**Lot ID: 23115910**

Date Received : Nov 03, 2023

Date Reported : Nov 08, 2023

Report Number: 2829654-1

Page 1 of 1

**Sample Number** 23115910-4  
**Parameter** Noise (Leq 24 hrs.)  
**Location** บ้านวังดาลหมอน (N1) (GPS 47P 0734063, 1432127)  
**Measurement Date** Oct 30 - Oct 31, 2023  
**Measurement by** Saknarin Jaraskay  
**Sound Level meter** Serial No. 296518

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	63.1	81.9	53.5
12:00 PM - 01:00 PM	61.5	87.3	50.3
01:00 PM - 02:00 PM	66.3	90.4	63.8
02:00 PM - 03:00 PM	61.0	82.2	53.0
03:00 PM - 04:00 PM	60.1	83.4	53.9
04:00 PM - 05:00 PM	63.6	84.9	53.6
05:00 PM - 06:00 PM	64.6	87.8	55.9
06:00 PM - 07:00 PM	62.1	85.8	52.5
07:00 PM - 08:00 PM	60.0	83.1	51.1
08:00 PM - 09:00 PM	59.8	89.4	50.5
09:00 PM - 10:00 PM	62.2	86.4	48.4
10:00 PM - 11:00 PM	53.9	74.3	46.8
11:00 PM - 12:00 AM	51.6	72.8	45.3
12:00 AM - 01:00 AM	48.3	68.5	43.9
01:00 AM - 02:00 AM	50.1	75.8	45.1
02:00 AM - 03:00 AM	48.0	70.8	43.8
03:00 AM - 04:00 AM	47.8	67.1	44.9
04:00 AM - 05:00 AM	51.9	74.9	45.2
05:00 AM - 06:00 AM	57.6	77.6	50.4
06:00 AM - 07:00 AM	64.6	88.0	54.4
07:00 AM - 08:00 AM	64.6	83.1	56.2
08:00 AM - 09:00 AM	63.6	84.6	54.2
09:00 AM - 10:00 AM	62.8	83.2	52.1
10:00 AM - 11:00 AM	62.3	84.5	51.4

Leq Average 24 hrs. (dB(A)) 61.4  
Lmax (dB(A)) 90.4  
L90 (dB(A)) 51.1  
Ldn (dB(A)) 64.8  
Standard (dB(A)) 70 115

Reference Method : ISO1996-1 and 1996-2

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

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

Technical Management

*Thanita K.*

Thanita Kulsuriwong  
Scientist (4)

Approved by

*Supot S.*

Supot Salamteh  
Section Head

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## Analysis / Test Report

TESTING  
No.0042

**Client :** Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140

**P/O :** RJN(2)-004/066

**Project Name :** Pluak Daeng

**Project Location :**

**Lot ID: 23115910**

Date Received : Nov 03, 2023

Date Reported : Nov 08, 2023

Report Number: 2829655-1

Page 1 of 1

**Sample Number** 23115910-5  
**Parameter** Noise (Leq 24 hrs.)  
**Location** บ้านวังดาลหมอน (N1) (GPS 47P 0734063, 1432127)  
**Measurement Date** Oct 31 - Nov 01, 2023  
**Measurement by** Saknarin Jaraskay  
**Sound Level meter** Serial No. 296518

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	62.0	83.1	47.1
12:00 PM - 01:00 PM	60.1	81.4	46.6
01:00 PM - 02:00 PM	59.8	90.7	47.4
02:00 PM - 03:00 PM	62.2	82.3	48.5
03:00 PM - 04:00 PM	63.0	83.9	49.1
04:00 PM - 05:00 PM	62.0	85.5	48.3
05:00 PM - 06:00 PM	61.1	87.8	52.2
06:00 PM - 07:00 PM	56.1	79.4	48.9
07:00 PM - 08:00 PM	56.1	80.9	47.7
08:00 PM - 09:00 PM	56.2	78.2	48.1
09:00 PM - 10:00 PM	50.6	69.4	44.4
10:00 PM - 11:00 PM	50.1	71.9	43.6
11:00 PM - 12:00 AM	47.5	64.5	43.3
12:00 AM - 01:00 AM	46.7	65.2	42.7
01:00 AM - 02:00 AM	44.0	64.0	42.0
02:00 AM - 03:00 AM	44.8	63.8	41.7
03:00 AM - 04:00 AM	44.7	70.0	39.5
04:00 AM - 05:00 AM	47.9	67.1	39.8
05:00 AM - 06:00 AM	51.3	73.9	43.2
06:00 AM - 07:00 AM	57.0	78.5	48.6
07:00 AM - 08:00 AM	60.2	83.0	50.2
08:00 AM - 09:00 AM	58.8	78.4	48.2
09:00 AM - 10:00 AM	59.0	81.2	48.3
10:00 AM - 11:00 AM	59.8	84.2	48.5

Leq Average 24 hrs. (dB(A)) 58.2  
Lmax (dB(A)) 90.7  
L90 (dB(A)) 47.4  
Ldn (dB(A)) 60.1  
Standard (dB(A)) 70 115

Reference Method : ISO1996-1 and 1996-2

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

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

Technical Management

*Thanita K.*

Thanita Kulsuriwong  
Scientist (4)

Approved by

*Supot S.*

Supot Salamteh  
Section Head

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## Analysis / Test Report

TESTING  
No.0042

**Client :** Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140

**P/O :** RJN(2)-004/066

**Project Name :** Pluak Daeng

**Project Location :**

**Lot ID: 23115910**

Date Received : Nov 03, 2023

Date Reported : Nov 08, 2023

Report Number: 2829656-1

Page 1 of 1

**Sample Number** 23115910-6  
**Parameter** Noise (Leq 24 hrs.)  
**Location** บ้านวังดาลหมอน (N1) (GPS 47P 0734063, 1432127)  
**Measurement Date** Nov 01 - Nov 02, 2023  
**Measurement by** Saknarin Jaraskay  
**Sound Level meter** Serial No. 296518

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	61.2	82.3	46.3
12:00 PM - 01:00 PM	59.3	80.6	45.8
01:00 PM - 02:00 PM	59.0	89.9	46.6
02:00 PM - 03:00 PM	61.4	81.5	47.7
03:00 PM - 04:00 PM	62.2	83.1	48.3
04:00 PM - 05:00 PM	61.2	84.7	47.5
05:00 PM - 06:00 PM	60.3	87.0	51.4
06:00 PM - 07:00 PM	55.3	78.6	48.1
07:00 PM - 08:00 PM	55.3	80.1	46.9
08:00 PM - 09:00 PM	55.4	77.4	47.3
09:00 PM - 10:00 PM	49.8	68.6	43.6
10:00 PM - 11:00 PM	49.3	71.1	42.8
11:00 PM - 12:00 AM	46.7	63.7	42.5
12:00 AM - 01:00 AM	45.9	64.4	41.9
01:00 AM - 02:00 AM	43.6	63.2	41.6
02:00 AM - 03:00 AM	44.8	63.8	41.7
03:00 AM - 04:00 AM	44.7	70.0	39.5
04:00 AM - 05:00 AM	47.9	67.1	39.8
05:00 AM - 06:00 AM	51.3	73.9	43.2
06:00 AM - 07:00 AM	57.0	78.5	48.6
07:00 AM - 08:00 AM	60.2	83.0	50.2
08:00 AM - 09:00 AM	58.8	78.4	48.2
09:00 AM - 10:00 AM	59.0	81.2	48.3
10:00 AM - 11:00 AM	59.8	84.2	48.5

Leq Average 24 hrs. (dB(A)) 57.7  
Lmax (dB(A)) 89.9  
L90 (dB(A)) 46.6  
Ldn (dB(A)) 59.7  
Standard (dB(A)) 70 115

Reference Method : ISO1996-1 and 1996-2

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

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

Technical Management

*Thanita K.*

Thanita Kulsuriwong  
Scientist (4)

Approved by

*Supot S.*

Supot Salamteh  
Section Head

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## Analysis / Test Report

TESTING  
No.0042

**Client :** Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140

**P/O :** RJN(2)-004/066

**Project Name :** Pluak Daeng

**Project Location :**

**Lot ID: 23115910**

Date Received : Nov 03, 2023

Date Reported : Nov 08, 2023

Report Number: 2829657-1

Page 1 of 1

**Sample Number** 23115910-7  
**Parameter** Noise (Leq 24 hrs.)  
**Location** บ้านวังดาลหมอน (N1) (GPS 47P 0734063, 1432127)  
**Measurement Date** Nov 02 - Nov 03, 2023  
**Measurement by** Saknarin Jaraskay  
**Sound Level meter** Serial No. 296518

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	57.6	76.4	48.5
12:00 PM - 01:00 PM	56.6	82.3	45.4
01:00 PM - 02:00 PM	61.5	85.4	58.8
02:00 PM - 03:00 PM	57.6	84.5	48.5
03:00 PM - 04:00 PM	55.2	78.4	48.8
04:00 PM - 05:00 PM	59.8	80.9	49.7
05:00 PM - 06:00 PM	61.8	91.4	50.3
06:00 PM - 07:00 PM	59.4	85.4	47.3
07:00 PM - 08:00 PM	54.8	78.1	45.8
08:00 PM - 09:00 PM	54.9	84.4	45.5
09:00 PM - 10:00 PM	57.2	81.4	43.3
10:00 PM - 11:00 PM	48.9	69.3	41.8
11:00 PM - 12:00 AM	46.9	67.5	40.7
12:00 AM - 01:00 AM	44.2	62.2	40.0
01:00 AM - 02:00 AM	46.1	71.9	41.3
02:00 AM - 03:00 AM	43.8	66.9	39.6
03:00 AM - 04:00 AM	44.7	68.7	41.2
04:00 AM - 05:00 AM	47.9	71.0	41.6
05:00 AM - 06:00 AM	52.7	72.7	45.5
06:00 AM - 07:00 AM	59.7	83.1	49.5
07:00 AM - 08:00 AM	59.7	78.2	51.3
08:00 AM - 09:00 AM	59.4	79.7	50.2
09:00 AM - 10:00 AM	59.0	79.4	48.3
10:00 AM - 11:00 AM	60.3	84.4	47.8

Leq Average 24 hrs. (dB(A)) 57.3  
Lmax (dB(A)) 91.4  
L90 (dB(A)) 45.8  
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

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

Technical Management

*Thanita K.*

Thanita Kulsuriwong  
Scientist (4)

Approved by

*Supot S.*

Supot Salamteh  
Section Head

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## Analysis / Test Report

TESTING  
No.0042

**Client :** Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140

**P/O :** RJN(2)-004/066

**Project Name :** Pluak Daeng

**Project Location :**

**Lot ID: 23115910**

Date Received : Nov 03, 2023

Date Reported : Nov 08, 2023

Report Number: 2829658-1

Page 1 of 1

**Sample Number** 23115910-8  
**Parameter** Noise (Leq 24 hrs.)  
**Location** บ้านพักอาศัย หมู่ 2 ซ.มาบยางพร 15 (N2) (GPS 47P 0733642, 1434006)  
**Measurement Date** Oct 27 - Oct 28, 2023  
**Measurement by** Saknarin Jaraskay  
**Sound Level meter** Serial No. 597167

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	57.8	82.7	41.7
12:00 PM - 01:00 PM	60.4	86.9	44.1
01:00 PM - 02:00 PM	60.8	86.4	41.0
02:00 PM - 03:00 PM	59.9	86.6	41.0
03:00 PM - 04:00 PM	56.1	78.0	41.2
04:00 PM - 05:00 PM	56.6	79.9	41.7
05:00 PM - 06:00 PM	60.5	82.6	46.0
06:00 PM - 07:00 PM	58.3	81.1	46.6
07:00 PM - 08:00 PM	59.3	82.2	45.0
08:00 PM - 09:00 PM	58.2	81.8	44.3
09:00 PM - 10:00 PM	54.2	82.8	42.2
10:00 PM - 11:00 PM	52.4	77.5	39.2
11:00 PM - 12:00 AM	48.9	74.7	39.5
12:00 AM - 01:00 AM	50.2	71.5	40.7
01:00 AM - 02:00 AM	47.8	72.5	43.0
02:00 AM - 03:00 AM	46.3	68.7	42.6
03:00 AM - 04:00 AM	47.1	73.5	38.7
04:00 AM - 05:00 AM	51.5	74.1	41.3
05:00 AM - 06:00 AM	54.9	83.7	42.6
06:00 AM - 07:00 AM	59.9	83.0	47.0
07:00 AM - 08:00 AM	62.5	81.8	51.9
08:00 AM - 09:00 AM	62.2	87.6	43.2
09:00 AM - 10:00 AM	62.1	85.3	41.5
10:00 AM - 11:00 AM	62.1	85.6	42.9

Leq Average 24 hrs. (dB(A)) 58.5  
Lmax (dB(A)) 87.6  
L90 (dB(A)) 42.2  
Ldn (dB(A)) 61.6  
Standard (dB(A)) 70 115

Reference Method : ISO1996-1 and 1996-2

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

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

Technical Management

*Thanita K.*

Thanita Kulsuriwong  
Scientist (4)

Approved by

*Supot S.*

Supot Salamteh  
Section Head

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## Analysis / Test Report

TESTING  
No.0042

**Client :** Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140

**P/O :** RJN(2)-004/066

**Project Name :** Pluak Daeng

**Project Location :**

**Lot ID: 23115910**

Date Received : Nov 03, 2023

Date Reported : Nov 08, 2023

Report Number: 2829659-1

Page 1 of 1

**Sample Number** 23115910-9  
**Parameter** Noise (Leq 24 hrs.)  
**Location** บ้านพักอาศัย หมู่ 2 ซ.มาบยางพร 15 (N2) (GPS 47P 0733642, 1434006)  
**Measurement Date** Oct 28 - Oct 29, 2023  
**Measurement by** Saknarin Jaraskay  
**Sound Level meter** Serial No. 597167

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	63.9	86.3	43.3
12:00 PM - 01:00 PM	63.1	84.1	42.9
01:00 PM - 02:00 PM	64.1	86.9	40.6
02:00 PM - 03:00 PM	64.0	88.1	40.2
03:00 PM - 04:00 PM	63.5	86.9	42.0
04:00 PM - 05:00 PM	62.7	83.9	53.4
05:00 PM - 06:00 PM	61.3	84.9	48.9
06:00 PM - 07:00 PM	58.1	84.5	45.8
07:00 PM - 08:00 PM	59.7	85.2	45.4
08:00 PM - 09:00 PM	57.9	78.1	42.5
09:00 PM - 10:00 PM	52.2	71.6	39.6
10:00 PM - 11:00 PM	50.8	75.6	38.8
11:00 PM - 12:00 AM	46.0	70.0	36.4
12:00 AM - 01:00 AM	46.0	66.9	35.6
01:00 AM - 02:00 AM	46.7	68.9	35.4
02:00 AM - 03:00 AM	43.3	68.4	34.6
03:00 AM - 04:00 AM	44.0	71.0	34.4
04:00 AM - 05:00 AM	48.5	72.2	35.0
05:00 AM - 06:00 AM	53.0	69.6	37.9
06:00 AM - 07:00 AM	60.5	91.5	44.7
07:00 AM - 08:00 AM	62.2	83.7	50.2
08:00 AM - 09:00 AM	61.1	85.9	40.9
09:00 AM - 10:00 AM	61.9	87.2	39.1
10:00 AM - 11:00 AM	60.4	85.6	37.5

Leq Average 24 hrs. (dB(A)) 60.1  
Lmax (dB(A)) 91.5  
L90 (dB(A)) 40.2  
Ldn (dB(A)) 62.2  
Standard (dB(A)) 70 115

Reference Method : ISO1996-1 and 1996-2

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

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

Technical Management

*Thanita K.*

Thanita Kulsuriwong  
Scientist (4)

Approved by

*Supot S.*

Supot Salamteh  
Section Head

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## Analysis / Test Report

TESTING  
No.0042

**Client :** Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140

**P/O :** RJN(2)-004/066

**Project Name :** Pluak Daeng

**Project Location :**

**Lot ID: 23115910**

Date Received : Nov 03, 2023

Date Reported : Nov 08, 2023

Report Number: 2829660-1

Page 1 of 1

**Sample Number** 23115910-10  
**Parameter** Noise (Leq 24 hrs.)  
**Location** บ้านพักอาศัย หมู่ 2 ซ.มาบยางพร 15 (N2) (GPS 47P 0733642, 1434006)  
**Measurement Date** Oct 29 - Oct 30, 2023  
**Measurement by** Saknarin Jaraskay  
**Sound Level meter** Serial No. 597167

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	58.6	83.5	42.5
12:00 PM - 01:00 PM	61.2	87.7	44.9
01:00 PM - 02:00 PM	61.6	87.2	41.8
02:00 PM - 03:00 PM	60.7	87.4	41.8
03:00 PM - 04:00 PM	56.9	78.8	42.0
04:00 PM - 05:00 PM	57.4	80.7	42.5
05:00 PM - 06:00 PM	61.3	83.4	46.8
06:00 PM - 07:00 PM	59.1	81.9	47.4
07:00 PM - 08:00 PM	60.1	83.0	45.8
08:00 PM - 09:00 PM	59.0	82.6	45.1
09:00 PM - 10:00 PM	55.0	83.6	43.0
10:00 PM - 11:00 PM	53.2	78.3	40.0
11:00 PM - 12:00 AM	49.7	75.5	40.3
12:00 AM - 01:00 AM	51.0	72.3	41.5
01:00 AM - 02:00 AM	48.6	73.3	43.8
02:00 AM - 03:00 AM	47.1	69.5	43.4
03:00 AM - 04:00 AM	47.9	74.3	39.5
04:00 AM - 05:00 AM	52.3	74.9	42.1
05:00 AM - 06:00 AM	55.7	84.5	43.4
06:00 AM - 07:00 AM	60.7	83.8	47.8
07:00 AM - 08:00 AM	63.1	82.4	52.5
08:00 AM - 09:00 AM	62.8	88.2	43.8
09:00 AM - 10:00 AM	62.7	85.9	42.1
10:00 AM - 11:00 AM	62.7	86.2	43.5

Leq Average 24 hrs. (dB(A)) 59.2  
Lmax (dB(A)) 88.2  
L90 (dB(A)) 43.0  
Ldn (dB(A)) 62.3  
Standard (dB(A)) 70 115

Reference Method : ISO1996-1 and 1996-2

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

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

Technical Management

*Thanita K.*

Thanita Kulsuriwong  
Scientist (4)

Approved by

*Supot S.*

Supot Salamteh  
Section Head

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## Analysis / Test Report

TESTING  
No.0042

**Client :** Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140

**P/O :** RJN(2)-004/066

**Project Name :** Pluak Daeng

**Project Location :**

**Lot ID: 23115910**

Date Received : Nov 03, 2023

Date Reported : Nov 08, 2023

Report Number: 2829661-1

Page 1 of 1

**Sample Number** 23115910-11  
**Parameter** Noise (Leq 24 hrs.)  
**Location** บ้านพักอาศัย หมู่ 2 ซ.มาบยางพร 15 (N2) (GPS 47P 0733642, 1434006)  
**Measurement Date** Oct 30 - Oct 31, 2023  
**Measurement by** Saknarin Jaraskay  
**Sound Level meter** Serial No. 597167

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	64.5	86.9	43.9
12:00 PM - 01:00 PM	63.7	84.7	43.5
01:00 PM - 02:00 PM	64.7	87.5	41.2
02:00 PM - 03:00 PM	64.6	88.7	40.8
03:00 PM - 04:00 PM	64.1	87.5	42.6
04:00 PM - 05:00 PM	63.3	84.5	54.0
05:00 PM - 06:00 PM	61.9	85.5	49.5
06:00 PM - 07:00 PM	58.7	85.1	46.4
07:00 PM - 08:00 PM	60.9	86.4	46.6
08:00 PM - 09:00 PM	59.1	79.3	43.7
09:00 PM - 10:00 PM	53.4	72.8	40.8
10:00 PM - 11:00 PM	52.0	76.8	40.0
11:00 PM - 12:00 AM	47.2	71.2	37.6
12:00 AM - 01:00 AM	47.2	68.1	36.8
01:00 AM - 02:00 AM	47.9	70.1	36.6
02:00 AM - 03:00 AM	44.5	69.6	35.8
03:00 AM - 04:00 AM	45.2	72.2	35.6
04:00 AM - 05:00 AM	49.7	73.4	36.2
05:00 AM - 06:00 AM	54.2	70.8	39.1
06:00 AM - 07:00 AM	61.7	92.7	45.9
07:00 AM - 08:00 AM	63.4	84.9	51.4
08:00 AM - 09:00 AM	62.3	87.1	42.1
09:00 AM - 10:00 AM	63.2	88.5	40.4
10:00 AM - 11:00 AM	61.7	86.9	38.8

Leq Average 24 hrs. (dB(A)) 61.0  
Lmax (dB(A)) 92.7  
L90 (dB(A)) 40.8  
Ldn (dB(A)) 63.2  
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

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

Technical Management

*Thanita K.*

Thanita Kulsuriwong  
Scientist (4)

Approved by

*Supot S.*

Supot Salamteh  
Section Head

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## Analysis / Test Report

TESTING  
No.0042

**Client :** Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140

**P/O :** RJN(2)-004/066

**Project Name :** Pluak Daeng

**Project Location :**

**Lot ID: 23115910**

Date Received : Nov 03, 2023

Date Reported : Nov 08, 2023

Report Number: 2829662-1

Page 1 of 1

**Sample Number** 23115910-12  
**Parameter** Noise (Leq 24 hrs.)  
**Location** บ้านพักอาศัย หมู่ 2 ซ.มาบยางพร 15 (N2) (GPS 47P 0733642, 1434006)  
**Measurement Date** Oct 31 - Nov 01, 2023  
**Measurement by** Saknarin Jaraskay  
**Sound Level meter** Serial No. 597167

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	60.0	84.9	43.9
12:00 PM - 01:00 PM	62.6	89.1	46.3
01:00 PM - 02:00 PM	63.0	88.6	43.2
02:00 PM - 03:00 PM	62.1	88.8	43.2
03:00 PM - 04:00 PM	58.3	80.2	43.4
04:00 PM - 05:00 PM	58.8	82.1	43.9
05:00 PM - 06:00 PM	62.7	84.8	48.2
06:00 PM - 07:00 PM	60.5	83.3	48.8
07:00 PM - 08:00 PM	61.5	84.4	47.2
08:00 PM - 09:00 PM	60.4	84.0	46.5
09:00 PM - 10:00 PM	56.4	85.0	44.4
10:00 PM - 11:00 PM	54.6	79.7	41.4
11:00 PM - 12:00 AM	51.1	76.9	41.7
12:00 AM - 01:00 AM	52.4	73.7	42.9
01:00 AM - 02:00 AM	50.0	74.7	45.2
02:00 AM - 03:00 AM	48.5	70.9	44.8
03:00 AM - 04:00 AM	49.3	75.7	40.9
04:00 AM - 05:00 AM	53.7	76.3	43.5
05:00 AM - 06:00 AM	57.1	85.9	44.8
06:00 AM - 07:00 AM	62.1	85.2	49.2
07:00 AM - 08:00 AM	64.5	83.8	53.9
08:00 AM - 09:00 AM	64.2	89.6	45.2
09:00 AM - 10:00 AM	64.1	87.3	43.5
10:00 AM - 11:00 AM	64.1	87.6	44.9

Leq Average 24 hrs. (dB(A)) 60.6  
Lmax (dB(A)) 89.6  
L90 (dB(A)) 44.4  
Ldn (dB(A)) 63.7  
Standard (dB(A)) 70 115

Reference Method : ISO1996-1 and 1996-2

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

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

Technical Management

*Thanita K.*

Thanita Kulsuriwong  
Scientist (4)

Approved by

*Supot S.*

Supot Salamteh  
Section Head

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## Analysis / Test Report

TESTING  
No.0042

**Client :** Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140

**P/O :** RJN(2)-004/066

**Project Name :** Pluak Daeng

**Project Location :**

**Lot ID: 23115910**

Date Received : Nov 03, 2023

Date Reported : Nov 08, 2023

Report Number: 2829663-1

Page 1 of 1

**Sample Number** 23115910-13  
**Parameter** Noise (Leq 24 hrs.)  
**Location** บ้านพักอาศัย หมู่ 2 ซ.มาบยางพร 15 (N2) (GPS 47P 0733642, 1434006)  
**Measurement Date** Nov 01 - Nov 02, 2023  
**Measurement by** Saknarin Jaraskay  
**Sound Level meter** Serial No. 597167

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	65.9	88.3	45.3
12:00 PM - 01:00 PM	65.1	86.1	44.9
01:00 PM - 02:00 PM	66.1	88.9	42.6
02:00 PM - 03:00 PM	66.0	90.1	42.2
03:00 PM - 04:00 PM	65.5	88.9	44.0
04:00 PM - 05:00 PM	64.7	85.9	55.4
05:00 PM - 06:00 PM	63.3	86.9	50.9
06:00 PM - 07:00 PM	60.1	86.5	47.8
07:00 PM - 08:00 PM	62.3	87.8	48.0
08:00 PM - 09:00 PM	60.5	80.7	45.1
09:00 PM - 10:00 PM	54.8	74.2	42.2
10:00 PM - 11:00 PM	53.4	78.2	41.4
11:00 PM - 12:00 AM	48.6	72.6	39.0
12:00 AM - 01:00 AM	48.6	69.5	38.2
01:00 AM - 02:00 AM	49.3	71.5	38.0
02:00 AM - 03:00 AM	45.9	71.0	37.2
03:00 AM - 04:00 AM	46.6	73.6	37.0
04:00 AM - 05:00 AM	51.1	74.8	37.6
05:00 AM - 06:00 AM	55.6	72.2	40.5
06:00 AM - 07:00 AM	63.1	94.1	47.3
07:00 AM - 08:00 AM	64.8	86.3	52.8
08:00 AM - 09:00 AM	63.8	88.6	43.5
09:00 AM - 10:00 AM	64.7	90.0	41.9
10:00 AM - 11:00 AM	63.2	88.4	40.3

Leq Average 24 hrs. (dB(A)) 62.4  
Lmax (dB(A)) 94.1  
L90 (dB(A)) 42.2  
Ldn (dB(A)) 64.6  
Standard (dB(A)) 70 115

Reference Method : ISO1996-1 and 1996-2

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

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

Technical Management

*Thanita K.*

Thanita Kulsuriwong  
Scientist (4)

Approved by

*Supot S.*

Supot Salamteh  
Section Head

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## Analysis / Test Report

TESTING  
No.0042

**Client :** Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140

**P/O :** RJN(2)-004/066

**Project Name :** Pluak Daeng

**Project Location :**

**Lot ID: 23115910**

Date Received : Nov 03, 2023

Date Reported : Nov 08, 2023

Report Number: 2829664-1

Page 1 of 1

**Sample Number** 23115910-14  
**Parameter** Noise (Leq 24 hrs.)  
**Location** บ้านพักอาศัย หมู่ 2 ซ.มาบยางพร 15 (N2) (GPS 47P 0733642, 1434006)  
**Measurement Date** Nov 02 - Nov 03, 2023  
**Measurement by** Saknarin Jaraskay  
**Sound Level meter** Serial No. 597167

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	57.5	82.4	41.4
12:00 PM - 01:00 PM	60.1	86.6	43.8
01:00 PM - 02:00 PM	60.5	86.1	40.7
02:00 PM - 03:00 PM	59.6	86.3	40.7
03:00 PM - 04:00 PM	55.8	77.7	40.9
04:00 PM - 05:00 PM	56.3	79.6	41.4
05:00 PM - 06:00 PM	60.2	82.3	45.7
06:00 PM - 07:00 PM	58.0	80.8	46.3
07:00 PM - 08:00 PM	59.0	81.9	44.7
08:00 PM - 09:00 PM	57.9	81.5	44.0
09:00 PM - 10:00 PM	53.9	82.5	41.9
10:00 PM - 11:00 PM	52.1	77.2	38.9
11:00 PM - 12:00 AM	48.6	74.4	39.2
12:00 AM - 01:00 AM	49.9	71.2	40.4
01:00 AM - 02:00 AM	47.5	72.2	42.7
02:00 AM - 03:00 AM	46.0	68.4	42.3
03:00 AM - 04:00 AM	46.8	73.2	38.4
04:00 AM - 05:00 AM	51.2	73.8	41.0
05:00 AM - 06:00 AM	54.6	83.4	42.3
06:00 AM - 07:00 AM	59.6	82.7	46.7
07:00 AM - 08:00 AM	62.0	81.3	51.4
08:00 AM - 09:00 AM	60.6	86.2	44.5
09:00 AM - 10:00 AM	63.2	90.4	47.5
10:00 AM - 11:00 AM	64.1	89.9	45.5

Leq Average 24 hrs. (dB(A)) 58.5  
Lmax (dB(A)) 90.4  
L90 (dB(A)) 42.3  
Ldn (dB(A)) 61.4  
Standard (dB(A)) 70 115

Reference Method : ISO1996-1 and 1996-2

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

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

Technical Management

*Thanita K.*

Thanita Kulsuriwong  
Scientist (4)

Approved by

*Supot S.*

Supot Salamteh  
Section Head

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## Analysis / Test Report

Client : Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140  
P/O : RJN(2)-004/066  
Project Name : Pluak Daeng  
Project Location :

Lot ID: 23115911  
Date Received : Nov 03, 2023  
Date Reported : Nov 07, 2023  
Report Number : 2828274-1

Page 1 of 3

Sample Number : 23115911-1  
Parameter : Noise Level (Leq 5 min)  
Location : บ้านวังตาลหมอน (N1) (GPS 47P 0734063, 1432127)  
Measurement Date : Oct 27 - Oct 28, 2023  
Measurement by : Saknarin Jaraskay  
Sound Level meter : Serial No. 00296518

Oct 27, 2023 Time	Leq dB(A)	L90 dB(A)	Oct 27, 2023 Time	Leq dB(A)	L90 dB(A)	Oct 27, 2023 Time	Leq dB(A)	L90 dB(A)
11:00 AM - 11:05 AM	65.2	49.9	01:40 PM - 01:45 PM	55.7	46.2	04:20 PM - 04:25 PM	56.3	42.7
11:05 AM - 11:10 AM	48.6	42.4	01:45 PM - 01:50 PM	51.8	43.4	04:25 PM - 04:30 PM	63.7	48.1
11:10 AM - 11:15 AM	61.3	44.9	01:50 PM - 01:55 PM	51.5	41.9	04:30 PM - 04:35 PM	60.8	44.8
11:15 AM - 11:20 AM	60.9	43.4	01:55 PM - 02:00 PM	51.1	44.0	04:35 PM - 04:40 PM	57.7	44.7
11:20 AM - 11:25 AM	51.5	45.3	02:00 PM - 02:05 PM	62.0	47.8	04:40 PM - 04:45 PM	57.5	45.4
11:25 AM - 11:30 AM	61.6	44.1	02:05 PM - 02:10 PM	54.2	47.5	04:45 PM - 04:50 PM	62.3	49.0
11:30 AM - 11:35 AM	53.9	45.0	02:10 PM - 02:15 PM	63.4	46.5	04:50 PM - 04:55 PM	61.6	46.9
11:35 AM - 11:40 AM	48.8	41.3	02:15 PM - 02:20 PM	56.3	46.8	04:55 PM - 05:00 PM	59.1	49.0
11:40 AM - 11:45 AM	62.6	43.0	02:20 PM - 02:25 PM	56.7	44.4	05:00 PM - 05:05 PM	57.7	53.2
11:45 AM - 11:50 AM	57.5	44.8	02:25 PM - 02:30 PM	55.6	44.8	05:05 PM - 05:10 PM	58.2	50.7
11:50 AM - 11:55 AM	59.1	43.3	02:30 PM - 02:35 PM	62.7	45.2	05:10 PM - 05:15 PM	59.8	50.7
11:55 AM - 12:00 PM	58.5	45.7	02:35 PM - 02:40 PM	58.6	46.1	05:15 PM - 05:20 PM	59.6	49.6
12:00 PM - 12:05 PM	64.8	45.8	02:40 PM - 02:45 PM	57.6	44.5	05:20 PM - 05:25 PM	55.8	50.7
12:05 PM - 12:10 PM	60.7	44.9	02:45 PM - 02:50 PM	63.5	48.2	05:25 PM - 05:30 PM	54.1	50.8
12:10 PM - 12:15 PM	57.3	46.4	02:50 PM - 02:55 PM	52.5	45.1	05:30 PM - 05:35 PM	59.2	51.7
12:15 PM - 12:20 PM	54.3	42.0	02:55 PM - 03:00 PM	61.2	47.3	05:35 PM - 05:40 PM	57.5	49.7
12:20 PM - 12:25 PM	47.1	41.4	03:00 PM - 03:05 PM	59.6	47.1	05:40 PM - 05:45 PM	54.6	46.5
12:25 PM - 12:30 PM	56.0	44.7	03:05 PM - 03:10 PM	54.7	42.3	05:45 PM - 05:50 PM	55.4	47.3
12:30 PM - 12:35 PM	52.9	43.9	03:10 PM - 03:15 PM	65.7	45.3	05:50 PM - 05:55 PM	65.1	48.0
12:35 PM - 12:40 PM	48.5	42.7	03:15 PM - 03:20 PM	54.4	44.1	05:55 PM - 06:00 PM	57.1	46.2
12:40 PM - 12:45 PM	48.6	42.8	03:20 PM - 03:25 PM	56.5	43.7	06:00 PM - 06:05 PM	54.1	45.8
12:45 PM - 12:50 PM	52.0	43.6	03:25 PM - 03:30 PM	61.2	46.0	06:05 PM - 06:10 PM	55.8	45.7
12:50 PM - 12:55 PM	61.2	47.5	03:30 PM - 03:35 PM	51.9	45.7	06:10 PM - 06:15 PM	50.6	44.3
12:55 PM - 01:00 PM	55.4	44.1	03:35 PM - 03:40 PM	60.0	46.3	06:15 PM - 06:20 PM	51.7	47.5
01:00 PM - 01:05 PM	58.0	45.4	03:40 PM - 03:45 PM	63.7	44.8	06:20 PM - 06:25 PM	55.4	47.4
01:05 PM - 01:10 PM	63.8	45.6	03:45 PM - 03:50 PM	63.7	51.5	06:25 PM - 06:30 PM	53.3	47.5
01:10 PM - 01:15 PM	58.0	45.0	03:50 PM - 03:55 PM	60.6	50.9	06:30 PM - 06:35 PM	57.5	47.7
01:15 PM - 01:20 PM	58.2	45.7	03:55 PM - 04:00 PM	58.4	45.2	06:35 PM - 06:40 PM	51.3	46.5
01:20 PM - 01:25 PM	58.6	45.4	04:00 PM - 04:05 PM	51.5	44.3	06:40 PM - 06:45 PM	51.7	46.9
01:25 PM - 01:30 PM	56.1	48.4	04:05 PM - 04:10 PM	55.6	45.0	06:45 PM - 06:50 PM	52.6	46.2
01:30 PM - 01:35 PM	54.6	43.9	04:10 PM - 04:15 PM	56.9	44.7	06:50 PM - 06:55 PM	53.5	46.9
01:35 PM - 01:40 PM	57.6	45.4	04:15 PM - 04:20 PM	62.2	44.8	06:55 PM - 07:00 PM	54.7	47.7

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Approved by

Sarayuth Jittrantont  
Assistant General Manager



## Analysis / Test Report

Client : Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140  
P/O : RJN(2)-004/066  
Project Name : Pluak Daeng  
Project Location :

Lot ID: 23115911  
Date Received : Nov 03, 2023  
Date Reported : Nov 07, 2023  
Report Number : 2828274-1

Page 2 of 3

Sample Number 23115911-1  
Parameter Noise Level (Leq 5 min)  
Location บ้านวังตาลหมอน (N1) (GPS 47P 0734063, 1432127)  
Measurement Date Oct 27 - Oct 28, 2023  
Measurement by Saknarin Jaraskay  
Sound Level meter Serial No. 00296518

Oct 27, 2023	Leq	L90	Oct 27 - Oct 28, 2023	Leq	L90	Oct 28, 2023	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
07:00 PM - 07:05 PM	55.2	48.3	09:40 PM - 09:45 PM	45.1	40.8	12:20 AM - 12:25 AM	41.2	40.4
07:05 PM - 07:10 PM	54.7	46.1	09:45 PM - 09:50 PM	50.6	42.5	12:25 AM - 12:30 AM	45.6	40.8
07:10 PM - 07:15 PM	55.6	46.1	09:50 PM - 09:55 PM	47.5	41.9	12:30 AM - 12:35 AM	45.8	40.2
07:15 PM - 07:20 PM	53.2	45.6	09:55 PM - 10:00 PM	49.5	42.7	12:35 AM - 12:40 AM	42.4	39.9
07:20 PM - 07:25 PM	52.7	45.1	10:00 PM - 10:05 PM	47.5	42.5	12:40 AM - 12:45 AM	45.2	40.6
07:25 PM - 07:30 PM	54.2	45.5	10:05 PM - 10:10 PM	44.8	41.7	12:45 AM - 12:50 AM	43.1	39.9
07:30 PM - 07:35 PM	52.6	45.1	10:10 PM - 10:15 PM	47.4	41.7	12:50 AM - 12:55 AM	46.7	40.3
07:35 PM - 07:40 PM	50.0	43.6	10:15 PM - 10:20 PM	45.1	41.2	12:55 AM - 01:00 AM	42.9	39.7
07:40 PM - 07:45 PM	56.3	46.3	10:20 PM - 10:25 PM	49.3	41.8	01:00 AM - 01:05 AM	42.9	40.5
07:45 PM - 07:50 PM	53.7	43.9	10:25 PM - 10:30 PM	46.7	41.4	01:05 AM - 01:10 AM	43.7	40.1
07:50 PM - 07:55 PM	55.0	45.3	10:30 PM - 10:35 PM	47.3	42.4	01:10 AM - 01:15 AM	41.3	39.8
07:55 PM - 08:00 PM	50.2	44.4	10:35 PM - 10:40 PM	50.4	41.6	01:15 AM - 01:20 AM	42.4	40.4
08:00 PM - 08:05 PM	54.5	45.8	10:40 PM - 10:45 PM	48.0	42.2	01:20 AM - 01:25 AM	41.5	40.4
08:05 PM - 08:10 PM	53.5	46.5	10:45 PM - 10:50 PM	52.0	41.1	01:25 AM - 01:30 AM	41.8	40.2
08:10 PM - 08:15 PM	52.3	46.5	10:50 PM - 10:55 PM	41.4	39.7	01:30 AM - 01:35 AM	41.5	40.4
08:15 PM - 08:20 PM	51.5	47.0	10:55 PM - 11:00 PM	47.2	40.1	01:35 AM - 01:40 AM	42.9	40.0
08:20 PM - 08:25 PM	54.5	46.4	11:00 PM - 11:05 PM	46.5	41.1	01:40 AM - 01:45 AM	41.7	40.6
08:25 PM - 08:30 PM	51.2	47.4	11:05 PM - 11:10 PM	49.6	42.2	01:45 AM - 01:50 AM	42.1	40.5
08:30 PM - 08:35 PM	53.7	46.6	11:10 PM - 11:15 PM	44.7	41.3	01:50 AM - 01:55 AM	42.8	40.7
08:35 PM - 08:40 PM	50.7	46.3	11:15 PM - 11:20 PM	44.3	40.8	01:55 AM - 02:00 AM	42.0	40.4
08:40 PM - 08:45 PM	51.8	43.8	11:20 PM - 11:25 PM	46.3	41.1	02:00 AM - 02:05 AM	41.2	40.4
08:45 PM - 08:50 PM	55.4	46.1	11:25 PM - 11:30 PM	43.8	41.7	02:05 AM - 02:10 AM	41.4	39.9
08:50 PM - 08:55 PM	52.3	43.1	11:30 PM - 11:35 PM	44.7	41.2	02:10 AM - 02:15 AM	43.9	40.8
08:55 PM - 09:00 PM	59.3	44.6	11:35 PM - 11:40 PM	43.6	41.5	02:15 AM - 02:20 AM	43.1	40.9
09:00 PM - 09:05 PM	46.9	42.9	11:40 PM - 11:45 PM	46.0	41.7	02:20 AM - 02:25 AM	43.3	41.2
09:05 PM - 09:10 PM	46.5	42.8	11:45 PM - 11:50 PM	44.6	41.0	02:25 AM - 02:30 AM	44.8	41.5
09:10 PM - 09:15 PM	47.5	43.3	11:50 PM - 11:55 PM	41.5	40.4	02:30 AM - 02:35 AM	42.8	39.9
09:15 PM - 09:20 PM	49.3	43.1	11:55 PM - 12:00 AM	42.9	40.5	02:35 AM - 02:40 AM	42.7	40.0
09:20 PM - 09:25 PM	50.3	42.7	12:00 AM - 12:05 AM	43.9	40.8	02:40 AM - 02:45 AM	43.8	40.4
09:25 PM - 09:30 PM	47.1	41.7	12:05 AM - 12:10 AM	46.0	41.6	02:45 AM - 02:50 AM	42.5	40.0
09:30 PM - 09:35 PM	48.5	41.6	12:10 AM - 12:15 AM	46.3	41.3	02:50 AM - 02:55 AM	47.0	40.1
09:35 PM - 09:40 PM	49.2	41.4	12:15 AM - 12:20 AM	42.0	40.7	02:55 AM - 03:00 AM	41.5	39.4

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Approved by

Sarayuth Jittrantont  
Assistant General Manager





## Analysis / Test Report

Client : Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140  
P/O : RJN(2)-004/066  
Project Name : Pluak Daeng  
Project Location :

Lot ID: 23115911  
Date Received : Nov 03, 2023  
Date Reported : Nov 07, 2023  
Report Number : 2828274-1

Page 3 of 3

Sample Number 23115911-1  
Parameter Noise Level (Leq 5 min)  
Location บ้านวังตาลหมอน (N1) (GPS 47P 0734063, 1432127)  
Measurement Date Oct 27 - Oct 28, 2023  
Measurement by Saknarin Jaraskay  
Sound Level meter Serial No. 00296518

Oct 28, 2023 Time	Leq dB(A)	L90 dB(A)	Oct 28, 2023 Time	Leq dB(A)	L90 dB(A)	Oct 28, 2023 Time	Leq dB(A)	L90 dB(A)
03:00 AM - 03:05 AM	51.4	39.7	05:40 AM - 05:45 AM	50.0	41.8	08:20 AM - 08:25 AM	59.7	48.5
03:05 AM - 03:10 AM	42.1	38.8	05:45 AM - 05:50 AM	47.4	42.0	08:25 AM - 08:30 AM	56.9	49.2
03:10 AM - 03:15 AM	40.4	38.8	05:50 AM - 05:55 AM	55.0	44.3	08:30 AM - 08:35 AM	52.3	46.8
03:15 AM - 03:20 AM	41.1	39.1	05:55 AM - 06:00 AM	52.2	43.8	08:35 AM - 08:40 AM	50.7	45.1
03:20 AM - 03:25 AM	42.3	38.3	06:00 AM - 06:05 AM	49.9	44.1	08:40 AM - 08:45 AM	58.1	46.4
03:25 AM - 03:30 AM	43.3	38.3	06:05 AM - 06:10 AM	50.7	43.3	08:45 AM - 08:50 AM	54.4	46.4
03:30 AM - 03:35 AM	38.6	37.7	06:10 AM - 06:15 AM	52.5	44.7	08:50 AM - 08:55 AM	52.4	44.1
03:35 AM - 03:40 AM	39.1	37.4	06:15 AM - 06:20 AM	53.1	44.2	08:55 AM - 09:00 AM	55.1	46.5
03:40 AM - 03:45 AM	38.9	37.2	06:20 AM - 06:25 AM	50.3	45.4	09:00 AM - 09:05 AM	56.8	48.7
03:45 AM - 03:50 AM	38.0	37.0	06:25 AM - 06:30 AM	51.9	45.8	09:05 AM - 09:10 AM	61.4	47.2
03:50 AM - 03:55 AM	39.9	37.6	06:30 AM - 06:35 AM	57.3	47.4	09:10 AM - 09:15 AM	54.9	43.2
03:55 AM - 04:00 AM	39.1	37.5	06:35 AM - 06:40 AM	55.3	47.2	09:15 AM - 09:20 AM	58.8	47.4
04:00 AM - 04:05 AM	41.5	37.5	06:40 AM - 06:45 AM	56.9	49.5	09:20 AM - 09:25 AM	53.2	46.3
04:05 AM - 04:10 AM	42.4	37.9	06:45 AM - 06:50 AM	53.8	48.2	09:25 AM - 09:30 AM	62.4	47.4
04:10 AM - 04:15 AM	43.9	37.2	06:50 AM - 06:55 AM	62.0	51.2	09:30 AM - 09:35 AM	54.6	47.1
04:15 AM - 04:20 AM	40.4	37.4	06:55 AM - 07:00 AM	55.6	48.6	09:35 AM - 09:40 AM	60.8	45.1
04:20 AM - 04:25 AM	43.0	37.9	07:00 AM - 07:05 AM	58.1	48.5	09:40 AM - 09:45 AM	52.0	45.8
04:25 AM - 04:30 AM	47.6	38.7	07:05 AM - 07:10 AM	62.7	51.3	09:45 AM - 09:50 AM	54.5	46.9
04:30 AM - 04:35 AM	47.1	39.0	07:10 AM - 07:15 AM	59.7	48.7	09:50 AM - 09:55 AM	51.8	47.7
04:35 AM - 04:40 AM	50.8	39.0	07:15 AM - 07:20 AM	58.7	49.2	09:55 AM - 10:00 AM	52.7	48.7
04:40 AM - 04:45 AM	46.2	38.7	07:20 AM - 07:25 AM	58.7	49.9	10:00 AM - 10:05 AM	59.5	47.3
04:45 AM - 04:50 AM	46.5	38.3	07:25 AM - 07:30 AM	58.6	49.5	10:05 AM - 10:10 AM	56.3	49.1
04:50 AM - 04:55 AM	47.0	39.0	07:30 AM - 07:35 AM	57.4	48.8	10:10 AM - 10:15 AM	65.0	49.4
04:55 AM - 05:00 AM	50.1	40.3	07:35 AM - 07:40 AM	56.8	48.3	10:15 AM - 10:20 AM	55.6	48.5
05:00 AM - 05:05 AM	45.0	39.9	07:40 AM - 07:45 AM	56.4	49.0	10:20 AM - 10:25 AM	55.5	47.1
05:05 AM - 05:10 AM	45.5	40.1	07:45 AM - 07:50 AM	56.9	47.9	10:25 AM - 10:30 AM	60.0	46.5
05:10 AM - 05:15 AM	46.9	39.7	07:50 AM - 07:55 AM	61.5	46.1	10:30 AM - 10:35 AM	58.6	47.0
05:15 AM - 05:20 AM	47.0	40.0	07:55 AM - 08:00 AM	55.2	47.8	10:35 AM - 10:40 AM	54.5	46.6
05:20 AM - 05:25 AM	46.3	41.2	08:00 AM - 08:05 AM	56.4	46.6	10:40 AM - 10:45 AM	54.6	46.3
05:25 AM - 05:30 AM	52.8	42.9	08:05 AM - 08:10 AM	60.6	45.8	10:45 AM - 10:50 AM	49.8	45.5
05:30 AM - 05:35 AM	51.1	43.2	08:10 AM - 08:15 AM	58.4	47.9	10:50 AM - 10:55 AM	52.0	45.2
05:35 AM - 05:40 AM	45.8	41.0	08:15 AM - 08:20 AM	61.2	47.5	10:55 AM - 11:00 AM	58.6	45.8

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Approved by

Sarayuth Jittrantont  
Assistant General Manager



## Analysis / Test Report

Client : Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140  
P/O : RJN(2)-004/066  
Project Name : Pluak Daeng  
Project Location :

Lot ID: 23115911  
Date Received : Nov 03, 2023  
Date Reported : Nov 07, 2023  
Report Number : 2828275-1

Page 1 of 3

Sample Number : 23115911-2  
Parameter : Noise Level (Leq 5 min)  
Location : บ้านวังตาลหมอน (N1) (GPS 47P 0734063, 1432127)  
Measurement Date : Oct 28 - Oct 29, 2023  
Measurement by : Saknarin Jaraskay  
Sound Level meter : Serial No. 00296518

Oct 28, 2023 Time	Leq dB(A)	L90 dB(A)	Oct 28, 2023 Time	Leq dB(A)	L90 dB(A)	Oct 28, 2023 Time	Leq dB(A)	L90 dB(A)
11:00 AM - 11:05 AM	61.4	48.6	01:40 PM - 01:45 PM	64.8	63.9	04:20 PM - 04:25 PM	61.2	47.7
11:05 AM - 11:10 AM	56.6	48.3	01:45 PM - 01:50 PM	64.3	64.0	04:25 PM - 04:30 PM	60.9	47.8
11:10 AM - 11:15 AM	53.7	49.5	01:50 PM - 01:55 PM	64.6	63.9	04:30 PM - 04:35 PM	63.2	54.0
11:15 AM - 11:20 AM	61.9	49.8	01:55 PM - 02:00 PM	64.3	52.4	04:35 PM - 04:40 PM	58.1	51.7
11:20 AM - 11:25 AM	58.7	49.9	02:00 PM - 02:05 PM	59.9	47.2	04:40 PM - 04:45 PM	60.5	49.7
11:25 AM - 11:30 AM	59.7	50.6	02:05 PM - 02:10 PM	54.5	43.5	04:45 PM - 04:50 PM	66.6	51.6
11:30 AM - 11:35 AM	58.8	49.9	02:10 PM - 02:15 PM	56.2	45.8	04:50 PM - 04:55 PM	58.7	51.1
11:35 AM - 11:40 AM	59.4	50.5	02:15 PM - 02:20 PM	54.5	45.1	04:55 PM - 05:00 PM	61.7	50.7
11:40 AM - 11:45 AM	58.8	51.0	02:20 PM - 02:25 PM	52.8	50.4	05:00 PM - 05:05 PM	60.7	55.8
11:45 AM - 11:50 AM	64.0	50.7	02:25 PM - 02:30 PM	60.5	52.1	05:05 PM - 05:10 PM	62.5	52.4
11:50 AM - 11:55 AM	52.3	50.0	02:30 PM - 02:35 PM	66.9	50.4	05:10 PM - 05:15 PM	58.7	52.0
11:55 AM - 12:00 PM	57.3	50.5	02:35 PM - 02:40 PM	56.8	50.8	05:15 PM - 05:20 PM	60.5	52.1
12:00 PM - 12:05 PM	51.5	47.8	02:40 PM - 02:45 PM	55.5	51.5	05:20 PM - 05:25 PM	58.7	52.5
12:05 PM - 12:10 PM	57.1	49.6	02:45 PM - 02:50 PM	57.7	51.8	05:25 PM - 05:30 PM	60.7	51.1
12:10 PM - 12:15 PM	58.9	48.0	02:50 PM - 02:55 PM	54.9	52.2	05:30 PM - 05:35 PM	63.4	51.2
12:15 PM - 12:20 PM	55.2	45.1	02:55 PM - 03:00 PM	56.6	48.2	05:35 PM - 05:40 PM	64.4	49.3
12:20 PM - 12:25 PM	53.6	47.2	03:00 PM - 03:05 PM	55.6	49.1	05:40 PM - 05:45 PM	62.6	51.8
12:25 PM - 12:30 PM	66.3	48.3	03:05 PM - 03:10 PM	55.4	48.4	05:45 PM - 05:50 PM	56.6	51.0
12:30 PM - 12:35 PM	51.0	44.1	03:10 PM - 03:15 PM	51.7	46.5	05:50 PM - 05:55 PM	59.3	52.2
12:35 PM - 12:40 PM	54.2	44.8	03:15 PM - 03:20 PM	60.2	49.4	05:55 PM - 06:00 PM	57.3	52.5
12:40 PM - 12:45 PM	50.5	43.8	03:20 PM - 03:25 PM	56.3	50.5	06:00 PM - 06:05 PM	62.3	50.5
12:45 PM - 12:50 PM	55.7	45.6	03:25 PM - 03:30 PM	54.9	50.3	06:05 PM - 06:10 PM	69.6	50.8
12:50 PM - 12:55 PM	51.7	44.8	03:30 PM - 03:35 PM	56.9	51.9	06:10 PM - 06:15 PM	60.9	47.5
12:55 PM - 01:00 PM	54.6	47.8	03:35 PM - 03:40 PM	55.9	51.5	06:15 PM - 06:20 PM	58.9	46.7
01:00 PM - 01:05 PM	55.7	48.4	03:40 PM - 03:45 PM	54.3	51.7	06:20 PM - 06:25 PM	54.5	48.1
01:05 PM - 01:10 PM	65.3	47.5	03:45 PM - 03:50 PM	57.4	51.6	06:25 PM - 06:30 PM	55.1	48.9
01:10 PM - 01:15 PM	58.0	49.4	03:50 PM - 03:55 PM	59.1	49.7	06:30 PM - 06:35 PM	55.6	48.9
01:15 PM - 01:20 PM	56.6	49.3	03:55 PM - 04:00 PM	55.6	50.7	06:35 PM - 06:40 PM	58.7	48.8
01:20 PM - 01:25 PM	58.8	48.7	04:00 PM - 04:05 PM	56.7	48.4	06:40 PM - 06:45 PM	53.9	49.4
01:25 PM - 01:30 PM	54.7	47.8	04:05 PM - 04:10 PM	56.0	47.2	06:45 PM - 06:50 PM	56.2	49.0
01:30 PM - 01:35 PM	65.1	63.7	04:10 PM - 04:15 PM	55.7	48.9	06:50 PM - 06:55 PM	53.9	48.5
01:35 PM - 01:40 PM	64.3	64.0	04:15 PM - 04:20 PM	60.9	48.5	06:55 PM - 07:00 PM	57.0	49.1

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Approved by

Sarayuth Jittrantont  
Assistant General Manager



## Analysis / Test Report

Client : Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140  
P/O : RJN(2)-004/066  
Project Name : Pluak Daeng  
Project Location :

Lot ID: 23115911  
Date Received : Nov 03, 2023  
Date Reported : Nov 07, 2023  
Report Number : 2828275-1

Page 2 of 3

Sample Number 23115911-2  
Parameter Noise Level (Leq 5 min)  
Location บ้านวังตาลหมอน (N1) (GPS 47P 0734063, 1432127)  
Measurement Date Oct 28 - Oct 29, 2023  
Measurement by Saknarin Jaraskay  
Sound Level meter Serial No. 00296518

Oct 28, 2023	Leq	L90	Oct 28 - Oct 29, 2023	Leq	L90	Oct 29, 2023	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
07:00 PM - 07:05 PM	55.6	48.9	09:40 PM - 09:45 PM	65.6	44.8	12:20 AM - 12:25 AM	43.5	41.4
07:05 PM - 07:10 PM	55.6	49.8	09:45 PM - 09:50 PM	64.2	47.7	12:25 AM - 12:30 AM	46.8	41.9
07:10 PM - 07:15 PM	58.9	49.3	09:50 PM - 09:55 PM	61.9	45.5	12:30 AM - 12:35 AM	44.6	41.6
07:15 PM - 07:20 PM	54.9	49.1	09:55 PM - 10:00 PM	56.4	46.2	12:35 AM - 12:40 AM	44.9	41.1
07:20 PM - 07:25 PM	61.3	48.8	10:00 PM - 10:05 PM	50.6	43.8	12:40 AM - 12:45 AM	43.0	41.6
07:25 PM - 07:30 PM	57.7	46.8	10:05 PM - 10:10 PM	47.0	42.3	12:45 AM - 12:50 AM	47.1	41.5
07:30 PM - 07:35 PM	54.9	46.5	10:10 PM - 10:15 PM	55.0	43.4	12:50 AM - 12:55 AM	45.0	41.0
07:35 PM - 07:40 PM	54.0	45.6	10:15 PM - 10:20 PM	49.4	43.7	12:55 AM - 01:00 AM	47.0	40.8
07:40 PM - 07:45 PM	56.0	45.7	10:20 PM - 10:25 PM	49.4	43.1	01:00 AM - 01:05 AM	48.4	42.2
07:45 PM - 07:50 PM	51.1	45.9	10:25 PM - 10:30 PM	51.5	43.2	01:05 AM - 01:10 AM	44.6	41.7
07:50 PM - 07:55 PM	51.4	45.6	10:30 PM - 10:35 PM	50.1	43.7	01:10 AM - 01:15 AM	43.5	42.4
07:55 PM - 08:00 PM	56.0	45.1	10:35 PM - 10:40 PM	52.3	44.1	01:15 AM - 01:20 AM	44.7	42.1
08:00 PM - 08:05 PM	50.1	45.0	10:40 PM - 10:45 PM	48.0	42.9	01:20 AM - 01:25 AM	46.9	42.2
08:05 PM - 08:10 PM	55.5	45.2	10:45 PM - 10:50 PM	47.7	43.5	01:25 AM - 01:30 AM	43.1	42.0
08:10 PM - 08:15 PM	63.4	47.3	10:50 PM - 10:55 PM	46.3	43.0	01:30 AM - 01:35 AM	55.1	42.9
08:15 PM - 08:20 PM	53.5	47.5	10:55 PM - 11:00 PM	49.1	42.9	01:35 AM - 01:40 AM	45.3	42.6
08:20 PM - 08:25 PM	55.1	47.8	11:00 PM - 11:05 PM	50.1	43.1	01:40 AM - 01:45 AM	43.3	41.8
08:25 PM - 08:30 PM	52.7	48.1	11:05 PM - 11:10 PM	51.3	43.1	01:45 AM - 01:50 AM	46.3	43.9
08:30 PM - 08:35 PM	59.6	48.7	11:10 PM - 11:15 PM	49.9	43.4	01:50 AM - 01:55 AM	45.3	44.1
08:35 PM - 08:40 PM	53.0	45.9	11:15 PM - 11:20 PM	47.4	42.5	01:55 AM - 02:00 AM	45.1	43.4
08:40 PM - 08:45 PM	53.4	46.9	11:20 PM - 11:25 PM	47.0	41.9	02:00 AM - 02:05 AM	47.1	44.0
08:45 PM - 08:50 PM	53.2	47.9	11:25 PM - 11:30 PM	49.5	42.8	02:05 AM - 02:10 AM	44.6	43.4
08:50 PM - 08:55 PM	51.8	45.9	11:30 PM - 11:35 PM	49.3	43.0	02:10 AM - 02:15 AM	42.3	40.2
08:55 PM - 09:00 PM	48.7	45.8	11:35 PM - 11:40 PM	45.9	41.7	02:15 AM - 02:20 AM	44.2	40.7
09:00 PM - 09:05 PM	52.5	44.9	11:40 PM - 11:45 PM	49.4	41.0	02:20 AM - 02:25 AM	42.3	40.7
09:05 PM - 09:10 PM	48.8	44.5	11:45 PM - 11:50 PM	44.6	40.7	02:25 AM - 02:30 AM	41.4	40.4
09:10 PM - 09:15 PM	51.1	44.9	11:50 PM - 11:55 PM	45.1	41.6	02:30 AM - 02:35 AM	42.5	40.6
09:15 PM - 09:20 PM	48.6	44.4	11:55 PM - 12:00 AM	45.3	41.4	02:35 AM - 02:40 AM	42.5	41.0
09:20 PM - 09:25 PM	48.3	43.6	12:00 AM - 12:05 AM	49.9	42.2	02:40 AM - 02:45 AM	45.7	41.1
09:25 PM - 09:30 PM	46.7	43.1	12:05 AM - 12:10 AM	44.2	41.6	02:45 AM - 02:50 AM	44.2	40.2
09:30 PM - 09:35 PM	49.5	43.2	12:10 AM - 12:15 AM	44.7	41.5	02:50 AM - 02:55 AM	47.3	40.8
09:35 PM - 09:40 PM	47.9	43.3	12:15 AM - 12:20 AM	45.3	42.0	02:55 AM - 03:00 AM	51.0	41.2

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Approved by

Sarayuth Jittrantont  
Assistant General Manager



## Analysis / Test Report

Client : Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140  
P/O : RJN(2)-004/066  
Project Name : Pluak Daeng  
Project Location :

Lot ID: 23115911  
Date Received : Nov 03, 2023  
Date Reported : Nov 07, 2023  
Report Number : 2828275-1

Page 3 of 3

Sample Number : 23115911-2  
Parameter : Noise Level (Leq 5 min)  
Location : บ้านวังตาลหมอน (N1) (GPS 47P 0734063, 1432127)  
Measurement Date : Oct 28 - Oct 29, 2023  
Measurement by : Saknarin Jaraskay  
Sound Level meter : Serial No. 00296518

Oct 29, 2023 Time	Leq dB(A)	L90 dB(A)	Oct 29, 2023 Time	Leq dB(A)	L90 dB(A)	Oct 29, 2023 Time	Leq dB(A)	L90 dB(A)
03:00 AM - 03:05 AM	44.4	41.9	05:40 AM - 05:45 AM	56.9	47.7	08:20 AM - 08:25 AM	57.0	51.8
03:05 AM - 03:10 AM	44.2	42.5	05:45 AM - 05:50 AM	56.2	48.0	08:25 AM - 08:30 AM	55.4	51.6
03:10 AM - 03:15 AM	43.8	41.7	05:50 AM - 05:55 AM	60.4	51.2	08:30 AM - 08:35 AM	58.1	50.9
03:15 AM - 03:20 AM	48.6	41.4	05:55 AM - 06:00 AM	54.2	48.9	08:35 AM - 08:40 AM	60.5	51.6
03:20 AM - 03:25 AM	43.5	41.4	06:00 AM - 06:05 AM	55.6	50.8	08:40 AM - 08:45 AM	60.6	50.4
03:25 AM - 03:30 AM	42.1	41.4	06:05 AM - 06:10 AM	55.4	49.9	08:45 AM - 08:50 AM	62.1	51.4
03:30 AM - 03:35 AM	45.4	42.3	06:10 AM - 06:15 AM	64.5	51.3	08:50 AM - 08:55 AM	56.5	51.4
03:35 AM - 03:40 AM	44.3	43.5	06:15 AM - 06:20 AM	56.6	50.7	08:55 AM - 09:00 AM	60.7	50.8
03:40 AM - 03:45 AM	43.8	42.4	06:20 AM - 06:25 AM	61.1	51.3	09:00 AM - 09:05 AM	59.7	50.8
03:45 AM - 03:50 AM	48.0	43.2	06:25 AM - 06:30 AM	61.1	50.8	09:05 AM - 09:10 AM	62.8	51.1
03:50 AM - 03:55 AM	46.6	43.9	06:30 AM - 06:35 AM	58.1	50.8	09:10 AM - 09:15 AM	60.2	51.1
03:55 AM - 04:00 AM	44.6	43.6	06:35 AM - 06:40 AM	58.5	51.9	09:15 AM - 09:20 AM	60.0	50.4
04:00 AM - 04:05 AM	50.7	43.8	06:40 AM - 06:45 AM	65.9	52.1	09:20 AM - 09:25 AM	56.5	49.0
04:05 AM - 04:10 AM	44.2	43.0	06:45 AM - 06:50 AM	62.0	53.2	09:25 AM - 09:30 AM	61.5	48.6
04:10 AM - 04:15 AM	42.9	42.3	06:50 AM - 06:55 AM	61.3	53.5	09:30 AM - 09:35 AM	59.3	50.1
04:15 AM - 04:20 AM	44.5	42.3	06:55 AM - 07:00 AM	67.2	54.7	09:35 AM - 09:40 AM	61.1	51.5
04:20 AM - 04:25 AM	43.8	41.5	07:00 AM - 07:05 AM	63.2	54.5	09:40 AM - 09:45 AM	65.2	50.1
04:25 AM - 04:30 AM	47.0	41.1	07:05 AM - 07:10 AM	63.2	54.8	09:45 AM - 09:50 AM	53.9	47.6
04:30 AM - 04:35 AM	44.8	41.9	07:10 AM - 07:15 AM	63.1	55.7	09:50 AM - 09:55 AM	53.9	46.2
04:35 AM - 04:40 AM	49.6	43.3	07:15 AM - 07:20 AM	63.3	54.7	09:55 AM - 10:00 AM	55.2	45.2
04:40 AM - 04:45 AM	49.7	42.8	07:20 AM - 07:25 AM	64.6	55.0	10:00 AM - 10:05 AM	68.1	48.6
04:45 AM - 04:50 AM	42.1	40.0	07:25 AM - 07:30 AM	60.5	53.4	10:05 AM - 10:10 AM	54.5	47.4
04:50 AM - 04:55 AM	46.0	41.9	07:30 AM - 07:35 AM	59.3	52.5	10:10 AM - 10:15 AM	54.7	43.5
04:55 AM - 05:00 AM	57.3	46.0	07:35 AM - 07:40 AM	62.9	53.2	10:15 AM - 10:20 AM	63.1	50.5
05:00 AM - 05:05 AM	49.8	46.3	07:40 AM - 07:45 AM	62.3	53.1	10:20 AM - 10:25 AM	64.9	48.6
05:05 AM - 05:10 AM	51.2	46.0	07:45 AM - 07:50 AM	55.6	50.4	10:25 AM - 10:30 AM	54.8	47.7
05:10 AM - 05:15 AM	50.3	45.9	07:50 AM - 07:55 AM	62.8	54.0	10:30 AM - 10:35 AM	50.9	45.5
05:15 AM - 05:20 AM	50.5	45.9	07:55 AM - 08:00 AM	60.0	52.0	10:35 AM - 10:40 AM	51.9	46.7
05:20 AM - 05:25 AM	56.9	48.2	08:00 AM - 08:05 AM	64.1	53.4	10:40 AM - 10:45 AM	61.4	52.3
05:25 AM - 05:30 AM	54.9	49.7	08:05 AM - 08:10 AM	60.1	53.3	10:45 AM - 10:50 AM	61.2	51.6
05:30 AM - 05:35 AM	54.4	46.8	08:10 AM - 08:15 AM	65.7	52.4	10:50 AM - 10:55 AM	57.7	50.2
05:35 AM - 05:40 AM	52.2	47.8	08:15 AM - 08:20 AM	61.6	51.1	10:55 AM - 11:00 AM	62.7	49.8

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Approved by

Sarayuth Jittrantont  
Assistant General Manager



## Analysis / Test Report

Client : Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140  
P/O : RJN(2)-004/066  
Project Name : Pluak Daeng  
Project Location :

Lot ID: 23115911  
Date Received : Nov 03, 2023  
Date Reported : Nov 07, 2023  
Report Number : 2828276-1

Page 1 of 3

Sample Number : 23115911-3  
Parameter : Noise Level (Leq 5 min)  
Location : บ้านวังตาลหมอน (N1) (GPS 47P 0734063, 1432127)  
Measurement Date : Oct 29 - Oct 30, 2023  
Measurement by : Saknarin Jaraskay  
Sound Level meter : Serial No. 00296518

Oct 29, 2023 Time	Leq dB(A)	L90 dB(A)	Oct 29, 2023 Time	Leq dB(A)	L90 dB(A)	Oct 29, 2023 Time	Leq dB(A)	L90 dB(A)
11:00 AM - 11:05 AM	68.7	53.4	01:40 PM - 01:45 PM	59.2	49.7	04:20 PM - 04:25 PM	59.8	46.2
11:05 AM - 11:10 AM	52.1	45.9	01:45 PM - 01:50 PM	55.3	46.9	04:25 PM - 04:30 PM	67.2	51.6
11:10 AM - 11:15 AM	64.8	48.4	01:50 PM - 01:55 PM	55.0	45.4	04:30 PM - 04:35 PM	64.3	48.3
11:15 AM - 11:20 AM	64.4	46.9	01:55 PM - 02:00 PM	54.6	47.5	04:35 PM - 04:40 PM	61.2	48.2
11:20 AM - 11:25 AM	55.0	48.8	02:00 PM - 02:05 PM	65.5	51.3	04:40 PM - 04:45 PM	61.0	48.9
11:25 AM - 11:30 AM	65.1	47.6	02:05 PM - 02:10 PM	57.7	51.0	04:45 PM - 04:50 PM	65.8	52.5
11:30 AM - 11:35 AM	57.4	48.5	02:10 PM - 02:15 PM	66.9	50.0	04:50 PM - 04:55 PM	65.1	50.4
11:35 AM - 11:40 AM	52.3	44.8	02:15 PM - 02:20 PM	59.8	50.3	04:55 PM - 05:00 PM	62.6	52.5
11:40 AM - 11:45 AM	66.1	46.5	02:20 PM - 02:25 PM	60.2	47.9	05:00 PM - 05:05 PM	61.2	56.7
11:45 AM - 11:50 AM	61.0	48.3	02:25 PM - 02:30 PM	59.1	48.3	05:05 PM - 05:10 PM	61.7	54.2
11:50 AM - 11:55 AM	62.6	46.8	02:30 PM - 02:35 PM	66.2	48.7	05:10 PM - 05:15 PM	63.3	54.2
11:55 AM - 12:00 PM	62.0	49.2	02:35 PM - 02:40 PM	62.1	49.6	05:15 PM - 05:20 PM	63.1	53.1
12:00 PM - 12:05 PM	68.3	49.3	02:40 PM - 02:45 PM	61.1	48.0	05:20 PM - 05:25 PM	59.3	54.2
12:05 PM - 12:10 PM	64.2	48.4	02:45 PM - 02:50 PM	67.0	51.7	05:25 PM - 05:30 PM	57.6	54.3
12:10 PM - 12:15 PM	60.8	49.9	02:50 PM - 02:55 PM	56.0	48.6	05:30 PM - 05:35 PM	62.7	55.2
12:15 PM - 12:20 PM	57.8	45.5	02:55 PM - 03:00 PM	64.7	50.8	05:35 PM - 05:40 PM	61.0	53.2
12:20 PM - 12:25 PM	50.6	44.9	03:00 PM - 03:05 PM	63.1	50.6	05:40 PM - 05:45 PM	58.1	50.0
12:25 PM - 12:30 PM	59.5	48.2	03:05 PM - 03:10 PM	58.2	45.8	05:45 PM - 05:50 PM	58.9	50.8
12:30 PM - 12:35 PM	56.4	47.4	03:10 PM - 03:15 PM	69.2	48.8	05:50 PM - 05:55 PM	68.6	51.5
12:35 PM - 12:40 PM	52.0	46.2	03:15 PM - 03:20 PM	57.9	47.6	05:55 PM - 06:00 PM	60.6	49.7
12:40 PM - 12:45 PM	52.1	46.3	03:20 PM - 03:25 PM	60.0	47.2	06:00 PM - 06:05 PM	57.6	49.3
12:45 PM - 12:50 PM	55.5	47.1	03:25 PM - 03:30 PM	64.7	49.5	06:05 PM - 06:10 PM	59.3	49.2
12:50 PM - 12:55 PM	64.7	51.0	03:30 PM - 03:35 PM	55.4	49.2	06:10 PM - 06:15 PM	54.1	47.8
12:55 PM - 01:00 PM	58.9	47.6	03:35 PM - 03:40 PM	63.5	49.8	06:15 PM - 06:20 PM	55.2	51.0
01:00 PM - 01:05 PM	61.5	48.9	03:40 PM - 03:45 PM	67.2	48.3	06:20 PM - 06:25 PM	58.9	50.9
01:05 PM - 01:10 PM	67.3	49.1	03:45 PM - 03:50 PM	67.2	55.0	06:25 PM - 06:30 PM	56.8	51.0
01:10 PM - 01:15 PM	61.5	48.5	03:50 PM - 03:55 PM	64.1	54.4	06:30 PM - 06:35 PM	61.0	51.2
01:15 PM - 01:20 PM	61.7	49.2	03:55 PM - 04:00 PM	61.9	48.7	06:35 PM - 06:40 PM	54.8	50.0
01:20 PM - 01:25 PM	62.1	48.9	04:00 PM - 04:05 PM	55.0	47.8	06:40 PM - 06:45 PM	55.2	50.4
01:25 PM - 01:30 PM	59.6	51.9	04:05 PM - 04:10 PM	59.1	48.5	06:45 PM - 06:50 PM	56.1	49.7
01:30 PM - 01:35 PM	58.1	47.4	04:10 PM - 04:15 PM	60.4	48.2	06:50 PM - 06:55 PM	57.0	50.4
01:35 PM - 01:40 PM	61.1	48.9	04:15 PM - 04:20 PM	65.7	48.3	06:55 PM - 07:00 PM	58.2	51.2

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Approved by

Sarayuth Jittrantont  
Assistant General Manager



## Analysis / Test Report

Client : Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140  
P/O : RJN(2)-004/066  
Project Name : Pluak Daeng  
Project Location :

Lot ID: 23115911  
Date Received : Nov 03, 2023  
Date Reported : Nov 07, 2023  
Report Number : 2828276-1

Page 2 of 3

Sample Number 23115911-3  
Parameter Noise Level (Leq 5 min)  
Location บ้านวังตาลหมอน (N1) (GPS 47P 0734063, 1432127)  
Measurement Date Oct 29 - Oct 30, 2023  
Measurement by Saknarin Jaraskay  
Sound Level meter Serial No. 00296518

Oct 29, 2023	Leq	L90	Oct 29 - Oct 30, 2023	Leq	L90	Oct 30, 2023	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
07:00 PM - 07:05 PM	58.7	51.8	09:40 PM - 09:45 PM	48.6	44.3	12:20 AM - 12:25 AM	44.7	43.9
07:05 PM - 07:10 PM	58.2	49.6	09:45 PM - 09:50 PM	54.1	46.0	12:25 AM - 12:30 AM	49.1	44.3
07:10 PM - 07:15 PM	59.1	49.6	09:50 PM - 09:55 PM	51.0	45.4	12:30 AM - 12:35 AM	49.3	43.7
07:15 PM - 07:20 PM	56.7	49.1	09:55 PM - 10:00 PM	53.0	46.2	12:35 AM - 12:40 AM	45.9	43.4
07:20 PM - 07:25 PM	56.2	48.6	10:00 PM - 10:05 PM	51.0	46.0	12:40 AM - 12:45 AM	48.7	44.1
07:25 PM - 07:30 PM	57.7	49.0	10:05 PM - 10:10 PM	48.3	45.2	12:45 AM - 12:50 AM	46.6	43.4
07:30 PM - 07:35 PM	56.1	48.6	10:10 PM - 10:15 PM	50.9	45.2	12:50 AM - 12:55 AM	50.2	43.8
07:35 PM - 07:40 PM	53.5	47.1	10:15 PM - 10:20 PM	48.6	44.7	12:55 AM - 01:00 AM	46.4	43.2
07:40 PM - 07:45 PM	59.8	49.8	10:20 PM - 10:25 PM	52.8	45.3	01:00 AM - 01:05 AM	46.4	44.0
07:45 PM - 07:50 PM	57.2	47.4	10:25 PM - 10:30 PM	50.2	44.9	01:05 AM - 01:10 AM	47.2	43.6
07:50 PM - 07:55 PM	58.5	48.8	10:30 PM - 10:35 PM	50.8	45.9	01:10 AM - 01:15 AM	44.8	43.3
07:55 PM - 08:00 PM	53.7	47.9	10:35 PM - 10:40 PM	53.9	45.1	01:15 AM - 01:20 AM	45.9	43.9
08:00 PM - 08:05 PM	58.0	49.3	10:40 PM - 10:45 PM	51.5	45.7	01:20 AM - 01:25 AM	45.0	43.9
08:05 PM - 08:10 PM	57.0	50.0	10:45 PM - 10:50 PM	55.5	44.6	01:25 AM - 01:30 AM	45.3	43.7
08:10 PM - 08:15 PM	55.8	50.0	10:50 PM - 10:55 PM	44.9	43.2	01:30 AM - 01:35 AM	45.0	43.9
08:15 PM - 08:20 PM	55.0	50.5	10:55 PM - 11:00 PM	50.7	43.6	01:35 AM - 01:40 AM	46.4	43.5
08:20 PM - 08:25 PM	58.0	49.9	11:00 PM - 11:05 PM	50.0	44.6	01:40 AM - 01:45 AM	45.2	44.1
08:25 PM - 08:30 PM	54.7	50.9	11:05 PM - 11:10 PM	53.1	45.7	01:45 AM - 01:50 AM	45.6	44.0
08:30 PM - 08:35 PM	57.2	50.1	11:10 PM - 11:15 PM	48.2	44.8	01:50 AM - 01:55 AM	46.3	44.2
08:35 PM - 08:40 PM	54.2	49.8	11:15 PM - 11:20 PM	47.8	44.3	01:55 AM - 02:00 AM	45.5	43.9
08:40 PM - 08:45 PM	55.3	47.3	11:20 PM - 11:25 PM	49.8	44.6	02:00 AM - 02:05 AM	44.7	43.9
08:45 PM - 08:50 PM	58.9	49.6	11:25 PM - 11:30 PM	47.3	45.2	02:05 AM - 02:10 AM	44.9	43.4
08:50 PM - 08:55 PM	55.8	46.6	11:30 PM - 11:35 PM	48.2	44.7	02:10 AM - 02:15 AM	47.4	44.3
08:55 PM - 09:00 PM	62.8	48.1	11:35 PM - 11:40 PM	47.1	45.0	02:15 AM - 02:20 AM	46.6	44.4
09:00 PM - 09:05 PM	50.4	46.4	11:40 PM - 11:45 PM	49.5	45.2	02:20 AM - 02:25 AM	46.8	44.7
09:05 PM - 09:10 PM	50.0	46.3	11:45 PM - 11:50 PM	48.1	44.5	02:25 AM - 02:30 AM	48.3	45.0
09:10 PM - 09:15 PM	51.0	46.8	11:50 PM - 11:55 PM	45.0	43.9	02:30 AM - 02:35 AM	46.3	43.4
09:15 PM - 09:20 PM	52.8	46.6	11:55 PM - 12:00 AM	46.4	44.0	02:35 AM - 02:40 AM	46.2	43.5
09:20 PM - 09:25 PM	53.8	46.2	12:00 AM - 12:05 AM	47.4	44.3	02:40 AM - 02:45 AM	47.3	43.9
09:25 PM - 09:30 PM	50.6	45.2	12:05 AM - 12:10 AM	49.5	45.1	02:45 AM - 02:50 AM	46.0	43.5
09:30 PM - 09:35 PM	52.0	45.1	12:10 AM - 12:15 AM	49.8	44.8	02:50 AM - 02:55 AM	50.5	43.6
09:35 PM - 09:40 PM	52.7	44.9	12:15 AM - 12:20 AM	45.5	44.2	02:55 AM - 03:00 AM	45.0	42.9

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

Approved by

Sarayuth Jittrantont  
Assistant General Manager



## Analysis / Test Report

Client : Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140  
P/O : RJN(2)-004/066  
Project Name : Pluak Daeng  
Project Location :

Lot ID: 23115911  
Date Received : Nov 03, 2023  
Date Reported : Nov 07, 2023  
Report Number : 2828276-1

Page 3 of 3

Sample Number 23115911-3  
Parameter Noise Level (Leq 5 min)  
Location บ้านวังตาลหมอน (N1) (GPS 47P 0734063, 1432127)  
Measurement Date Oct 29 - Oct 30, 2023  
Measurement by Saknarin Jaraskay  
Sound Level meter Serial No. 00296518

Oct 30, 2023 Time	Leq dB(A)	L90 dB(A)	Oct 30, 2023 Time	Leq dB(A)	L90 dB(A)	Oct 30, 2023 Time	Leq dB(A)	L90 dB(A)
03:00 AM - 03:05 AM	54.9	43.2	05:40 AM - 05:45 AM	53.5	45.3	08:20 AM - 08:25 AM	63.2	52.0
03:05 AM - 03:10 AM	45.6	42.3	05:45 AM - 05:50 AM	50.9	45.5	08:25 AM - 08:30 AM	60.4	52.7
03:10 AM - 03:15 AM	43.9	42.3	05:50 AM - 05:55 AM	58.5	47.8	08:30 AM - 08:35 AM	55.8	50.3
03:15 AM - 03:20 AM	44.6	42.6	05:55 AM - 06:00 AM	55.7	47.3	08:35 AM - 08:40 AM	54.2	48.6
03:20 AM - 03:25 AM	45.8	41.8	06:00 AM - 06:05 AM	53.4	47.6	08:40 AM - 08:45 AM	61.6	49.9
03:25 AM - 03:30 AM	46.8	41.8	06:05 AM - 06:10 AM	54.2	46.8	08:45 AM - 08:50 AM	57.9	49.9
03:30 AM - 03:35 AM	42.1	41.2	06:10 AM - 06:15 AM	56.0	48.2	08:50 AM - 08:55 AM	55.9	47.6
03:35 AM - 03:40 AM	42.6	40.9	06:15 AM - 06:20 AM	56.6	47.7	08:55 AM - 09:00 AM	58.6	50.0
03:40 AM - 03:45 AM	42.4	40.7	06:20 AM - 06:25 AM	53.8	48.9	09:00 AM - 09:05 AM	60.3	52.2
03:45 AM - 03:50 AM	41.5	40.5	06:25 AM - 06:30 AM	55.4	49.3	09:05 AM - 09:10 AM	64.9	50.7
03:50 AM - 03:55 AM	43.4	41.1	06:30 AM - 06:35 AM	60.8	50.9	09:10 AM - 09:15 AM	58.4	46.7
03:55 AM - 04:00 AM	42.6	41.0	06:35 AM - 06:40 AM	58.8	50.7	09:15 AM - 09:20 AM	62.3	50.9
04:00 AM - 04:05 AM	45.0	41.0	06:40 AM - 06:45 AM	60.4	53.0	09:20 AM - 09:25 AM	56.7	49.8
04:05 AM - 04:10 AM	45.9	41.4	06:45 AM - 06:50 AM	57.3	51.7	09:25 AM - 09:30 AM	65.9	50.9
04:10 AM - 04:15 AM	47.4	40.7	06:50 AM - 06:55 AM	65.5	54.7	09:30 AM - 09:35 AM	58.1	50.6
04:15 AM - 04:20 AM	43.9	40.9	06:55 AM - 07:00 AM	59.1	52.1	09:35 AM - 09:40 AM	64.3	48.6
04:20 AM - 04:25 AM	46.5	41.4	07:00 AM - 07:05 AM	61.6	52.0	09:40 AM - 09:45 AM	55.5	49.3
04:25 AM - 04:30 AM	51.1	42.2	07:05 AM - 07:10 AM	66.2	54.8	09:45 AM - 09:50 AM	58.0	50.4
04:30 AM - 04:35 AM	50.6	42.5	07:10 AM - 07:15 AM	63.2	52.2	09:50 AM - 09:55 AM	55.3	51.2
04:35 AM - 04:40 AM	54.3	42.5	07:15 AM - 07:20 AM	62.2	52.7	09:55 AM - 10:00 AM	56.2	52.2
04:40 AM - 04:45 AM	49.7	42.2	07:20 AM - 07:25 AM	62.2	53.4	10:00 AM - 10:05 AM	63.0	50.8
04:45 AM - 04:50 AM	50.0	41.8	07:25 AM - 07:30 AM	62.1	53.0	10:05 AM - 10:10 AM	59.8	52.6
04:50 AM - 04:55 AM	50.5	42.5	07:30 AM - 07:35 AM	60.9	52.3	10:10 AM - 10:15 AM	68.5	52.9
04:55 AM - 05:00 AM	53.6	43.8	07:35 AM - 07:40 AM	60.3	51.8	10:15 AM - 10:20 AM	59.1	52.0
05:00 AM - 05:05 AM	48.5	43.4	07:40 AM - 07:45 AM	59.9	52.5	10:20 AM - 10:25 AM	59.0	50.6
05:05 AM - 05:10 AM	49.0	43.6	07:45 AM - 07:50 AM	60.4	51.4	10:25 AM - 10:30 AM	63.5	50.0
05:10 AM - 05:15 AM	50.4	43.2	07:50 AM - 07:55 AM	65.0	49.6	10:30 AM - 10:35 AM	62.1	50.5
05:15 AM - 05:20 AM	50.5	43.5	07:55 AM - 08:00 AM	58.7	51.3	10:35 AM - 10:40 AM	58.0	50.1
05:20 AM - 05:25 AM	49.8	44.7	08:00 AM - 08:05 AM	59.9	50.1	10:40 AM - 10:45 AM	58.1	49.8
05:25 AM - 05:30 AM	56.3	46.4	08:05 AM - 08:10 AM	64.1	49.3	10:45 AM - 10:50 AM	53.3	49.0
05:30 AM - 05:35 AM	54.6	46.7	08:10 AM - 08:15 AM	61.9	51.4	10:50 AM - 10:55 AM	55.5	48.7
05:35 AM - 05:40 AM	49.3	44.5	08:15 AM - 08:20 AM	64.7	51.0	10:55 AM - 11:00 AM	62.1	49.3

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Approved by

Sarayuth Jittrantont  
Assistant General Manager





## Analysis / Test Report

Client : Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140  
P/O : RJN(2)-004/066  
Project Name : Pluak Daeng  
Project Location :

Lot ID: 23115911  
Date Received : Nov 03, 2023  
Date Reported : Nov 07, 2023  
Report Number : 2828277-1

Page 1 of 3

Sample Number : 23115911-4  
Parameter : Noise Level (Leq 5 min)  
Location : บ้านวังตาลหมอน (N1) (GPS 47P 0734063, 1432127)  
Measurement Date : Oct 30 - Oct 31, 2023  
Measurement by : Saknarin Jaraskay  
Sound Level meter : Serial No. 00296518

Oct 30, 2023 Time	Leq dB(A)	L90 dB(A)	Oct 30, 2023 Time	Leq dB(A)	L90 dB(A)	Oct 30, 2023 Time	Leq dB(A)	L90 dB(A)
11:00 AM - 11:05 AM	64.9	52.1	01:40 PM - 01:45 PM	68.3	67.4	04:20 PM - 04:25 PM	64.7	51.2
11:05 AM - 11:10 AM	60.1	51.8	01:45 PM - 01:50 PM	67.8	67.5	04:25 PM - 04:30 PM	64.4	51.3
11:10 AM - 11:15 AM	57.2	53.0	01:50 PM - 01:55 PM	68.1	67.4	04:30 PM - 04:35 PM	66.7	57.5
11:15 AM - 11:20 AM	65.4	53.3	01:55 PM - 02:00 PM	67.8	55.9	04:35 PM - 04:40 PM	61.6	55.2
11:20 AM - 11:25 AM	62.2	53.4	02:00 PM - 02:05 PM	63.4	50.7	04:40 PM - 04:45 PM	64.0	53.2
11:25 AM - 11:30 AM	63.2	54.1	02:05 PM - 02:10 PM	58.0	47.0	04:45 PM - 04:50 PM	64.5	53.7
11:30 AM - 11:35 AM	62.3	53.4	02:10 PM - 02:15 PM	59.7	49.3	04:50 PM - 04:55 PM	62.2	54.6
11:35 AM - 11:40 AM	62.9	54.0	02:15 PM - 02:20 PM	58.0	48.6	04:55 PM - 05:00 PM	65.2	54.2
11:40 AM - 11:45 AM	62.3	54.5	02:20 PM - 02:25 PM	56.3	53.9	05:00 PM - 05:05 PM	64.2	59.3
11:45 AM - 11:50 AM	67.5	54.2	02:25 PM - 02:30 PM	64.0	55.6	05:05 PM - 05:10 PM	66.0	55.9
11:50 AM - 11:55 AM	55.8	53.5	02:30 PM - 02:35 PM	64.5	45.0	05:10 PM - 05:15 PM	62.2	55.5
11:55 AM - 12:00 PM	60.8	54.0	02:35 PM - 02:40 PM	60.3	54.3	05:15 PM - 05:20 PM	64.0	55.6
12:00 PM - 12:05 PM	55.0	51.3	02:40 PM - 02:45 PM	59.0	55.0	05:20 PM - 05:25 PM	62.2	56.0
12:05 PM - 12:10 PM	60.6	53.1	02:45 PM - 02:50 PM	61.2	55.3	05:25 PM - 05:30 PM	64.2	54.6
12:10 PM - 12:15 PM	62.4	51.5	02:50 PM - 02:55 PM	58.4	55.7	05:30 PM - 05:35 PM	66.9	54.7
12:15 PM - 12:20 PM	58.7	48.6	02:55 PM - 03:00 PM	60.1	51.7	05:35 PM - 05:40 PM	68.1	55.9
12:20 PM - 12:25 PM	57.1	50.7	03:00 PM - 03:05 PM	59.1	52.6	05:40 PM - 05:45 PM	66.1	55.3
12:25 PM - 12:30 PM	69.8	51.8	03:05 PM - 03:10 PM	58.9	51.9	05:45 PM - 05:50 PM	60.1	54.5
12:30 PM - 12:35 PM	54.5	47.6	03:10 PM - 03:15 PM	55.2	50.0	05:50 PM - 05:55 PM	62.8	55.7
12:35 PM - 12:40 PM	57.7	48.3	03:15 PM - 03:20 PM	63.7	52.9	05:55 PM - 06:00 PM	60.8	56.0
12:40 PM - 12:45 PM	54.0	47.3	03:20 PM - 03:25 PM	59.8	54.0	06:00 PM - 06:05 PM	65.8	54.0
12:45 PM - 12:50 PM	59.2	49.1	03:25 PM - 03:30 PM	58.4	53.8	06:05 PM - 06:10 PM	66.1	54.3
12:50 PM - 12:55 PM	55.2	48.3	03:30 PM - 03:35 PM	60.4	55.4	06:10 PM - 06:15 PM	64.4	51.0
12:55 PM - 01:00 PM	58.1	51.3	03:35 PM - 03:40 PM	59.4	55.0	06:15 PM - 06:20 PM	62.4	50.2
01:00 PM - 01:05 PM	59.2	51.9	03:40 PM - 03:45 PM	57.8	55.2	06:20 PM - 06:25 PM	58.0	51.6
01:05 PM - 01:10 PM	68.8	51.0	03:45 PM - 03:50 PM	60.9	55.1	06:25 PM - 06:30 PM	58.6	52.4
01:10 PM - 01:15 PM	61.5	52.9	03:50 PM - 03:55 PM	62.6	53.2	06:30 PM - 06:35 PM	59.1	52.4
01:15 PM - 01:20 PM	60.1	52.8	03:55 PM - 04:00 PM	59.1	54.2	06:35 PM - 06:40 PM	62.2	52.3
01:20 PM - 01:25 PM	62.3	52.2	04:00 PM - 04:05 PM	60.2	51.9	06:40 PM - 06:45 PM	57.4	52.9
01:25 PM - 01:30 PM	58.2	51.3	04:05 PM - 04:10 PM	59.5	50.7	06:45 PM - 06:50 PM	59.7	52.5
01:30 PM - 01:35 PM	68.6	67.2	04:10 PM - 04:15 PM	59.2	52.4	06:50 PM - 06:55 PM	57.4	52.0
01:35 PM - 01:40 PM	67.8	67.5	04:15 PM - 04:20 PM	64.4	52.0	06:55 PM - 07:00 PM	60.5	52.6

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Approved by

Sarayuth Jittrantont  
Assistant General Manager



## Analysis / Test Report

Client : Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140  
P/O : RJN(2)-004/066  
Project Name : Pluak Daeng  
Project Location :

Lot ID: 23115911  
Date Received : Nov 03, 2023  
Date Reported : Nov 07, 2023  
Report Number : 2828277-1

Page 2 of 3

Sample Number : 23115911-4  
Parameter : Noise Level (Leq 5 min)  
Location : บ้านวังตาลหมอน (N1) (GPS 47P 0734063, 1432127)  
Measurement Date : Oct 30 - Oct 31, 2023  
Measurement by : Saknarin Jaraskay  
Sound Level meter : Serial No. 00296518

Oct 30, 2023 Time	Leq dB(A)	L90 dB(A)	Oct 30 - Oct 31, 2023 Time	Leq dB(A)	L90 dB(A)	Oct 31, 2023 Time	Leq dB(A)	L90 dB(A)
07:00 PM - 07:05 PM	59.1	52.4	09:40 PM - 09:45 PM	69.1	48.3	12:20 AM - 12:25 AM	45.9	43.8
07:05 PM - 07:10 PM	59.1	53.3	09:45 PM - 09:50 PM	67.7	51.2	12:25 AM - 12:30 AM	49.2	44.3
07:10 PM - 07:15 PM	62.4	52.8	09:50 PM - 09:55 PM	65.4	49.0	12:30 AM - 12:35 AM	47.0	44.0
07:15 PM - 07:20 PM	58.4	52.6	09:55 PM - 10:00 PM	59.9	49.7	12:35 AM - 12:40 AM	47.3	43.5
07:20 PM - 07:25 PM	64.8	52.3	10:00 PM - 10:05 PM	54.1	47.3	12:40 AM - 12:45 AM	45.4	44.0
07:25 PM - 07:30 PM	61.2	50.3	10:05 PM - 10:10 PM	50.5	45.8	12:45 AM - 12:50 AM	49.5	43.9
07:30 PM - 07:35 PM	58.4	50.0	10:10 PM - 10:15 PM	58.5	46.9	12:50 AM - 12:55 AM	47.4	43.4
07:35 PM - 07:40 PM	57.5	49.1	10:15 PM - 10:20 PM	52.9	47.2	12:55 AM - 01:00 AM	49.4	43.2
07:40 PM - 07:45 PM	59.5	49.2	10:20 PM - 10:25 PM	52.9	46.6	01:00 AM - 01:05 AM	50.8	44.6
07:45 PM - 07:50 PM	54.6	49.4	10:25 PM - 10:30 PM	55.0	46.7	01:05 AM - 01:10 AM	47.0	44.1
07:50 PM - 07:55 PM	54.9	49.1	10:30 PM - 10:35 PM	53.6	47.2	01:10 AM - 01:15 AM	45.9	44.8
07:55 PM - 08:00 PM	59.5	48.6	10:35 PM - 10:40 PM	55.8	47.6	01:15 AM - 01:20 AM	47.1	44.5
08:00 PM - 08:05 PM	53.6	48.5	10:40 PM - 10:45 PM	51.5	46.4	01:20 AM - 01:25 AM	49.3	44.6
08:05 PM - 08:10 PM	59.0	48.7	10:45 PM - 10:50 PM	51.2	47.0	01:25 AM - 01:30 AM	45.5	44.4
08:10 PM - 08:15 PM	66.9	50.8	10:50 PM - 10:55 PM	49.8	46.5	01:30 AM - 01:35 AM	57.5	45.3
08:15 PM - 08:20 PM	57.0	51.0	10:55 PM - 11:00 PM	52.6	46.4	01:35 AM - 01:40 AM	47.7	45.0
08:20 PM - 08:25 PM	58.6	51.3	11:00 PM - 11:05 PM	53.6	46.6	01:40 AM - 01:45 AM	45.7	44.2
08:25 PM - 08:30 PM	56.2	51.6	11:05 PM - 11:10 PM	54.8	46.6	01:45 AM - 01:50 AM	48.7	46.3
08:30 PM - 08:35 PM	63.1	52.2	11:10 PM - 11:15 PM	53.4	46.9	01:50 AM - 01:55 AM	47.7	46.5
08:35 PM - 08:40 PM	56.5	49.4	11:15 PM - 11:20 PM	50.9	46.0	01:55 AM - 02:00 AM	47.5	45.8
08:40 PM - 08:45 PM	56.9	50.4	11:20 PM - 11:25 PM	50.5	45.4	02:00 AM - 02:05 AM	49.5	46.4
08:45 PM - 08:50 PM	56.7	51.4	11:25 PM - 11:30 PM	53.0	46.3	02:05 AM - 02:10 AM	47.0	45.8
08:50 PM - 08:55 PM	55.3	49.4	11:30 PM - 11:35 PM	51.7	45.4	02:10 AM - 02:15 AM	44.7	42.6
08:55 PM - 09:00 PM	52.2	49.3	11:35 PM - 11:40 PM	48.3	44.1	02:15 AM - 02:20 AM	46.6	43.1
09:00 PM - 09:05 PM	56.0	48.4	11:40 PM - 11:45 PM	51.8	43.4	02:20 AM - 02:25 AM	44.7	43.1
09:05 PM - 09:10 PM	52.3	48.0	11:45 PM - 11:50 PM	47.0	43.1	02:25 AM - 02:30 AM	43.8	42.8
09:10 PM - 09:15 PM	54.6	48.4	11:50 PM - 11:55 PM	47.5	44.0	02:30 AM - 02:35 AM	44.9	43.0
09:15 PM - 09:20 PM	52.1	47.9	11:55 PM - 12:00 AM	47.7	43.8	02:35 AM - 02:40 AM	44.9	43.4
09:20 PM - 09:25 PM	51.8	47.1	12:00 AM - 12:05 AM	52.3	44.6	02:40 AM - 02:45 AM	48.1	43.5
09:25 PM - 09:30 PM	50.2	46.6	12:05 AM - 12:10 AM	46.6	44.0	02:45 AM - 02:50 AM	46.6	42.6
09:30 PM - 09:35 PM	53.0	46.7	12:10 AM - 12:15 AM	47.1	43.9	02:50 AM - 02:55 AM	49.7	43.2
09:35 PM - 09:40 PM	51.4	46.8	12:15 AM - 12:20 AM	47.7	44.4	02:55 AM - 03:00 AM	53.4	43.6

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Approved by

Sarayuth Jittrantont  
Assistant General Manager



## Analysis / Test Report

Client : Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140  
P/O : RJN(2)-004/066  
Project Name : Pluak Daeng  
Project Location :

Lot ID: 23115911  
Date Received : Nov 03, 2023  
Date Reported : Nov 07, 2023  
Report Number : 2828277-1

Page 3 of 3

Sample Number : 23115911-4  
Parameter : Noise Level (Leq 5 min)  
Location : บ้านวังตาลหมอน (N1) (GPS 47P 0734063, 1432127)  
Measurement Date : Oct 30 - Oct 31, 2023  
Measurement by : Saknarin Jaraskay  
Sound Level meter : Serial No. 00296518

Oct 31, 2023 Time	Leq dB(A)	L90 dB(A)	Oct 31, 2023 Time	Leq dB(A)	L90 dB(A)	Oct 31, 2023 Time	Leq dB(A)	L90 dB(A)
03:00 AM - 03:05 AM	46.8	44.3	05:40 AM - 05:45 AM	59.3	50.1	08:20 AM - 08:25 AM	59.4	54.2
03:05 AM - 03:10 AM	46.6	44.9	05:45 AM - 05:50 AM	58.6	50.4	08:25 AM - 08:30 AM	57.8	54.0
03:10 AM - 03:15 AM	46.2	44.1	05:50 AM - 05:55 AM	62.8	53.6	08:30 AM - 08:35 AM	60.5	53.3
03:15 AM - 03:20 AM	51.0	43.8	05:55 AM - 06:00 AM	56.6	51.3	08:35 AM - 08:40 AM	62.9	54.0
03:20 AM - 03:25 AM	45.9	43.8	06:00 AM - 06:05 AM	58.0	53.2	08:40 AM - 08:45 AM	63.0	52.8
03:25 AM - 03:30 AM	44.5	43.8	06:05 AM - 06:10 AM	57.8	52.3	08:45 AM - 08:50 AM	64.5	53.8
03:30 AM - 03:35 AM	47.8	44.7	06:10 AM - 06:15 AM	66.9	53.7	08:50 AM - 08:55 AM	58.9	53.8
03:35 AM - 03:40 AM	46.7	45.9	06:15 AM - 06:20 AM	59.0	53.1	08:55 AM - 09:00 AM	63.1	53.2
03:40 AM - 03:45 AM	46.2	44.8	06:20 AM - 06:25 AM	63.5	53.7	09:00 AM - 09:05 AM	62.1	53.2
03:45 AM - 03:50 AM	50.4	45.6	06:25 AM - 06:30 AM	63.5	53.2	09:05 AM - 09:10 AM	65.2	53.5
03:50 AM - 03:55 AM	49.0	46.3	06:30 AM - 06:35 AM	60.5	53.2	09:10 AM - 09:15 AM	62.6	53.5
03:55 AM - 04:00 AM	47.0	46.0	06:35 AM - 06:40 AM	60.9	54.3	09:15 AM - 09:20 AM	62.4	52.8
04:00 AM - 04:05 AM	53.1	46.2	06:40 AM - 06:45 AM	68.3	54.5	09:20 AM - 09:25 AM	58.9	51.4
04:05 AM - 04:10 AM	46.6	45.4	06:45 AM - 06:50 AM	64.4	55.6	09:25 AM - 09:30 AM	63.9	51.0
04:10 AM - 04:15 AM	45.3	44.7	06:50 AM - 06:55 AM	63.7	55.9	09:30 AM - 09:35 AM	61.7	52.5
04:15 AM - 04:20 AM	46.9	44.7	06:55 AM - 07:00 AM	69.6	57.1	09:35 AM - 09:40 AM	63.5	53.9
04:20 AM - 04:25 AM	46.2	43.9	07:00 AM - 07:05 AM	65.6	56.9	09:40 AM - 09:45 AM	67.6	52.5
04:25 AM - 04:30 AM	49.4	43.5	07:05 AM - 07:10 AM	65.6	57.2	09:45 AM - 09:50 AM	56.3	50.0
04:30 AM - 04:35 AM	47.2	44.3	07:10 AM - 07:15 AM	65.5	58.1	09:50 AM - 09:55 AM	56.3	48.6
04:35 AM - 04:40 AM	52.0	45.7	07:15 AM - 07:20 AM	65.7	57.1	09:55 AM - 10:00 AM	57.6	47.6
04:40 AM - 04:45 AM	52.1	45.2	07:20 AM - 07:25 AM	67.0	57.4	10:00 AM - 10:05 AM	58.1	48.1
04:45 AM - 04:50 AM	44.5	42.4	07:25 AM - 07:30 AM	62.9	55.8	10:05 AM - 10:10 AM	56.9	49.8
04:50 AM - 04:55 AM	48.4	44.3	07:30 AM - 07:35 AM	61.7	54.9	10:10 AM - 10:15 AM	57.1	45.9
04:55 AM - 05:00 AM	59.7	48.4	07:35 AM - 07:40 AM	65.3	55.6	10:15 AM - 10:20 AM	65.5	52.9
05:00 AM - 05:05 AM	52.2	48.7	07:40 AM - 07:45 AM	64.7	55.5	10:20 AM - 10:25 AM	67.3	51.0
05:05 AM - 05:10 AM	53.6	48.4	07:45 AM - 07:50 AM	58.0	52.8	10:25 AM - 10:30 AM	57.2	50.1
05:10 AM - 05:15 AM	52.7	48.3	07:50 AM - 07:55 AM	65.2	56.4	10:30 AM - 10:35 AM	53.3	47.9
05:15 AM - 05:20 AM	52.9	48.3	07:55 AM - 08:00 AM	62.4	54.4	10:35 AM - 10:40 AM	54.3	49.1
05:20 AM - 05:25 AM	59.3	50.6	08:00 AM - 08:05 AM	66.5	55.8	10:40 AM - 10:45 AM	63.8	54.7
05:25 AM - 05:30 AM	57.3	52.1	08:05 AM - 08:10 AM	62.5	55.7	10:45 AM - 10:50 AM	63.6	54.0
05:30 AM - 05:35 AM	56.8	49.2	08:10 AM - 08:15 AM	68.1	54.8	10:50 AM - 10:55 AM	60.1	52.6
05:35 AM - 05:40 AM	54.6	50.2	08:15 AM - 08:20 AM	64.0	53.5	10:55 AM - 11:00 AM	65.1	52.2

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Approved by

Sarayuth Jittrantont  
Assistant General Manager



## Analysis / Test Report

Client : Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140  
P/O : RJN(2)-004/066  
Project Name : Pluak Daeng  
Project Location :

Lot ID: 23115911  
Date Received : Nov 03, 2023  
Date Reported : Nov 07, 2023  
Report Number : 2828278-1

Page 1 of 3

Sample Number : 23115911-5  
Parameter : Noise Level (Leq 5 min)  
Location : บ้านวังตาลหมอน (N1) (GPS 47P 0734063, 1432127)  
Measurement Date : Oct 31 - Nov 01, 2023  
Measurement by : Saknarin Jaraskay  
Sound Level meter : Serial No. 00296518

Oct 31, 2023	Leq	L90	Oct 31, 2023	Leq	L90	Oct 31, 2023	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
11:00 AM - 11:05 AM	67.3	52.0	01:40 PM - 01:45 PM	57.8	48.3	04:20 PM - 04:25 PM	58.4	44.8
11:05 AM - 11:10 AM	50.7	44.5	01:45 PM - 01:50 PM	53.9	45.5	04:25 PM - 04:30 PM	65.8	50.2
11:10 AM - 11:15 AM	63.4	47.0	01:50 PM - 01:55 PM	53.6	44.0	04:30 PM - 04:35 PM	62.9	46.9
11:15 AM - 11:20 AM	63.0	45.5	01:55 PM - 02:00 PM	53.2	46.1	04:35 PM - 04:40 PM	59.8	46.8
11:20 AM - 11:25 AM	53.6	47.4	02:00 PM - 02:05 PM	64.1	49.9	04:40 PM - 04:45 PM	59.6	47.5
11:25 AM - 11:30 AM	63.7	46.2	02:05 PM - 02:10 PM	56.3	49.6	04:45 PM - 04:50 PM	64.4	51.1
11:30 AM - 11:35 AM	56.0	47.1	02:10 PM - 02:15 PM	65.5	48.6	04:50 PM - 04:55 PM	63.7	49.0
11:35 AM - 11:40 AM	50.9	43.4	02:15 PM - 02:20 PM	58.4	48.9	04:55 PM - 05:00 PM	61.2	51.1
11:40 AM - 11:45 AM	64.7	45.1	02:20 PM - 02:25 PM	58.8	46.5	05:00 PM - 05:05 PM	59.8	55.3
11:45 AM - 11:50 AM	59.6	46.9	02:25 PM - 02:30 PM	57.7	46.9	05:05 PM - 05:10 PM	60.3	52.8
11:50 AM - 11:55 AM	61.2	45.4	02:30 PM - 02:35 PM	64.8	47.3	05:10 PM - 05:15 PM	61.9	52.8
11:55 AM - 12:00 PM	60.6	47.8	02:35 PM - 02:40 PM	60.7	48.2	05:15 PM - 05:20 PM	61.7	51.7
12:00 PM - 12:05 PM	66.9	47.9	02:40 PM - 02:45 PM	59.7	46.6	05:20 PM - 05:25 PM	57.9	52.8
12:05 PM - 12:10 PM	62.8	47.0	02:45 PM - 02:50 PM	65.6	50.3	05:25 PM - 05:30 PM	56.2	52.9
12:10 PM - 12:15 PM	59.4	48.5	02:50 PM - 02:55 PM	54.6	47.2	05:30 PM - 05:35 PM	61.3	53.8
12:15 PM - 12:20 PM	56.4	44.1	02:55 PM - 03:00 PM	63.3	49.4	05:35 PM - 05:40 PM	59.6	51.8
12:20 PM - 12:25 PM	49.2	43.5	03:00 PM - 03:05 PM	61.7	49.2	05:40 PM - 05:45 PM	56.7	48.6
12:25 PM - 12:30 PM	58.1	46.8	03:05 PM - 03:10 PM	56.8	44.4	05:45 PM - 05:50 PM	57.5	49.4
12:30 PM - 12:35 PM	55.0	46.0	03:10 PM - 03:15 PM	67.8	47.4	05:50 PM - 05:55 PM	67.2	50.1
12:35 PM - 12:40 PM	50.6	44.8	03:15 PM - 03:20 PM	56.5	46.2	05:55 PM - 06:00 PM	59.2	48.3
12:40 PM - 12:45 PM	50.7	44.9	03:20 PM - 03:25 PM	58.6	45.8	06:00 PM - 06:05 PM	56.2	47.9
12:45 PM - 12:50 PM	54.1	45.7	03:25 PM - 03:30 PM	63.3	48.1	06:05 PM - 06:10 PM	57.9	47.8
12:50 PM - 12:55 PM	63.3	49.6	03:30 PM - 03:35 PM	54.0	47.8	06:10 PM - 06:15 PM	52.7	46.4
12:55 PM - 01:00 PM	57.5	46.2	03:35 PM - 03:40 PM	62.1	48.4	06:15 PM - 06:20 PM	53.8	49.6
01:00 PM - 01:05 PM	60.1	47.5	03:40 PM - 03:45 PM	65.8	46.9	06:20 PM - 06:25 PM	57.5	49.5
01:05 PM - 01:10 PM	65.9	47.7	03:45 PM - 03:50 PM	65.8	53.6	06:25 PM - 06:30 PM	55.4	49.6
01:10 PM - 01:15 PM	60.1	47.1	03:50 PM - 03:55 PM	62.7	53.0	06:30 PM - 06:35 PM	59.6	49.8
01:15 PM - 01:20 PM	60.3	47.8	03:55 PM - 04:00 PM	60.5	47.3	06:35 PM - 06:40 PM	53.4	48.6
01:20 PM - 01:25 PM	60.7	47.5	04:00 PM - 04:05 PM	53.6	46.4	06:40 PM - 06:45 PM	53.8	49.0
01:25 PM - 01:30 PM	58.2	50.5	04:05 PM - 04:10 PM	57.7	47.1	06:45 PM - 06:50 PM	54.7	48.3
01:30 PM - 01:35 PM	56.7	46.0	04:10 PM - 04:15 PM	59.0	46.8	06:50 PM - 06:55 PM	55.6	49.0
01:35 PM - 01:40 PM	59.7	47.5	04:15 PM - 04:20 PM	64.3	46.9	06:55 PM - 07:00 PM	56.8	49.8

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Approved by

Sarayuth Jittrantont  
Assistant General Manager



## Analysis / Test Report

Client : Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140  
P/O : RJN(2)-004/066  
Project Name : Pluak Daeng  
Project Location :

Lot ID: 23115911  
Date Received : Nov 03, 2023  
Date Reported : Nov 07, 2023  
Report Number : 2828278-1

Page 2 of 3

Sample Number : 23115911-5  
Parameter : Noise Level (Leq 5 min)  
Location : บ้านวังตาลหมอน (N1) (GPS 47P 0734063, 1432127)  
Measurement Date : Oct 31 - Nov 01, 2023  
Measurement by : Saknarin Jaraskay  
Sound Level meter : Serial No. 00296518

Oct 31, 2023	Leq	L90	Oct 31 - Nov 01, 2023	Leq	L90	Nov 01, 2023	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
07:00 PM - 07:05 PM	57.3	50.4	09:40 PM - 09:45 PM	47.2	42.9	12:20 AM - 12:25 AM	43.3	42.5
07:05 PM - 07:10 PM	56.8	48.2	09:45 PM - 09:50 PM	52.7	44.6	12:25 AM - 12:30 AM	47.7	42.9
07:10 PM - 07:15 PM	57.7	48.2	09:50 PM - 09:55 PM	49.6	44.0	12:30 AM - 12:35 AM	47.9	42.3
07:15 PM - 07:20 PM	55.3	47.7	09:55 PM - 10:00 PM	51.6	44.8	12:35 AM - 12:40 AM	44.5	42.0
07:20 PM - 07:25 PM	54.8	47.2	10:00 PM - 10:05 PM	49.6	44.6	12:40 AM - 12:45 AM	47.3	42.7
07:25 PM - 07:30 PM	56.3	47.6	10:05 PM - 10:10 PM	46.9	43.8	12:45 AM - 12:50 AM	45.2	42.0
07:30 PM - 07:35 PM	54.7	47.2	10:10 PM - 10:15 PM	49.5	43.8	12:50 AM - 12:55 AM	48.8	42.4
07:35 PM - 07:40 PM	52.1	45.7	10:15 PM - 10:20 PM	47.2	43.3	12:55 AM - 01:00 AM	45.0	41.8
07:40 PM - 07:45 PM	58.4	48.4	10:20 PM - 10:25 PM	51.4	43.9	01:00 AM - 01:05 AM	45.0	42.6
07:45 PM - 07:50 PM	55.8	46.0	10:25 PM - 10:30 PM	48.8	43.5	01:05 AM - 01:10 AM	45.8	42.2
07:50 PM - 07:55 PM	57.1	47.4	10:30 PM - 10:35 PM	49.4	44.5	01:10 AM - 01:15 AM	43.4	41.9
07:55 PM - 08:00 PM	52.3	46.5	10:35 PM - 10:40 PM	52.5	43.7	01:15 AM - 01:20 AM	44.5	42.5
08:00 PM - 08:05 PM	56.6	47.9	10:40 PM - 10:45 PM	50.1	44.3	01:20 AM - 01:25 AM	43.6	42.5
08:05 PM - 08:10 PM	55.6	48.6	10:45 PM - 10:50 PM	54.1	43.2	01:25 AM - 01:30 AM	43.9	42.3
08:10 PM - 08:15 PM	54.4	48.6	10:50 PM - 10:55 PM	43.5	41.8	01:30 AM - 01:35 AM	42.8	41.7
08:15 PM - 08:20 PM	53.6	49.1	10:55 PM - 11:00 PM	49.3	42.2	01:35 AM - 01:40 AM	44.2	41.3
08:20 PM - 08:25 PM	56.6	48.5	11:00 PM - 11:05 PM	48.6	43.2	01:40 AM - 01:45 AM	43.0	41.9
08:25 PM - 08:30 PM	53.3	49.5	11:05 PM - 11:10 PM	51.7	44.3	01:45 AM - 01:50 AM	43.4	41.8
08:30 PM - 08:35 PM	55.8	48.7	11:10 PM - 11:15 PM	46.8	43.4	01:50 AM - 01:55 AM	44.1	42.0
08:35 PM - 08:40 PM	52.8	48.4	11:15 PM - 11:20 PM	46.4	42.9	01:55 AM - 02:00 AM	43.3	41.7
08:40 PM - 08:45 PM	53.9	45.9	11:20 PM - 11:25 PM	48.4	43.2	02:00 AM - 02:05 AM	42.5	41.7
08:45 PM - 08:50 PM	57.5	48.2	11:25 PM - 11:30 PM	45.9	43.8	02:05 AM - 02:10 AM	42.7	41.2
08:50 PM - 08:55 PM	54.4	45.2	11:30 PM - 11:35 PM	46.8	43.3	02:10 AM - 02:15 AM	45.2	42.1
08:55 PM - 09:00 PM	61.4	46.7	11:35 PM - 11:40 PM	45.7	43.6	02:15 AM - 02:20 AM	44.4	42.2
09:00 PM - 09:05 PM	49.0	45.0	11:40 PM - 11:45 PM	48.1	43.8	02:20 AM - 02:25 AM	44.6	42.5
09:05 PM - 09:10 PM	48.6	44.9	11:45 PM - 11:50 PM	46.7	43.1	02:25 AM - 02:30 AM	46.1	42.8
09:10 PM - 09:15 PM	49.6	45.4	11:50 PM - 11:55 PM	43.6	42.5	02:30 AM - 02:35 AM	44.1	41.2
09:15 PM - 09:20 PM	51.4	45.2	11:55 PM - 12:00 AM	45.0	42.6	02:35 AM - 02:40 AM	44.0	41.3
09:20 PM - 09:25 PM	52.4	44.8	12:00 AM - 12:05 AM	46.0	42.9	02:40 AM - 02:45 AM	45.1	41.7
09:25 PM - 09:30 PM	49.2	43.8	12:05 AM - 12:10 AM	48.1	43.7	02:45 AM - 02:50 AM	43.8	41.3
09:30 PM - 09:35 PM	50.6	43.7	12:10 AM - 12:15 AM	48.4	43.4	02:50 AM - 02:55 AM	48.3	41.4
09:35 PM - 09:40 PM	51.3	43.5	12:15 AM - 12:20 AM	44.1	42.8	02:55 AM - 03:00 AM	42.8	40.7

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Sarayuth Jittrantont  
Assistant General Manager



## Analysis / Test Report

Client : Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140  
P/O : RJN(2)-004/066  
Project Name : Pluak Daeng  
Project Location :

Lot ID: 23115911  
Date Received : Nov 03, 2023  
Date Reported : Nov 07, 2023  
Report Number : 2828278-1

Page 3 of 3

Sample Number 23115911-5  
Parameter Noise Level (Leq 5 min)  
Location บ้านวังตาลหมอน (N1) (GPS 47P 0734063, 1432127)  
Measurement Date Oct 31 - Nov 01, 2023  
Measurement by Saknarin Jaraskay  
Sound Level meter Serial No. 00296518

Nov 01, 2023 Time	Leq dB(A)	L90 dB(A)	Nov 01, 2023 Time	Leq dB(A)	L90 dB(A)	Nov 01, 2023 Time	Leq dB(A)	L90 dB(A)
03:00 AM - 03:05 AM	52.7	41.0	05:40 AM - 05:45 AM	51.3	43.1	08:20 AM - 08:25 AM	61.0	49.8
03:05 AM - 03:10 AM	43.4	40.1	05:45 AM - 05:50 AM	48.7	43.3	08:25 AM - 08:30 AM	58.2	50.5
03:10 AM - 03:15 AM	41.7	40.1	05:50 AM - 05:55 AM	56.3	45.6	08:30 AM - 08:35 AM	53.6	48.1
03:15 AM - 03:20 AM	42.4	40.4	05:55 AM - 06:00 AM	53.5	45.1	08:35 AM - 08:40 AM	52.0	46.4
03:20 AM - 03:25 AM	43.6	39.6	06:00 AM - 06:05 AM	51.2	45.4	08:40 AM - 08:45 AM	59.4	47.7
03:25 AM - 03:30 AM	44.6	39.6	06:05 AM - 06:10 AM	52.0	44.6	08:45 AM - 08:50 AM	55.7	47.7
03:30 AM - 03:35 AM	39.9	39.0	06:10 AM - 06:15 AM	53.8	46.0	08:50 AM - 08:55 AM	53.7	45.4
03:35 AM - 03:40 AM	40.4	38.7	06:15 AM - 06:20 AM	54.4	45.5	08:55 AM - 09:00 AM	56.4	47.8
03:40 AM - 03:45 AM	40.2	38.5	06:20 AM - 06:25 AM	51.6	46.7	09:00 AM - 09:05 AM	58.1	50.0
03:45 AM - 03:50 AM	39.3	38.3	06:25 AM - 06:30 AM	53.2	47.1	09:05 AM - 09:10 AM	62.7	48.5
03:50 AM - 03:55 AM	41.2	38.9	06:30 AM - 06:35 AM	58.6	48.7	09:10 AM - 09:15 AM	56.2	44.5
03:55 AM - 04:00 AM	40.4	38.8	06:35 AM - 06:40 AM	56.6	48.5	09:15 AM - 09:20 AM	60.1	48.7
04:00 AM - 04:05 AM	42.8	38.8	06:40 AM - 06:45 AM	58.2	50.8	09:20 AM - 09:25 AM	54.5	47.6
04:05 AM - 04:10 AM	43.7	39.2	06:45 AM - 06:50 AM	55.1	49.5	09:25 AM - 09:30 AM	63.7	48.7
04:10 AM - 04:15 AM	45.2	38.5	06:50 AM - 06:55 AM	63.3	52.5	09:30 AM - 09:35 AM	55.9	48.4
04:15 AM - 04:20 AM	41.7	38.7	06:55 AM - 07:00 AM	56.9	49.9	09:35 AM - 09:40 AM	62.1	46.4
04:20 AM - 04:25 AM	44.3	39.2	07:00 AM - 07:05 AM	59.4	49.8	09:40 AM - 09:45 AM	53.3	47.1
04:25 AM - 04:30 AM	48.9	40.0	07:05 AM - 07:10 AM	64.0	52.6	09:45 AM - 09:50 AM	55.8	48.2
04:30 AM - 04:35 AM	48.4	40.3	07:10 AM - 07:15 AM	61.0	50.0	09:50 AM - 09:55 AM	53.1	49.0
04:35 AM - 04:40 AM	52.1	40.3	07:15 AM - 07:20 AM	60.0	50.5	09:55 AM - 10:00 AM	54.0	50.0
04:40 AM - 04:45 AM	47.5	40.0	07:20 AM - 07:25 AM	60.0	51.2	10:00 AM - 10:05 AM	60.8	48.6
04:45 AM - 04:50 AM	47.8	39.6	07:25 AM - 07:30 AM	59.9	50.8	10:05 AM - 10:10 AM	57.6	50.4
04:50 AM - 04:55 AM	48.3	40.3	07:30 AM - 07:35 AM	58.7	50.1	10:10 AM - 10:15 AM	66.3	50.7
04:55 AM - 05:00 AM	51.4	41.6	07:35 AM - 07:40 AM	58.1	49.6	10:15 AM - 10:20 AM	56.9	49.8
05:00 AM - 05:05 AM	46.3	41.2	07:40 AM - 07:45 AM	57.7	50.3	10:20 AM - 10:25 AM	56.8	48.4
05:05 AM - 05:10 AM	46.8	41.4	07:45 AM - 07:50 AM	58.2	49.2	10:25 AM - 10:30 AM	61.3	47.8
05:10 AM - 05:15 AM	48.2	41.0	07:50 AM - 07:55 AM	62.8	47.4	10:30 AM - 10:35 AM	59.9	48.3
05:15 AM - 05:20 AM	48.3	41.3	07:55 AM - 08:00 AM	56.5	49.1	10:35 AM - 10:40 AM	55.8	47.9
05:20 AM - 05:25 AM	47.6	42.5	08:00 AM - 08:05 AM	57.7	47.9	10:40 AM - 10:45 AM	55.9	47.6
05:25 AM - 05:30 AM	54.1	44.2	08:05 AM - 08:10 AM	61.9	47.1	10:45 AM - 10:50 AM	51.1	46.8
05:30 AM - 05:35 AM	52.4	44.5	08:10 AM - 08:15 AM	59.7	49.2	10:50 AM - 10:55 AM	53.3	46.5
05:35 AM - 05:40 AM	47.1	42.3	08:15 AM - 08:20 AM	62.5	48.8	10:55 AM - 11:00 AM	59.9	47.1

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Approved by

Sarayuth Jittrantont  
Assistant General Manager



## Analysis / Test Report

Client : Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140  
P/O : RJN(2)-004/066  
Project Name : Pluak Daeng  
Project Location :

Lot ID: 23115911  
Date Received : Nov 03, 2023  
Date Reported : Nov 07, 2023  
Report Number : 2828279-1

Page 1 of 3

Sample Number : 23115911-6  
Parameter : Noise Level (Leq 5 min)  
Location : บ้านวังตาลหมอน (N1) (GPS 47P 0734063, 1432127)  
Measurement Date : Nov 01 - Nov 02, 2023  
Measurement by : Saknarin Jaraskay  
Sound Level meter : Serial No. 00296518

Nov 01, 2023	Leq	L90	Nov 01, 2023	Leq	L90	Nov 01, 2023	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
11:00 AM - 11:05 AM	66.5	51.2	01:40 PM - 01:45 PM	57.0	47.5	04:20 PM - 04:25 PM	57.6	44.0
11:05 AM - 11:10 AM	49.9	43.7	01:45 PM - 01:50 PM	53.1	44.7	04:25 PM - 04:30 PM	65.0	49.4
11:10 AM - 11:15 AM	62.6	46.2	01:50 PM - 01:55 PM	52.8	43.2	04:30 PM - 04:35 PM	62.1	46.1
11:15 AM - 11:20 AM	62.2	44.7	01:55 PM - 02:00 PM	52.4	45.3	04:35 PM - 04:40 PM	59.0	46.0
11:20 AM - 11:25 AM	52.8	46.6	02:00 PM - 02:05 PM	63.3	49.1	04:40 PM - 04:45 PM	58.8	46.7
11:25 AM - 11:30 AM	62.9	45.4	02:05 PM - 02:10 PM	55.5	48.8	04:45 PM - 04:50 PM	63.6	50.3
11:30 AM - 11:35 AM	55.2	46.3	02:10 PM - 02:15 PM	64.7	47.8	04:50 PM - 04:55 PM	62.9	48.2
11:35 AM - 11:40 AM	50.1	42.6	02:15 PM - 02:20 PM	57.6	48.1	04:55 PM - 05:00 PM	60.4	50.3
11:40 AM - 11:45 AM	63.9	44.3	02:20 PM - 02:25 PM	58.0	45.7	05:00 PM - 05:05 PM	59.0	54.5
11:45 AM - 11:50 AM	58.8	46.1	02:25 PM - 02:30 PM	56.9	46.1	05:05 PM - 05:10 PM	59.5	52.0
11:50 AM - 11:55 AM	60.4	44.6	02:30 PM - 02:35 PM	64.0	46.5	05:10 PM - 05:15 PM	61.1	52.0
11:55 AM - 12:00 PM	59.8	47.0	02:35 PM - 02:40 PM	59.9	47.4	05:15 PM - 05:20 PM	60.9	50.9
12:00 PM - 12:05 PM	66.1	47.1	02:40 PM - 02:45 PM	58.9	45.8	05:20 PM - 05:25 PM	57.1	52.0
12:05 PM - 12:10 PM	62.0	46.2	02:45 PM - 02:50 PM	64.8	49.5	05:25 PM - 05:30 PM	55.4	52.1
12:10 PM - 12:15 PM	58.6	47.7	02:50 PM - 02:55 PM	53.8	46.4	05:30 PM - 05:35 PM	60.5	53.0
12:15 PM - 12:20 PM	55.6	43.3	02:55 PM - 03:00 PM	62.5	48.6	05:35 PM - 05:40 PM	58.8	51.0
12:20 PM - 12:25 PM	48.4	42.7	03:00 PM - 03:05 PM	60.9	48.4	05:40 PM - 05:45 PM	55.9	47.8
12:25 PM - 12:30 PM	57.3	46.0	03:05 PM - 03:10 PM	56.0	43.6	05:45 PM - 05:50 PM	56.7	48.6
12:30 PM - 12:35 PM	54.2	45.2	03:10 PM - 03:15 PM	67.0	46.6	05:50 PM - 05:55 PM	66.4	49.3
12:35 PM - 12:40 PM	49.8	44.0	03:15 PM - 03:20 PM	55.7	45.4	05:55 PM - 06:00 PM	58.4	47.5
12:40 PM - 12:45 PM	49.9	44.1	03:20 PM - 03:25 PM	57.8	45.0	06:00 PM - 06:05 PM	55.4	47.1
12:45 PM - 12:50 PM	53.3	44.9	03:25 PM - 03:30 PM	62.5	47.3	06:05 PM - 06:10 PM	57.1	47.0
12:50 PM - 12:55 PM	62.5	48.8	03:30 PM - 03:35 PM	53.2	47.0	06:10 PM - 06:15 PM	51.9	45.6
12:55 PM - 01:00 PM	56.7	45.4	03:35 PM - 03:40 PM	61.3	47.6	06:15 PM - 06:20 PM	53.0	48.8
01:00 PM - 01:05 PM	59.3	46.7	03:40 PM - 03:45 PM	65.0	46.1	06:20 PM - 06:25 PM	56.7	48.7
01:05 PM - 01:10 PM	65.1	46.9	03:45 PM - 03:50 PM	65.0	52.8	06:25 PM - 06:30 PM	54.6	48.8
01:10 PM - 01:15 PM	59.3	46.3	03:50 PM - 03:55 PM	61.9	52.2	06:30 PM - 06:35 PM	58.8	49.0
01:15 PM - 01:20 PM	59.5	47.0	03:55 PM - 04:00 PM	59.7	46.5	06:35 PM - 06:40 PM	52.6	47.8
01:20 PM - 01:25 PM	59.9	46.7	04:00 PM - 04:05 PM	52.8	45.6	06:40 PM - 06:45 PM	53.0	48.2
01:25 PM - 01:30 PM	57.4	49.7	04:05 PM - 04:10 PM	56.9	46.3	06:45 PM - 06:50 PM	53.9	47.5
01:30 PM - 01:35 PM	55.9	45.2	04:10 PM - 04:15 PM	58.2	46.0	06:50 PM - 06:55 PM	54.8	48.2
01:35 PM - 01:40 PM	58.9	46.7	04:15 PM - 04:20 PM	63.5	46.1	06:55 PM - 07:00 PM	56.0	49.0

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Approved by

Sarayuth Jittrantont  
Assistant General Manager





## Analysis / Test Report

Client : Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140  
P/O : RJN(2)-004/066  
Project Name : Pluak Daeng  
Project Location :

Lot ID: 23115911  
Date Received : Nov 03, 2023  
Date Reported : Nov 07, 2023  
Report Number : 2828279-1

Page 2 of 3

Sample Number : 23115911-6  
Parameter : Noise Level (Leq 5 min)  
Location : บ้านวังตาลหม่อน (N1) (GPS 47P 0734063, 1432127)  
Measurement Date : Nov 01 - Nov 02, 2023  
Measurement by : Saknarin Jaraskay  
Sound Level meter : Serial No. 00296518

Nov 01, 2023 Time	Leq dB(A)	L90 dB(A)	Nov 01 - Nov 02, 2023 Time	Leq dB(A)	L90 dB(A)	Nov 02, 2023 Time	Leq dB(A)	L90 dB(A)
07:00 PM - 07:05 PM	56.5	49.6	09:40 PM - 09:45 PM	46.4	42.1	12:20 AM - 12:25 AM	42.5	41.7
07:05 PM - 07:10 PM	56.0	47.4	09:45 PM - 09:50 PM	51.9	43.8	12:25 AM - 12:30 AM	46.9	42.1
07:10 PM - 07:15 PM	56.9	47.4	09:50 PM - 09:55 PM	48.8	43.2	12:30 AM - 12:35 AM	47.1	41.5
07:15 PM - 07:20 PM	54.5	46.9	09:55 PM - 10:00 PM	50.8	44.0	12:35 AM - 12:40 AM	43.7	41.2
07:20 PM - 07:25 PM	54.0	46.4	10:00 PM - 10:05 PM	48.8	43.8	12:40 AM - 12:45 AM	46.5	41.9
07:25 PM - 07:30 PM	55.5	46.8	10:05 PM - 10:10 PM	46.1	43.0	12:45 AM - 12:50 AM	44.4	41.2
07:30 PM - 07:35 PM	53.9	46.4	10:10 PM - 10:15 PM	48.7	43.0	12:50 AM - 12:55 AM	48.0	41.6
07:35 PM - 07:40 PM	51.3	44.9	10:15 PM - 10:20 PM	46.4	42.5	12:55 AM - 01:00 AM	44.2	41.0
07:40 PM - 07:45 PM	57.6	47.6	10:20 PM - 10:25 PM	50.6	43.1	01:00 AM - 01:05 AM	44.2	41.8
07:45 PM - 07:50 PM	55.0	45.2	10:25 PM - 10:30 PM	48.0	42.7	01:05 AM - 01:10 AM	45.0	41.4
07:50 PM - 07:55 PM	56.3	46.6	10:30 PM - 10:35 PM	48.6	43.7	01:10 AM - 01:15 AM	42.6	41.1
07:55 PM - 08:00 PM	51.5	45.7	10:35 PM - 10:40 PM	51.7	42.9	01:15 AM - 01:20 AM	43.7	41.7
08:00 PM - 08:05 PM	55.8	47.1	10:40 PM - 10:45 PM	49.3	43.5	01:20 AM - 01:25 AM	42.8	41.7
08:05 PM - 08:10 PM	54.8	47.8	10:45 PM - 10:50 PM	53.3	42.4	01:25 AM - 01:30 AM	43.1	41.5
08:10 PM - 08:15 PM	53.6	47.8	10:50 PM - 10:55 PM	42.7	41.0	01:30 AM - 01:35 AM	42.8	41.7
08:15 PM - 08:20 PM	52.8	48.3	10:55 PM - 11:00 PM	48.5	41.4	01:35 AM - 01:40 AM	44.2	41.3
08:20 PM - 08:25 PM	55.8	47.7	11:00 PM - 11:05 PM	47.8	42.4	01:40 AM - 01:45 AM	43.0	41.9
08:25 PM - 08:30 PM	52.5	48.7	11:05 PM - 11:10 PM	50.9	43.5	01:45 AM - 01:50 AM	43.4	41.8
08:30 PM - 08:35 PM	55.0	47.9	11:10 PM - 11:15 PM	46.0	42.6	01:50 AM - 01:55 AM	44.1	42.0
08:35 PM - 08:40 PM	52.0	47.6	11:15 PM - 11:20 PM	45.6	42.1	01:55 AM - 02:00 AM	43.3	41.7
08:40 PM - 08:45 PM	53.1	45.1	11:20 PM - 11:25 PM	47.6	42.4	02:00 AM - 02:05 AM	42.5	41.7
08:45 PM - 08:50 PM	56.7	47.4	11:25 PM - 11:30 PM	45.1	43.0	02:05 AM - 02:10 AM	42.7	41.2
08:50 PM - 08:55 PM	53.6	44.4	11:30 PM - 11:35 PM	46.0	42.5	02:10 AM - 02:15 AM	45.2	42.1
08:55 PM - 09:00 PM	60.6	45.9	11:35 PM - 11:40 PM	44.9	42.8	02:15 AM - 02:20 AM	44.4	42.2
09:00 PM - 09:05 PM	48.2	44.2	11:40 PM - 11:45 PM	47.3	43.0	02:20 AM - 02:25 AM	44.6	42.5
09:05 PM - 09:10 PM	47.8	44.1	11:45 PM - 11:50 PM	45.9	42.3	02:25 AM - 02:30 AM	46.1	42.8
09:10 PM - 09:15 PM	48.8	44.6	11:50 PM - 11:55 PM	42.8	41.7	02:30 AM - 02:35 AM	44.1	41.2
09:15 PM - 09:20 PM	50.6	44.4	11:55 PM - 12:00 AM	44.2	41.8	02:35 AM - 02:40 AM	44.0	41.3
09:20 PM - 09:25 PM	51.6	44.0	12:00 AM - 12:05 AM	45.2	42.1	02:40 AM - 02:45 AM	45.1	41.7
09:25 PM - 09:30 PM	48.4	43.0	12:05 AM - 12:10 AM	47.3	42.9	02:45 AM - 02:50 AM	43.8	41.3
09:30 PM - 09:35 PM	49.8	42.9	12:10 AM - 12:15 AM	47.6	42.6	02:50 AM - 02:55 AM	48.3	41.4
09:35 PM - 09:40 PM	50.5	42.7	12:15 AM - 12:20 AM	43.3	42.0	02:55 AM - 03:00 AM	42.8	40.7

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Approved by

Sarayuth Jittrantont  
Assistant General Manager



## Analysis / Test Report

Client : Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140  
P/O : RJN(2)-004/066  
Project Name : Pluak Daeng  
Project Location :

Lot ID: 23115911  
Date Received : Nov 03, 2023  
Date Reported : Nov 07, 2023  
Report Number : 2828279-1

Page 3 of 3

Sample Number 23115911-6  
Parameter Noise Level (Leq 5 min)  
Location บ้านวังตาลหมอน (N1) (GPS 47P 0734063, 1432127)  
Measurement Date Nov 01 - Nov 02, 2023  
Measurement by Saknarin Jaraskay  
Sound Level meter Serial No. 00296518

Nov 02, 2023 Time	Leq dB(A)	L90 dB(A)	Nov 02, 2023 Time	Leq dB(A)	L90 dB(A)	Nov 02, 2023 Time	Leq dB(A)	L90 dB(A)
03:00 AM - 03:05 AM	52.7	41.0	05:40 AM - 05:45 AM	51.3	43.1	08:20 AM - 08:25 AM	61.0	49.8
03:05 AM - 03:10 AM	43.4	40.1	05:45 AM - 05:50 AM	48.7	43.3	08:25 AM - 08:30 AM	58.2	50.5
03:10 AM - 03:15 AM	41.7	40.1	05:50 AM - 05:55 AM	56.3	45.6	08:30 AM - 08:35 AM	53.6	48.1
03:15 AM - 03:20 AM	42.4	40.4	05:55 AM - 06:00 AM	53.5	45.1	08:35 AM - 08:40 AM	52.0	46.4
03:20 AM - 03:25 AM	43.6	39.6	06:00 AM - 06:05 AM	51.2	45.4	08:40 AM - 08:45 AM	59.4	47.7
03:25 AM - 03:30 AM	44.6	39.6	06:05 AM - 06:10 AM	52.0	44.6	08:45 AM - 08:50 AM	55.7	47.7
03:30 AM - 03:35 AM	39.9	39.0	06:10 AM - 06:15 AM	53.8	46.0	08:50 AM - 08:55 AM	53.7	45.4
03:35 AM - 03:40 AM	40.4	38.7	06:15 AM - 06:20 AM	54.4	45.5	08:55 AM - 09:00 AM	56.4	47.8
03:40 AM - 03:45 AM	40.2	38.5	06:20 AM - 06:25 AM	51.6	46.7	09:00 AM - 09:05 AM	58.1	50.0
03:45 AM - 03:50 AM	39.3	38.3	06:25 AM - 06:30 AM	53.2	47.1	09:05 AM - 09:10 AM	62.7	48.5
03:50 AM - 03:55 AM	41.2	38.9	06:30 AM - 06:35 AM	58.6	48.7	09:10 AM - 09:15 AM	56.2	44.5
03:55 AM - 04:00 AM	40.4	38.8	06:35 AM - 06:40 AM	56.6	48.5	09:15 AM - 09:20 AM	60.1	48.7
04:00 AM - 04:05 AM	42.8	38.8	06:40 AM - 06:45 AM	58.2	50.8	09:20 AM - 09:25 AM	54.5	47.6
04:05 AM - 04:10 AM	43.7	39.2	06:45 AM - 06:50 AM	55.1	49.5	09:25 AM - 09:30 AM	63.7	48.7
04:10 AM - 04:15 AM	45.2	38.5	06:50 AM - 06:55 AM	63.3	52.5	09:30 AM - 09:35 AM	55.9	48.4
04:15 AM - 04:20 AM	41.7	38.7	06:55 AM - 07:00 AM	56.9	49.9	09:35 AM - 09:40 AM	62.1	46.4
04:20 AM - 04:25 AM	44.3	39.2	07:00 AM - 07:05 AM	59.4	49.8	09:40 AM - 09:45 AM	53.3	47.1
04:25 AM - 04:30 AM	48.9	40.0	07:05 AM - 07:10 AM	64.0	52.6	09:45 AM - 09:50 AM	55.8	48.2
04:30 AM - 04:35 AM	48.4	40.3	07:10 AM - 07:15 AM	61.0	50.0	09:50 AM - 09:55 AM	53.1	49.0
04:35 AM - 04:40 AM	52.1	40.3	07:15 AM - 07:20 AM	60.0	50.5	09:55 AM - 10:00 AM	54.0	50.0
04:40 AM - 04:45 AM	47.5	40.0	07:20 AM - 07:25 AM	60.0	51.2	10:00 AM - 10:05 AM	60.8	48.6
04:45 AM - 04:50 AM	47.8	39.6	07:25 AM - 07:30 AM	59.9	50.8	10:05 AM - 10:10 AM	57.6	50.4
04:50 AM - 04:55 AM	48.3	40.3	07:30 AM - 07:35 AM	58.7	50.1	10:10 AM - 10:15 AM	66.3	50.7
04:55 AM - 05:00 AM	51.4	41.6	07:35 AM - 07:40 AM	58.1	49.6	10:15 AM - 10:20 AM	56.9	49.8
05:00 AM - 05:05 AM	46.3	41.2	07:40 AM - 07:45 AM	57.7	50.3	10:20 AM - 10:25 AM	56.8	48.4
05:05 AM - 05:10 AM	46.8	41.4	07:45 AM - 07:50 AM	58.2	49.2	10:25 AM - 10:30 AM	61.3	47.8
05:10 AM - 05:15 AM	48.2	41.0	07:50 AM - 07:55 AM	62.8	47.4	10:30 AM - 10:35 AM	59.9	48.3
05:15 AM - 05:20 AM	48.3	41.3	07:55 AM - 08:00 AM	56.5	49.1	10:35 AM - 10:40 AM	55.8	47.9
05:20 AM - 05:25 AM	47.6	42.5	08:00 AM - 08:05 AM	57.7	47.9	10:40 AM - 10:45 AM	55.9	47.6
05:25 AM - 05:30 AM	54.1	44.2	08:05 AM - 08:10 AM	61.9	47.1	10:45 AM - 10:50 AM	51.1	46.8
05:30 AM - 05:35 AM	52.4	44.5	08:10 AM - 08:15 AM	59.7	49.2	10:50 AM - 10:55 AM	53.3	46.5
05:35 AM - 05:40 AM	47.1	42.3	08:15 AM - 08:20 AM	62.5	48.8	10:55 AM - 11:00 AM	59.9	47.1

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Approved by

Sarayuth Jittrantont  
Assistant General Manager



## Analysis / Test Report

Client : Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140  
P/O : RJN(2)-004/066  
Project Name : Pluak Daeng  
Project Location :

Lot ID: 23115911  
Date Received : Nov 03, 2023  
Date Reported : Nov 07, 2023  
Report Number : 2828280-1

Page 1 of 3

Sample Number 23115911-7  
Parameter Noise Level (Leq 5 min)  
Location บ้านวังตาลหมอน (N1) (GPS 47P 0734063, 1432127)  
Measurement Date Nov 02 - Nov 03, 2023  
Measurement by Saknarin Jaraskay  
Sound Level meter Serial No. 00296518

Nov 02, 2023 Time	Leq dB(A)	L90 dB(A)	Nov 02, 2023 Time	Leq dB(A)	L90 dB(A)	Nov 02, 2023 Time	Leq dB(A)	L90 dB(A)
11:00 AM - 11:05 AM	55.1	46.8	01:40 PM - 01:45 PM	62.8	62.5	04:20 PM - 04:25 PM	59.4	46.3
11:05 AM - 11:10 AM	52.2	48.0	01:45 PM - 01:50 PM	63.1	62.4	04:25 PM - 04:30 PM	61.7	52.5
11:10 AM - 11:15 AM	60.4	48.3	01:50 PM - 01:55 PM	62.8	50.9	04:30 PM - 04:35 PM	56.6	50.2
11:15 AM - 11:20 AM	57.2	48.4	01:55 PM - 02:00 PM	58.4	45.7	04:35 PM - 04:40 PM	59.0	48.2
11:20 AM - 11:25 AM	58.2	49.1	02:00 PM - 02:05 PM	53.0	42.0	04:40 PM - 04:45 PM	65.1	50.1
11:25 AM - 11:30 AM	57.3	48.4	02:05 PM - 02:10 PM	54.7	44.3	04:45 PM - 04:50 PM	57.2	49.6
11:30 AM - 11:35 AM	57.9	49.0	02:10 PM - 02:15 PM	53.0	43.6	04:50 PM - 04:55 PM	60.2	49.2
11:35 AM - 11:40 AM	57.3	49.5	02:15 PM - 02:20 PM	51.3	48.9	04:55 PM - 05:00 PM	59.2	54.3
11:40 AM - 11:45 AM	62.5	49.2	02:20 PM - 02:25 PM	59.0	50.6	05:00 PM - 05:05 PM	61.0	50.9
11:45 AM - 11:50 AM	50.8	48.5	02:25 PM - 02:30 PM	65.4	48.9	05:05 PM - 05:10 PM	57.2	50.5
11:50 AM - 11:55 AM	55.8	49.0	02:30 PM - 02:35 PM	55.3	49.3	05:10 PM - 05:15 PM	59.0	50.6
11:55 AM - 12:00 PM	50.0	46.3	02:35 PM - 02:40 PM	54.0	50.0	05:15 PM - 05:20 PM	57.2	51.0
12:00 PM - 12:05 PM	55.6	48.1	02:40 PM - 02:45 PM	56.2	50.3	05:20 PM - 05:25 PM	59.2	49.6
12:05 PM - 12:10 PM	57.4	46.5	02:45 PM - 02:50 PM	53.4	50.7	05:25 PM - 05:30 PM	61.9	49.7
12:10 PM - 12:15 PM	53.7	43.6	02:50 PM - 02:55 PM	55.1	46.7	05:30 PM - 05:35 PM	69.4	49.9
12:15 PM - 12:20 PM	52.1	45.7	02:55 PM - 03:00 PM	54.1	47.6	05:35 PM - 05:40 PM	61.1	50.3
12:20 PM - 12:25 PM	64.8	46.8	03:00 PM - 03:05 PM	53.9	46.9	05:40 PM - 05:45 PM	55.1	49.5
12:25 PM - 12:30 PM	49.5	42.6	03:05 PM - 03:10 PM	50.2	45.0	05:45 PM - 05:50 PM	57.8	50.7
12:30 PM - 12:35 PM	52.7	43.3	03:10 PM - 03:15 PM	58.7	47.9	05:50 PM - 05:55 PM	55.8	51.0
12:35 PM - 12:40 PM	49.0	42.3	03:15 PM - 03:20 PM	54.8	49.0	05:55 PM - 06:00 PM	60.8	49.0
12:40 PM - 12:45 PM	54.2	44.1	03:20 PM - 03:25 PM	53.4	48.8	06:00 PM - 06:05 PM	68.1	49.3
12:45 PM - 12:50 PM	50.2	43.3	03:25 PM - 03:30 PM	55.4	50.4	06:05 PM - 06:10 PM	59.4	46.0
12:50 PM - 12:55 PM	53.1	46.3	03:30 PM - 03:35 PM	54.4	50.0	06:10 PM - 06:15 PM	57.4	45.2
12:55 PM - 01:00 PM	54.2	46.9	03:35 PM - 03:40 PM	52.8	50.2	06:15 PM - 06:20 PM	53.0	46.6
01:00 PM - 01:05 PM	63.8	46.0	03:40 PM - 03:45 PM	55.9	50.1	06:20 PM - 06:25 PM	53.6	47.4
01:05 PM - 01:10 PM	56.5	47.9	03:45 PM - 03:50 PM	57.6	48.2	06:25 PM - 06:30 PM	54.1	47.4
01:10 PM - 01:15 PM	55.1	47.8	03:50 PM - 03:55 PM	54.1	49.2	06:30 PM - 06:35 PM	57.2	47.3
01:15 PM - 01:20 PM	57.3	47.2	03:55 PM - 04:00 PM	55.2	46.9	06:35 PM - 06:40 PM	52.4	47.9
01:20 PM - 01:25 PM	53.2	46.3	04:00 PM - 04:05 PM	54.5	45.7	06:40 PM - 06:45 PM	54.7	47.5
01:25 PM - 01:30 PM	63.6	62.2	04:05 PM - 04:10 PM	54.2	47.4	06:45 PM - 06:50 PM	52.4	47.0
01:30 PM - 01:35 PM	62.8	62.5	04:10 PM - 04:15 PM	59.4	47.0	06:50 PM - 06:55 PM	55.5	47.6
01:35 PM - 01:40 PM	63.3	62.4	04:15 PM - 04:20 PM	59.7	46.2	06:55 PM - 07:00 PM	54.1	47.4

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Approved by

Sarayuth Jittrantont  
Assistant General Manager



## Analysis / Test Report

Client : Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140  
P/O : RJN(2)-004/066  
Project Name : Pluak Daeng  
Project Location :

Lot ID: 23115911  
Date Received : Nov 03, 2023  
Date Reported : Nov 07, 2023  
Report Number : 2828280-1

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Sample Number 23115911-7  
Parameter Noise Level (Leq 5 min)  
Location บ้านวังตาลหมอน (N1) (GPS 47P 0734063, 1432127)  
Measurement Date Nov 02 - Nov 03, 2023  
Measurement by Saknarin Jaraskay  
Sound Level meter Serial No. 00296518

Nov 02, 2023	Leq	L90	Nov 02 - Nov 03, 2023	Leq	L90	Nov 03, 2023	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
07:00 PM - 07:05 PM	54.1	48.3	09:40 PM - 09:45 PM	62.7	46.2	12:20 AM - 12:25 AM	45.3	40.4
07:05 PM - 07:10 PM	57.4	47.8	09:45 PM - 09:50 PM	60.4	44.0	12:25 AM - 12:30 AM	43.1	40.1
07:10 PM - 07:15 PM	53.4	47.6	09:50 PM - 09:55 PM	54.9	44.7	12:30 AM - 12:35 AM	43.4	39.6
07:15 PM - 07:20 PM	59.8	47.3	09:55 PM - 10:00 PM	49.1	42.3	12:35 AM - 12:40 AM	41.5	40.1
07:20 PM - 07:25 PM	56.2	45.3	10:00 PM - 10:05 PM	45.5	40.8	12:40 AM - 12:45 AM	45.6	40.0
07:25 PM - 07:30 PM	53.4	45.0	10:05 PM - 10:10 PM	53.5	41.9	12:45 AM - 12:50 AM	43.5	39.5
07:30 PM - 07:35 PM	52.5	44.1	10:10 PM - 10:15 PM	47.9	42.2	12:50 AM - 12:55 AM	45.5	39.3
07:35 PM - 07:40 PM	54.5	44.2	10:15 PM - 10:20 PM	47.9	41.6	12:55 AM - 01:00 AM	46.9	40.7
07:40 PM - 07:45 PM	49.6	44.4	10:20 PM - 10:25 PM	50.0	41.7	01:00 AM - 01:05 AM	43.1	40.2
07:45 PM - 07:50 PM	49.9	44.1	10:25 PM - 10:30 PM	48.6	42.2	01:05 AM - 01:10 AM	42.0	40.9
07:50 PM - 07:55 PM	54.5	43.6	10:30 PM - 10:35 PM	50.8	42.6	01:10 AM - 01:15 AM	43.2	40.6
07:55 PM - 08:00 PM	48.6	43.5	10:35 PM - 10:40 PM	46.5	41.4	01:15 AM - 01:20 AM	45.4	40.7
08:00 PM - 08:05 PM	54.0	43.7	10:40 PM - 10:45 PM	46.2	42.0	01:20 AM - 01:25 AM	41.6	40.5
08:05 PM - 08:10 PM	61.9	45.8	10:45 PM - 10:50 PM	44.8	41.5	01:25 AM - 01:30 AM	53.6	41.4
08:10 PM - 08:15 PM	52.0	46.0	10:50 PM - 10:55 PM	47.6	41.4	01:30 AM - 01:35 AM	43.8	41.1
08:15 PM - 08:20 PM	53.6	46.3	10:55 PM - 11:00 PM	48.6	41.6	01:35 AM - 01:40 AM	41.8	40.3
08:20 PM - 08:25 PM	51.2	46.6	11:00 PM - 11:05 PM	49.8	41.6	01:40 AM - 01:45 AM	44.8	42.4
08:25 PM - 08:30 PM	58.1	47.2	11:05 PM - 11:10 PM	48.4	41.9	01:45 AM - 01:50 AM	43.8	42.6
08:30 PM - 08:35 PM	51.5	44.4	11:10 PM - 11:15 PM	45.9	41.0	01:50 AM - 01:55 AM	43.6	41.9
08:35 PM - 08:40 PM	51.9	45.4	11:15 PM - 11:20 PM	45.5	40.4	01:55 AM - 02:00 AM	45.6	42.5
08:40 PM - 08:45 PM	51.7	46.4	11:20 PM - 11:25 PM	48.0	41.3	02:00 AM - 02:05 AM	43.1	41.9
08:45 PM - 08:50 PM	50.3	44.4	11:25 PM - 11:30 PM	47.8	41.5	02:05 AM - 02:10 AM	40.8	38.7
08:50 PM - 08:55 PM	47.2	44.3	11:30 PM - 11:35 PM	44.4	40.2	02:10 AM - 02:15 AM	42.7	39.2
08:55 PM - 09:00 PM	51.0	43.4	11:35 PM - 11:40 PM	47.9	39.5	02:15 AM - 02:20 AM	40.8	39.2
09:00 PM - 09:05 PM	47.3	43.0	11:40 PM - 11:45 PM	43.1	39.2	02:20 AM - 02:25 AM	39.9	38.9
09:05 PM - 09:10 PM	49.6	43.4	11:45 PM - 11:50 PM	43.6	40.1	02:25 AM - 02:30 AM	41.0	39.1
09:10 PM - 09:15 PM	47.1	42.9	11:50 PM - 11:55 PM	43.8	39.9	02:30 AM - 02:35 AM	41.0	39.5
09:15 PM - 09:20 PM	46.8	42.1	11:55 PM - 12:00 AM	48.4	40.7	02:35 AM - 02:40 AM	44.2	39.6
09:20 PM - 09:25 PM	45.2	41.6	12:00 AM - 12:05 AM	42.7	40.1	02:40 AM - 02:45 AM	42.7	38.7
09:25 PM - 09:30 PM	48.0	41.7	12:05 AM - 12:10 AM	43.2	40.0	02:45 AM - 02:50 AM	45.8	39.3
09:30 PM - 09:35 PM	46.4	41.8	12:10 AM - 12:15 AM	43.8	40.5	02:50 AM - 02:55 AM	49.5	39.7
09:35 PM - 09:40 PM	64.1	43.3	12:15 AM - 12:20 AM	42.0	39.9	02:55 AM - 03:00 AM	42.9	40.4

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Approved by

Sarayuth Jittrantont  
Assistant General Manager



## Analysis / Test Report

Client : Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140  
P/O : RJN(2)-004/066  
Project Name : Pluak Daeng  
Project Location :

Lot ID: 23115911  
Date Received : Nov 03, 2023  
Date Reported : Nov 07, 2023  
Report Number : 2828280-1

Page 3 of 3

Sample Number 23115911-7  
Parameter Noise Level (Leq 5 min)  
Location บ้านวังตาลหมอน (N1) (GPS 47P 0734063, 1432127)  
Measurement Date Nov 02 - Nov 03, 2023  
Measurement by Saknarin Jaraskay  
Sound Level meter Serial No. 00296518

Nov 03, 2023 Time	Leq dB(A)	L90 dB(A)	Nov 03, 2023 Time	Leq dB(A)	L90 dB(A)	Nov 03, 2023 Time	Leq dB(A)	L90 dB(A)
03:00 AM - 03:05 AM	42.7	41.0	05:40 AM - 05:45 AM	54.4	45.2	08:20 AM - 08:25 AM	55.8	50.6
03:05 AM - 03:10 AM	42.3	40.2	05:45 AM - 05:50 AM	53.7	45.5	08:25 AM - 08:30 AM	54.2	50.4
03:10 AM - 03:15 AM	47.1	39.9	05:50 AM - 05:55 AM	57.9	48.7	08:30 AM - 08:35 AM	56.9	49.7
03:15 AM - 03:20 AM	42.0	39.9	05:55 AM - 06:00 AM	51.7	46.4	08:35 AM - 08:40 AM	59.3	50.4
03:20 AM - 03:25 AM	40.6	39.9	06:00 AM - 06:05 AM	53.1	48.3	08:40 AM - 08:45 AM	59.4	49.2
03:25 AM - 03:30 AM	43.9	40.8	06:05 AM - 06:10 AM	52.9	47.4	08:45 AM - 08:50 AM	60.9	50.2
03:30 AM - 03:35 AM	42.8	42.0	06:10 AM - 06:15 AM	62.0	48.8	08:50 AM - 08:55 AM	55.3	50.2
03:35 AM - 03:40 AM	42.3	40.9	06:15 AM - 06:20 AM	54.1	48.2	08:55 AM - 09:00 AM	59.5	49.6
03:40 AM - 03:45 AM	46.5	41.7	06:20 AM - 06:25 AM	58.6	48.8	09:00 AM - 09:05 AM	58.5	49.6
03:45 AM - 03:50 AM	45.1	42.4	06:25 AM - 06:30 AM	58.6	48.3	09:05 AM - 09:10 AM	61.6	49.9
03:50 AM - 03:55 AM	43.1	42.1	06:30 AM - 06:35 AM	55.6	48.3	09:10 AM - 09:15 AM	58.8	49.7
03:55 AM - 04:00 AM	49.2	42.3	06:35 AM - 06:40 AM	56.0	49.4	09:15 AM - 09:20 AM	58.6	49.0
04:00 AM - 04:05 AM	42.7	41.5	06:40 AM - 06:45 AM	63.4	49.6	09:20 AM - 09:25 AM	55.1	47.6
04:05 AM - 04:10 AM	41.4	40.8	06:45 AM - 06:50 AM	59.5	50.7	09:25 AM - 09:30 AM	60.1	47.2
04:10 AM - 04:15 AM	43.0	40.8	06:50 AM - 06:55 AM	58.8	51.0	09:30 AM - 09:35 AM	57.9	48.7
04:15 AM - 04:20 AM	42.3	40.0	06:55 AM - 07:00 AM	64.7	52.2	09:35 AM - 09:40 AM	59.7	50.1
04:20 AM - 04:25 AM	45.5	39.6	07:00 AM - 07:05 AM	60.7	52.0	09:40 AM - 09:45 AM	63.8	48.7
04:25 AM - 04:30 AM	43.3	40.4	07:05 AM - 07:10 AM	60.7	52.3	09:45 AM - 09:50 AM	52.5	46.2
04:30 AM - 04:35 AM	48.1	41.8	07:10 AM - 07:15 AM	60.6	53.2	09:50 AM - 09:55 AM	52.5	44.8
04:35 AM - 04:40 AM	48.2	41.3	07:15 AM - 07:20 AM	60.8	52.2	09:55 AM - 10:00 AM	53.8	43.8
04:40 AM - 04:45 AM	40.6	38.5	07:20 AM - 07:25 AM	62.1	52.5	10:00 AM - 10:05 AM	66.7	47.2
04:45 AM - 04:50 AM	44.5	40.4	07:25 AM - 07:30 AM	58.0	50.9	10:05 AM - 10:10 AM	53.1	46.0
04:50 AM - 04:55 AM	55.8	44.5	07:30 AM - 07:35 AM	56.8	50.0	10:10 AM - 10:15 AM	53.3	42.1
04:55 AM - 05:00 AM	48.3	44.8	07:35 AM - 07:40 AM	60.4	50.7	10:15 AM - 10:20 AM	61.7	49.1
05:00 AM - 05:05 AM	46.9	43.2	07:40 AM - 07:45 AM	59.8	50.6	10:20 AM - 10:25 AM	63.5	47.2
05:05 AM - 05:10 AM	48.7	43.5	07:45 AM - 07:50 AM	53.1	47.9	10:25 AM - 10:30 AM	53.4	46.3
05:10 AM - 05:15 AM	47.8	43.4	07:50 AM - 07:55 AM	60.3	51.5	10:30 AM - 10:35 AM	49.5	44.1
05:15 AM - 05:20 AM	48.0	43.4	07:55 AM - 08:00 AM	57.5	49.5	10:35 AM - 10:40 AM	50.5	45.3
05:20 AM - 05:25 AM	54.4	45.7	08:00 AM - 08:05 AM	61.6	50.9	10:40 AM - 10:45 AM	60.0	50.9
05:25 AM - 05:30 AM	52.4	47.2	08:05 AM - 08:10 AM	57.6	50.8	10:45 AM - 10:50 AM	59.8	50.2
05:30 AM - 05:35 AM	51.9	44.3	08:10 AM - 08:15 AM	63.2	49.9	10:50 AM - 10:55 AM	56.3	48.8
05:35 AM - 05:40 AM	49.7	45.3	08:15 AM - 08:20 AM	60.4	49.9	10:55 AM - 11:00 AM	61.3	48.4

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Approved by

Sarayuth Jittrantont  
Assistant General Manager



## Analysis / Test Report

Client : Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140  
P/O : RJN(2)-004/066  
Project Name : Pluak Daeng  
Project Location :

Lot ID: 23115911  
Date Received : Nov 03, 2023  
Date Reported : Nov 07, 2023  
Report Number : 2828281-1

Page 1 of 3

Sample Number : 23115911-8  
Parameter : Noise Level (Leq 5 min)  
Location : บ้านพักอาศัย หมู่ 2 ซ.มาบยางพร 15 (N2) (GPS 47P 0733642, 1434006)  
Measurement Date : Oct 27 - Oct 28, 2023  
Measurement by : Saknarin Jaraskay  
Sound Level meter : Serial No. 597167

Oct 27, 2023 Time	Leq dB(A)	L90 dB(A)	Oct 27, 2023 Time	Leq dB(A)	L90 dB(A)	Oct 27, 2023 Time	Leq dB(A)	L90 dB(A)
11:00 AM - 11:05 AM	56.7	38.7	01:40 PM - 01:45 PM	52.4	40.1	04:20 PM - 04:25 PM	52.8	39.7
11:05 AM - 11:10 AM	55.1	38.2	01:45 PM - 01:50 PM	64.1	39.0	04:25 PM - 04:30 PM	55.1	40.5
11:10 AM - 11:15 AM	53.5	41.2	01:50 PM - 01:55 PM	64.0	42.5	04:30 PM - 04:35 PM	55.4	39.7
11:15 AM - 11:20 AM	52.5	39.8	01:55 PM - 02:00 PM	53.9	39.1	04:35 PM - 04:40 PM	57.4	43.9
11:20 AM - 11:25 AM	55.4	41.8	02:00 PM - 02:05 PM	52.0	40.5	04:40 PM - 04:45 PM	58.2	42.0
11:25 AM - 11:30 AM	63.0	41.3	02:05 PM - 02:10 PM	61.5	40.9	04:45 PM - 04:50 PM	55.0	41.6
11:30 AM - 11:35 AM	56.1	42.9	02:10 PM - 02:15 PM	66.5	42.5	04:50 PM - 04:55 PM	60.2	44.0
11:35 AM - 11:40 AM	58.0	42.6	02:15 PM - 02:20 PM	58.2	42.6	04:55 PM - 05:00 PM	60.3	42.1
11:40 AM - 11:45 AM	55.5	42.3	02:20 PM - 02:25 PM	62.8	42.1	05:00 PM - 05:05 PM	61.2	44.9
11:45 AM - 11:50 AM	57.3	42.0	02:25 PM - 02:30 PM	56.6	41.2	05:05 PM - 05:10 PM	61.0	47.7
11:50 AM - 11:55 AM	57.7	41.9	02:30 PM - 02:35 PM	50.6	39.0	05:10 PM - 05:15 PM	61.1	45.4
11:55 AM - 12:00 PM	60.8	43.9	02:35 PM - 02:40 PM	61.4	40.3	05:15 PM - 05:20 PM	62.2	47.0
12:00 PM - 12:05 PM	66.0	48.3	02:40 PM - 02:45 PM	58.4	41.5	05:20 PM - 05:25 PM	58.5	45.9
12:05 PM - 12:10 PM	59.3	44.5	02:45 PM - 02:50 PM	52.8	40.8	05:25 PM - 05:30 PM	58.4	46.6
12:10 PM - 12:15 PM	60.2	43.0	02:50 PM - 02:55 PM	52.3	39.5	05:30 PM - 05:35 PM	58.3	45.2
12:15 PM - 12:20 PM	55.7	41.6	02:55 PM - 03:00 PM	52.4	39.5	05:35 PM - 05:40 PM	59.1	44.5
12:20 PM - 12:25 PM	57.9	46.2	03:00 PM - 03:05 PM	52.7	41.4	05:40 PM - 05:45 PM	56.7	43.8
12:25 PM - 12:30 PM	54.0	41.4	03:05 PM - 03:10 PM	49.9	39.7	05:45 PM - 05:50 PM	60.6	45.3
12:30 PM - 12:35 PM	54.5	42.7	03:10 PM - 03:15 PM	54.1	39.5	05:50 PM - 05:55 PM	59.3	46.3
12:35 PM - 12:40 PM	60.8	44.0	03:15 PM - 03:20 PM	57.5	40.4	05:55 PM - 06:00 PM	64.1	47.9
12:40 PM - 12:45 PM	54.8	43.2	03:20 PM - 03:25 PM	58.5	41.9	06:00 PM - 06:05 PM	58.7	47.2
12:45 PM - 12:50 PM	57.5	40.0	03:25 PM - 03:30 PM	54.9	41.2	06:05 PM - 06:10 PM	57.6	48.5
12:50 PM - 12:55 PM	64.1	40.9	03:30 PM - 03:35 PM	56.4	42.7	06:10 PM - 06:15 PM	56.5	44.8
12:55 PM - 01:00 PM	60.9	45.8	03:35 PM - 03:40 PM	53.0	39.7	06:15 PM - 06:20 PM	56.8	45.2
01:00 PM - 01:05 PM	57.7	42.1	03:40 PM - 03:45 PM	55.5	40.1	06:20 PM - 06:25 PM	58.2	46.1
01:05 PM - 01:10 PM	57.8	41.5	03:45 PM - 03:50 PM	55.9	40.4	06:25 PM - 06:30 PM	57.7	45.3
01:10 PM - 01:15 PM	66.0	42.2	03:50 PM - 03:55 PM	53.5	42.1	06:30 PM - 06:35 PM	59.0	47.4
01:15 PM - 01:20 PM	59.6	41.1	03:55 PM - 04:00 PM	60.8	43.1	06:35 PM - 06:40 PM	60.0	49.3
01:20 PM - 01:25 PM	52.4	40.0	04:00 PM - 04:05 PM	52.5	41.7	06:40 PM - 06:45 PM	56.1	44.9
01:25 PM - 01:30 PM	58.4	40.0	04:05 PM - 04:10 PM	54.4	42.5	06:45 PM - 06:50 PM	56.4	46.1
01:30 PM - 01:35 PM	52.6	40.2	04:10 PM - 04:15 PM	53.3	39.9	06:50 PM - 06:55 PM	61.4	45.9
01:35 PM - 01:40 PM	62.7	42.4	04:15 PM - 04:20 PM	55.4	39.6	06:55 PM - 07:00 PM	57.4	45.5

Approved by

Sarayuth Jittrantont  
Assistant General Manager

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## Analysis / Test Report

Client : Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140  
P/O : RJN(2)-004/066  
Project Name : Pluak Daeng  
Project Location :

Lot ID: 23115911  
Date Received : Nov 03, 2023  
Date Reported : Nov 07, 2023  
Report Number : 2828281-1

Page 2 of 3

Sample Number 23115911-8  
Parameter Noise Level (Leq 5 min)  
Location บ้านพักอาศัย หมู่ 2 ซ.มาบยางพร 15 (N2) (GPS 47P 0733642, 1434006)  
Measurement Date Oct 27 - Oct 28, 2023  
Measurement by Saknarin Jaraskay  
Sound Level meter Serial No. 597167

Oct 27, 2023 Time	Leq dB(A)	L90 dB(A)	Oct 27 - Oct 28, 2023 Time	Leq dB(A)	L90 dB(A)	Oct 28, 2023 Time	Leq dB(A)	L90 dB(A)
07:00 PM - 07:05 PM	61.4	47.7	09:40 PM - 09:45 PM	56.2	40.7	12:20 AM - 12:25 AM	51.5	39.5
07:05 PM - 07:10 PM	57.7	45.6	09:45 PM - 09:50 PM	51.2	39.5	12:25 AM - 12:30 AM	43.0	39.6
07:10 PM - 07:15 PM	58.4	43.7	09:50 PM - 09:55 PM	48.6	40.3	12:30 AM - 12:35 AM	43.9	40.2
07:15 PM - 07:20 PM	57.2	44.8	09:55 PM - 10:00 PM	59.7	40.4	12:35 AM - 12:40 AM	49.1	40.3
07:20 PM - 07:25 PM	62.4	47.7	10:00 PM - 10:05 PM	50.7	40.1	12:40 AM - 12:45 AM	49.1	40.4
07:25 PM - 07:30 PM	59.1	46.3	10:05 PM - 10:10 PM	53.0	39.9	12:45 AM - 12:50 AM	46.0	40.4
07:30 PM - 07:35 PM	59.2	46.3	10:10 PM - 10:15 PM	60.7	40.7	12:50 AM - 12:55 AM	55.0	41.0
07:35 PM - 07:40 PM	58.2	43.6	10:15 PM - 10:20 PM	50.3	40.3	12:55 AM - 01:00 AM	47.2	40.3
07:40 PM - 07:45 PM	61.6	43.7	10:20 PM - 10:25 PM	50.0	39.1	01:00 AM - 01:05 AM	47.2	39.8
07:45 PM - 07:50 PM	58.6	42.2	10:25 PM - 10:30 PM	49.4	38.0	01:05 AM - 01:10 AM	45.6	39.9
07:50 PM - 07:55 PM	56.5	40.0	10:30 PM - 10:35 PM	46.4	38.5	01:10 AM - 01:15 AM	51.7	40.2
07:55 PM - 08:00 PM	56.4	40.5	10:35 PM - 10:40 PM	43.2	38.3	01:15 AM - 01:20 AM	48.6	39.6
08:00 PM - 08:05 PM	59.3	43.1	10:40 PM - 10:45 PM	51.1	38.6	01:20 AM - 01:25 AM	41.5	39.4
08:05 PM - 08:10 PM	61.2	41.9	10:45 PM - 10:50 PM	47.3	38.9	01:25 AM - 01:30 AM	44.8	36.6
08:10 PM - 08:15 PM	58.8	44.5	10:50 PM - 10:55 PM	43.8	38.6	01:30 AM - 01:35 AM	47.0	36.5
08:15 PM - 08:20 PM	58.2	44.9	10:55 PM - 11:00 PM	39.8	38.0	01:35 AM - 01:40 AM	45.8	37.9
08:20 PM - 08:25 PM	58.6	45.4	11:00 PM - 11:05 PM	43.9	38.2	01:40 AM - 01:45 AM	48.1	46.6
08:25 PM - 08:30 PM	57.2	42.8	11:05 PM - 11:10 PM	46.6	37.5	01:45 AM - 01:50 AM	47.6	46.2
08:30 PM - 08:35 PM	57.2	44.8	11:10 PM - 11:15 PM	48.5	37.8	01:50 AM - 01:55 AM	47.6	46.6
08:35 PM - 08:40 PM	55.6	44.0	11:15 PM - 11:20 PM	53.0	39.1	01:55 AM - 02:00 AM	49.9	46.4
08:40 PM - 08:45 PM	59.3	44.0	11:20 PM - 11:25 PM	43.6	38.9	02:00 AM - 02:05 AM	47.9	46.1
08:45 PM - 08:50 PM	56.4	44.0	11:25 PM - 11:30 PM	54.5	38.6	02:05 AM - 02:10 AM	47.2	39.3
08:50 PM - 08:55 PM	56.6	45.4	11:30 PM - 11:35 PM	41.1	39.1	02:10 AM - 02:15 AM	44.8	44.2
08:55 PM - 09:00 PM	57.4	45.3	11:35 PM - 11:40 PM	44.5	41.0	02:15 AM - 02:20 AM	44.3	43.8
09:00 PM - 09:05 PM	54.5	44.9	11:40 PM - 11:45 PM	44.4	38.7	02:20 AM - 02:25 AM	47.4	43.3
09:05 PM - 09:10 PM	52.7	44.9	11:45 PM - 11:50 PM	45.3	40.5	02:25 AM - 02:30 AM	45.0	43.3
09:10 PM - 09:15 PM	51.0	43.7	11:50 PM - 11:55 PM	47.8	41.0	02:30 AM - 02:35 AM	49.5	42.7
09:15 PM - 09:20 PM	52.7	41.5	11:55 PM - 12:00 AM	50.7	41.5	02:35 AM - 02:40 AM	44.9	42.1
09:20 PM - 09:25 PM	53.5	41.0	12:00 AM - 12:05 AM	53.2	40.1	02:40 AM - 02:45 AM	47.3	40.9
09:25 PM - 09:30 PM	55.4	43.2	12:05 AM - 12:10 AM	51.9	42.3	02:45 AM - 02:50 AM	43.4	40.0
09:30 PM - 09:35 PM	51.4	41.0	12:10 AM - 12:15 AM	48.6	42.6	02:50 AM - 02:55 AM	43.3	39.8
09:35 PM - 09:40 PM	51.6	41.3	12:15 AM - 12:20 AM	47.8	40.5	02:55 AM - 03:00 AM	45.5	39.9

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Approved by

Sarayuth Jittrantont  
Assistant General Manager





## Analysis / Test Report

Client : Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140  
P/O : RJN(2)-004/066  
Project Name : Pluak Daeng  
Project Location :

Lot ID: 23115911  
Date Received : Nov 03, 2023  
Date Reported : Nov 07, 2023  
Report Number : 2828281-1

Page 3 of 3

Sample Number 23115911-8  
Parameter Noise Level (Leq 5 min)  
Location บ้านพักอาศัย หมู่ 2 ซ.บางยางพร 15 (N2) (GPS 47P 0733642, 1434006)  
Measurement Date Oct 27 - Oct 28, 2023  
Measurement by Saknarin Jaraskay  
Sound Level meter Serial No. 597167

Oct 28, 2023 Time	Leq dB(A)	L90 dB(A)	Oct 28, 2023 Time	Leq dB(A)	L90 dB(A)	Oct 28, 2023 Time	Leq dB(A)	L90 dB(A)
03:00 AM - 03:05 AM	43.4	41.1	05:40 AM - 05:45 AM	51.3	38.0	08:20 AM - 08:25 AM	59.8	41.0
03:05 AM - 03:10 AM	42.5	41.1	05:45 AM - 05:50 AM	53.4	39.4	08:25 AM - 08:30 AM	63.5	44.6
03:10 AM - 03:15 AM	42.1	37.2	05:50 AM - 05:55 AM	53.3	40.0	08:30 AM - 08:35 AM	64.0	43.0
03:15 AM - 03:20 AM	47.5	36.9	05:55 AM - 06:00 AM	61.9	40.4	08:35 AM - 08:40 AM	60.2	40.5
03:20 AM - 03:25 AM	43.3	36.7	06:00 AM - 06:05 AM	53.4	41.1	08:40 AM - 08:45 AM	59.2	39.3
03:25 AM - 03:30 AM	43.5	38.2	06:05 AM - 06:10 AM	56.5	43.0	08:45 AM - 08:50 AM	59.9	41.2
03:30 AM - 03:35 AM	46.9	38.5	06:10 AM - 06:15 AM	57.6	41.5	08:50 AM - 08:55 AM	67.2	42.2
03:35 AM - 03:40 AM	45.7	38.7	06:15 AM - 06:20 AM	56.9	43.1	08:55 AM - 09:00 AM	63.9	41.1
03:40 AM - 03:45 AM	42.8	40.2	06:20 AM - 06:25 AM	58.6	44.5	09:00 AM - 09:05 AM	65.1	40.6
03:45 AM - 03:50 AM	50.7	39.4	06:25 AM - 06:30 AM	61.6	44.9	09:05 AM - 09:10 AM	58.2	41.8
03:50 AM - 03:55 AM	47.9	35.8	06:30 AM - 06:35 AM	57.5	43.9	09:10 AM - 09:15 AM	58.3	40.7
03:55 AM - 04:00 AM	52.3	36.7	06:35 AM - 06:40 AM	58.7	47.7	09:15 AM - 09:20 AM	67.9	43.5
04:00 AM - 04:05 AM	55.6	37.4	06:40 AM - 06:45 AM	61.6	51.2	09:20 AM - 09:25 AM	58.8	41.2
04:05 AM - 04:10 AM	45.8	37.1	06:45 AM - 06:50 AM	63.3	52.2	09:25 AM - 09:30 AM	61.5	41.9
04:10 AM - 04:15 AM	52.3	37.8	06:50 AM - 06:55 AM	63.4	47.8	09:30 AM - 09:35 AM	59.1	40.5
04:15 AM - 04:20 AM	46.6	38.0	06:55 AM - 07:00 AM	59.4	45.8	09:35 AM - 09:40 AM	55.0	41.7
04:20 AM - 04:25 AM	51.2	38.4	07:00 AM - 07:05 AM	61.7	51.3	09:40 AM - 09:45 AM	62.5	41.3
04:25 AM - 04:30 AM	49.6	39.5	07:05 AM - 07:10 AM	62.7	51.5	09:45 AM - 09:50 AM	61.9	40.7
04:30 AM - 04:35 AM	53.7	37.4	07:10 AM - 07:15 AM	63.6	50.4	09:50 AM - 09:55 AM	59.3	40.8
04:35 AM - 04:40 AM	53.3	38.1	07:15 AM - 07:20 AM	62.9	53.5	09:55 AM - 10:00 AM	60.8	42.3
04:40 AM - 04:45 AM	52.3	45.5	07:20 AM - 07:25 AM	62.6	53.9	10:00 AM - 10:05 AM	60.4	43.2
04:45 AM - 04:50 AM	49.6	45.6	07:25 AM - 07:30 AM	62.6	54.5	10:05 AM - 10:10 AM	64.3	43.3
04:50 AM - 04:55 AM	49.2	44.8	07:30 AM - 07:35 AM	61.7	52.5	10:10 AM - 10:15 AM	58.0	42.1
04:55 AM - 05:00 AM	49.1	39.3	07:35 AM - 07:40 AM	61.8	51.8	10:15 AM - 10:20 AM	66.6	45.2
05:00 AM - 05:05 AM	52.7	45.7	07:40 AM - 07:45 AM	64.9	53.4	10:20 AM - 10:25 AM	61.8	44.0
05:05 AM - 05:10 AM	55.0	44.6	07:45 AM - 07:50 AM	62.6	49.9	10:25 AM - 10:30 AM	62.4	42.9
05:10 AM - 05:15 AM	49.7	44.3	07:50 AM - 07:55 AM	61.6	47.4	10:30 AM - 10:35 AM	60.4	42.0
05:15 AM - 05:20 AM	53.1	45.2	07:55 AM - 08:00 AM	58.3	42.3	10:35 AM - 10:40 AM	56.3	40.0
05:20 AM - 05:25 AM	54.0	46.0	08:00 AM - 08:05 AM	59.8	44.5	10:40 AM - 10:45 AM	62.6	43.5
05:25 AM - 05:30 AM	51.2	37.5	08:05 AM - 08:10 AM	62.7	47.3	10:45 AM - 10:50 AM	56.4	40.5
05:30 AM - 05:35 AM	49.9	37.6	08:10 AM - 08:15 AM	56.2	43.1	10:50 AM - 10:55 AM	57.6	40.2
05:35 AM - 05:40 AM	55.2	37.9	08:15 AM - 08:20 AM	57.5	43.5	10:55 AM - 11:00 AM	64.7	44.4

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Approved by

Sarayuth Jittrantont  
Assistant General Manager



## Analysis / Test Report

Client : Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140  
P/O : RJN(2)-004/066  
Project Name : Pluak Daeng  
Project Location :

Lot ID: 23115911  
Date Received : Nov 03, 2023  
Date Reported : Nov 07, 2023  
Report Number : 2828282-1

Page 1 of 3

Sample Number : 23115911-9  
Parameter : Noise Level (Leq 5 min)  
Location : บ้านพักอาศัย หมู่ 2 ซ.มาบยางพร 15 (N2) (GPS 47P 0733642, 1434006)  
Measurement Date : Oct 28 - Oct 29, 2023  
Measurement by : Saknarin Jaraskay  
Sound Level meter : Serial No. 597167

Oct 28, 2023	Leq	L90	Oct 28, 2023	Leq	L90	Oct 28, 2023	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
11:00 AM - 11:05 AM	63.8	41.2	01:40 PM - 01:45 PM	60.9	42.7	04:20 PM - 04:25 PM	58.2	51.8
11:05 AM - 11:10 AM	63.7	40.8	01:45 PM - 01:50 PM	60.0	40.0	04:25 PM - 04:30 PM	56.8	50.8
11:10 AM - 11:15 AM	66.8	40.5	01:50 PM - 01:55 PM	66.3	41.1	04:30 PM - 04:35 PM	59.5	52.4
11:15 AM - 11:20 AM	63.9	43.6	01:55 PM - 02:00 PM	64.0	38.5	04:35 PM - 04:40 PM	62.1	56.6
11:20 AM - 11:25 AM	66.8	42.1	02:00 PM - 02:05 PM	65.0	38.7	04:40 PM - 04:45 PM	58.3	51.2
11:25 AM - 11:30 AM	63.0	39.6	02:05 PM - 02:10 PM	65.0	41.2	04:45 PM - 04:50 PM	60.8	55.3
11:30 AM - 11:35 AM	61.2	42.9	02:10 PM - 02:15 PM	60.7	38.4	04:50 PM - 04:55 PM	65.3	58.8
11:35 AM - 11:40 AM	62.1	42.6	02:15 PM - 02:20 PM	63.4	38.1	04:55 PM - 05:00 PM	58.0	50.9
11:40 AM - 11:45 AM	64.6	47.9	02:20 PM - 02:25 PM	63.4	38.9	05:00 PM - 05:05 PM	62.2	46.9
11:45 AM - 11:50 AM	63.1	45.4	02:25 PM - 02:30 PM	66.5	41.5	05:05 PM - 05:10 PM	60.5	49.4
11:50 AM - 11:55 AM	63.1	40.8	02:30 PM - 02:35 PM	61.0	40.9	05:10 PM - 05:15 PM	60.1	48.9
11:55 AM - 12:00 PM	60.3	43.9	02:35 PM - 02:40 PM	62.6	39.9	05:15 PM - 05:20 PM	61.8	49.7
12:00 PM - 12:05 PM	59.1	42.7	02:40 PM - 02:45 PM	58.3	39.9	05:20 PM - 05:25 PM	65.8	50.4
12:05 PM - 12:10 PM	64.5	45.9	02:45 PM - 02:50 PM	64.3	40.1	05:25 PM - 05:30 PM	59.2	46.4
12:10 PM - 12:15 PM	59.7	40.3	02:50 PM - 02:55 PM	66.9	40.9	05:30 PM - 05:35 PM	62.5	49.9
12:15 PM - 12:20 PM	64.0	38.1	02:55 PM - 03:00 PM	64.3	41.9	05:35 PM - 05:40 PM	59.2	50.5
12:20 PM - 12:25 PM	64.5	43.7	03:00 PM - 03:05 PM	65.9	45.4	05:40 PM - 05:45 PM	62.0	47.1
12:25 PM - 12:30 PM	66.2	43.2	03:05 PM - 03:10 PM	66.8	45.3	05:45 PM - 05:50 PM	59.6	47.1
12:30 PM - 12:35 PM	63.1	42.0	03:10 PM - 03:15 PM	60.0	40.5	05:50 PM - 05:55 PM	58.5	48.4
12:35 PM - 12:40 PM	60.7	41.5	03:15 PM - 03:20 PM	58.7	39.2	05:55 PM - 06:00 PM	57.8	49.2
12:40 PM - 12:45 PM	61.2	40.5	03:20 PM - 03:25 PM	63.2	41.3	06:00 PM - 06:05 PM	57.8	46.7
12:45 PM - 12:50 PM	62.6	44.3	03:25 PM - 03:30 PM	64.7	43.4	06:05 PM - 06:10 PM	61.9	45.3
12:50 PM - 12:55 PM	60.7	45.3	03:30 PM - 03:35 PM	61.0	40.5	06:10 PM - 06:15 PM	58.1	47.9
12:55 PM - 01:00 PM	65.0	41.6	03:35 PM - 03:40 PM	65.8	39.1	06:15 PM - 06:20 PM	57.1	42.0
01:00 PM - 01:05 PM	63.8	39.6	03:40 PM - 03:45 PM	63.9	41.1	06:20 PM - 06:25 PM	56.9	43.8
01:05 PM - 01:10 PM	65.9	40.8	03:45 PM - 03:50 PM	57.1	39.8	06:25 PM - 06:30 PM	56.9	46.4
01:10 PM - 01:15 PM	65.8	40.4	03:50 PM - 03:55 PM	63.2	42.0	06:30 PM - 06:35 PM	56.9	45.8
01:15 PM - 01:20 PM	64.2	40.8	03:55 PM - 04:00 PM	61.6	40.4	06:35 PM - 06:40 PM	57.9	47.8
01:20 PM - 01:25 PM	60.9	40.0	04:00 PM - 04:05 PM	63.6	41.1	06:40 PM - 06:45 PM	59.2	46.6
01:25 PM - 01:30 PM	66.7	42.7	04:05 PM - 04:10 PM	66.5	40.9	06:45 PM - 06:50 PM	55.7	44.7
01:30 PM - 01:35 PM	61.5	36.9	04:10 PM - 04:15 PM	64.2	38.6	06:50 PM - 06:55 PM	55.8	42.4
01:35 PM - 01:40 PM	62.3	40.9	04:15 PM - 04:20 PM	65.3	55.2	06:55 PM - 07:00 PM	58.5	45.6

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Approved by

Sarayuth Jittrantont  
Assistant General Manager



## Analysis / Test Report

Client : Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140  
P/O : RJN(2)-004/066  
Project Name : Pluak Daeng  
Project Location :

Lot ID: 23115911  
Date Received : Nov 03, 2023  
Date Reported : Nov 07, 2023  
Report Number : 2828282-1

Page 2 of 3

Sample Number 23115911-9  
Parameter Noise Level (Leq 5 min)  
Location บ้านพักอาศัย หมู่ 2 ซ.มาบยางพร 15 (N2) (GPS 47P 0733642, 1434006)  
Measurement Date Oct 28 - Oct 29, 2023  
Measurement by Saknarin Jaraskay  
Sound Level meter Serial No. 597167

Oct 28, 2023	Leq	L90	Oct 28 - Oct 29, 2023	Leq	L90	Oct 29, 2023	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
07:00 PM - 07:05 PM	58.9	44.2	09:40 PM - 09:45 PM	49.1	39.3	12:20 AM - 12:25 AM	45.8	34.6
07:05 PM - 07:10 PM	58.0	43.4	09:45 PM - 09:50 PM	49.2	38.9	12:25 AM - 12:30 AM	42.4	34.6
07:10 PM - 07:15 PM	57.5	46.4	09:50 PM - 09:55 PM	49.1	39.2	12:30 AM - 12:35 AM	46.3	35.6
07:15 PM - 07:20 PM	61.5	45.2	09:55 PM - 10:00 PM	48.6	39.9	12:35 AM - 12:40 AM	49.8	35.5
07:20 PM - 07:25 PM	61.0	49.9	10:00 PM - 10:05 PM	54.3	41.0	12:40 AM - 12:45 AM	40.6	35.8
07:25 PM - 07:30 PM	58.4	46.1	10:05 PM - 10:10 PM	51.3	40.1	12:45 AM - 12:50 AM	40.9	35.5
07:30 PM - 07:35 PM	57.5	45.6	10:10 PM - 10:15 PM	51.6	39.3	12:50 AM - 12:55 AM	49.0	35.8
07:35 PM - 07:40 PM	62.9	45.2	10:15 PM - 10:20 PM	51.2	39.3	12:55 AM - 01:00 AM	46.3	35.4
07:40 PM - 07:45 PM	57.7	43.5	10:20 PM - 10:25 PM	47.1	40.4	01:00 AM - 01:05 AM	40.0	35.1
07:45 PM - 07:50 PM	62.6	44.9	10:25 PM - 10:30 PM	48.4	38.5	01:05 AM - 01:10 AM	40.7	34.6
07:50 PM - 07:55 PM	56.8	41.3	10:30 PM - 10:35 PM	50.4	37.8	01:10 AM - 01:15 AM	48.8	35.3
07:55 PM - 08:00 PM	56.3	41.1	10:35 PM - 10:40 PM	49.9	36.9	01:15 AM - 01:20 AM	45.8	35.2
08:00 PM - 08:05 PM	59.9	40.7	10:40 PM - 10:45 PM	49.9	37.1	01:20 AM - 01:25 AM	40.5	35.7
08:05 PM - 08:10 PM	60.6	44.3	10:45 PM - 10:50 PM	45.4	37.8	01:25 AM - 01:30 AM	52.0	36.0
08:10 PM - 08:15 PM	60.2	43.9	10:50 PM - 10:55 PM	54.3	37.4	01:30 AM - 01:35 AM	48.1	36.1
08:15 PM - 08:20 PM	58.7	42.9	10:55 PM - 11:00 PM	43.9	37.1	01:35 AM - 01:40 AM	42.0	35.6
08:20 PM - 08:25 PM	57.2	43.3	11:00 PM - 11:05 PM	45.6	37.4	01:40 AM - 01:45 AM	48.6	35.5
08:25 PM - 08:30 PM	60.2	43.4	11:05 PM - 11:10 PM	47.6	37.2	01:45 AM - 01:50 AM	46.9	34.8
08:30 PM - 08:35 PM	55.4	41.5	11:10 PM - 11:15 PM	44.0	36.4	01:50 AM - 01:55 AM	39.5	35.1
08:35 PM - 08:40 PM	56.0	42.2	11:15 PM - 11:20 PM	48.5	37.0	01:55 AM - 02:00 AM	46.9	35.4
08:40 PM - 08:45 PM	56.0	41.7	11:20 PM - 11:25 PM	47.2	36.0	02:00 AM - 02:05 AM	39.8	35.8
08:45 PM - 08:50 PM	56.3	42.0	11:25 PM - 11:30 PM	42.8	35.5	02:05 AM - 02:10 AM	40.0	36.3
08:50 PM - 08:55 PM	54.0	41.5	11:30 PM - 11:35 PM	46.2	35.2	02:10 AM - 02:15 AM	40.1	36.7
08:55 PM - 09:00 PM	52.5	41.4	11:35 PM - 11:40 PM	44.8	36.2	02:15 AM - 02:20 AM	38.3	34.8
09:00 PM - 09:05 PM	53.7	40.5	11:40 PM - 11:45 PM	46.4	36.2	02:20 AM - 02:25 AM	35.4	33.8
09:05 PM - 09:10 PM	54.8	39.7	11:45 PM - 11:50 PM	40.5	36.2	02:25 AM - 02:30 AM	51.8	33.8
09:10 PM - 09:15 PM	55.3	39.9	11:50 PM - 11:55 PM	49.0	37.2	02:30 AM - 02:35 AM	39.7	33.8
09:15 PM - 09:20 PM	47.9	39.2	11:55 PM - 12:00 AM	41.5	36.2	02:35 AM - 02:40 AM	41.0	33.7
09:20 PM - 09:25 PM	54.4	39.6	12:00 AM - 12:05 AM	47.9	36.2	02:40 AM - 02:45 AM	34.2	33.2
09:25 PM - 09:30 PM	52.8	39.4	12:05 AM - 12:10 AM	47.1	36.4	02:45 AM - 02:50 AM	43.1	33.9
09:30 PM - 09:35 PM	50.0	37.7	12:10 AM - 12:15 AM	43.0	35.9	02:50 AM - 02:55 AM	34.9	33.7
09:35 PM - 09:40 PM	52.3	40.7	12:15 AM - 12:20 AM	38.3	35.6	02:55 AM - 03:00 AM	41.8	33.5

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Approved by

Sarayuth Jittrantont  
Assistant General Manager



## Analysis / Test Report

Client : Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140  
P/O : RJN(2)-004/066  
Project Name : Pluak Daeng  
Project Location :

Lot ID: 23115911  
Date Received : Nov 03, 2023  
Date Reported : Nov 07, 2023  
Report Number : 2828282-1

Page 3 of 3

Sample Number 23115911-9  
Parameter Noise Level (Leq 5 min)  
Location บ้านพักอาศัย หมู่ 2 ซ.มาบยางพร 15 (N2) (GPS 47P 0733642, 1434006)  
Measurement Date Oct 28 - Oct 29, 2023  
Measurement by Saknarin Jaraskay  
Sound Level meter Serial No. 597167

Oct 29, 2023 Time	Leq dB(A)	L90 dB(A)	Oct 29, 2023 Time	Leq dB(A)	L90 dB(A)	Oct 29, 2023 Time	Leq dB(A)	L90 dB(A)
03:00 AM - 03:05 AM	49.1	33.3	05:40 AM - 05:45 AM	53.9	38.4	08:20 AM - 08:25 AM	59.9	42.0
03:05 AM - 03:10 AM	40.3	33.3	05:45 AM - 05:50 AM	55.0	38.8	08:25 AM - 08:30 AM	55.1	38.7
03:10 AM - 03:15 AM	38.0	33.2	05:50 AM - 05:55 AM	52.4	38.3	08:30 AM - 08:35 AM	61.0	39.2
03:15 AM - 03:20 AM	45.3	33.5	05:55 AM - 06:00 AM	54.5	40.1	08:35 AM - 08:40 AM	62.3	41.8
03:20 AM - 03:25 AM	42.2	34.1	06:00 AM - 06:05 AM	57.0	40.7	08:40 AM - 08:45 AM	61.0	40.5
03:25 AM - 03:30 AM	37.8	35.2	06:05 AM - 06:10 AM	57.6	41.2	08:45 AM - 08:50 AM	64.0	38.9
03:30 AM - 03:35 AM	37.6	35.2	06:10 AM - 06:15 AM	58.7	40.2	08:50 AM - 08:55 AM	61.5	36.4
03:35 AM - 03:40 AM	43.2	34.4	06:15 AM - 06:20 AM	57.2	43.7	08:55 AM - 09:00 AM	60.9	39.7
03:40 AM - 03:45 AM	45.8	33.8	06:20 AM - 06:25 AM	58.3	42.9	09:00 AM - 09:05 AM	62.3	38.2
03:45 AM - 03:50 AM	44.4	35.1	06:25 AM - 06:30 AM	56.6	42.2	09:05 AM - 09:10 AM	62.1	40.1
03:50 AM - 03:55 AM	37.9	35.7	06:30 AM - 06:35 AM	59.7	45.6	09:10 AM - 09:15 AM	62.8	39.5
03:55 AM - 04:00 AM	46.7	35.3	06:35 AM - 06:40 AM	66.0	45.7	09:15 AM - 09:20 AM	64.4	40.1
04:00 AM - 04:05 AM	36.4	33.8	06:40 AM - 06:45 AM	61.9	47.2	09:20 AM - 09:25 AM	59.4	39.3
04:05 AM - 04:10 AM	41.9	33.4	06:45 AM - 06:50 AM	61.0	45.3	09:25 AM - 09:30 AM	63.1	39.1
04:10 AM - 04:15 AM	36.4	33.3	06:50 AM - 06:55 AM	59.0	47.4	09:30 AM - 09:35 AM	60.8	36.8
04:15 AM - 04:20 AM	41.7	34.9	06:55 AM - 07:00 AM	61.6	46.8	09:35 AM - 09:40 AM	63.7	39.5
04:20 AM - 04:25 AM	50.9	35.4	07:00 AM - 07:05 AM	62.3	47.4	09:40 AM - 09:45 AM	60.8	39.1
04:25 AM - 04:30 AM	47.2	35.4	07:05 AM - 07:10 AM	61.0	46.1	09:45 AM - 09:50 AM	57.7	39.9
04:30 AM - 04:35 AM	48.6	36.3	07:10 AM - 07:15 AM	61.4	49.8	09:50 AM - 09:55 AM	59.3	38.8
04:35 AM - 04:40 AM	52.1	35.3	07:15 AM - 07:20 AM	63.4	53.1	09:55 AM - 10:00 AM	62.3	37.2
04:40 AM - 04:45 AM	41.2	35.1	07:20 AM - 07:25 AM	62.0	49.9	10:00 AM - 10:05 AM	59.9	34.8
04:45 AM - 04:50 AM	54.6	36.0	07:25 AM - 07:30 AM	62.5	52.5	10:05 AM - 10:10 AM	59.3	38.1
04:50 AM - 04:55 AM	48.6	35.3	07:30 AM - 07:35 AM	64.4	52.1	10:10 AM - 10:15 AM	60.7	36.6
04:55 AM - 05:00 AM	44.9	34.9	07:35 AM - 07:40 AM	62.8	50.7	10:15 AM - 10:20 AM	60.5	38.5
05:00 AM - 05:05 AM	54.0	36.0	07:40 AM - 07:45 AM	60.9	51.2	10:20 AM - 10:25 AM	61.2	37.9
05:05 AM - 05:10 AM	52.6	37.7	07:45 AM - 07:50 AM	61.0	50.3	10:25 AM - 10:30 AM	62.8	38.5
05:10 AM - 05:15 AM	53.1	37.3	07:50 AM - 07:55 AM	62.9	47.0	10:30 AM - 10:35 AM	57.8	37.7
05:15 AM - 05:20 AM	49.2	37.0	07:55 AM - 08:00 AM	59.5	43.2	10:35 AM - 10:40 AM	61.5	37.5
05:20 AM - 05:25 AM	52.0	37.2	08:00 AM - 08:05 AM	63.6	44.6	10:40 AM - 10:45 AM	59.2	35.2
05:25 AM - 05:30 AM	51.8	37.1	08:05 AM - 08:10 AM	62.1	43.1	10:45 AM - 10:50 AM	62.1	37.9
05:30 AM - 05:35 AM	52.2	37.6	08:10 AM - 08:15 AM	54.5	38.1	10:50 AM - 10:55 AM	59.2	37.5
05:35 AM - 05:40 AM	52.5	37.8	08:15 AM - 08:20 AM	57.9	40.7	10:55 AM - 11:00 AM	56.1	38.3

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Approved by

Sarayuth Jittrantont  
Assistant General Manager



## Analysis / Test Report

Client : Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140  
P/O : RJN(2)-004/066  
Project Name : Pluak Daeng  
Project Location :

Lot ID: 23115911  
Date Received : Nov 03, 2023  
Date Reported : Nov 07, 2023  
Report Number : 2828283-1

Page 1 of 3

Sample Number 23115911-10  
Parameter Noise Level (Leq 5 min)  
Location บ้านพักอาศัย หมู่ 2 ซ.มาบยางพร 15 (N2) (GPS 47P 0733642, 1434006)  
Measurement Date Oct 29 - Oct 30, 2023  
Measurement by Saknarin Jaraskay  
Sound Level meter Serial No. 597167

Oct 29, 2023 Time	Leq dB(A)	L90 dB(A)	Oct 29, 2023 Time	Leq dB(A)	L90 dB(A)	Oct 29, 2023 Time	Leq dB(A)	L90 dB(A)
11:00 AM - 11:05 AM	57.5	39.5	01:40 PM - 01:45 PM	53.2	40.9	04:20 PM - 04:25 PM	53.6	40.5
11:05 AM - 11:10 AM	55.9	39.0	01:45 PM - 01:50 PM	64.9	39.8	04:25 PM - 04:30 PM	55.9	41.3
11:10 AM - 11:15 AM	54.3	42.0	01:50 PM - 01:55 PM	64.8	43.3	04:30 PM - 04:35 PM	56.2	40.5
11:15 AM - 11:20 AM	53.3	40.6	01:55 PM - 02:00 PM	54.7	39.9	04:35 PM - 04:40 PM	58.2	44.7
11:20 AM - 11:25 AM	56.2	42.6	02:00 PM - 02:05 PM	52.8	41.3	04:40 PM - 04:45 PM	59.0	42.8
11:25 AM - 11:30 AM	63.8	42.1	02:05 PM - 02:10 PM	62.3	41.7	04:45 PM - 04:50 PM	55.8	42.4
11:30 AM - 11:35 AM	56.9	43.7	02:10 PM - 02:15 PM	67.3	43.3	04:50 PM - 04:55 PM	61.0	44.8
11:35 AM - 11:40 AM	58.8	43.4	02:15 PM - 02:20 PM	59.0	43.4	04:55 PM - 05:00 PM	61.1	42.9
11:40 AM - 11:45 AM	56.3	43.1	02:20 PM - 02:25 PM	63.6	42.9	05:00 PM - 05:05 PM	62.0	45.7
11:45 AM - 11:50 AM	58.1	42.8	02:25 PM - 02:30 PM	57.4	42.0	05:05 PM - 05:10 PM	61.8	48.5
11:50 AM - 11:55 AM	58.5	42.7	02:30 PM - 02:35 PM	51.4	39.8	05:10 PM - 05:15 PM	61.9	46.2
11:55 AM - 12:00 PM	61.6	44.7	02:35 PM - 02:40 PM	62.2	41.1	05:15 PM - 05:20 PM	63.0	47.8
12:00 PM - 12:05 PM	66.8	49.1	02:40 PM - 02:45 PM	59.2	42.3	05:20 PM - 05:25 PM	59.3	46.7
12:05 PM - 12:10 PM	60.1	45.3	02:45 PM - 02:50 PM	53.6	41.6	05:25 PM - 05:30 PM	59.2	47.4
12:10 PM - 12:15 PM	61.0	43.8	02:50 PM - 02:55 PM	53.1	40.3	05:30 PM - 05:35 PM	59.1	46.0
12:15 PM - 12:20 PM	56.5	42.4	02:55 PM - 03:00 PM	53.2	40.3	05:35 PM - 05:40 PM	59.9	45.3
12:20 PM - 12:25 PM	58.7	47.0	03:00 PM - 03:05 PM	53.5	42.2	05:40 PM - 05:45 PM	57.5	44.6
12:25 PM - 12:30 PM	54.8	42.2	03:05 PM - 03:10 PM	50.7	40.5	05:45 PM - 05:50 PM	61.4	46.1
12:30 PM - 12:35 PM	55.3	43.5	03:10 PM - 03:15 PM	54.9	40.3	05:50 PM - 05:55 PM	60.1	47.1
12:35 PM - 12:40 PM	61.6	44.8	03:15 PM - 03:20 PM	58.3	41.2	05:55 PM - 06:00 PM	64.9	48.7
12:40 PM - 12:45 PM	55.6	44.0	03:20 PM - 03:25 PM	59.3	42.7	06:00 PM - 06:05 PM	59.5	48.0
12:45 PM - 12:50 PM	58.3	40.8	03:25 PM - 03:30 PM	55.7	42.0	06:05 PM - 06:10 PM	58.4	49.3
12:50 PM - 12:55 PM	64.9	41.7	03:30 PM - 03:35 PM	57.2	43.5	06:10 PM - 06:15 PM	57.3	45.6
12:55 PM - 01:00 PM	61.7	46.6	03:35 PM - 03:40 PM	53.8	40.5	06:15 PM - 06:20 PM	57.6	46.0
01:00 PM - 01:05 PM	58.5	42.9	03:40 PM - 03:45 PM	56.3	40.9	06:20 PM - 06:25 PM	59.0	46.9
01:05 PM - 01:10 PM	58.6	42.3	03:45 PM - 03:50 PM	56.7	41.2	06:25 PM - 06:30 PM	58.5	46.1
01:10 PM - 01:15 PM	66.8	43.0	03:50 PM - 03:55 PM	54.3	42.9	06:30 PM - 06:35 PM	59.8	48.2
01:15 PM - 01:20 PM	60.4	41.9	03:55 PM - 04:00 PM	61.6	43.9	06:35 PM - 06:40 PM	60.8	50.1
01:20 PM - 01:25 PM	53.2	40.8	04:00 PM - 04:05 PM	53.3	42.5	06:40 PM - 06:45 PM	56.9	45.7
01:25 PM - 01:30 PM	59.2	40.8	04:05 PM - 04:10 PM	55.2	43.3	06:45 PM - 06:50 PM	57.2	46.9
01:30 PM - 01:35 PM	53.4	41.0	04:10 PM - 04:15 PM	54.1	40.7	06:50 PM - 06:55 PM	62.2	46.7
01:35 PM - 01:40 PM	63.5	43.2	04:15 PM - 04:20 PM	56.2	40.4	06:55 PM - 07:00 PM	58.2	46.3

Approved by

Sarayuth Jittrantont  
Assistant General Manager

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## Analysis / Test Report

Client : Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140  
P/O : RJN(2)-004/066  
Project Name : Pluak Daeng  
Project Location :

Lot ID: 23115911  
Date Received : Nov 03, 2023  
Date Reported : Nov 07, 2023  
Report Number : 2828283-1

Page 2 of 3

Sample Number 23115911-10  
Parameter Noise Level (Leq 5 min)  
Location บ้านพักอาศัย หมู่ 2 ซ.มาบยางพร 15 (N2) (GPS 47P 0733642, 1434006)  
Measurement Date Oct 29 - Oct 30, 2023  
Measurement by Saknarin Jaraskay  
Sound Level meter Serial No. 597167

Oct 29, 2023	Leq	L90	Oct 29 - Oct 30, 2023	Leq	L90	Oct 30, 2023	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
07:00 PM - 07:05 PM	62.2	48.5	09:40 PM - 09:45 PM	57.0	41.5	12:20 AM - 12:25 AM	52.3	40.3
07:05 PM - 07:10 PM	58.5	46.4	09:45 PM - 09:50 PM	52.0	40.3	12:25 AM - 12:30 AM	43.8	40.4
07:10 PM - 07:15 PM	59.2	44.5	09:50 PM - 09:55 PM	49.4	41.1	12:30 AM - 12:35 AM	44.7	41.0
07:15 PM - 07:20 PM	58.0	45.6	09:55 PM - 10:00 PM	60.5	41.2	12:35 AM - 12:40 AM	49.9	41.1
07:20 PM - 07:25 PM	63.2	48.5	10:00 PM - 10:05 PM	51.5	40.9	12:40 AM - 12:45 AM	49.9	41.2
07:25 PM - 07:30 PM	59.9	47.1	10:05 PM - 10:10 PM	53.8	40.7	12:45 AM - 12:50 AM	46.8	41.2
07:30 PM - 07:35 PM	60.0	47.1	10:10 PM - 10:15 PM	61.5	41.5	12:50 AM - 12:55 AM	55.8	41.8
07:35 PM - 07:40 PM	59.0	44.4	10:15 PM - 10:20 PM	51.1	41.1	12:55 AM - 01:00 AM	48.0	41.1
07:40 PM - 07:45 PM	62.4	44.5	10:20 PM - 10:25 PM	50.8	39.9	01:00 AM - 01:05 AM	48.0	40.6
07:45 PM - 07:50 PM	59.4	43.0	10:25 PM - 10:30 PM	50.2	38.8	01:05 AM - 01:10 AM	46.4	40.7
07:50 PM - 07:55 PM	57.3	40.8	10:30 PM - 10:35 PM	47.2	39.3	01:10 AM - 01:15 AM	52.5	41.0
07:55 PM - 08:00 PM	57.2	41.3	10:35 PM - 10:40 PM	44.0	39.1	01:15 AM - 01:20 AM	49.4	40.4
08:00 PM - 08:05 PM	60.1	43.9	10:40 PM - 10:45 PM	51.9	39.4	01:20 AM - 01:25 AM	42.3	40.2
08:05 PM - 08:10 PM	62.0	42.7	10:45 PM - 10:50 PM	48.1	39.7	01:25 AM - 01:30 AM	45.6	37.4
08:10 PM - 08:15 PM	59.6	45.3	10:50 PM - 10:55 PM	44.6	39.4	01:30 AM - 01:35 AM	47.8	37.3
08:15 PM - 08:20 PM	59.0	45.7	10:55 PM - 11:00 PM	40.6	38.8	01:35 AM - 01:40 AM	46.6	38.7
08:20 PM - 08:25 PM	59.4	46.2	11:00 PM - 11:05 PM	44.7	39.0	01:40 AM - 01:45 AM	48.9	47.4
08:25 PM - 08:30 PM	58.0	43.6	11:05 PM - 11:10 PM	47.4	38.3	01:45 AM - 01:50 AM	48.4	47.0
08:30 PM - 08:35 PM	58.0	45.6	11:10 PM - 11:15 PM	49.3	38.6	01:50 AM - 01:55 AM	48.4	47.4
08:35 PM - 08:40 PM	56.4	44.8	11:15 PM - 11:20 PM	53.8	39.9	01:55 AM - 02:00 AM	50.7	47.2
08:40 PM - 08:45 PM	60.1	44.8	11:20 PM - 11:25 PM	44.4	39.7	02:00 AM - 02:05 AM	48.7	46.9
08:45 PM - 08:50 PM	57.2	44.8	11:25 PM - 11:30 PM	55.3	39.4	02:05 AM - 02:10 AM	48.0	40.1
08:50 PM - 08:55 PM	57.4	46.2	11:30 PM - 11:35 PM	41.9	39.9	02:10 AM - 02:15 AM	45.6	45.0
08:55 PM - 09:00 PM	58.2	46.1	11:35 PM - 11:40 PM	45.3	41.8	02:15 AM - 02:20 AM	45.1	44.6
09:00 PM - 09:05 PM	55.3	45.7	11:40 PM - 11:45 PM	45.2	39.5	02:20 AM - 02:25 AM	48.2	44.1
09:05 PM - 09:10 PM	53.5	45.7	11:45 PM - 11:50 PM	46.1	41.3	02:25 AM - 02:30 AM	45.8	44.1
09:10 PM - 09:15 PM	51.8	44.5	11:50 PM - 11:55 PM	48.6	41.8	02:30 AM - 02:35 AM	50.3	43.5
09:15 PM - 09:20 PM	53.5	42.3	11:55 PM - 12:00 AM	51.5	42.3	02:35 AM - 02:40 AM	45.7	42.9
09:20 PM - 09:25 PM	54.3	41.8	12:00 AM - 12:05 AM	54.0	40.9	02:40 AM - 02:45 AM	48.1	41.7
09:25 PM - 09:30 PM	56.2	44.0	12:05 AM - 12:10 AM	52.7	43.1	02:45 AM - 02:50 AM	44.2	40.8
09:30 PM - 09:35 PM	52.2	41.8	12:10 AM - 12:15 AM	49.4	43.4	02:50 AM - 02:55 AM	44.1	40.6
09:35 PM - 09:40 PM	52.4	42.1	12:15 AM - 12:20 AM	48.6	41.3	02:55 AM - 03:00 AM	46.3	40.7

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Approved by

Sarayuth Jittrantont  
Assistant General Manager



## Analysis / Test Report

Client : Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140  
P/O : RJN(2)-004/066  
Project Name : Pluak Daeng  
Project Location :

Lot ID: 23115911  
Date Received : Nov 03, 2023  
Date Reported : Nov 07, 2023  
Report Number : 2828283-1

Page 3 of 3

Sample Number 23115911-10  
Parameter Noise Level (Leq 5 min)  
Location บ้านพักอาศัย หมู่ 2 ซ.มาบยางพร 15 (N2) (GPS 47P 0733642, 1434006)  
Measurement Date Oct 29 - Oct 30, 2023  
Measurement by Saknarin Jaraskay  
Sound Level meter Serial No. 597167

Oct 30, 2023 Time	Leq dB(A)	L90 dB(A)	Oct 30, 2023 Time	Leq dB(A)	L90 dB(A)	Oct 30, 2023 Time	Leq dB(A)	L90 dB(A)
03:00 AM - 03:05 AM	44.2	41.9	05:40 AM - 05:45 AM	52.1	38.8	08:20 AM - 08:25 AM	60.4	41.6
03:05 AM - 03:10 AM	43.3	41.9	05:45 AM - 05:50 AM	54.2	40.2	08:25 AM - 08:30 AM	64.1	45.2
03:10 AM - 03:15 AM	42.9	38.0	05:50 AM - 05:55 AM	54.1	40.8	08:30 AM - 08:35 AM	64.6	43.6
03:15 AM - 03:20 AM	48.3	37.7	05:55 AM - 06:00 AM	62.7	41.2	08:35 AM - 08:40 AM	60.8	41.1
03:20 AM - 03:25 AM	44.1	37.5	06:00 AM - 06:05 AM	54.2	41.9	08:40 AM - 08:45 AM	59.8	39.9
03:25 AM - 03:30 AM	44.3	39.0	06:05 AM - 06:10 AM	57.3	43.8	08:45 AM - 08:50 AM	60.5	41.8
03:30 AM - 03:35 AM	47.7	39.3	06:10 AM - 06:15 AM	58.4	42.3	08:50 AM - 08:55 AM	67.8	42.8
03:35 AM - 03:40 AM	46.5	39.5	06:15 AM - 06:20 AM	57.7	43.9	08:55 AM - 09:00 AM	64.5	41.7
03:40 AM - 03:45 AM	43.6	41.0	06:20 AM - 06:25 AM	59.4	45.3	09:00 AM - 09:05 AM	65.7	41.2
03:45 AM - 03:50 AM	51.5	40.2	06:25 AM - 06:30 AM	62.4	45.7	09:05 AM - 09:10 AM	58.8	42.4
03:50 AM - 03:55 AM	48.7	36.6	06:30 AM - 06:35 AM	58.3	44.7	09:10 AM - 09:15 AM	58.9	41.3
03:55 AM - 04:00 AM	53.1	37.5	06:35 AM - 06:40 AM	59.5	48.5	09:15 AM - 09:20 AM	68.5	44.1
04:00 AM - 04:05 AM	56.4	38.2	06:40 AM - 06:45 AM	62.4	52.0	09:20 AM - 09:25 AM	59.4	41.8
04:05 AM - 04:10 AM	46.6	37.9	06:45 AM - 06:50 AM	64.1	53.0	09:25 AM - 09:30 AM	62.1	42.5
04:10 AM - 04:15 AM	53.1	38.6	06:50 AM - 06:55 AM	64.2	48.6	09:30 AM - 09:35 AM	59.7	41.1
04:15 AM - 04:20 AM	47.4	38.8	06:55 AM - 07:00 AM	60.2	46.6	09:35 AM - 09:40 AM	55.6	42.3
04:20 AM - 04:25 AM	52.0	39.2	07:00 AM - 07:05 AM	62.5	52.1	09:40 AM - 09:45 AM	63.1	41.9
04:25 AM - 04:30 AM	50.4	40.3	07:05 AM - 07:10 AM	63.5	52.3	09:45 AM - 09:50 AM	62.5	41.3
04:30 AM - 04:35 AM	54.5	38.2	07:10 AM - 07:15 AM	64.2	51.0	09:50 AM - 09:55 AM	59.9	41.4
04:35 AM - 04:40 AM	54.1	38.9	07:15 AM - 07:20 AM	63.5	54.1	09:55 AM - 10:00 AM	61.4	42.9
04:40 AM - 04:45 AM	53.1	46.3	07:20 AM - 07:25 AM	63.2	54.5	10:00 AM - 10:05 AM	61.0	43.8
04:45 AM - 04:50 AM	50.4	46.4	07:25 AM - 07:30 AM	63.2	55.1	10:05 AM - 10:10 AM	64.9	43.9
04:50 AM - 04:55 AM	50.0	45.6	07:30 AM - 07:35 AM	62.3	53.1	10:10 AM - 10:15 AM	58.6	42.7
04:55 AM - 05:00 AM	49.9	40.1	07:35 AM - 07:40 AM	62.4	52.4	10:15 AM - 10:20 AM	67.2	45.8
05:00 AM - 05:05 AM	53.5	46.5	07:40 AM - 07:45 AM	65.5	54.0	10:20 AM - 10:25 AM	62.4	44.6
05:05 AM - 05:10 AM	55.8	45.4	07:45 AM - 07:50 AM	63.2	50.5	10:25 AM - 10:30 AM	63.0	43.5
05:10 AM - 05:15 AM	50.5	45.1	07:50 AM - 07:55 AM	62.2	48.0	10:30 AM - 10:35 AM	61.0	42.6
05:15 AM - 05:20 AM	53.9	46.0	07:55 AM - 08:00 AM	58.9	42.9	10:35 AM - 10:40 AM	56.9	40.6
05:20 AM - 05:25 AM	54.8	46.8	08:00 AM - 08:05 AM	60.4	45.1	10:40 AM - 10:45 AM	63.2	44.1
05:25 AM - 05:30 AM	52.0	38.3	08:05 AM - 08:10 AM	63.3	47.9	10:45 AM - 10:50 AM	57.0	41.1
05:30 AM - 05:35 AM	50.7	38.4	08:10 AM - 08:15 AM	56.8	43.7	10:50 AM - 10:55 AM	58.2	40.8
05:35 AM - 05:40 AM	56.0	38.7	08:15 AM - 08:20 AM	58.1	44.1	10:55 AM - 11:00 AM	65.3	45.0

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Approved by

Sarayuth Jittrantont  
Assistant General Manager





## Analysis / Test Report

Client : Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140  
P/O : RJN(2)-004/066  
Project Name : Pluak Daeng  
Project Location :

Lot ID: 23115911  
Date Received : Nov 03, 2023  
Date Reported : Nov 07, 2023  
Report Number : 2828284-1

Page 1 of 3

Sample Number : 23115911-11  
Parameter : Noise Level (Leq 5 min)  
Location : บ้านพักอาศัย หมู่ 2 ซ.มาบยางพร 15 (N2) (GPS 47P 0733642, 1434006)  
Measurement Date : Oct 30 - Oct 31, 2023  
Measurement by : Saknarin Jaraskay  
Sound Level meter : Serial No. 597167

Oct 30, 2023	Leq	L90	Oct 30, 2023	Leq	L90	Oct 30, 2023	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
11:00 AM - 11:05 AM	64.4	41.8	01:40 PM - 01:45 PM	61.5	43.3	04:20 PM - 04:25 PM	58.8	52.4
11:05 AM - 11:10 AM	64.3	41.4	01:45 PM - 01:50 PM	60.6	40.6	04:25 PM - 04:30 PM	57.4	51.4
11:10 AM - 11:15 AM	67.4	41.1	01:50 PM - 01:55 PM	66.9	41.7	04:30 PM - 04:35 PM	60.1	53.0
11:15 AM - 11:20 AM	64.5	44.2	01:55 PM - 02:00 PM	64.6	39.1	04:35 PM - 04:40 PM	62.7	57.2
11:20 AM - 11:25 AM	67.4	42.7	02:00 PM - 02:05 PM	65.6	39.3	04:40 PM - 04:45 PM	58.9	51.8
11:25 AM - 11:30 AM	63.6	40.2	02:05 PM - 02:10 PM	65.6	41.8	04:45 PM - 04:50 PM	61.4	55.9
11:30 AM - 11:35 AM	61.8	43.5	02:10 PM - 02:15 PM	61.3	39.0	04:50 PM - 04:55 PM	65.9	59.4
11:35 AM - 11:40 AM	62.7	43.2	02:15 PM - 02:20 PM	64.0	38.7	04:55 PM - 05:00 PM	58.6	51.5
11:40 AM - 11:45 AM	65.2	48.5	02:20 PM - 02:25 PM	64.0	39.5	05:00 PM - 05:05 PM	62.8	47.5
11:45 AM - 11:50 AM	63.7	46.0	02:25 PM - 02:30 PM	67.1	42.1	05:05 PM - 05:10 PM	61.1	50.0
11:50 AM - 11:55 AM	63.7	41.4	02:30 PM - 02:35 PM	61.6	41.5	05:10 PM - 05:15 PM	60.7	49.5
11:55 AM - 12:00 PM	60.9	44.5	02:35 PM - 02:40 PM	63.2	40.5	05:15 PM - 05:20 PM	62.4	50.3
12:00 PM - 12:05 PM	59.7	43.3	02:40 PM - 02:45 PM	58.9	40.5	05:20 PM - 05:25 PM	66.4	51.0
12:05 PM - 12:10 PM	65.1	46.5	02:45 PM - 02:50 PM	64.9	40.7	05:25 PM - 05:30 PM	59.8	47.0
12:10 PM - 12:15 PM	60.3	40.9	02:50 PM - 02:55 PM	67.5	41.5	05:30 PM - 05:35 PM	63.1	50.5
12:15 PM - 12:20 PM	64.6	38.7	02:55 PM - 03:00 PM	64.9	42.5	05:35 PM - 05:40 PM	59.8	51.1
12:20 PM - 12:25 PM	65.1	44.3	03:00 PM - 03:05 PM	66.5	46.0	05:40 PM - 05:45 PM	62.6	47.7
12:25 PM - 12:30 PM	66.8	43.8	03:05 PM - 03:10 PM	67.4	45.9	05:45 PM - 05:50 PM	60.2	47.7
12:30 PM - 12:35 PM	63.7	42.6	03:10 PM - 03:15 PM	60.6	41.1	05:50 PM - 05:55 PM	59.1	49.0
12:35 PM - 12:40 PM	61.3	42.1	03:15 PM - 03:20 PM	59.3	39.8	05:55 PM - 06:00 PM	58.4	49.8
12:40 PM - 12:45 PM	61.8	41.1	03:20 PM - 03:25 PM	63.8	41.9	06:00 PM - 06:05 PM	58.4	47.3
12:45 PM - 12:50 PM	63.2	44.9	03:25 PM - 03:30 PM	65.3	44.0	06:05 PM - 06:10 PM	62.5	45.9
12:50 PM - 12:55 PM	61.3	45.9	03:30 PM - 03:35 PM	61.6	41.1	06:10 PM - 06:15 PM	58.7	48.5
12:55 PM - 01:00 PM	65.6	42.2	03:35 PM - 03:40 PM	66.4	39.7	06:15 PM - 06:20 PM	57.7	42.6
01:00 PM - 01:05 PM	64.4	40.2	03:40 PM - 03:45 PM	64.5	41.7	06:20 PM - 06:25 PM	57.5	44.4
01:05 PM - 01:10 PM	66.5	41.4	03:45 PM - 03:50 PM	57.7	40.4	06:25 PM - 06:30 PM	57.5	47.0
01:10 PM - 01:15 PM	66.4	41.0	03:50 PM - 03:55 PM	63.8	42.6	06:30 PM - 06:35 PM	57.5	46.4
01:15 PM - 01:20 PM	64.8	41.4	03:55 PM - 04:00 PM	62.2	41.0	06:35 PM - 06:40 PM	58.5	48.4
01:20 PM - 01:25 PM	61.5	40.6	04:00 PM - 04:05 PM	64.2	41.7	06:40 PM - 06:45 PM	59.8	47.2
01:25 PM - 01:30 PM	67.3	43.3	04:05 PM - 04:10 PM	67.1	41.5	06:45 PM - 06:50 PM	56.3	45.3
01:30 PM - 01:35 PM	62.1	37.5	04:10 PM - 04:15 PM	64.8	39.2	06:50 PM - 06:55 PM	56.4	43.0
01:35 PM - 01:40 PM	62.9	41.5	04:15 PM - 04:20 PM	65.9	55.8	06:55 PM - 07:00 PM	59.1	46.2

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Approved by

Sarayuth Jittrantont  
Assistant General Manager



## Analysis / Test Report

Client : Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140  
P/O : RJN(2)-004/066  
Project Name : Pluak Daeng  
Project Location :

Lot ID: 23115911  
Date Received : Nov 03, 2023  
Date Reported : Nov 07, 2023  
Report Number : 2828284-1

Page 2 of 3

Sample Number 23115911-11  
Parameter Noise Level (Leq 5 min)  
Location บ้านพักอาศัย หมู่ 2 ซ.มาบยางพร 15 (N2) (GPS 47P 0733642, 1434006)  
Measurement Date Oct 30 - Oct 31, 2023  
Measurement by Saknarin Jaraskay  
Sound Level meter Serial No. 597167

Oct 30, 2023	Leq	L90	Oct 30 - Oct 31, 2023	Leq	L90	Oct 31, 2023	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
07:00 PM - 07:05 PM	60.1	45.4	09:40 PM - 09:45 PM	50.3	40.5	12:20 AM - 12:25 AM	47.0	35.8
07:05 PM - 07:10 PM	59.2	44.6	09:45 PM - 09:50 PM	50.4	40.1	12:25 AM - 12:30 AM	43.6	35.8
07:10 PM - 07:15 PM	58.7	47.6	09:50 PM - 09:55 PM	50.3	40.4	12:30 AM - 12:35 AM	47.5	36.8
07:15 PM - 07:20 PM	62.7	46.4	09:55 PM - 10:00 PM	49.8	41.1	12:35 AM - 12:40 AM	51.0	36.7
07:20 PM - 07:25 PM	62.2	51.1	10:00 PM - 10:05 PM	55.5	42.2	12:40 AM - 12:45 AM	41.8	37.0
07:25 PM - 07:30 PM	59.6	47.3	10:05 PM - 10:10 PM	52.5	41.3	12:45 AM - 12:50 AM	42.1	36.7
07:30 PM - 07:35 PM	58.7	46.8	10:10 PM - 10:15 PM	52.8	40.5	12:50 AM - 12:55 AM	50.2	37.0
07:35 PM - 07:40 PM	64.1	46.4	10:15 PM - 10:20 PM	52.4	40.5	12:55 AM - 01:00 AM	47.5	36.6
07:40 PM - 07:45 PM	58.9	44.7	10:20 PM - 10:25 PM	48.3	41.6	01:00 AM - 01:05 AM	41.2	36.3
07:45 PM - 07:50 PM	63.8	46.1	10:25 PM - 10:30 PM	49.6	39.7	01:05 AM - 01:10 AM	41.9	35.8
07:50 PM - 07:55 PM	58.0	42.5	10:30 PM - 10:35 PM	51.6	39.0	01:10 AM - 01:15 AM	50.0	36.5
07:55 PM - 08:00 PM	57.5	42.3	10:35 PM - 10:40 PM	51.1	38.1	01:15 AM - 01:20 AM	47.0	36.4
08:00 PM - 08:05 PM	61.1	41.9	10:40 PM - 10:45 PM	51.1	38.3	01:20 AM - 01:25 AM	41.7	36.9
08:05 PM - 08:10 PM	61.8	45.5	10:45 PM - 10:50 PM	46.6	39.0	01:25 AM - 01:30 AM	53.2	37.2
08:10 PM - 08:15 PM	61.4	45.1	10:50 PM - 10:55 PM	55.5	38.6	01:30 AM - 01:35 AM	49.3	37.3
08:15 PM - 08:20 PM	59.9	44.1	10:55 PM - 11:00 PM	45.1	38.3	01:35 AM - 01:40 AM	43.2	36.8
08:20 PM - 08:25 PM	58.4	44.5	11:00 PM - 11:05 PM	46.8	38.6	01:40 AM - 01:45 AM	49.8	36.7
08:25 PM - 08:30 PM	61.4	44.6	11:05 PM - 11:10 PM	48.8	38.4	01:45 AM - 01:50 AM	48.1	36.0
08:30 PM - 08:35 PM	56.6	42.7	11:10 PM - 11:15 PM	45.2	37.6	01:50 AM - 01:55 AM	40.7	36.3
08:35 PM - 08:40 PM	57.2	43.4	11:15 PM - 11:20 PM	49.7	38.2	01:55 AM - 02:00 AM	48.1	36.6
08:40 PM - 08:45 PM	57.2	42.9	11:20 PM - 11:25 PM	48.4	37.2	02:00 AM - 02:05 AM	41.0	37.0
08:45 PM - 08:50 PM	57.5	43.2	11:25 PM - 11:30 PM	44.0	36.7	02:05 AM - 02:10 AM	41.2	37.5
08:50 PM - 08:55 PM	55.2	42.7	11:30 PM - 11:35 PM	47.4	36.4	02:10 AM - 02:15 AM	41.3	37.9
08:55 PM - 09:00 PM	53.7	42.6	11:35 PM - 11:40 PM	46.0	37.4	02:15 AM - 02:20 AM	39.5	36.0
09:00 PM - 09:05 PM	54.9	41.7	11:40 PM - 11:45 PM	47.6	37.4	02:20 AM - 02:25 AM	36.6	35.0
09:05 PM - 09:10 PM	56.0	40.9	11:45 PM - 11:50 PM	41.7	37.4	02:25 AM - 02:30 AM	53.0	35.0
09:10 PM - 09:15 PM	56.5	41.1	11:50 PM - 11:55 PM	50.2	38.4	02:30 AM - 02:35 AM	40.9	35.0
09:15 PM - 09:20 PM	49.1	40.4	11:55 PM - 12:00 AM	42.7	37.4	02:35 AM - 02:40 AM	42.2	34.9
09:20 PM - 09:25 PM	55.6	40.8	12:00 AM - 12:05 AM	49.1	37.4	02:40 AM - 02:45 AM	35.4	34.4
09:25 PM - 09:30 PM	54.0	40.6	12:05 AM - 12:10 AM	48.3	37.6	02:45 AM - 02:50 AM	44.3	35.1
09:30 PM - 09:35 PM	51.2	38.9	12:10 AM - 12:15 AM	44.2	37.1	02:50 AM - 02:55 AM	36.1	34.9
09:35 PM - 09:40 PM	53.5	41.9	12:15 AM - 12:20 AM	39.5	36.8	02:55 AM - 03:00 AM	43.0	34.7

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Approved by

Sarayuth Jittrantont  
Assistant General Manager



## Analysis / Test Report

Client : Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140  
P/O : RJN(2)-004/066  
Project Name : Pluak Daeng  
Project Location :

Lot ID: 23115911  
Date Received : Nov 03, 2023  
Date Reported : Nov 07, 2023  
Report Number : 2828284-1

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Sample Number 23115911-11  
Parameter Noise Level (Leq 5 min)  
Location บ้านพักอาศัย หมู่ 2 ซ.มาบยางพร 15 (N2) (GPS 47P 0733642, 1434006)  
Measurement Date Oct 30 - Oct 31, 2023  
Measurement by Saknarin Jaraskay  
Sound Level meter Serial No. 597167

Oct 31, 2023 Time	Leq dB(A)	L90 dB(A)	Oct 31, 2023 Time	Leq dB(A)	L90 dB(A)	Oct 31, 2023 Time	Leq dB(A)	L90 dB(A)
03:00 AM - 03:05 AM	50.3	34.5	05:40 AM - 05:45 AM	55.1	39.6	08:20 AM - 08:25 AM	61.1	43.2
03:05 AM - 03:10 AM	41.5	34.5	05:45 AM - 05:50 AM	56.2	40.0	08:25 AM - 08:30 AM	56.3	39.9
03:10 AM - 03:15 AM	39.2	34.4	05:50 AM - 05:55 AM	53.6	39.5	08:30 AM - 08:35 AM	62.2	40.4
03:15 AM - 03:20 AM	46.5	34.7	05:55 AM - 06:00 AM	55.7	41.3	08:35 AM - 08:40 AM	63.5	43.0
03:20 AM - 03:25 AM	43.4	35.3	06:00 AM - 06:05 AM	58.2	41.9	08:40 AM - 08:45 AM	62.2	41.7
03:25 AM - 03:30 AM	39.0	36.4	06:05 AM - 06:10 AM	58.8	42.4	08:45 AM - 08:50 AM	65.2	40.1
03:30 AM - 03:35 AM	38.8	36.4	06:10 AM - 06:15 AM	59.9	41.4	08:50 AM - 08:55 AM	62.8	37.7
03:35 AM - 03:40 AM	44.4	35.6	06:15 AM - 06:20 AM	58.4	44.9	08:55 AM - 09:00 AM	62.2	41.0
03:40 AM - 03:45 AM	47.0	35.0	06:20 AM - 06:25 AM	59.5	44.1	09:00 AM - 09:05 AM	63.6	39.5
03:45 AM - 03:50 AM	45.6	36.3	06:25 AM - 06:30 AM	57.8	43.4	09:05 AM - 09:10 AM	63.4	41.4
03:50 AM - 03:55 AM	39.1	36.9	06:30 AM - 06:35 AM	60.9	46.8	09:10 AM - 09:15 AM	64.1	40.8
03:55 AM - 04:00 AM	47.9	36.5	06:35 AM - 06:40 AM	67.2	46.9	09:15 AM - 09:20 AM	65.7	41.4
04:00 AM - 04:05 AM	37.6	35.0	06:40 AM - 06:45 AM	63.1	48.4	09:20 AM - 09:25 AM	60.7	40.6
04:05 AM - 04:10 AM	43.1	34.6	06:45 AM - 06:50 AM	62.2	46.5	09:25 AM - 09:30 AM	64.4	40.4
04:10 AM - 04:15 AM	37.6	34.5	06:50 AM - 06:55 AM	60.2	48.6	09:30 AM - 09:35 AM	62.1	38.1
04:15 AM - 04:20 AM	42.9	36.1	06:55 AM - 07:00 AM	62.8	48.0	09:35 AM - 09:40 AM	65.0	40.8
04:20 AM - 04:25 AM	52.1	36.6	07:00 AM - 07:05 AM	63.5	48.6	09:40 AM - 09:45 AM	62.1	40.4
04:25 AM - 04:30 AM	48.4	36.6	07:05 AM - 07:10 AM	62.2	47.3	09:45 AM - 09:50 AM	59.0	41.2
04:30 AM - 04:35 AM	49.8	37.5	07:10 AM - 07:15 AM	62.6	51.0	09:50 AM - 09:55 AM	60.6	40.1
04:35 AM - 04:40 AM	53.3	36.5	07:15 AM - 07:20 AM	64.6	54.3	09:55 AM - 10:00 AM	63.6	38.5
04:40 AM - 04:45 AM	42.4	36.3	07:20 AM - 07:25 AM	63.2	51.1	10:00 AM - 10:05 AM	61.2	36.1
04:45 AM - 04:50 AM	55.8	37.2	07:25 AM - 07:30 AM	63.7	53.7	10:05 AM - 10:10 AM	60.6	39.4
04:50 AM - 04:55 AM	49.8	36.5	07:30 AM - 07:35 AM	65.6	53.3	10:10 AM - 10:15 AM	62.0	37.9
04:55 AM - 05:00 AM	46.1	36.1	07:35 AM - 07:40 AM	64.0	51.9	10:15 AM - 10:20 AM	61.8	39.8
05:00 AM - 05:05 AM	55.2	37.2	07:40 AM - 07:45 AM	62.1	52.4	10:20 AM - 10:25 AM	62.5	39.2
05:05 AM - 05:10 AM	53.8	38.9	07:45 AM - 07:50 AM	62.2	51.5	10:25 AM - 10:30 AM	64.1	39.8
05:10 AM - 05:15 AM	54.3	38.5	07:50 AM - 07:55 AM	64.1	48.2	10:30 AM - 10:35 AM	59.1	39.0
05:15 AM - 05:20 AM	50.4	38.2	07:55 AM - 08:00 AM	60.7	44.4	10:35 AM - 10:40 AM	62.8	38.8
05:20 AM - 05:25 AM	53.2	38.4	08:00 AM - 08:05 AM	64.8	45.8	10:40 AM - 10:45 AM	60.5	36.5
05:25 AM - 05:30 AM	53.0	38.3	08:05 AM - 08:10 AM	63.3	44.3	10:45 AM - 10:50 AM	63.4	39.2
05:30 AM - 05:35 AM	53.4	38.8	08:10 AM - 08:15 AM	55.7	39.3	10:50 AM - 10:55 AM	60.5	38.8
05:35 AM - 05:40 AM	53.7	39.0	08:15 AM - 08:20 AM	59.1	41.9	10:55 AM - 11:00 AM	57.4	39.6

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Approved by

Sarayuth Jittrantont  
Assistant General Manager



## Analysis / Test Report

Client : Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140  
P/O : RJN(2)-004/066  
Project Name : Pluak Daeng  
Project Location :

Lot ID: 23115911  
Date Received : Nov 03, 2023  
Date Reported : Nov 07, 2023  
Report Number : 2828285-1

Page 1 of 3

Sample Number : 23115911-12  
Parameter : Noise Level (Leq 5 min)  
Location : บ้านพักอาศัย หมู่ 2 ซ.มาบยางพร 15 (N2) (GPS 47P 0733642, 1434006)  
Measurement Date : Oct 31 - Nov 01, 2023  
Measurement by : Saknarin Jaraskay  
Sound Level meter : Serial No. 597167

Oct 31, 2023 Time	Leq dB(A)	L90 dB(A)	Oct 31, 2023 Time	Leq dB(A)	L90 dB(A)	Oct 31, 2023 Time	Leq dB(A)	L90 dB(A)
11:00 AM - 11:05 AM	58.9	40.9	01:40 PM - 01:45 PM	54.6	42.3	04:20 PM - 04:25 PM	55.0	41.9
11:05 AM - 11:10 AM	57.3	40.4	01:45 PM - 01:50 PM	66.3	41.2	04:25 PM - 04:30 PM	57.3	42.7
11:10 AM - 11:15 AM	55.7	43.4	01:50 PM - 01:55 PM	66.2	44.7	04:30 PM - 04:35 PM	57.6	41.9
11:15 AM - 11:20 AM	54.7	42.0	01:55 PM - 02:00 PM	56.1	41.3	04:35 PM - 04:40 PM	59.6	46.1
11:20 AM - 11:25 AM	57.6	44.0	02:00 PM - 02:05 PM	54.2	42.7	04:40 PM - 04:45 PM	60.4	44.2
11:25 AM - 11:30 AM	65.2	43.5	02:05 PM - 02:10 PM	63.7	43.1	04:45 PM - 04:50 PM	57.2	43.8
11:30 AM - 11:35 AM	58.3	45.1	02:10 PM - 02:15 PM	68.7	44.7	04:50 PM - 04:55 PM	62.4	46.2
11:35 AM - 11:40 AM	60.2	44.8	02:15 PM - 02:20 PM	60.4	44.8	04:55 PM - 05:00 PM	62.5	44.3
11:40 AM - 11:45 AM	57.7	44.5	02:20 PM - 02:25 PM	65.0	44.3	05:00 PM - 05:05 PM	63.4	47.1
11:45 AM - 11:50 AM	59.5	44.2	02:25 PM - 02:30 PM	58.8	43.4	05:05 PM - 05:10 PM	63.2	49.9
11:50 AM - 11:55 AM	59.9	44.1	02:30 PM - 02:35 PM	52.8	41.2	05:10 PM - 05:15 PM	63.3	47.6
11:55 AM - 12:00 PM	63.0	46.1	02:35 PM - 02:40 PM	63.6	42.5	05:15 PM - 05:20 PM	64.4	49.2
12:00 PM - 12:05 PM	68.2	50.5	02:40 PM - 02:45 PM	60.6	43.7	05:20 PM - 05:25 PM	60.7	48.1
12:05 PM - 12:10 PM	61.5	46.7	02:45 PM - 02:50 PM	55.0	43.0	05:25 PM - 05:30 PM	60.6	48.8
12:10 PM - 12:15 PM	62.4	45.2	02:50 PM - 02:55 PM	54.5	41.7	05:30 PM - 05:35 PM	60.5	47.4
12:15 PM - 12:20 PM	57.9	43.8	02:55 PM - 03:00 PM	54.6	41.7	05:35 PM - 05:40 PM	61.3	46.7
12:20 PM - 12:25 PM	60.1	48.4	03:00 PM - 03:05 PM	54.9	43.6	05:40 PM - 05:45 PM	58.9	46.0
12:25 PM - 12:30 PM	56.2	43.6	03:05 PM - 03:10 PM	52.1	41.9	05:45 PM - 05:50 PM	62.8	47.5
12:30 PM - 12:35 PM	56.7	44.9	03:10 PM - 03:15 PM	56.3	41.7	05:50 PM - 05:55 PM	61.5	48.5
12:35 PM - 12:40 PM	63.0	46.2	03:15 PM - 03:20 PM	59.7	42.6	05:55 PM - 06:00 PM	66.3	50.1
12:40 PM - 12:45 PM	57.0	45.4	03:20 PM - 03:25 PM	60.7	44.1	06:00 PM - 06:05 PM	60.9	49.4
12:45 PM - 12:50 PM	59.7	42.2	03:25 PM - 03:30 PM	57.1	43.4	06:05 PM - 06:10 PM	59.8	50.7
12:50 PM - 12:55 PM	66.3	43.1	03:30 PM - 03:35 PM	58.6	44.9	06:10 PM - 06:15 PM	58.7	47.0
12:55 PM - 01:00 PM	63.1	48.0	03:35 PM - 03:40 PM	55.2	41.9	06:15 PM - 06:20 PM	59.0	47.4
01:00 PM - 01:05 PM	59.9	44.3	03:40 PM - 03:45 PM	57.7	42.3	06:20 PM - 06:25 PM	60.4	48.3
01:05 PM - 01:10 PM	60.0	43.7	03:45 PM - 03:50 PM	58.1	42.6	06:25 PM - 06:30 PM	59.9	47.5
01:10 PM - 01:15 PM	68.2	44.4	03:50 PM - 03:55 PM	55.7	44.3	06:30 PM - 06:35 PM	61.2	49.6
01:15 PM - 01:20 PM	61.8	43.3	03:55 PM - 04:00 PM	63.0	45.3	06:35 PM - 06:40 PM	62.2	51.5
01:20 PM - 01:25 PM	54.6	42.2	04:00 PM - 04:05 PM	54.7	43.9	06:40 PM - 06:45 PM	58.3	47.1
01:25 PM - 01:30 PM	60.6	42.2	04:05 PM - 04:10 PM	56.6	44.7	06:45 PM - 06:50 PM	58.6	48.3
01:30 PM - 01:35 PM	54.8	42.4	04:10 PM - 04:15 PM	55.5	42.1	06:50 PM - 06:55 PM	63.6	48.1
01:35 PM - 01:40 PM	64.9	44.6	04:15 PM - 04:20 PM	57.6	41.8	06:55 PM - 07:00 PM	59.6	47.7

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Sarayuth Jittrantont  
Assistant General Manager



## Analysis / Test Report

Client : Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140  
P/O : RJN(2)-004/066  
Project Name : Pluak Daeng  
Project Location :

Lot ID: 23115911  
Date Received : Nov 03, 2023  
Date Reported : Nov 07, 2023  
Report Number : 2828285-1

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Sample Number 23115911-12  
Parameter Noise Level (Leq 5 min)  
Location บ้านพักอาศัย หมู่ 2 ซ.มาบยางพร 15 (N2) (GPS 47P 0733642, 1434006)  
Measurement Date Oct 31 - Nov 01, 2023  
Measurement by Saknarin Jaraskay  
Sound Level meter Serial No. 597167

Oct 31, 2023	Leq	L90	Oct 31 - Nov 01, 2023	Leq	L90	Nov 01, 2023	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
07:00 PM - 07:05 PM	63.6	49.9	09:40 PM - 09:45 PM	58.4	42.9	12:20 AM - 12:25 AM	53.7	41.7
07:05 PM - 07:10 PM	59.9	47.8	09:45 PM - 09:50 PM	53.4	41.7	12:25 AM - 12:30 AM	45.2	41.8
07:10 PM - 07:15 PM	60.6	45.9	09:50 PM - 09:55 PM	50.8	42.5	12:30 AM - 12:35 AM	46.1	42.4
07:15 PM - 07:20 PM	59.4	47.0	09:55 PM - 10:00 PM	61.9	42.6	12:35 AM - 12:40 AM	51.3	42.5
07:20 PM - 07:25 PM	64.6	49.9	10:00 PM - 10:05 PM	52.9	42.3	12:40 AM - 12:45 AM	51.3	42.6
07:25 PM - 07:30 PM	61.3	48.5	10:05 PM - 10:10 PM	55.2	42.1	12:45 AM - 12:50 AM	48.2	42.6
07:30 PM - 07:35 PM	61.4	48.5	10:10 PM - 10:15 PM	62.9	42.9	12:50 AM - 12:55 AM	57.2	43.2
07:35 PM - 07:40 PM	60.4	45.8	10:15 PM - 10:20 PM	52.5	42.5	12:55 AM - 01:00 AM	49.4	42.5
07:40 PM - 07:45 PM	63.8	45.9	10:20 PM - 10:25 PM	52.2	41.3	01:00 AM - 01:05 AM	49.4	42.0
07:45 PM - 07:50 PM	60.8	44.4	10:25 PM - 10:30 PM	51.6	40.2	01:05 AM - 01:10 AM	47.8	42.1
07:50 PM - 07:55 PM	58.7	42.2	10:30 PM - 10:35 PM	48.6	40.7	01:10 AM - 01:15 AM	53.9	42.4
07:55 PM - 08:00 PM	58.6	42.7	10:35 PM - 10:40 PM	45.4	40.5	01:15 AM - 01:20 AM	50.8	41.8
08:00 PM - 08:05 PM	61.5	45.3	10:40 PM - 10:45 PM	53.3	40.8	01:20 AM - 01:25 AM	43.7	41.6
08:05 PM - 08:10 PM	63.4	44.1	10:45 PM - 10:50 PM	49.5	41.1	01:25 AM - 01:30 AM	47.0	38.8
08:10 PM - 08:15 PM	61.0	46.7	10:50 PM - 10:55 PM	46.0	40.8	01:30 AM - 01:35 AM	49.2	38.7
08:15 PM - 08:20 PM	60.4	47.1	10:55 PM - 11:00 PM	42.0	40.2	01:35 AM - 01:40 AM	48.0	40.1
08:20 PM - 08:25 PM	60.8	47.6	11:00 PM - 11:05 PM	46.1	40.4	01:40 AM - 01:45 AM	50.3	48.8
08:25 PM - 08:30 PM	59.4	45.0	11:05 PM - 11:10 PM	48.8	39.7	01:45 AM - 01:50 AM	49.8	48.4
08:30 PM - 08:35 PM	59.4	47.0	11:10 PM - 11:15 PM	50.7	40.0	01:50 AM - 01:55 AM	49.8	48.8
08:35 PM - 08:40 PM	57.8	46.2	11:15 PM - 11:20 PM	55.2	41.3	01:55 AM - 02:00 AM	52.1	48.6
08:40 PM - 08:45 PM	61.5	46.2	11:20 PM - 11:25 PM	45.8	41.1	02:00 AM - 02:05 AM	50.1	48.3
08:45 PM - 08:50 PM	58.6	46.2	11:25 PM - 11:30 PM	56.7	40.8	02:05 AM - 02:10 AM	49.4	41.5
08:50 PM - 08:55 PM	58.8	47.6	11:30 PM - 11:35 PM	43.3	41.3	02:10 AM - 02:15 AM	47.0	46.4
08:55 PM - 09:00 PM	59.6	47.5	11:35 PM - 11:40 PM	46.7	43.2	02:15 AM - 02:20 AM	46.5	46.0
09:00 PM - 09:05 PM	56.7	47.1	11:40 PM - 11:45 PM	46.6	40.9	02:20 AM - 02:25 AM	49.6	45.5
09:05 PM - 09:10 PM	54.9	47.1	11:45 PM - 11:50 PM	47.5	42.7	02:25 AM - 02:30 AM	47.2	45.5
09:10 PM - 09:15 PM	53.2	45.9	11:50 PM - 11:55 PM	50.0	43.2	02:30 AM - 02:35 AM	51.7	44.9
09:15 PM - 09:20 PM	54.9	43.7	11:55 PM - 12:00 AM	52.9	43.7	02:35 AM - 02:40 AM	47.1	44.3
09:20 PM - 09:25 PM	55.7	43.2	12:00 AM - 12:05 AM	55.4	42.3	02:40 AM - 02:45 AM	49.5	43.1
09:25 PM - 09:30 PM	57.6	45.4	12:05 AM - 12:10 AM	54.1	44.5	02:45 AM - 02:50 AM	45.6	42.2
09:30 PM - 09:35 PM	53.6	43.2	12:10 AM - 12:15 AM	50.8	44.8	02:50 AM - 02:55 AM	45.5	42.0
09:35 PM - 09:40 PM	53.8	43.5	12:15 AM - 12:20 AM	50.0	42.7	02:55 AM - 03:00 AM	47.7	42.1

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Approved by

Sarayuth Jittrantont  
Assistant General Manager



## Analysis / Test Report

Client : Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140  
P/O : RJN(2)-004/066  
Project Name : Pluak Daeng  
Project Location :

Lot ID: 23115911  
Date Received : Nov 03, 2023  
Date Reported : Nov 07, 2023  
Report Number : 2828285-1

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Sample Number 23115911-12  
Parameter Noise Level (Leq 5 min)  
Location บ้านพักอาศัย หมู่ 2 ซ.มาบยางพร 15 (N2) (GPS 47P 0733642, 1434006)  
Measurement Date Oct 31 - Nov 01, 2023  
Measurement by Saknarin Jaraskay  
Sound Level meter Serial No. 597167

Nov 01, 2023 Time	Leq dB(A)	L90 dB(A)	Nov 01, 2023 Time	Leq dB(A)	L90 dB(A)	Nov 01, 2023 Time	Leq dB(A)	L90 dB(A)
03:00 AM - 03:05 AM	45.6	43.3	05:40 AM - 05:45 AM	53.5	40.2	08:20 AM - 08:25 AM	61.8	43.0
03:05 AM - 03:10 AM	44.7	43.3	05:45 AM - 05:50 AM	55.6	41.6	08:25 AM - 08:30 AM	65.5	46.6
03:10 AM - 03:15 AM	44.3	39.4	05:50 AM - 05:55 AM	55.5	42.2	08:30 AM - 08:35 AM	66.0	45.0
03:15 AM - 03:20 AM	49.7	39.1	05:55 AM - 06:00 AM	64.1	42.6	08:35 AM - 08:40 AM	62.2	42.5
03:20 AM - 03:25 AM	45.5	38.9	06:00 AM - 06:05 AM	55.6	43.3	08:40 AM - 08:45 AM	61.2	41.3
03:25 AM - 03:30 AM	45.7	40.4	06:05 AM - 06:10 AM	58.7	45.2	08:45 AM - 08:50 AM	61.9	43.2
03:30 AM - 03:35 AM	49.1	40.7	06:10 AM - 06:15 AM	59.8	43.7	08:50 AM - 08:55 AM	69.2	44.2
03:35 AM - 03:40 AM	47.9	40.9	06:15 AM - 06:20 AM	59.1	45.3	08:55 AM - 09:00 AM	65.9	43.1
03:40 AM - 03:45 AM	45.0	42.4	06:20 AM - 06:25 AM	60.8	46.7	09:00 AM - 09:05 AM	67.1	42.6
03:45 AM - 03:50 AM	52.9	41.6	06:25 AM - 06:30 AM	63.8	47.1	09:05 AM - 09:10 AM	60.2	43.8
03:50 AM - 03:55 AM	50.1	38.0	06:30 AM - 06:35 AM	59.7	46.1	09:10 AM - 09:15 AM	60.3	42.7
03:55 AM - 04:00 AM	54.5	38.9	06:35 AM - 06:40 AM	60.9	49.9	09:15 AM - 09:20 AM	69.9	45.5
04:00 AM - 04:05 AM	57.8	39.6	06:40 AM - 06:45 AM	63.8	53.4	09:20 AM - 09:25 AM	60.8	43.2
04:05 AM - 04:10 AM	48.0	39.3	06:45 AM - 06:50 AM	65.5	54.4	09:25 AM - 09:30 AM	63.5	43.9
04:10 AM - 04:15 AM	54.5	40.0	06:50 AM - 06:55 AM	65.6	50.0	09:30 AM - 09:35 AM	61.1	42.5
04:15 AM - 04:20 AM	48.8	40.2	06:55 AM - 07:00 AM	61.6	48.0	09:35 AM - 09:40 AM	57.0	43.7
04:20 AM - 04:25 AM	53.4	40.6	07:00 AM - 07:05 AM	63.9	53.5	09:40 AM - 09:45 AM	64.5	43.3
04:25 AM - 04:30 AM	51.8	41.7	07:05 AM - 07:10 AM	64.9	53.7	09:45 AM - 09:50 AM	63.9	42.7
04:30 AM - 04:35 AM	55.9	39.6	07:10 AM - 07:15 AM	65.6	52.4	09:50 AM - 09:55 AM	61.3	42.8
04:35 AM - 04:40 AM	55.5	40.3	07:15 AM - 07:20 AM	64.9	55.5	09:55 AM - 10:00 AM	62.8	44.3
04:40 AM - 04:45 AM	54.5	47.7	07:20 AM - 07:25 AM	64.6	55.9	10:00 AM - 10:05 AM	62.4	45.2
04:45 AM - 04:50 AM	51.8	47.8	07:25 AM - 07:30 AM	64.6	56.5	10:05 AM - 10:10 AM	66.3	45.3
04:50 AM - 04:55 AM	51.4	47.0	07:30 AM - 07:35 AM	63.7	54.5	10:10 AM - 10:15 AM	60.0	44.1
04:55 AM - 05:00 AM	51.3	41.5	07:35 AM - 07:40 AM	63.8	53.8	10:15 AM - 10:20 AM	68.6	47.2
05:00 AM - 05:05 AM	54.9	47.9	07:40 AM - 07:45 AM	66.9	55.4	10:20 AM - 10:25 AM	63.8	46.0
05:05 AM - 05:10 AM	57.2	46.8	07:45 AM - 07:50 AM	64.6	51.9	10:25 AM - 10:30 AM	64.4	44.9
05:10 AM - 05:15 AM	51.9	46.5	07:50 AM - 07:55 AM	63.6	49.4	10:30 AM - 10:35 AM	62.4	44.0
05:15 AM - 05:20 AM	55.3	47.4	07:55 AM - 08:00 AM	60.3	44.3	10:35 AM - 10:40 AM	58.3	42.0
05:20 AM - 05:25 AM	56.2	48.2	08:00 AM - 08:05 AM	61.8	46.5	10:40 AM - 10:45 AM	64.6	45.5
05:25 AM - 05:30 AM	53.4	39.7	08:05 AM - 08:10 AM	64.7	49.3	10:45 AM - 10:50 AM	58.4	42.5
05:30 AM - 05:35 AM	52.1	39.8	08:10 AM - 08:15 AM	58.2	45.1	10:50 AM - 10:55 AM	59.6	42.2
05:35 AM - 05:40 AM	57.4	40.1	08:15 AM - 08:20 AM	59.5	45.5	10:55 AM - 11:00 AM	66.7	46.4

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Approved by

Sarayuth Jittrantont  
Assistant General Manager



## Analysis / Test Report

Client : Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140  
P/O : RJN(2)-004/066  
Project Name : Pluak Daeng  
Project Location :

Lot ID: 23115911  
Date Received : Nov 03, 2023  
Date Reported : Nov 07, 2023  
Report Number : 2828286-1

Page 1 of 3

Sample Number : 23115911-13  
Parameter : Noise Level (Leq 5 min)  
Location : บ้านพักอาศัย หมู่ 2 ซ.มาบยางพร 15 (N2) (GPS 47P 0733642, 1434006)  
Measurement Date : Nov 01 - Nov 02, 2023  
Measurement by : Saknarin Jaraskay  
Sound Level meter : Serial No. 597167

Nov 01, 2023	Leq	L90	Nov 01, 2023	Leq	L90	Nov 01, 2023	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
11:00 AM - 11:05 AM	65.8	43.2	01:40 PM - 01:45 PM	62.9	44.7	04:20 PM - 04:25 PM	60.2	53.8
11:05 AM - 11:10 AM	65.7	42.8	01:45 PM - 01:50 PM	62.0	42.0	04:25 PM - 04:30 PM	58.8	52.8
11:10 AM - 11:15 AM	68.8	42.5	01:50 PM - 01:55 PM	68.3	43.1	04:30 PM - 04:35 PM	61.5	54.4
11:15 AM - 11:20 AM	65.9	45.6	01:55 PM - 02:00 PM	66.0	40.5	04:35 PM - 04:40 PM	64.1	58.6
11:20 AM - 11:25 AM	68.8	44.1	02:00 PM - 02:05 PM	67.0	40.7	04:40 PM - 04:45 PM	60.3	53.2
11:25 AM - 11:30 AM	65.0	41.6	02:05 PM - 02:10 PM	67.0	43.2	04:45 PM - 04:50 PM	62.8	57.3
11:30 AM - 11:35 AM	63.2	44.9	02:10 PM - 02:15 PM	62.7	40.4	04:50 PM - 04:55 PM	67.3	60.8
11:35 AM - 11:40 AM	64.1	44.6	02:15 PM - 02:20 PM	65.4	40.1	04:55 PM - 05:00 PM	60.0	52.9
11:40 AM - 11:45 AM	66.6	49.9	02:20 PM - 02:25 PM	65.4	40.9	05:00 PM - 05:05 PM	64.2	48.9
11:45 AM - 11:50 AM	65.1	47.4	02:25 PM - 02:30 PM	68.5	43.5	05:05 PM - 05:10 PM	62.5	51.4
11:50 AM - 11:55 AM	65.1	42.8	02:30 PM - 02:35 PM	63.0	42.9	05:10 PM - 05:15 PM	62.1	50.9
11:55 AM - 12:00 PM	62.3	45.9	02:35 PM - 02:40 PM	64.6	41.9	05:15 PM - 05:20 PM	63.8	51.7
12:00 PM - 12:05 PM	61.1	44.7	02:40 PM - 02:45 PM	60.3	41.9	05:20 PM - 05:25 PM	67.8	52.4
12:05 PM - 12:10 PM	66.5	47.9	02:45 PM - 02:50 PM	66.3	42.1	05:25 PM - 05:30 PM	61.2	48.4
12:10 PM - 12:15 PM	61.7	42.3	02:50 PM - 02:55 PM	68.9	42.9	05:30 PM - 05:35 PM	64.5	51.9
12:15 PM - 12:20 PM	66.0	40.1	02:55 PM - 03:00 PM	66.3	43.9	05:35 PM - 05:40 PM	61.2	52.5
12:20 PM - 12:25 PM	66.5	45.7	03:00 PM - 03:05 PM	67.9	47.4	05:40 PM - 05:45 PM	64.0	49.1
12:25 PM - 12:30 PM	68.2	45.2	03:05 PM - 03:10 PM	68.8	47.3	05:45 PM - 05:50 PM	61.6	49.1
12:30 PM - 12:35 PM	65.1	44.0	03:10 PM - 03:15 PM	62.0	42.5	05:50 PM - 05:55 PM	60.5	50.4
12:35 PM - 12:40 PM	62.7	43.5	03:15 PM - 03:20 PM	60.7	41.2	05:55 PM - 06:00 PM	59.8	51.2
12:40 PM - 12:45 PM	63.2	42.5	03:20 PM - 03:25 PM	65.2	43.3	06:00 PM - 06:05 PM	59.8	48.7
12:45 PM - 12:50 PM	64.6	46.3	03:25 PM - 03:30 PM	66.7	45.4	06:05 PM - 06:10 PM	63.9	47.3
12:50 PM - 12:55 PM	62.7	47.3	03:30 PM - 03:35 PM	63.0	42.5	06:10 PM - 06:15 PM	60.1	49.9
12:55 PM - 01:00 PM	67.0	43.6	03:35 PM - 03:40 PM	67.8	41.1	06:15 PM - 06:20 PM	59.1	44.0
01:00 PM - 01:05 PM	65.8	41.6	03:40 PM - 03:45 PM	65.9	43.1	06:20 PM - 06:25 PM	58.9	45.8
01:05 PM - 01:10 PM	67.9	42.8	03:45 PM - 03:50 PM	59.1	41.8	06:25 PM - 06:30 PM	58.9	48.4
01:10 PM - 01:15 PM	67.8	42.4	03:50 PM - 03:55 PM	65.2	44.0	06:30 PM - 06:35 PM	58.9	47.8
01:15 PM - 01:20 PM	66.2	42.8	03:55 PM - 04:00 PM	63.6	42.4	06:35 PM - 06:40 PM	59.9	49.8
01:20 PM - 01:25 PM	62.9	42.0	04:00 PM - 04:05 PM	65.6	43.1	06:40 PM - 06:45 PM	61.2	48.6
01:25 PM - 01:30 PM	68.7	44.7	04:05 PM - 04:10 PM	68.5	42.9	06:45 PM - 06:50 PM	57.7	46.7
01:30 PM - 01:35 PM	63.5	38.9	04:10 PM - 04:15 PM	66.2	40.6	06:50 PM - 06:55 PM	57.8	44.4
01:35 PM - 01:40 PM	64.3	42.9	04:15 PM - 04:20 PM	67.3	57.2	06:55 PM - 07:00 PM	60.5	47.6

Approved by

Sarayuth Jittrantont  
Assistant General Manager

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## Analysis / Test Report

Client : Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140  
P/O : RJN(2)-004/066  
Project Name : Pluak Daeng  
Project Location :

Lot ID: 23115911  
Date Received : Nov 03, 2023  
Date Reported : Nov 07, 2023  
Report Number : 2828286-1

Page 2 of 3

Sample Number 23115911-13  
Parameter Noise Level (Leq 5 min)  
Location บ้านพักอาศัย หมู่ 2 ซ. มานะราษฎร์ 15 (N2) (GPS 47P 0733642, 1434006)  
Measurement Date Nov 01 - Nov 02, 2023  
Measurement by Saknarin Jaraskay  
Sound Level meter Serial No. 597167

Nov 01, 2023	Leq	L90	Nov 01 - Nov 02, 2023	Leq	L90	Nov 02, 2023	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
07:00 PM - 07:05 PM	61.5	46.8	09:40 PM - 09:45 PM	51.7	41.9	12:20 AM - 12:25 AM	48.4	37.2
07:05 PM - 07:10 PM	60.6	46.0	09:45 PM - 09:50 PM	51.8	41.5	12:25 AM - 12:30 AM	45.0	37.2
07:10 PM - 07:15 PM	60.1	49.0	09:50 PM - 09:55 PM	51.7	41.8	12:30 AM - 12:35 AM	48.9	38.2
07:15 PM - 07:20 PM	64.1	47.8	09:55 PM - 10:00 PM	51.2	42.5	12:35 AM - 12:40 AM	52.4	38.1
07:20 PM - 07:25 PM	63.6	52.5	10:00 PM - 10:05 PM	56.9	43.6	12:40 AM - 12:45 AM	43.2	38.4
07:25 PM - 07:30 PM	61.0	48.7	10:05 PM - 10:10 PM	53.9	42.7	12:45 AM - 12:50 AM	43.5	38.1
07:30 PM - 07:35 PM	60.1	48.2	10:10 PM - 10:15 PM	54.2	41.9	12:50 AM - 12:55 AM	51.6	38.4
07:35 PM - 07:40 PM	65.5	47.8	10:15 PM - 10:20 PM	53.8	41.9	12:55 AM - 01:00 AM	48.9	38.0
07:40 PM - 07:45 PM	60.3	46.1	10:20 PM - 10:25 PM	49.7	43.0	01:00 AM - 01:05 AM	42.6	37.7
07:45 PM - 07:50 PM	65.2	47.5	10:25 PM - 10:30 PM	51.0	41.1	01:05 AM - 01:10 AM	43.3	37.2
07:50 PM - 07:55 PM	59.4	43.9	10:30 PM - 10:35 PM	53.0	40.4	01:10 AM - 01:15 AM	51.4	37.9
07:55 PM - 08:00 PM	58.9	43.7	10:35 PM - 10:40 PM	52.5	39.5	01:15 AM - 01:20 AM	48.4	37.8
08:00 PM - 08:05 PM	62.5	43.3	10:40 PM - 10:45 PM	52.5	39.7	01:20 AM - 01:25 AM	43.1	38.3
08:05 PM - 08:10 PM	63.2	46.9	10:45 PM - 10:50 PM	48.0	40.4	01:25 AM - 01:30 AM	54.6	38.6
08:10 PM - 08:15 PM	62.8	46.5	10:50 PM - 10:55 PM	56.9	40.0	01:30 AM - 01:35 AM	50.7	38.7
08:15 PM - 08:20 PM	61.3	45.5	10:55 PM - 11:00 PM	46.5	39.7	01:35 AM - 01:40 AM	44.6	38.2
08:20 PM - 08:25 PM	59.8	45.9	11:00 PM - 11:05 PM	48.2	40.0	01:40 AM - 01:45 AM	51.2	38.1
08:25 PM - 08:30 PM	62.8	46.0	11:05 PM - 11:10 PM	50.2	39.8	01:45 AM - 01:50 AM	49.5	37.4
08:30 PM - 08:35 PM	58.0	44.1	11:10 PM - 11:15 PM	46.6	39.0	01:50 AM - 01:55 AM	42.1	37.7
08:35 PM - 08:40 PM	58.6	44.8	11:15 PM - 11:20 PM	51.1	39.6	01:55 AM - 02:00 AM	49.5	38.0
08:40 PM - 08:45 PM	58.6	44.3	11:20 PM - 11:25 PM	49.8	38.6	02:00 AM - 02:05 AM	42.4	38.4
08:45 PM - 08:50 PM	58.9	44.6	11:25 PM - 11:30 PM	45.4	38.1	02:05 AM - 02:10 AM	42.6	38.9
08:50 PM - 08:55 PM	56.6	44.1	11:30 PM - 11:35 PM	48.8	37.8	02:10 AM - 02:15 AM	42.7	39.3
08:55 PM - 09:00 PM	55.1	44.0	11:35 PM - 11:40 PM	47.4	38.8	02:15 AM - 02:20 AM	40.9	37.4
09:00 PM - 09:05 PM	56.3	43.1	11:40 PM - 11:45 PM	49.0	38.8	02:20 AM - 02:25 AM	38.0	36.4
09:05 PM - 09:10 PM	57.4	42.3	11:45 PM - 11:50 PM	43.1	38.8	02:25 AM - 02:30 AM	54.4	36.4
09:10 PM - 09:15 PM	57.9	42.5	11:50 PM - 11:55 PM	51.6	39.8	02:30 AM - 02:35 AM	42.3	36.4
09:15 PM - 09:20 PM	50.5	41.8	11:55 PM - 12:00 AM	44.1	38.8	02:35 AM - 02:40 AM	43.6	36.3
09:20 PM - 09:25 PM	57.0	42.2	12:00 AM - 12:05 AM	50.5	38.8	02:40 AM - 02:45 AM	36.8	35.8
09:25 PM - 09:30 PM	55.4	42.0	12:05 AM - 12:10 AM	49.7	39.0	02:45 AM - 02:50 AM	45.7	36.5
09:30 PM - 09:35 PM	52.6	40.3	12:10 AM - 12:15 AM	45.6	38.5	02:50 AM - 02:55 AM	37.5	36.3
09:35 PM - 09:40 PM	54.9	43.3	12:15 AM - 12:20 AM	40.9	38.2	02:55 AM - 03:00 AM	44.4	36.1

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Approved by

Sarayuth Jittrantont  
Assistant General Manager



## Analysis / Test Report

Client : Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140  
P/O : RJN(2)-004/066  
Project Name : Pluak Daeng  
Project Location :

Lot ID: 23115911  
Date Received : Nov 03, 2023  
Date Reported : Nov 07, 2023  
Report Number : 2828286-1

Page 3 of 3

Sample Number 23115911-13  
Parameter Noise Level (Leq 5 min)  
Location บ้านพักอาศัย หมู่ 2 ซ. มานะราษฎร์ 15 (N2) (GPS 47P 0733642, 1434006)  
Measurement Date Nov 01 - Nov 02, 2023  
Measurement by Saknarin Jaraskay  
Sound Level meter Serial No. 597167

Nov 02, 2023 Time	Leq dB(A)	L90 dB(A)	Nov 02, 2023 Time	Leq dB(A)	L90 dB(A)	Nov 02, 2023 Time	Leq dB(A)	L90 dB(A)
03:00 AM - 03:05 AM	51.7	35.9	05:40 AM - 05:45 AM	56.5	41.0	08:20 AM - 08:25 AM	62.5	44.6
03:05 AM - 03:10 AM	42.9	35.9	05:45 AM - 05:50 AM	57.6	41.4	08:25 AM - 08:30 AM	57.7	41.3
03:10 AM - 03:15 AM	40.6	35.8	05:50 AM - 05:55 AM	55.0	40.9	08:30 AM - 08:35 AM	63.6	41.8
03:15 AM - 03:20 AM	47.9	36.1	05:55 AM - 06:00 AM	57.1	42.7	08:35 AM - 08:40 AM	64.9	44.4
03:20 AM - 03:25 AM	44.8	36.7	06:00 AM - 06:05 AM	59.6	43.3	08:40 AM - 08:45 AM	63.7	43.2
03:25 AM - 03:30 AM	40.4	37.8	06:05 AM - 06:10 AM	60.2	43.8	08:45 AM - 08:50 AM	66.7	41.6
03:30 AM - 03:35 AM	40.2	37.8	06:10 AM - 06:15 AM	61.3	42.8	08:50 AM - 08:55 AM	64.3	39.2
03:35 AM - 03:40 AM	45.8	37.0	06:15 AM - 06:20 AM	59.8	46.3	08:55 AM - 09:00 AM	63.7	42.5
03:40 AM - 03:45 AM	48.4	36.4	06:20 AM - 06:25 AM	60.9	45.5	09:00 AM - 09:05 AM	65.1	41.0
03:45 AM - 03:50 AM	47.0	37.7	06:25 AM - 06:30 AM	59.2	44.8	09:05 AM - 09:10 AM	64.9	42.9
03:50 AM - 03:55 AM	40.5	38.3	06:30 AM - 06:35 AM	62.3	48.2	09:10 AM - 09:15 AM	65.6	42.3
03:55 AM - 04:00 AM	49.3	37.9	06:35 AM - 06:40 AM	68.6	48.3	09:15 AM - 09:20 AM	67.2	42.9
04:00 AM - 04:05 AM	39.0	36.4	06:40 AM - 06:45 AM	64.5	49.8	09:20 AM - 09:25 AM	62.2	42.1
04:05 AM - 04:10 AM	44.5	36.0	06:45 AM - 06:50 AM	63.6	47.9	09:25 AM - 09:30 AM	65.9	41.9
04:10 AM - 04:15 AM	39.0	35.9	06:50 AM - 06:55 AM	61.6	50.0	09:30 AM - 09:35 AM	63.6	39.6
04:15 AM - 04:20 AM	44.3	37.5	06:55 AM - 07:00 AM	64.2	49.4	09:35 AM - 09:40 AM	66.5	42.3
04:20 AM - 04:25 AM	53.5	38.0	07:00 AM - 07:05 AM	64.9	50.0	09:40 AM - 09:45 AM	63.6	41.9
04:25 AM - 04:30 AM	49.8	38.0	07:05 AM - 07:10 AM	63.6	48.7	09:45 AM - 09:50 AM	60.5	42.7
04:30 AM - 04:35 AM	51.2	38.9	07:10 AM - 07:15 AM	64.0	52.4	09:50 AM - 09:55 AM	62.1	41.6
04:35 AM - 04:40 AM	54.7	37.9	07:15 AM - 07:20 AM	66.0	55.7	09:55 AM - 10:00 AM	65.1	40.0
04:40 AM - 04:45 AM	43.8	37.7	07:20 AM - 07:25 AM	64.6	52.5	10:00 AM - 10:05 AM	62.7	37.6
04:45 AM - 04:50 AM	57.2	38.6	07:25 AM - 07:30 AM	65.1	55.1	10:05 AM - 10:10 AM	62.1	40.9
04:50 AM - 04:55 AM	51.2	37.9	07:30 AM - 07:35 AM	67.0	54.7	10:10 AM - 10:15 AM	63.5	39.4
04:55 AM - 05:00 AM	47.5	37.5	07:35 AM - 07:40 AM	65.4	53.3	10:15 AM - 10:20 AM	63.3	41.3
05:00 AM - 05:05 AM	56.6	38.6	07:40 AM - 07:45 AM	63.5	53.8	10:20 AM - 10:25 AM	64.0	40.7
05:05 AM - 05:10 AM	55.2	40.3	07:45 AM - 07:50 AM	63.6	52.9	10:25 AM - 10:30 AM	65.6	41.3
05:10 AM - 05:15 AM	55.7	39.9	07:50 AM - 07:55 AM	65.5	49.6	10:30 AM - 10:35 AM	60.6	40.5
05:15 AM - 05:20 AM	51.8	39.6	07:55 AM - 08:00 AM	62.1	45.8	10:35 AM - 10:40 AM	64.3	40.3
05:20 AM - 05:25 AM	54.6	39.8	08:00 AM - 08:05 AM	66.2	47.2	10:40 AM - 10:45 AM	62.0	38.0
05:25 AM - 05:30 AM	54.4	39.7	08:05 AM - 08:10 AM	64.7	45.7	10:45 AM - 10:50 AM	64.9	40.7
05:30 AM - 05:35 AM	54.8	40.2	08:10 AM - 08:15 AM	57.1	40.7	10:50 AM - 10:55 AM	62.0	40.3
05:35 AM - 05:40 AM	55.1	40.4	08:15 AM - 08:20 AM	60.5	43.3	10:55 AM - 11:00 AM	58.9	41.1

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Approved by

Sarayuth Jittrantont  
Assistant General Manager



## Analysis / Test Report

Client : Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140  
P/O : RJN(2)-004/066  
Project Name : Pluak Daeng  
Project Location :

Lot ID: 23115911  
Date Received : Nov 03, 2023  
Date Reported : Nov 07, 2023  
Report Number : 2828287-1

Page 1 of 3

Sample Number 23115911-14  
Parameter Noise Level (Leq 5 min)  
Location บ้านพักอาศัย หมู่ 2 ซ.มาบยางพร 15 (N2) (GPS 47P 0733642, 1434006)  
Measurement Date Nov 02 - Nov 03, 2023  
Measurement by Saknarin Jaraskay  
Sound Level meter Serial No. 597167

Nov 02, 2023	Leq	L90	Nov 02, 2023	Leq	L90	Nov 02, 2023	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
11:00 AM - 11:05 AM	56.4	38.4	01:40 PM - 01:45 PM	52.1	39.8	04:20 PM - 04:25 PM	52.5	39.4
11:05 AM - 11:10 AM	54.8	37.9	01:45 PM - 01:50 PM	63.8	38.7	04:25 PM - 04:30 PM	54.8	40.2
11:10 AM - 11:15 AM	53.2	40.9	01:50 PM - 01:55 PM	63.7	42.2	04:30 PM - 04:35 PM	55.1	39.4
11:15 AM - 11:20 AM	52.2	39.5	01:55 PM - 02:00 PM	53.6	38.8	04:35 PM - 04:40 PM	57.1	43.6
11:20 AM - 11:25 AM	55.1	41.5	02:00 PM - 02:05 PM	51.7	40.2	04:40 PM - 04:45 PM	57.9	41.7
11:25 AM - 11:30 AM	62.7	41.0	02:05 PM - 02:10 PM	61.2	40.6	04:45 PM - 04:50 PM	54.7	41.3
11:30 AM - 11:35 AM	55.8	42.6	02:10 PM - 02:15 PM	66.2	42.2	04:50 PM - 04:55 PM	59.9	43.7
11:35 AM - 11:40 AM	57.7	42.3	02:15 PM - 02:20 PM	57.9	42.3	04:55 PM - 05:00 PM	60.0	41.8
11:40 AM - 11:45 AM	55.2	42.0	02:20 PM - 02:25 PM	62.5	41.8	05:00 PM - 05:05 PM	60.9	44.6
11:45 AM - 11:50 AM	57.0	41.7	02:25 PM - 02:30 PM	56.3	40.9	05:05 PM - 05:10 PM	60.7	47.4
11:50 AM - 11:55 AM	57.4	41.6	02:30 PM - 02:35 PM	50.3	38.7	05:10 PM - 05:15 PM	60.8	45.1
11:55 AM - 12:00 PM	60.5	43.6	02:35 PM - 02:40 PM	61.1	40.0	05:15 PM - 05:20 PM	61.9	46.7
12:00 PM - 12:05 PM	65.7	48.0	02:40 PM - 02:45 PM	58.1	41.2	05:20 PM - 05:25 PM	58.2	45.6
12:05 PM - 12:10 PM	59.0	44.2	02:45 PM - 02:50 PM	52.5	40.5	05:25 PM - 05:30 PM	58.1	46.3
12:10 PM - 12:15 PM	59.9	42.7	02:50 PM - 02:55 PM	52.0	39.2	05:30 PM - 05:35 PM	58.0	44.9
12:15 PM - 12:20 PM	55.4	41.3	02:55 PM - 03:00 PM	52.1	39.2	05:35 PM - 05:40 PM	58.8	44.2
12:20 PM - 12:25 PM	57.6	45.9	03:00 PM - 03:05 PM	52.4	41.1	05:40 PM - 05:45 PM	56.4	43.5
12:25 PM - 12:30 PM	53.7	41.1	03:05 PM - 03:10 PM	49.6	39.4	05:45 PM - 05:50 PM	60.3	45.0
12:30 PM - 12:35 PM	54.2	42.4	03:10 PM - 03:15 PM	53.8	39.2	05:50 PM - 05:55 PM	59.0	46.0
12:35 PM - 12:40 PM	60.5	43.7	03:15 PM - 03:20 PM	57.2	40.1	05:55 PM - 06:00 PM	63.8	47.6
12:40 PM - 12:45 PM	54.5	42.9	03:20 PM - 03:25 PM	58.2	41.6	06:00 PM - 06:05 PM	58.4	46.9
12:45 PM - 12:50 PM	57.2	39.7	03:25 PM - 03:30 PM	54.6	40.9	06:05 PM - 06:10 PM	57.3	48.2
12:50 PM - 12:55 PM	63.8	40.6	03:30 PM - 03:35 PM	56.1	42.4	06:10 PM - 06:15 PM	56.2	44.5
12:55 PM - 01:00 PM	60.6	45.5	03:35 PM - 03:40 PM	52.7	39.4	06:15 PM - 06:20 PM	56.5	44.9
01:00 PM - 01:05 PM	57.4	41.8	03:40 PM - 03:45 PM	55.2	39.8	06:20 PM - 06:25 PM	57.9	45.8
01:05 PM - 01:10 PM	57.5	41.2	03:45 PM - 03:50 PM	55.6	40.1	06:25 PM - 06:30 PM	57.4	45.0
01:10 PM - 01:15 PM	65.7	41.9	03:50 PM - 03:55 PM	53.2	41.8	06:30 PM - 06:35 PM	58.7	47.1
01:15 PM - 01:20 PM	59.3	40.8	03:55 PM - 04:00 PM	60.5	42.8	06:35 PM - 06:40 PM	59.7	49.0
01:20 PM - 01:25 PM	52.1	39.7	04:00 PM - 04:05 PM	52.2	41.4	06:40 PM - 06:45 PM	55.8	44.6
01:25 PM - 01:30 PM	58.1	39.7	04:05 PM - 04:10 PM	54.1	42.2	06:45 PM - 06:50 PM	56.1	45.8
01:30 PM - 01:35 PM	52.3	39.9	04:10 PM - 04:15 PM	53.0	39.6	06:50 PM - 06:55 PM	61.1	45.6
01:35 PM - 01:40 PM	62.4	42.1	04:15 PM - 04:20 PM	55.1	39.3	06:55 PM - 07:00 PM	57.1	45.2

Approved by

Sarayuth Jittrantont  
Assistant General Manager

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## Analysis / Test Report

Client : Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140  
P/O : RJN(2)-004/066  
Project Name : Pluak Daeng  
Project Location :

Lot ID: 23115911  
Date Received : Nov 03, 2023  
Date Reported : Nov 07, 2023  
Report Number : 2828287-1

Page 2 of 3

Sample Number 23115911-14  
Parameter Noise Level (Leq 5 min)  
Location บ้านพักอาศัย หมู่ 2 ซ. มานะราษฎร์ 15 (N2) (GPS 47P 0733642, 1434006)  
Measurement Date Nov 02 - Nov 03, 2023  
Measurement by Saknarin Jaraskay  
Sound Level meter Serial No. 597167

Nov 02, 2023	Leq	L90	Nov 02 - Nov 03, 2023	Leq	L90	Nov 03, 2023	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
07:00 PM - 07:05 PM	61.1	47.4	09:40 PM - 09:45 PM	55.9	40.4	12:20 AM - 12:25 AM	51.2	39.2
07:05 PM - 07:10 PM	57.4	45.3	09:45 PM - 09:50 PM	50.9	39.2	12:25 AM - 12:30 AM	42.7	39.3
07:10 PM - 07:15 PM	58.1	43.4	09:50 PM - 09:55 PM	48.3	40.0	12:30 AM - 12:35 AM	43.6	39.9
07:15 PM - 07:20 PM	56.9	44.5	09:55 PM - 10:00 PM	59.4	40.1	12:35 AM - 12:40 AM	48.8	40.0
07:20 PM - 07:25 PM	62.1	47.4	10:00 PM - 10:05 PM	50.4	39.8	12:40 AM - 12:45 AM	48.8	40.1
07:25 PM - 07:30 PM	58.8	46.0	10:05 PM - 10:10 PM	52.7	39.6	12:45 AM - 12:50 AM	45.7	40.1
07:30 PM - 07:35 PM	58.9	46.0	10:10 PM - 10:15 PM	60.4	40.4	12:50 AM - 12:55 AM	54.7	40.7
07:35 PM - 07:40 PM	57.9	43.3	10:15 PM - 10:20 PM	50.0	40.0	12:55 AM - 01:00 AM	46.9	40.0
07:40 PM - 07:45 PM	61.3	43.4	10:20 PM - 10:25 PM	49.7	38.8	01:00 AM - 01:05 AM	46.9	39.5
07:45 PM - 07:50 PM	58.3	41.9	10:25 PM - 10:30 PM	49.1	37.7	01:05 AM - 01:10 AM	45.3	39.6
07:50 PM - 07:55 PM	56.2	39.7	10:30 PM - 10:35 PM	46.1	38.2	01:10 AM - 01:15 AM	51.4	39.9
07:55 PM - 08:00 PM	56.1	40.2	10:35 PM - 10:40 PM	42.9	38.0	01:15 AM - 01:20 AM	48.3	39.3
08:00 PM - 08:05 PM	59.0	42.8	10:40 PM - 10:45 PM	50.8	38.3	01:20 AM - 01:25 AM	41.2	39.1
08:05 PM - 08:10 PM	60.9	41.6	10:45 PM - 10:50 PM	47.0	38.6	01:25 AM - 01:30 AM	44.5	36.3
08:10 PM - 08:15 PM	58.5	44.2	10:50 PM - 10:55 PM	43.5	38.3	01:30 AM - 01:35 AM	46.7	36.2
08:15 PM - 08:20 PM	57.9	44.6	10:55 PM - 11:00 PM	39.5	37.7	01:35 AM - 01:40 AM	45.5	37.6
08:20 PM - 08:25 PM	58.3	45.1	11:00 PM - 11:05 PM	43.6	37.9	01:40 AM - 01:45 AM	47.8	46.3
08:25 PM - 08:30 PM	56.9	42.5	11:05 PM - 11:10 PM	46.3	37.2	01:45 AM - 01:50 AM	47.3	45.9
08:30 PM - 08:35 PM	56.9	44.5	11:10 PM - 11:15 PM	48.2	37.5	01:50 AM - 01:55 AM	47.3	46.3
08:35 PM - 08:40 PM	55.3	43.7	11:15 PM - 11:20 PM	52.7	38.8	01:55 AM - 02:00 AM	49.6	46.1
08:40 PM - 08:45 PM	59.0	43.7	11:20 PM - 11:25 PM	43.3	38.6	02:00 AM - 02:05 AM	47.6	45.8
08:45 PM - 08:50 PM	56.1	43.7	11:25 PM - 11:30 PM	54.2	38.3	02:05 AM - 02:10 AM	46.9	39.0
08:50 PM - 08:55 PM	56.3	45.1	11:30 PM - 11:35 PM	40.8	38.8	02:10 AM - 02:15 AM	44.5	43.9
08:55 PM - 09:00 PM	57.1	45.0	11:35 PM - 11:40 PM	44.2	40.7	02:15 AM - 02:20 AM	44.0	43.5
09:00 PM - 09:05 PM	54.2	44.6	11:40 PM - 11:45 PM	44.1	38.4	02:20 AM - 02:25 AM	47.1	43.0
09:05 PM - 09:10 PM	52.4	44.6	11:45 PM - 11:50 PM	45.0	40.2	02:25 AM - 02:30 AM	44.7	43.0
09:10 PM - 09:15 PM	50.7	43.4	11:50 PM - 11:55 PM	47.5	40.7	02:30 AM - 02:35 AM	49.2	42.4
09:15 PM - 09:20 PM	52.4	41.2	11:55 PM - 12:00 AM	50.4	41.2	02:35 AM - 02:40 AM	44.6	41.8
09:20 PM - 09:25 PM	53.2	40.7	12:00 AM - 12:05 AM	52.9	39.8	02:40 AM - 02:45 AM	47.0	40.6
09:25 PM - 09:30 PM	55.1	42.9	12:05 AM - 12:10 AM	51.6	42.0	02:45 AM - 02:50 AM	43.1	39.7
09:30 PM - 09:35 PM	51.1	40.7	12:10 AM - 12:15 AM	48.3	42.3	02:50 AM - 02:55 AM	43.0	39.5
09:35 PM - 09:40 PM	51.3	41.0	12:15 AM - 12:20 AM	47.5	40.2	02:55 AM - 03:00 AM	45.2	39.6

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Approved by

Sarayuth Jittrantont  
Assistant General Manager



## Analysis / Test Report

Client : Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140  
P/O : RJN(2)-004/066  
Project Name : Pluak Daeng  
Project Location :

Lot ID: 23115911  
Date Received : Nov 03, 2023  
Date Reported : Nov 07, 2023  
Report Number : 2828287-1

Page 3 of 3

Sample Number 23115911-14  
Parameter Noise Level (Leq 5 min)  
Location บ้านพักอาศัย หมู่ 2 ซ. มานะราษฎร์ 15 (N2) (GPS 47P 0733642, 1434006)  
Measurement Date Nov 02 - Nov 03, 2023  
Measurement by Saknarin Jaraskay  
Sound Level meter Serial No. 597167

Nov 03, 2023 Time	Leq dB(A)	L90 dB(A)	Nov 03, 2023 Time	Leq dB(A)	L90 dB(A)	Nov 03, 2023 Time	Leq dB(A)	L90 dB(A)
03:00 AM - 03:05 AM	43.1	40.8	05:40 AM - 05:45 AM	51.0	37.7	08:20 AM - 08:25 AM	60.2	42.2
03:05 AM - 03:10 AM	42.2	40.8	05:45 AM - 05:50 AM	53.1	39.1	08:25 AM - 08:30 AM	58.6	41.7
03:10 AM - 03:15 AM	41.8	36.9	05:50 AM - 05:55 AM	53.0	39.7	08:30 AM - 08:35 AM	57.0	44.7
03:15 AM - 03:20 AM	47.2	36.6	05:55 AM - 06:00 AM	61.6	40.1	08:35 AM - 08:40 AM	56.0	43.3
03:20 AM - 03:25 AM	43.0	36.4	06:00 AM - 06:05 AM	53.1	40.8	08:40 AM - 08:45 AM	58.9	45.3
03:25 AM - 03:30 AM	43.2	37.9	06:05 AM - 06:10 AM	56.2	42.7	08:45 AM - 08:50 AM	66.5	44.8
03:30 AM - 03:35 AM	46.6	38.2	06:10 AM - 06:15 AM	57.3	41.2	08:50 AM - 08:55 AM	59.6	46.4
03:35 AM - 03:40 AM	45.4	38.4	06:15 AM - 06:20 AM	56.6	42.8	08:55 AM - 09:00 AM	61.5	46.1
03:40 AM - 03:45 AM	42.5	39.9	06:20 AM - 06:25 AM	58.3	44.2	09:00 AM - 09:05 AM	59.0	45.8
03:45 AM - 03:50 AM	50.4	39.1	06:25 AM - 06:30 AM	61.3	44.6	09:05 AM - 09:10 AM	60.8	45.5
03:50 AM - 03:55 AM	47.6	35.5	06:30 AM - 06:35 AM	57.2	43.6	09:10 AM - 09:15 AM	61.2	45.4
03:55 AM - 04:00 AM	52.0	36.4	06:35 AM - 06:40 AM	58.4	47.4	09:15 AM - 09:20 AM	64.3	47.4
04:00 AM - 04:05 AM	55.3	37.1	06:40 AM - 06:45 AM	61.3	50.9	09:20 AM - 09:25 AM	69.5	51.8
04:05 AM - 04:10 AM	45.5	36.8	06:45 AM - 06:50 AM	63.0	51.9	09:25 AM - 09:30 AM	62.8	48.0
04:10 AM - 04:15 AM	52.0	37.5	06:50 AM - 06:55 AM	63.1	47.5	09:30 AM - 09:35 AM	63.7	46.5
04:15 AM - 04:20 AM	46.3	37.7	06:55 AM - 07:00 AM	59.1	45.5	09:35 AM - 09:40 AM	59.2	45.1
04:20 AM - 04:25 AM	50.9	38.1	07:00 AM - 07:05 AM	61.4	51.0	09:40 AM - 09:45 AM	61.4	49.7
04:25 AM - 04:30 AM	49.3	39.2	07:05 AM - 07:10 AM	62.4	51.2	09:45 AM - 09:50 AM	57.5	44.9
04:30 AM - 04:35 AM	53.4	37.1	07:10 AM - 07:15 AM	63.1	49.9	09:50 AM - 09:55 AM	58.0	46.2
04:35 AM - 04:40 AM	53.0	37.8	07:15 AM - 07:20 AM	62.4	53.0	09:55 AM - 10:00 AM	64.3	47.5
04:40 AM - 04:45 AM	52.0	45.2	07:20 AM - 07:25 AM	62.1	53.4	10:00 AM - 10:05 AM	58.3	46.7
04:45 AM - 04:50 AM	49.3	45.3	07:25 AM - 07:30 AM	62.1	54.0	10:05 AM - 10:10 AM	61.0	43.5
04:50 AM - 04:55 AM	48.9	44.5	07:30 AM - 07:35 AM	61.2	52.0	10:10 AM - 10:15 AM	67.6	44.4
04:55 AM - 05:00 AM	48.8	39.0	07:35 AM - 07:40 AM	61.3	51.3	10:15 AM - 10:20 AM	64.4	49.3
05:00 AM - 05:05 AM	52.4	45.4	07:40 AM - 07:45 AM	64.4	52.9	10:20 AM - 10:25 AM	61.2	45.6
05:05 AM - 05:10 AM	54.7	44.3	07:45 AM - 07:50 AM	62.1	49.4	10:25 AM - 10:30 AM	61.3	45.0
05:10 AM - 05:15 AM	49.4	44.0	07:50 AM - 07:55 AM	61.1	46.9	10:30 AM - 10:35 AM	69.5	45.7
05:15 AM - 05:20 AM	52.8	44.9	07:55 AM - 08:00 AM	57.8	41.8	10:35 AM - 10:40 AM	63.1	44.6
05:20 AM - 05:25 AM	53.7	45.7	08:00 AM - 08:05 AM	59.3	44.0	10:40 AM - 10:45 AM	55.9	43.5
05:25 AM - 05:30 AM	50.9	37.2	08:05 AM - 08:10 AM	62.2	46.8	10:45 AM - 10:50 AM	61.9	43.5
05:30 AM - 05:35 AM	49.6	37.3	08:10 AM - 08:15 AM	55.7	42.6	10:50 AM - 10:55 AM	56.1	43.7
05:35 AM - 05:40 AM	54.9	37.6	08:15 AM - 08:20 AM	57.0	43.0	10:55 AM - 11:00 AM	66.2	45.9

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Approved by

Sarayuth Jittrantont  
Assistant General Manager

# ภาคผนวก ค-10

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ระดับเสียงรบกวน



## Analysis / Test Report

TESTING  
No.0042

Client : Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140

Lot ID: 23115912  
Date Received : Nov 03, 2023  
Date Reported : Nov 06, 2023  
Report Number : 2827126-1

P/O : RJN(2)-004/066  
Project Name : Pluak Daeng  
Project Location :

Page 1 of 3

Sample No. 23115912-1  
Parameter เสียงรบกวน  
Location บ้านวังตาลหมอน (N1) (GPS 47P 0734063, 1432127)  
Measurement Date Oct 27 - 28, 2023  
Measurement by Saknarin Jaraskay  
Sound Level Meter 00296518

### ระดับเสียง (dB(A))

เวลา	เสียงจาก แหล่งกำเนิด <sup>(A)</sup>	เสียงขณะ ไม่มีการรบกวน <sup>(B)</sup>	ผลต่าง ระดับเสียง <sup>(A-B)</sup>	ตัวปรับค่า <sup>(C)</sup>	ปรับค่าเสียงจากแหล่งกำเนิด <sup>(B)</sup>		เสียงพื้นฐาน <sup>(E)</sup>	ค่าระดับ การรบกวน <sup>(D-E)</sup>
					กลางวัน <sup>(A-C)</sup>	กลางคืน <sup>(A-C)+3</sup>		
11:00 AM - 12:00 PM	59.9	51.6	8.3	0.5	59.4	-	45.4	14.0
12:00 PM - 01:00 PM	58.0	51.7	6.3	1.5	56.5	-	46.1	10.4
01:00 PM - 02:00 PM	57.7	56.3	1.4	7.0	50.7	-	50.6	0.1
02:00 PM - 03:00 PM	60.1	55.7	4.4	2.0	58.1	-	50.5	7.6
03:00 PM - 04:00 PM	60.9	55.0	5.9	1.5	59.4	-	49.9	9.5
04:00 PM - 05:00 PM	59.9	51.8	8.1	0.5	59.4	-	48.1	11.3
05:00 PM - 06:00 PM	59.0	54.4	4.6	1.5	57.5	-	48.6	8.9
06:00 PM - 07:00 PM	54.0	51.2	2.8	3.0	51.0	-	47.6	3.4
07:00 PM - 08:00 PM	54.0	48.7	5.3	1.5	52.5	-	45.1	7.4
08:00 PM - 09:00 PM	54.1	48.2	5.9	1.5	52.6	-	44.2	8.4
09:00 PM - 10:00 PM	48.5	46.1	2.4	4.5	44.0	-	42.1	1.9
10:00 PM - 10:05 PM	47.5	46.0	1.5	4.5	-	46.0	41.7	4.3
10:05 PM - 10:10 PM	44.8	42.4	2.4	4.5	-	43.3	40.0	3.3
10:10 PM - 10:15 PM	47.4	43.6	3.8	2.0	-	48.4	40.0	8.4
10:15 PM - 10:20 PM	45.1	43.6	1.5	4.5	-	43.6	41.5	2.1
10:20 PM - 10:25 PM	49.3	41.8	7.5	0.5	-	51.8	40.3	11.5
10:25 PM - 10:30 PM	46.7	45.2	1.5	4.5	-	45.2	40.5	4.7
10:30 PM - 10:35 PM	47.3	43.7	3.6	2.0	-	48.3	41.5	6.8
10:35 PM - 10:40 PM	50.4	45.3	5.1	1.5	-	51.9	41.8	10.1
10:40 PM - 10:45 PM	48.0	44.7	3.3	3.0	-	48.0	41.4	6.6
10:45 PM - 10:50 PM	52.0	44.7	7.3	1.0	-	54.0	41.9	12.1
10:50 PM - 10:55 PM	41.4	45.0	-3.6	7.0	-	37.4	41.4	-4.0
10:55 PM - 11:00 PM	47.2	43.8	3.4	3.0	-	47.2	41.6	5.6
11:00 PM - 11:05 PM	46.5	44.8	1.7	4.5	-	45.0	41.6	3.4
11:05 PM - 11:10 PM	49.6	44.1	5.5	1.5	-	51.1	41.5	9.6
11:10 PM - 11:15 PM	44.7	43.7	1.0	7.0	-	40.7	40.7	0.0
11:15 PM - 11:20 PM	44.3	42.3	2.0	4.5	-	42.8	39.9	2.9
11:20 PM - 11:25 PM	46.3	41.4	4.9	1.5	-	47.8	38.6	9.2
11:25 PM - 11:30 PM	43.8	41.1	2.7	3.0	-	43.8	38.7	5.1
11:30 PM - 11:35 PM	44.7	42.2	2.5	3.0	-	44.7	38.5	6.2
11:35 PM - 11:40 PM	43.6	41.7	1.9	4.5	-	42.1	37.8	4.3
11:40 PM - 11:45 PM	46.0	39.9	6.1	1.5	-	47.5	38.0	9.5
11:45 PM - 11:50 PM	44.6	40.9	3.7	2.0	-	45.6	38.4	7.2
11:50 PM - 11:55 PM	41.5	40.2	1.3	7.0	-	37.5	38.7	-1.2
11:55 PM - 12:00 AM	42.9	41.4	1.5	4.5	-	41.4	39.1	2.3
12:00 AM - 12:05 AM	43.9	43.7	0.2	7.0	-	39.9	38.8	1.1
12:05 AM - 12:10 AM	46.0	41.4	4.6	1.5	-	47.5	39.0	8.5
12:10 AM - 12:15 AM	46.3	46.4	-0.1	7.0	-	42.3	39.8	2.5
12:15 AM - 12:20 AM	42.0	42.1	-0.1	7.0	-	38.0	39.4	-1.4
12:20 AM - 12:25 AM	41.2	40.5	0.7	7.0	-	37.2	37.7	-0.5

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Approved by

Wilawan Borirak  
Manager





## Analysis / Test Report

TESTING  
No.0042

Client : Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140

Lot ID: 23115912  
Date Received : Nov 03, 2023  
Date Reported : Nov 06, 2023  
Report Number : 2827126-1

P/O : RJN(2)-004/066  
Project Name : Pluak Daeng  
Project Location :

Page 2 of 3

Sample No. 23115912-1  
Parameter เสียงรบกวน  
Location บ้านวังตาลหมอน (N1) (GPS 47P 0734063, 1432127)  
Measurement Date Oct 27 - 28, 2023  
Measurement by Saknarin Jaraskay  
Sound Level Meter 00296518

ระดับเสียง (dB(A))								
เวลา	เสียงจาก แหล่งกำเนิด	เสียงขณะ ไม่มีการรบกวน	ผลต่าง ระดับเสียง	ตัวปรับค่า	ปรับค่าเสียงจากแหล่งกำเนิด		เสียงพื้นฐาน	ค่าระดับ การรบกวน
					กลางวัน (A-C)	กลางคืน (A-C)+3		
12:25 AM - 12:30 AM	45.6	41.2	4.4	2.0	-	46.6	37.9	8.7
12:30 AM - 12:35 AM	45.8	42.9	2.9	3.0	-	45.8	38.7	7.1
12:35 AM - 12:40 AM	42.4	41.7	0.7	7.0	-	38.4	38.0	0.4
12:40 AM - 12:45 AM	45.2	39.5	5.7	1.5	-	46.7	37.7	9.0
12:45 AM - 12:50 AM	43.1	40.0	3.1	3.0	-	43.1	38.1	5.0
12:50 AM - 12:55 AM	46.7	40.5	6.2	1.5	-	48.2	38.5	9.7
12:55 AM - 01:00 AM	42.9	41.5	1.4	7.0	-	38.9	39.0	-0.1
01:00 AM - 01:05 AM	42.9	41.1	1.8	4.5	-	41.4	39.0	2.4
01:05 AM - 01:10 AM	43.7	39.8	3.9	2.0	-	44.7	38.2	6.5
01:10 AM - 01:15 AM	41.3	39.5	1.8	4.5	-	39.8	37.9	1.9
01:15 AM - 01:20 AM	42.4	40.5	1.9	4.5	-	40.9	38.2	2.7
01:20 AM - 01:25 AM	41.5	39.7	1.8	4.5	-	40.0	38.2	1.8
01:25 AM - 01:30 AM	41.8	43.5	-1.7	7.0	-	37.8	38.5	-0.7
01:30 AM - 01:35 AM	41.5	40.2	1.3	7.0	-	37.5	38.0	-0.5
01:35 AM - 01:40 AM	42.9	45.6	-2.7	7.0	-	38.9	38.9	0.0
01:40 AM - 01:45 AM	41.7	39.3	2.4	4.5	-	40.2	37.8	2.4
01:45 AM - 01:50 AM	42.1	38.7	3.4	3.0	-	42.1	37.2	4.9
01:50 AM - 01:55 AM	42.8	38.7	4.1	2.0	-	43.8	37.0	6.8
01:55 AM - 02:00 AM	42.0	40.3	1.7	4.5	-	40.5	36.6	3.9
02:00 AM - 02:05 AM	41.2	38.0	3.2	3.0	-	41.2	36.4	4.8
02:05 AM - 02:10 AM	41.4	42.4	-1.0	7.0	-	37.4	36.4	1.0
02:10 AM - 02:15 AM	43.9	43.5	0.4	7.0	-	39.9	36.5	3.4
02:15 AM - 02:20 AM	43.1	39.7	3.4	3.0	-	43.1	36.8	6.3
02:20 AM - 02:25 AM	43.3	39.8	3.5	2.0	-	44.3	36.2	8.1
02:25 AM - 02:30 AM	44.8	40.0	4.8	1.5	-	46.3	36.0	10.3
02:30 AM - 02:35 AM	42.8	41.1	1.7	4.5	-	41.3	36.6	4.7
02:35 AM - 02:40 AM	42.7	42.5	0.2	7.0	-	38.7	37.3	1.4
02:40 AM - 02:45 AM	43.8	46.6	-2.8	7.0	-	39.8	36.8	3.0
02:45 AM - 02:50 AM	42.5	40.6	1.9	4.5	-	41.0	36.6	4.4
02:50 AM - 02:55 AM	47.0	42.8	4.2	2.0	-	48.0	36.1	11.9
02:55 AM - 03:00 AM	41.5	40.1	1.4	7.0	-	37.5	35.5	2.0
03:00 AM - 03:05 AM	51.4	38.5	12.9	0.0	-	54.4	35.4	19.0
03:05 AM - 03:10 AM	42.1	43.7	-1.6	7.0	-	38.1	37.7	0.4
03:10 AM - 03:15 AM	40.4	40.9	-0.5	7.0	-	36.4	36.8	-0.4
03:15 AM - 03:20 AM	41.1	39.5	1.6	4.5	-	39.6	35.6	4.0
03:20 AM - 03:25 AM	42.3	39.9	2.4	4.5	-	40.8	36.6	4.2
03:25 AM - 03:30 AM	43.3	43.7	-0.4	7.0	-	39.3	36.2	3.1
03:30 AM - 03:35 AM	38.6	38.5	0.1	7.0	-	34.6	34.8	-0.2
03:35 AM - 03:40 AM	39.1	39.4	-0.3	7.0	-	35.1	35.0	0.1
03:40 AM - 03:45 AM	38.9	39.6	-0.7	7.0	-	34.9	35.5	-0.6

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Approved by

Wilawan Borirak  
Manager



## Analysis / Test Report

TESTING  
No.0042

Client : Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140

Lot ID: 23115912  
Date Received : Nov 03, 2023  
Date Reported : Nov 06, 2023  
Report Number : 2827126-1

P/O : RJN(2)-004/066  
Project Name : Pluak Daeng  
Project Location :

Page 3 of 3

Sample No. 23115912-1  
Parameter เสียงรบกวน  
Location บ้านวังตาลหมอน (N1) (GPS 47P 0734063, 1432127)  
Measurement Date Oct 27 - 28, 2023  
Measurement by Saknarin Jaraskay  
Sound Level Meter 00296518

### ระดับเสียง (dB(A))

เวลา	เสียงจากแหล่งกำเนิด (A)	เสียงขณะไม่มีการรบกวน (B)	ผลต่างระดับเสียง (A-B)	ตัวปรับค่า (C)	ปรับค่าเสียงจากแหล่งกำเนิด (D)		เสียงพื้นฐาน (E)	ค่าระดับการรบกวน (D-E)
					กลางวัน (A-C)	กลางคืน (A-C)+3		
03:45 AM - 03:50 AM	38.0	45.4	-7.4	7.0	-	34.0	36.2	-2.2
03:50 AM - 03:55 AM	39.9	41.3	-1.4	7.0	-	35.9	37.6	-1.7
03:55 AM - 04:00 AM	39.1	42.1	-3.0	7.0	-	35.1	37.0	-1.9
04:00 AM - 04:05 AM	41.5	39.8	1.7	4.5	-	40.0	35.8	4.2
04:05 AM - 04:10 AM	42.4	42.3	0.1	7.0	-	38.4	36.4	2.0
04:10 AM - 04:15 AM	43.9	48.8	-4.9	7.0	-	39.9	38.4	1.5
04:15 AM - 04:20 AM	40.4	42.1	-1.7	7.0	-	36.4	37.5	-1.1
04:20 AM - 04:25 AM	43.0	45.8	-2.8	7.0	-	39.0	37.1	1.9
04:25 AM - 04:30 AM	47.6	47.0	0.6	7.0	-	43.6	37.9	5.7
04:30 AM - 04:35 AM	47.1	43.3	3.8	2.0	-	48.1	36.5	11.6
04:35 AM - 04:40 AM	50.8	46.3	4.5	1.5	-	52.3	38.1	14.2
04:40 AM - 04:45 AM	46.2	43.7	2.5	3.0	-	46.2	39.5	6.7
04:45 AM - 04:50 AM	46.5	44.3	2.2	4.5	-	45.0	39.5	5.5
04:50 AM - 04:55 AM	47.0	42.6	4.4	2.0	-	48.0	37.9	10.1
04:55 AM - 05:00 AM	50.1	44.2	5.9	1.5	-	51.6	38.3	13.3
05:00 AM - 05:05 AM	45.0	41.2	3.8	2.0	-	46.0	37.4	8.6
05:05 AM - 05:10 AM	45.5	41.0	4.5	1.5	-	47.0	36.1	10.9
05:10 AM - 05:15 AM	46.9	42.9	4.0	2.0	-	47.9	37.8	10.1
05:15 AM - 05:20 AM	47.0	49.0	-2.0	7.0	-	43.0	38.3	4.7
05:20 AM - 05:25 AM	46.3	47.7	-1.4	7.0	-	42.3	40.5	1.8
05:25 AM - 05:30 AM	52.8	48.1	4.7	1.5	-	54.3	42.0	12.3
05:30 AM - 05:35 AM	51.1	52.0	-0.9	7.0	-	47.1	43.6	3.5
05:35 AM - 05:40 AM	45.8	46.2	-0.4	7.0	-	41.8	42.8	-1.0
05:40 AM - 05:45 AM	50.0	45.5	4.5	1.5	-	51.5	41.9	9.6
05:45 AM - 05:50 AM	47.4	52.3	-4.9	7.0	-	43.4	44.8	-1.4
05:50 AM - 05:55 AM	55.0	48.2	6.8	1.0	-	57.0	44.2	12.8
05:55 AM - 06:00 AM	52.2	48.5	3.7	2.0	-	53.2	44.7	8.5
06:00 AM - 07:00 AM	55.7	52.4	3.3	3.0	52.7	-	47.2	5.5
07:00 AM - 08:00 AM	58.9	51.4	7.5	0.5	58.4	-	46.4	12.0
08:00 AM - 09:00 AM	57.5	50.8	6.7	1.0	56.5	-	43.8	12.7
09:00 AM - 10:00 AM	57.7	49.4	8.3	0.5	57.2	-	43.1	14.1
10:00 AM - 11:00 AM	58.5	48.8	9.7	0.5	58.0	-	44.0	14.0

ค่ามาตรฐาน

≤ 10

Reference Method :

- ISO 1996-1
- ประกาศกรมโรงงานอุตสาหกรรม เรื่อง วิธีการตรวจวัดระดับเสียงรบกวน ระดับเสียงเฉลี่ย 24 ชั่วโมง และระดับเสียงสูงสุดที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2553

มาตรฐาน

- ประกาศกระทรวงอุตสาหกรรม เรื่อง กำหนดค่าระดับเสียงการรบกวนและระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548
- ประกาศกระทรวงสาธารณสุข เรื่อง กำหนดค่ามาตรฐานมลพิษทางเสียงอันเกิดจากการประกอบกิจการที่เป็นอันตรายต่อสุขภาพ พ.ศ. 2561  
ระดับเสียงจากแหล่งกำเนิด ท่าอากาศยานสุวรรณภูมิ วันที่ 27-28 ตุลาคม 2566  
ระดับเสียงพื้นฐานและระดับเสียงขณะไม่มีการรบกวน (Sample No.23115913-1 วันที่ตรวจวัด 27-28 ตุลาคม 2566)

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Approved by

Wilawan Borirak  
Manager



## Analysis / Test Report

TESTING  
No.0042

Client : Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140

Lot ID: 23115912  
Date Received : Nov 03, 2023  
Date Reported : Nov 06, 2023  
Report Number : 2827127-1

P/O : RJN(2)-004/066  
Project Name : Pluak Daeng  
Project Location :

Page 1 of 3

Sample No. 23115912-2  
Parameter เสียงรบกวน  
Location บ้านวังตาลหมอน (N1) (GPS 47P 0734063, 1432127)  
Measurement Date Oct 28 - 29, 2023  
Measurement by Saknarin Jaraskay  
Sound Level Meter 00296518

### ระดับเสียง (dB(A))

เวลา	เสียงจาก แหล่งกำเนิด <sup>(A)</sup>	เสียงขณะ ไม่มีการรบกวน <sup>(B)</sup>	ผลต่าง ระดับเสียง <sup>(A-B)</sup>	ตัวปรับค่า <sup>(C)</sup>	ปรับค่าเสียงจากแหล่งกำเนิด <sup>(B)</sup>		เสียงพื้นฐาน <sup>(E)</sup>	ค่าระดับ การรบกวน <sup>(D-E)</sup>
					กลางวัน <sup>(A-C)</sup>	กลางคืน <sup>(A-C)+3</sup>		
11:00 AM - 12:00 PM	59.6	50.8	8.8	0.5	59.1	-	43.5	15.6
12:00 PM - 01:00 PM	58.0	48.4	9.6	0.5	57.5	-	42.8	14.7
01:00 PM - 02:00 PM	62.8	51.3	11.5	0.5	62.3	-	45.6	16.7
02:00 PM - 03:00 PM	59.4	51.9	7.5	0.5	58.9	-	47.3	11.6
03:00 PM - 04:00 PM	56.6	51.8	4.8	1.5	55.1	-	47.1	8.0
04:00 PM - 05:00 PM	61.2	53.1	8.1	0.5	60.7	-	50.6	10.1
05:00 PM - 06:00 PM	61.1	51.4	9.7	0.5	60.6	-	47.4	13.2
06:00 PM - 07:00 PM	61.2	50.1	11.1	0.5	60.7	-	46.3	14.4
07:00 PM - 08:00 PM	56.5	48.7	7.8	0.5	56.0	-	44.8	11.2
08:00 PM - 09:00 PM	56.3	48.6	7.7	0.5	55.8	-	44.5	11.3
09:00 PM - 10:00 PM	58.7	46.6	12.1	0.5	58.2	-	43.5	14.7
10:00 PM - 10:05 PM	50.6	46.0	4.6	1.5	-	52.1	42.5	9.6
10:05 PM - 10:10 PM	47.0	47.0	0.0	7.0	-	43.0	41.5	1.5
10:10 PM - 10:15 PM	55.0	43.9	11.1	0.5	-	57.5	41.9	15.6
10:15 PM - 10:20 PM	49.4	43.4	6.0	1.5	-	50.9	41.7	9.2
10:20 PM - 10:25 PM	49.4	47.0	2.4	4.5	-	47.9	41.9	6.0
10:25 PM - 10:30 PM	51.5	44.7	6.8	1.0	-	53.5	41.8	11.7
10:30 PM - 10:35 PM	50.1	45.6	4.5	1.5	-	51.6	42.3	9.3
10:35 PM - 10:40 PM	52.3	47.1	5.2	1.5	-	53.8	41.0	12.8
10:40 PM - 10:45 PM	48.0	43.6	4.4	2.0	-	49.0	40.8	8.2
10:45 PM - 10:50 PM	47.7	42.9	4.8	1.5	-	49.2	40.7	8.5
10:50 PM - 10:55 PM	46.3	43.8	2.5	3.0	-	46.3	41.4	4.9
10:55 PM - 11:00 PM	49.1	43.4	5.7	1.5	-	50.6	41.4	9.2
11:00 PM - 11:05 PM	50.1	43.2	6.9	1.0	-	52.1	41.2	10.9
11:05 PM - 11:10 PM	51.3	43.2	8.1	0.5	-	53.8	41.0	12.8
11:10 PM - 11:15 PM	49.9	43.6	6.3	1.5	-	51.4	41.2	10.2
11:15 PM - 11:20 PM	47.4	46.1	1.3	7.0	-	43.4	42.1	1.3
11:20 PM - 11:25 PM	47.0	46.4	0.6	7.0	-	43.0	41.9	1.1
11:25 PM - 11:30 PM	49.5	43.5	6.0	1.5	-	51.0	41.2	9.8
11:30 PM - 11:35 PM	49.3	43.9	5.4	1.5	-	50.8	41.1	9.7
11:35 PM - 11:40 PM	45.9	44.7	1.2	7.0	-	41.9	41.4	0.5
11:40 PM - 11:45 PM	49.4	44.3	5.1	1.5	-	50.9	41.8	9.1
11:45 PM - 11:50 PM	44.6	44.2	0.4	7.0	-	40.6	41.6	-1.0
11:50 PM - 11:55 PM	45.1	42.8	2.3	4.5	-	43.6	40.4	3.2
11:55 PM - 12:00 AM	45.3	44.3	1.0	7.0	-	41.3	39.7	1.6
12:00 AM - 12:05 AM	49.9	44.4	5.5	1.5	-	51.4	40.2	11.2
12:05 AM - 12:10 AM	44.2	42.1	2.1	4.5	-	42.7	39.8	2.9
12:10 AM - 12:15 AM	44.7	42.7	2.0	4.5	-	43.2	40.0	3.2
12:15 AM - 12:20 AM	45.3	42.1	3.2	3.0	-	45.3	39.7	5.6
12:20 AM - 12:25 AM	43.5	41.9	1.6	4.5	-	42.0	39.5	2.5

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Approved by

Wilawan Borirak  
Manager



## Analysis / Test Report

TESTING  
No.0042

Client : Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140

Lot ID: 23115912  
Date Received : Nov 03, 2023  
Date Reported : Nov 06, 2023  
Report Number : 2827127-1

P/O : RJN(2)-004/066  
Project Name : Pluak Daeng  
Project Location :

Page 2 of 3

Sample No. 23115912-2  
Parameter เสียงรบกวน  
Location บ้านวังตาลหมอน (N1) (GPS 47P 0734063, 1432127)  
Measurement Date Oct 28 - 29, 2023  
Measurement by Saknarin Jaraskay  
Sound Level Meter 00296518

### ระดับเสียง (dB(A))

เวลา	เสียงจาก แหล่งกำเนิด (A)	เสียงขณะ ไม่มีการรบกวน (B)	ผลต่าง ระดับเสียง (A-B)	ตัวปรับค่า ปรับ (C)	ปรับค่าเสียงจากแหล่งกำเนิด (D)		เสียงพื้นฐาน (E)	ค่าระดับ การรบกวน (D-E)
	กลางวัน (A-C)	กลางคืน (A-C)+3						
12:25 AM - 12:30 AM	46.8	42.3	4.5	1.5	-	48.3	39.2	9.1
12:30 AM - 12:35 AM	44.6	41.6	3.0	3.0	-	44.6	38.6	6.0
12:35 AM - 12:40 AM	44.9	41.5	3.4	3.0	-	44.9	38.9	6.0
12:40 AM - 12:45 AM	43.0	42.2	0.8	7.0	-	39.0	38.3	0.7
12:45 AM - 12:50 AM	47.1	39.9	7.2	1.0	-	49.1	38.1	11.0
12:50 AM - 12:55 AM	45.0	41.4	3.6	2.0	-	46.0	38.1	7.9
12:55 AM - 01:00 AM	47.0	44.7	2.3	4.5	-	45.5	38.4	7.1
01:00 AM - 01:05 AM	48.4	41.9	6.5	1.0	-	50.4	38.3	12.1
01:05 AM - 01:10 AM	44.6	42.1	2.5	3.0	-	44.6	39.2	5.4
01:10 AM - 01:15 AM	43.5	41.0	2.5	3.0	-	43.5	38.5	5.0
01:15 AM - 01:20 AM	44.7	41.6	3.1	3.0	-	44.7	38.7	6.0
01:20 AM - 01:25 AM	46.9	40.8	6.1	1.5	-	48.4	39.4	9.0
01:25 AM - 01:30 AM	43.1	44.3	-1.2	7.0	-	39.1	39.6	-0.5
01:30 AM - 01:35 AM	55.1	45.5	9.6	0.5	-	57.6	39.8	17.8
01:35 AM - 01:40 AM	45.3	44.2	1.1	7.0	-	41.3	40.1	1.2
01:40 AM - 01:45 AM	43.3	47.5	-4.2	7.0	-	39.3	41.3	-2.0
01:45 AM - 01:50 AM	46.3	51.4	-5.1	7.0	-	42.3	40.0	2.3
01:50 AM - 01:55 AM	45.3	44.1	1.2	7.0	-	41.3	40.0	1.3
01:55 AM - 02:00 AM	45.1	44.4	0.7	7.0	-	41.1	41.0	0.1
02:00 AM - 02:05 AM	47.1	43.5	3.6	2.0	-	48.1	39.5	8.6
02:05 AM - 02:10 AM	44.6	43.5	1.1	7.0	-	40.6	40.4	0.2
02:10 AM - 02:15 AM	42.3	43.8	-1.5	7.0	-	38.3	40.7	-2.4
02:15 AM - 02:20 AM	44.2	41.6	2.6	3.0	-	44.2	39.6	4.6
02:20 AM - 02:25 AM	42.3	41.1	1.2	7.0	-	38.3	38.9	-0.6
02:25 AM - 02:30 AM	41.4	41.1	0.3	7.0	-	37.4	37.3	0.1
02:30 AM - 02:35 AM	42.5	40.0	2.5	3.0	-	42.5	37.4	5.1
02:35 AM - 02:40 AM	42.5	43.6	-1.1	7.0	-	38.5	38.3	0.2
02:40 AM - 02:45 AM	45.7	39.7	6.0	1.5	-	47.2	37.7	9.5
02:45 AM - 02:50 AM	44.2	39.1	5.1	1.5	-	45.7	36.9	8.8
02:50 AM - 02:55 AM	47.3	41.7	5.6	1.5	-	48.8	37.2	11.6
02:55 AM - 03:00 AM	51.0	40.8	10.2	0.5	-	53.5	37.7	15.8
03:00 AM - 03:05 AM	44.4	44.7	-0.3	7.0	-	40.4	40.9	-0.5
03:05 AM - 03:10 AM	44.2	41.8	2.4	4.5	-	42.7	37.7	5.0
03:10 AM - 03:15 AM	43.8	40.6	3.2	3.0	-	43.8	37.8	6.0
03:15 AM - 03:20 AM	48.6	43.7	4.9	1.5	-	50.1	37.8	12.3
03:20 AM - 03:25 AM	43.5	48.0	-4.5	7.0	-	39.5	37.6	1.9
03:25 AM - 03:30 AM	42.1	39.1	3.0	3.0	-	42.1	37.7	4.4
03:30 AM - 03:35 AM	45.4	40.1	5.3	1.5	-	46.9	38.6	8.3
03:35 AM - 03:40 AM	44.3	41.1	3.2	3.0	-	44.3	39.3	5.0
03:40 AM - 03:45 AM	43.8	41.4	2.4	4.5	-	42.3	39.1	3.2

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Approved by

Wilawan Borirak  
Manager



## Analysis / Test Report

TESTING  
No.0042

Client : Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140

Lot ID: 23115912  
Date Received : Nov 03, 2023  
Date Reported : Nov 06, 2023  
Report Number : 2827127-1

P/O : RJN(2)-004/066  
Project Name : Pluak Daeng  
Project Location :

Page 3 of 3

Sample No. 23115912-2  
Parameter เสียงรบกวน  
Location บ้านวังตาลหมอน (N1) (GPS 47P 0734063, 1432127)  
Measurement Date Oct 28 - 29, 2023  
Measurement by Saknarin Jaraskay  
Sound Level Meter 00296518

### ระดับเสียง (dB(A))

เวลา	เสียงจากแหล่งกำเนิด (A)	เสียงขณะไม่มีการรบกวน (B)	ผลต่างระดับเสียง (A-B)	ตัวปรับค่า (C)	ปรับค่าเสียงจากแหล่งกำเนิด (D)		เสียงพื้นฐาน (E)	ค่าระดับการรบกวน (D-E)
					กลางวัน (A-C)	กลางคืน (A-C)+3		
03:45 AM - 03:50 AM	48.0	40.8	7.2	1.0	-	50.0	38.6	11.4
03:50 AM - 03:55 AM	46.6	40.1	6.5	1.0	-	48.6	38.8	9.8
03:55 AM - 04:00 AM	44.6	41.4	3.2	3.0	-	44.6	39.0	5.6
04:00 AM - 04:05 AM	50.7	46.7	4.0	2.0	-	51.7	39.3	12.4
04:05 AM - 04:10 AM	44.2	42.0	2.2	4.5	-	42.7	38.8	3.9
04:10 AM - 04:15 AM	42.9	41.8	1.1	7.0	-	38.9	39.1	-0.2
04:15 AM - 04:20 AM	44.5	41.5	3.0	3.0	-	44.5	38.9	5.6
04:20 AM - 04:25 AM	43.8	43.0	0.8	7.0	-	39.8	39.3	0.5
04:25 AM - 04:30 AM	47.0	47.3	-0.3	7.0	-	43.0	39.5	3.5
04:30 AM - 04:35 AM	44.8	43.1	1.7	4.5	-	43.3	39.3	4.0
04:35 AM - 04:40 AM	49.6	47.1	2.5	3.0	-	49.6	40.0	9.6
04:40 AM - 04:45 AM	49.7	46.3	3.4	3.0	-	49.7	40.4	9.3
04:45 AM - 04:50 AM	42.1	49.7	-7.6	7.0	-	38.1	40.9	-2.8
04:50 AM - 04:55 AM	46.0	45.7	0.3	7.0	-	42.0	41.6	0.4
04:55 AM - 05:00 AM	57.3	46.8	10.5	0.5	-	59.8	39.9	19.9
05:00 AM - 05:05 AM	49.8	44.2	5.6	1.5	-	51.3	39.8	11.5
05:05 AM - 05:10 AM	51.2	48.0	3.2	3.0	-	51.2	41.8	9.4
05:10 AM - 05:15 AM	50.3	43.9	6.4	1.5	-	51.8	39.4	12.4
05:15 AM - 05:20 AM	50.5	50.5	0.0	7.0	-	46.5	39.5	7.0
05:20 AM - 05:25 AM	56.9	45.8	11.1	0.5	-	59.4	41.6	17.8
05:25 AM - 05:30 AM	54.9	49.7	5.2	1.5	-	56.4	44.1	12.3
05:30 AM - 05:35 AM	54.4	48.8	5.6	1.5	-	55.9	44.7	11.2
05:35 AM - 05:40 AM	52.2	52.6	-0.4	7.0	-	48.2	46.1	2.1
05:40 AM - 05:45 AM	56.9	51.5	5.4	1.5	-	58.4	47.9	10.5
05:45 AM - 05:50 AM	56.2	52.4	3.8	2.0	-	57.2	48.0	9.2
05:50 AM - 05:55 AM	60.4	50.7	9.7	0.5	-	62.9	46.4	16.5
05:55 AM - 06:00 AM	54.2	52.5	1.7	4.5	-	52.7	50.2	2.5
06:00 AM - 07:00 AM	62.2	52.4	9.8	0.5	61.7	-	49.1	12.6
07:00 AM - 08:00 AM	62.2	55.4	6.8	1.0	61.2	-	50.6	10.6
08:00 AM - 09:00 AM	61.2	52.6	8.6	0.5	60.7	-	48.5	12.2
09:00 AM - 10:00 AM	60.4	52.0	8.4	0.5	59.9	-	45.4	14.5
10:00 AM - 11:00 AM	61.7	50.8	10.9	0.5	61.2	-	43.0	18.2

ค่ามาตรฐาน

≤ 10

Reference Method :

- ISO 1996-1
- ประกาศกรมโรงงานอุตสาหกรรม เรื่อง วิธีการตรวจวัดระดับเสียงรบกวน ระดับเสียงเฉลี่ย 24 ชั่วโมง และระดับเสียงสูงสุดที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2553

มาตรฐาน

- ประกาศกระทรวงอุตสาหกรรม เรื่อง กำหนดค่าระดับเสียงการรบกวนและระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548
- ประกาศกระทรวงสาธารณสุข เรื่อง กำหนดค่ามาตรฐานมลพิษทางเสียงอันเกิดจากการประกอบกิจการที่เป็นอันตรายต่อสุขภาพ พ.ศ. 2561  
ระดับเสียงจากแหล่งกำเนิด ท่าอากาศยานสุวรรณภูมิ วันที่ 28-29 ตุลาคม 2566  
ระดับเสียงพื้นฐานและระดับเสียงขณะไม่มีการรบกวน (Sample No.23115913-2 วันที่ตรวจวัด 28-29 ตุลาคม 2566)

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Approved by

Wilawan Borirak  
Manager



## Analysis / Test Report

TESTING  
No.0042

Client : Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140

Lot ID: 23115912  
Date Received : Nov 03, 2023  
Date Reported : Nov 06, 2023  
Report Number : 2827128-1

P/O : RJN(2)-004/066  
Project Name : Pluak Daeng  
Project Location :

Page 1 of 3

Sample No. 23115912-3  
Parameter เสียงรบกวน  
Location บ้านวังตาลหมอน (N1) (GPS 47P 0734063, 1432127)  
Measurement Date Oct 29 - 30, 2023  
Measurement by Saknarin Jaraskay  
Sound Level Meter 00296518

### ระดับเสียง (dB(A))

เวลา	เสียงจาก แหล่งกำเนิด <sup>(A)</sup>	เสียงขณะ ไม่มีการรบกวน <sup>(B)</sup>	ผลต่าง ระดับเสียง <sup>(A-B)</sup>	ตัวปรับค่า <sup>(C)</sup>	ปรับค่าเสียงจากแหล่งกำเนิด <sup>(B)</sup>		เสียงพื้นฐาน <sup>(E)</sup>	ค่าระดับ การรบกวน <sup>(D-E)</sup>
					กลางวัน <sup>(A-C)</sup>	กลางคืน <sup>(A-C)+3</sup>		
11:00 AM - 12:00 PM	63.4	49.6	13.8	0.0	63.4	-	43.4	20.0
12:00 PM - 01:00 PM	61.5	61.8	-0.3	7.0	54.5	-	58.4	-3.9
01:00 PM - 02:00 PM	61.2	60.4	0.8	7.0	54.2	-	56.3	-2.1
02:00 PM - 03:00 PM	63.6	52.3	11.3	0.5	63.1	-	47.1	16.0
03:00 PM - 04:00 PM	64.4	52.1	12.3	0.5	63.9	-	47.1	16.8
04:00 PM - 05:00 PM	63.4	53.4	10.0	0.5	62.9	-	50.5	12.4
05:00 PM - 06:00 PM	62.5	61.1	1.4	7.0	55.5	-	54.0	1.5
06:00 PM - 07:00 PM	57.5	52.2	5.3	1.5	56.0	-	50.3	5.7
07:00 PM - 08:00 PM	57.5	52.3	5.2	1.5	56.0	-	50.2	5.8
08:00 PM - 09:00 PM	57.6	50.0	7.6	0.5	57.1	-	47.5	9.6
09:00 PM - 10:00 PM	52.0	47.0	5.0	1.5	50.5	-	43.8	6.7
10:00 PM - 10:05 PM	51.0	45.2	5.8	1.5	-	52.5	42.8	9.7
10:05 PM - 10:10 PM	48.3	45.8	2.5	3.0	-	48.3	43.6	4.7
10:10 PM - 10:15 PM	50.9	45.8	5.1	1.5	-	52.4	43.6	8.8
10:15 PM - 10:20 PM	48.6	46.6	2.0	4.5	-	47.1	44.0	3.1
10:20 PM - 10:25 PM	52.8	46.9	5.9	1.5	-	54.3	44.0	10.3
10:25 PM - 10:30 PM	50.2	46.0	4.2	2.0	-	51.2	43.5	7.7
10:30 PM - 10:35 PM	50.8	47.4	3.4	3.0	-	50.8	43.2	7.6
10:35 PM - 10:40 PM	53.9	46.9	7.0	1.0	-	55.9	42.2	13.7
10:40 PM - 10:45 PM	51.5	46.1	5.4	1.5	-	53.0	42.5	10.5
10:45 PM - 10:50 PM	55.5	46.9	8.6	0.5	-	58.0	43.3	14.7
10:50 PM - 10:55 PM	44.9	45.5	-0.6	7.0	-	40.9	42.9	-2.0
10:55 PM - 11:00 PM	50.7	45.2	5.5	1.5	-	52.2	43.2	9.0
11:00 PM - 11:05 PM	50.0	44.4	5.6	1.5	-	51.5	42.7	8.8
11:05 PM - 11:10 PM	53.1	44.2	8.9	0.5	-	55.6	42.1	13.5
11:10 PM - 11:15 PM	48.2	44.0	4.2	2.0	-	49.2	42.3	6.9
11:15 PM - 11:20 PM	47.8	44.3	3.5	2.0	-	48.8	42.4	6.4
11:20 PM - 11:25 PM	49.8	44.8	5.0	1.5	-	51.3	40.8	10.5
11:25 PM - 11:30 PM	47.3	42.9	4.4	2.0	-	48.3	40.4	7.9
11:30 PM - 11:35 PM	48.2	44.7	3.5	2.0	-	49.2	41.5	7.7
11:35 PM - 11:40 PM	47.1	44.0	3.1	3.0	-	47.1	41.5	5.6
11:40 PM - 11:45 PM	49.5	43.9	5.6	1.5	-	51.0	41.2	9.8
11:45 PM - 11:50 PM	48.1	44.0	4.1	2.0	-	49.1	41.5	7.6
11:50 PM - 11:55 PM	45.0	44.2	0.8	7.0	-	41.0	41.4	-0.4
11:55 PM - 12:00 AM	46.4	43.6	2.8	3.0	-	46.4	41.4	5.0
12:00 AM - 12:05 AM	47.4	42.7	4.7	1.5	-	48.9	41.2	7.7
12:05 AM - 12:10 AM	49.5	43.2	6.3	1.5	-	51.0	41.5	9.5
12:10 AM - 12:15 AM	49.8	44.7	5.1	1.5	-	51.3	40.6	10.7
12:15 AM - 12:20 AM	45.5	42.3	3.2	3.0	-	45.5	39.6	5.9
12:20 AM - 12:25 AM	44.7	42.3	2.4	4.5	-	43.2	39.6	3.6

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Approved by

Wilawan Borirak  
Manager





## Analysis / Test Report

TESTING  
No.0042

Client : Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140

Lot ID: 23115912  
Date Received : Nov 03, 2023  
Date Reported : Nov 06, 2023  
Report Number : 2827128-1

P/O : RJN(2)-004/066  
Project Name : Pluak Daeng  
Project Location :

Page 2 of 3

Sample No. 23115912-3  
Parameter เสียงรบกวน  
Location บ้านวังตาลหมอน (N1) (GPS 47P 0734063, 1432127)  
Measurement Date Oct 29 - 30, 2023  
Measurement by Saknarin Jaraskay  
Sound Level Meter 00296518

ระดับเสียง (dB(A))								
เวลา	เสียงจาก แหล่งกำเนิด	เสียงขณะ ไม่มีการรบกวน	ผลต่าง ระดับเสียง	ตัวปรับค่า	ปรับค่าเสียงจากแหล่งกำเนิด		เสียงพื้นฐาน	ค่าระดับ การรบกวน
					กลางวัน (A-C)	กลางคืน (A-C)+3		
12:25 AM - 12:30 AM	49.1	43.6	5.5	1.5	-	50.6	39.9	10.7
12:30 AM - 12:35 AM	49.3	42.4	6.9	1.0	-	51.3	39.4	11.9
12:35 AM - 12:40 AM	45.9	42.9	3.0	3.0	-	45.9	40.5	5.4
12:40 AM - 12:45 AM	48.7	43.5	5.2	1.5	-	50.2	40.9	9.3
12:45 AM - 12:50 AM	46.6	45.0	1.6	4.5	-	45.1	40.5	4.6
12:50 AM - 12:55 AM	50.2	43.5	6.7	1.0	-	52.2	41.0	11.2
12:55 AM - 01:00 AM	46.4	44.5	1.9	4.5	-	44.9	41.4	3.5
01:00 AM - 01:05 AM	46.4	49.3	-2.9	7.0	-	42.4	41.8	0.6
01:05 AM - 01:10 AM	47.2	42.4	4.8	1.5	-	48.7	39.9	8.8
01:10 AM - 01:15 AM	44.8	42.9	1.9	4.5	-	43.3	40.3	3.0
01:15 AM - 01:20 AM	45.9	45.3	0.6	7.0	-	41.9	40.7	1.2
01:20 AM - 01:25 AM	45.0	42.8	2.2	4.5	-	43.5	41.4	2.1
01:25 AM - 01:30 AM	45.3	42.9	2.4	4.5	-	43.8	40.2	3.6
01:30 AM - 01:35 AM	45.0	42.2	2.8	3.0	-	45.0	39.8	5.2
01:35 AM - 01:40 AM	46.4	42.4	4.0	2.0	-	47.4	39.1	8.3
01:40 AM - 01:45 AM	45.2	41.5	3.7	2.0	-	46.2	38.5	7.7
01:45 AM - 01:50 AM	45.6	44.6	1.0	7.0	-	41.6	39.1	2.5
01:50 AM - 01:55 AM	46.3	41.2	5.1	1.5	-	47.8	38.4	9.4
01:55 AM - 02:00 AM	45.5	40.9	4.6	1.5	-	47.0	39.1	7.9
02:00 AM - 02:05 AM	44.7	40.9	3.8	2.0	-	45.7	38.7	7.0
02:05 AM - 02:10 AM	44.9	40.6	4.3	2.0	-	45.9	38.9	7.0
02:10 AM - 02:15 AM	47.4	40.3	7.1	1.0	-	49.4	38.4	11.0
02:15 AM - 02:20 AM	46.6	44.4	2.2	4.5	-	45.1	37.8	7.3
02:20 AM - 02:25 AM	46.8	49.6	-2.8	7.0	-	42.8	37.9	4.9
02:25 AM - 02:30 AM	48.3	38.5	9.8	0.5	-	50.8	37.2	13.6
02:30 AM - 02:35 AM	46.3	38.6	7.7	0.5	-	48.8	37.5	11.3
02:35 AM - 02:40 AM	46.2	38.7	7.5	0.5	-	48.7	36.9	11.8
02:40 AM - 02:45 AM	47.3	38.8	8.5	0.5	-	49.8	36.8	13.0
02:45 AM - 02:50 AM	46.0	39.3	6.7	1.0	-	48.0	37.7	10.3
02:50 AM - 02:55 AM	50.5	39.3	11.2	0.5	-	53.0	37.7	15.3
02:55 AM - 03:00 AM	45.0	39.8	5.2	1.5	-	46.5	37.2	9.3
03:00 AM - 03:05 AM	54.9	38.2	16.7	0.0	-	57.9	37.1	20.8
03:05 AM - 03:10 AM	45.6	39.3	6.3	1.5	-	47.1	37.0	10.1
03:10 AM - 03:15 AM	43.9	39.2	4.7	1.5	-	45.4	36.3	9.1
03:15 AM - 03:20 AM	44.6	42.5	2.1	4.5	-	43.1	37.6	5.5
03:20 AM - 03:25 AM	45.8	45.8	0.0	7.0	-	41.8	38.3	3.5
03:25 AM - 03:30 AM	46.8	38.1	8.7	0.5	-	49.3	36.8	12.5
03:30 AM - 03:35 AM	42.1	40.4	1.7	4.5	-	40.6	37.2	3.4
03:35 AM - 03:40 AM	42.6	47.0	-4.4	7.0	-	38.6	36.9	1.7
03:40 AM - 03:45 AM	42.4	40.0	2.4	4.5	-	40.9	37.4	3.5

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Approved by

Wilawan Borirak  
Manager





## Analysis / Test Report

TESTING  
No.0042

Client : Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140

Lot ID: 23115912  
Date Received : Nov 03, 2023  
Date Reported : Nov 06, 2023  
Report Number : 2827128-1

P/O : RJN(2)-004/066  
Project Name : Pluak Daeng  
Project Location :

Page 3 of 3

Sample No. 23115912-3  
Parameter เสียงรบกวน  
Location บ้านวังตาลหมอน (N1) (GPS 47P 0734063, 1432127)  
Measurement Date Oct 29 - 30, 2023  
Measurement by Saknarin Jaraskay  
Sound Level Meter 00296518

### ระดับเสียง (dB(A))

เวลา	เสียงจากแหล่งกำเนิด (A)	เสียงขณะไม่มีการรบกวน (B)	ผลต่างระดับเสียง (A-B)	ตัวปรับค่า (C)	ปรับค่าเสียงจากแหล่งกำเนิด (D)		เสียงพื้นฐาน (E)	ค่าระดับการรบกวน (D-E)
					กลางวัน (A-C)	กลางคืน (A-C)+3		
03:45 AM - 03:50 AM	41.5	39.5	2.0	4.5	-	40.0	37.2	2.8
03:50 AM - 03:55 AM	43.4	42.4	1.0	7.0	-	39.4	38.0	1.4
03:55 AM - 04:00 AM	42.6	40.5	2.1	4.5	-	41.1	37.1	4.0
04:00 AM - 04:05 AM	45.0	40.8	4.2	2.0	-	46.0	36.9	9.1
04:05 AM - 04:10 AM	45.9	39.8	6.1	1.5	-	47.4	37.0	10.4
04:10 AM - 04:15 AM	47.4	41.4	6.0	1.5	-	48.9	37.9	11.0
04:15 AM - 04:20 AM	43.9	40.7	3.2	3.0	-	43.9	37.7	6.2
04:20 AM - 04:25 AM	46.5	40.9	5.6	1.5	-	48.0	38.5	9.5
04:25 AM - 04:30 AM	51.1	44.1	7.0	1.0	-	53.1	36.7	16.4
04:30 AM - 04:35 AM	50.6	42.0	8.6	0.5	-	53.1	37.6	15.5
04:35 AM - 04:40 AM	54.3	43.6	10.7	0.5	-	56.8	39.8	17.0
04:40 AM - 04:45 AM	49.7	42.9	6.8	1.0	-	51.7	40.3	11.4
04:45 AM - 04:50 AM	50.0	47.3	2.7	3.0	-	50.0	42.0	8.0
04:50 AM - 04:55 AM	50.5	43.4	7.1	1.0	-	52.5	39.0	13.5
04:55 AM - 05:00 AM	53.6	45.6	8.0	0.5	-	56.1	40.6	15.5
05:00 AM - 05:05 AM	48.5	43.5	5.0	1.5	-	50.0	40.4	9.6
05:05 AM - 05:10 AM	49.0	45.1	3.9	2.0	-	50.0	40.7	9.3
05:10 AM - 05:15 AM	50.4	45.6	4.8	1.5	-	51.9	41.0	10.9
05:15 AM - 05:20 AM	50.5	56.7	-6.2	7.0	-	46.5	41.8	4.7
05:20 AM - 05:25 AM	49.8	47.0	2.8	3.0	-	49.8	42.8	7.0
05:25 AM - 05:30 AM	56.3	45.8	10.5	0.5	-	58.8	41.5	17.3
05:30 AM - 05:35 AM	54.6	47.5	7.1	1.0	-	56.6	42.8	13.8
05:35 AM - 05:40 AM	49.3	47.6	1.7	4.5	-	47.8	43.5	4.3
05:40 AM - 05:45 AM	53.5	46.4	7.1	1.0	-	55.5	43.8	11.7
05:45 AM - 05:50 AM	50.9	55.0	-4.1	7.0	-	46.9	45.9	1.0
05:50 AM - 05:55 AM	58.5	50.1	8.4	0.5	-	61.0	45.7	15.3
05:55 AM - 06:00 AM	55.7	47.7	8.0	0.5	-	58.2	44.2	14.0
06:00 AM - 07:00 AM	59.2	51.5	7.7	0.5	58.7	-	48.5	10.2
07:00 AM - 08:00 AM	62.4	53.5	8.9	0.5	61.9	-	49.5	12.4
08:00 AM - 09:00 AM	61.0	51.6	9.4	0.5	60.5	-	46.2	14.3
09:00 AM - 10:00 AM	61.2	52.7	8.5	0.5	60.7	-	44.8	15.9
10:00 AM - 11:00 AM	62.0	54.1	7.9	0.5	61.5	-	45.6	15.9
ค่ามาตรฐาน	≤ 10							

Reference Method :

- ISO 1996-1
- ประกาศกรมโรงงานอุตสาหกรรม เรื่อง วิธีการตรวจวัดระดับเสียงรบกวน ระดับเสียงเฉลี่ย 24 ชั่วโมง และระดับเสียงสูงสุดที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2553

มาตรฐาน

- ประกาศกระทรวงอุตสาหกรรม เรื่อง กำหนดค่าระดับเสียงการรบกวนและระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548
- ประกาศกระทรวงสาธารณสุข เรื่อง กำหนดค่ามาตรฐานมลพิษทางเสียงอันเกิดจากการประกอบกิจการที่เป็นอันตรายต่อสุขภาพ พ.ศ. 2561  
ระดับเสียงจากแหล่งกำเนิด ท่าอากาศยานสุวรรณภูมิ วันที่ 29-30 ตุลาคม 2566  
ระดับเสียงพื้นฐานและระดับเสียงขณะไม่มีการรบกวน (Sample No.23115913-3 วันที่ตรวจวัด 29-30 ตุลาคม 2566)

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Approved by

Wilawan Borirak  
Manager



## Analysis / Test Report

TESTING  
No.0042

Client : Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140

Lot ID: 23115912  
Date Received : Nov 03, 2023  
Date Reported : Nov 06, 2023  
Report Number : 2827129-1

P/O : RJN(2)-004/066  
Project Name : Pluak Daeng  
Project Location :

Page 1 of 3

Sample No. 23115912-4  
Parameter เสียงรบกวน  
Location บ้านวังตาลหมอน (N1) (GPS 47P 0734063, 1432127)  
Measurement Date Oct 30 - 31, 2023  
Measurement by Saknarin Jaraskay  
Sound Level Meter 00296518

### ระดับเสียง (dB(A))

เวลา	เสียงจาก แหล่งกำเนิด <sup>(A)</sup>	เสียงขณะ ไม่มีการรบกวน <sup>(B)</sup>	ผลต่าง ระดับเสียง <sup>(A-B)</sup>	ตัวปรับค่า <sup>(C)</sup>	ปรับค่าเสียงจากแหล่งกำเนิด <sup>(B)</sup>		เสียงพื้นฐาน <sup>(E)</sup>	ค่าระดับ การรบกวน <sup>(D-E)</sup>
					กลางวัน <sup>(A-C)</sup>	กลางคืน <sup>(A-C)+3</sup>		
11:00 AM - 12:00 PM	63.1	53.6	9.5	0.5	62.6	-	46.5	16.1
12:00 PM - 01:00 PM	61.5	53.9	7.6	0.5	61.0	-	46.0	15.0
01:00 PM - 02:00 PM	66.3	58.6	7.7	0.5	65.8	-	46.4	19.4
02:00 PM - 03:00 PM	61.0	60.3	0.7	7.0	54.0	-	54.6	-0.6
03:00 PM - 04:00 PM	60.1	55.9	4.2	2.0	58.1	-	49.6	8.5
04:00 PM - 05:00 PM	63.6	60.0	3.6	2.0	61.6	-	50.2	11.4
05:00 PM - 06:00 PM	64.6	59.0	5.6	1.5	63.1	-	52.5	10.6
06:00 PM - 07:00 PM	62.1	56.6	5.5	1.5	60.6	-	52.4	8.2
07:00 PM - 08:00 PM	60.0	54.7	5.3	1.5	58.5	-	51.4	7.1
08:00 PM - 09:00 PM	59.8	55.8	4.0	2.0	57.8	-	51.6	6.2
09:00 PM - 10:00 PM	62.2	50.2	12.0	0.5	61.7	-	44.6	17.1
10:00 PM - 10:05 PM	54.1	53.2	0.9	7.0	-	50.1	46.1	4.0
10:05 PM - 10:10 PM	50.5	51.2	-0.7	7.0	-	46.5	43.8	2.7
10:10 PM - 10:15 PM	58.5	50.9	7.6	0.5	-	61.0	44.0	17.0
10:15 PM - 10:20 PM	52.9	50.6	2.3	4.5	-	51.4	44.2	7.2
10:20 PM - 10:25 PM	52.9	49.3	3.6	2.0	-	53.9	43.2	10.7
10:25 PM - 10:30 PM	55.0	45.4	9.6	0.5	-	57.5	42.2	15.3
10:30 PM - 10:35 PM	53.6	45.0	8.6	0.5	-	56.1	42.6	13.5
10:35 PM - 10:40 PM	55.8	48.4	7.4	1.0	-	57.8	43.4	14.4
10:40 PM - 10:45 PM	51.5	47.4	4.1	2.0	-	52.5	42.8	9.7
10:45 PM - 10:50 PM	51.2	46.2	5.0	1.5	-	52.7	42.5	10.2
10:50 PM - 10:55 PM	49.8	46.8	3.0	3.0	-	49.8	42.7	7.1
10:55 PM - 11:00 PM	52.6	47.5	5.1	1.5	-	54.1	43.7	10.4
11:00 PM - 11:05 PM	53.6	47.4	6.2	1.5	-	55.1	43.5	11.6
11:05 PM - 11:10 PM	54.8	49.3	5.5	1.5	-	56.3	44.0	12.3
11:10 PM - 11:15 PM	53.4	47.3	6.1	1.5	-	54.9	44.0	10.9
11:15 PM - 11:20 PM	50.9	47.6	3.3	3.0	-	50.9	43.5	7.4
11:20 PM - 11:25 PM	50.5	47.6	2.9	3.0	-	50.5	42.3	8.2
11:25 PM - 11:30 PM	53.0	49.4	3.6	2.0	-	54.0	44.6	9.4
11:30 PM - 11:35 PM	51.7	52.4	-0.7	7.0	-	47.7	43.2	4.5
11:35 PM - 11:40 PM	48.3	46.7	1.6	4.5	-	46.8	42.7	4.1
11:40 PM - 11:45 PM	51.8	47.9	3.9	2.0	-	52.8	42.4	10.4
11:45 PM - 11:50 PM	47.0	47.7	-0.7	7.0	-	43.0	43.0	0.0
11:50 PM - 11:55 PM	47.5	48.1	-0.6	7.0	-	43.5	43.0	0.5
11:55 PM - 12:00 AM	47.7	48.2	-0.5	7.0	-	43.7	43.0	0.7
12:00 AM - 12:05 AM	52.3	47.8	4.5	1.5	-	53.8	42.5	11.3
12:05 AM - 12:10 AM	46.6	48.7	-2.1	7.0	-	42.6	44.6	-2.0
12:10 AM - 12:15 AM	47.1	47.5	-0.4	7.0	-	43.1	42.6	0.5
12:15 AM - 12:20 AM	47.7	47.5	0.2	7.0	-	43.7	43.1	0.6
12:20 AM - 12:25 AM	45.9	47.7	-1.8	7.0	-	41.9	42.7	-0.8

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Approved by

Wilawan Borirak  
Manager



## Analysis / Test Report

TESTING  
No.0042

Client : Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140

Lot ID: 23115912  
Date Received : Nov 03, 2023  
Date Reported : Nov 06, 2023  
Report Number : 2827129-1

P/O : RJN(2)-004/066  
Project Name : Pluak Daeng  
Project Location :

Page 2 of 3

Sample No. 23115912-4  
Parameter เสียงรบกวน  
Location บ้านวังตาลหมอน (N1) (GPS 47P 0734063, 1432127)  
Measurement Date Oct 30 - 31, 2023  
Measurement by Saknarin Jaraskay  
Sound Level Meter 00296518

### ระดับเสียง (dB(A))

เวลา	เสียงจาก แหล่งกำเนิด (A)	เสียงขณะ ไม่มีการรบกวน (B)	ผลต่าง ระดับเสียง (A-B)	ตัวปรับค่า (C)	ปรับค่าเสียงจากแหล่งกำเนิด (D)		เสียงพื้นฐาน (E)	ค่าระดับ การรบกวน (D-E)
	กลางวัน (A-C)	กลางคืน (A-C)+3						
12:25 AM - 12:30 AM	49.2	46.9	2.3	4.5	-	47.7	42.3	5.4
12:30 AM - 12:35 AM	47.0	46.9	0.1	7.0	-	43.0	42.4	0.6
12:35 AM - 12:40 AM	47.3	46.9	0.4	7.0	-	43.3	42.4	0.9
12:40 AM - 12:45 AM	45.4	47.2	-1.8	7.0	-	41.4	42.3	-0.9
12:45 AM - 12:50 AM	49.5	47.3	2.2	4.5	-	48.0	43.0	5.0
12:50 AM - 12:55 AM	47.4	46.8	0.6	7.0	-	43.4	42.4	1.0
12:55 AM - 01:00 AM	49.4	45.8	3.6	2.0	-	50.4	42.2	8.2
01:00 AM - 01:05 AM	50.8	46.5	4.3	2.0	-	51.8	42.3	9.5
01:05 AM - 01:10 AM	47.0	45.6	1.4	7.0	-	43.0	42.5	0.5
01:10 AM - 01:15 AM	45.9	45.2	0.7	7.0	-	41.9	42.2	-0.3
01:15 AM - 01:20 AM	47.1	45.5	1.6	4.5	-	45.6	41.7	3.9
01:20 AM - 01:25 AM	49.3	46.5	2.8	3.0	-	49.3	42.2	7.1
01:25 AM - 01:30 AM	45.5	54.0	-8.5	7.0	-	41.5	41.9	-0.4
01:30 AM - 01:35 AM	57.5	45.4	12.1	0.5	-	60.0	41.9	18.1
01:35 AM - 01:40 AM	47.7	44.1	3.6	2.0	-	48.7	41.3	7.4
01:40 AM - 01:45 AM	45.7	43.7	2.0	4.5	-	44.2	41.2	3.0
01:45 AM - 01:50 AM	48.7	43.7	5.0	1.5	-	50.2	41.2	9.0
01:50 AM - 01:55 AM	47.7	43.1	4.6	1.5	-	49.2	41.2	8.0
01:55 AM - 02:00 AM	47.5	45.4	2.1	4.5	-	46.0	41.2	4.8
02:00 AM - 02:05 AM	49.5	44.3	5.2	1.5	-	51.0	40.9	10.1
02:05 AM - 02:10 AM	47.0	45.7	1.3	7.0	-	43.0	40.9	2.1
02:10 AM - 02:15 AM	44.7	43.3	1.4	7.0	-	40.7	40.5	0.2
02:15 AM - 02:20 AM	46.6	43.1	3.5	2.0	-	47.6	40.5	7.1
02:20 AM - 02:25 AM	44.7	44.2	0.5	7.0	-	40.7	40.8	-0.1
02:25 AM - 02:30 AM	43.8	45.7	-1.9	7.0	-	39.8	41.2	-1.4
02:30 AM - 02:35 AM	44.9	44.1	0.8	7.0	-	40.9	41.0	-0.1
02:35 AM - 02:40 AM	44.9	43.8	1.1	7.0	-	40.9	41.3	-0.4
02:40 AM - 02:45 AM	48.1	45.2	2.9	3.0	-	48.1	41.0	7.1
02:45 AM - 02:50 AM	46.6	44.2	2.4	4.5	-	45.1	40.7	4.4
02:50 AM - 02:55 AM	49.7	48.3	1.4	7.0	-	45.7	41.1	4.6
02:55 AM - 03:00 AM	53.4	49.0	4.4	2.0	-	54.4	41.3	13.1
03:00 AM - 03:05 AM	46.8	47.1	-0.3	7.0	-	42.8	40.8	2.0
03:05 AM - 03:10 AM	46.6	45.7	0.9	7.0	-	42.6	40.5	2.1
03:10 AM - 03:15 AM	46.2	44.5	1.7	4.5	-	44.7	39.6	5.1
03:15 AM - 03:20 AM	51.0	47.8	3.2	3.0	-	51.0	40.2	10.8
03:20 AM - 03:25 AM	45.9	45.0	0.9	7.0	-	41.9	39.9	2.0
03:25 AM - 03:30 AM	44.5	43.9	0.6	7.0	-	40.5	38.9	1.6
03:30 AM - 03:35 AM	47.8	44.3	3.5	2.0	-	48.8	38.7	10.1
03:35 AM - 03:40 AM	46.7	44.2	2.5	3.0	-	46.7	38.9	7.8
03:40 AM - 03:45 AM	46.2	44.5	1.7	4.5	-	44.7	38.8	5.9

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

Approved by

Wilawan Borirak  
Manager



## Analysis / Test Report

TESTING  
No.0042

Client : Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140

Lot ID: 23115912  
Date Received : Nov 03, 2023  
Date Reported : Nov 06, 2023  
Report Number : 2827129-1

P/O : RJN(2)-004/066  
Project Name : Pluak Daeng  
Project Location :

Page 3 of 3

Sample No. 23115912-4  
Parameter เสียงรบกวน  
Location บ้านวังตาลหมอน (N1) (GPS 47P 0734063, 1432127)  
Measurement Date Oct 30 - 31, 2023  
Measurement by Saknarin Jaraskay  
Sound Level Meter 00296518

### ระดับเสียง (dB(A))

เวลา	(A) เสียงจากแหล่งกำเนิด	(B) เสียงขณะไม่มีการรบกวน	(A-B) ผลต่างระดับเสียง	(C) ตัวปรับค่า	(D) ปรับค่าเสียงจากแหล่งกำเนิด		(E) เสียงพื้นฐาน	(D-E) ค่าระดับการรบกวน
					(A-C) กลางวัน	(A-C)+3 กลางคืน		
03:45 AM - 03:50 AM	50.4	44.4	6.0	1.5	-	51.9	38.9	13.0
03:50 AM - 03:55 AM	49.0	46.3	2.7	3.0	-	49.0	41.1	7.9
03:55 AM - 04:00 AM	47.0	43.9	3.1	3.0	-	47.0	39.1	7.9
04:00 AM - 04:05 AM	53.1	48.1	5.0	1.5	-	54.6	40.6	14.0
04:05 AM - 04:10 AM	46.6	45.0	1.6	4.5	-	45.1	39.9	5.2
04:10 AM - 04:15 AM	45.3	45.0	0.3	7.0	-	41.3	39.6	1.7
04:15 AM - 04:20 AM	46.9	44.5	2.4	4.5	-	45.4	39.5	5.9
04:20 AM - 04:25 AM	46.2	46.3	-0.1	7.0	-	42.2	41.1	1.1
04:25 AM - 04:30 AM	49.4	50.1	-0.7	7.0	-	45.4	41.8	3.6
04:30 AM - 04:35 AM	47.2	46.8	0.4	7.0	-	43.2	41.1	2.1
04:35 AM - 04:40 AM	52.0	46.6	5.4	1.5	-	53.5	41.4	12.1
04:40 AM - 04:45 AM	52.1	50.5	1.6	4.5	-	50.6	43.6	7.0
04:45 AM - 04:50 AM	44.5	47.5	-3.0	7.0	-	40.5	42.4	-1.9
04:50 AM - 04:55 AM	48.4	47.5	0.9	7.0	-	44.4	42.4	2.0
04:55 AM - 05:00 AM	59.7	48.9	10.8	0.5	-	62.2	44.0	18.2
05:00 AM - 05:05 AM	52.2	50.7	1.5	4.5	-	50.7	45.2	5.5
05:05 AM - 05:10 AM	53.6	51.0	2.6	3.0	-	53.6	44.9	8.7
05:10 AM - 05:15 AM	52.7	51.7	1.0	7.0	-	48.7	45.3	3.4
05:15 AM - 05:20 AM	52.9	50.9	2.0	4.5	-	51.4	46.1	5.3
05:20 AM - 05:25 AM	59.3	51.8	7.5	0.5	-	61.8	47.2	14.6
05:25 AM - 05:30 AM	57.3	55.2	2.1	4.5	-	55.8	47.8	8.0
05:30 AM - 05:35 AM	56.8	50.3	6.5	1.0	-	58.8	47.7	11.1
05:35 AM - 05:40 AM	54.6	52.8	1.8	4.5	-	53.1	48.3	4.8
05:40 AM - 05:45 AM	59.3	53.4	5.9	1.5	-	60.8	49.4	11.4
05:45 AM - 05:50 AM	58.6	53.2	5.4	1.5	-	60.1	49.4	10.7
05:50 AM - 05:55 AM	62.8	55.0	7.8	0.5	-	65.3	49.2	16.1
05:55 AM - 06:00 AM	56.6	52.1	4.5	1.5	-	58.1	49.1	9.0
06:00 AM - 07:00 AM	64.6	58.0	6.6	1.0	63.6	-	51.6	12.0
07:00 AM - 08:00 AM	64.6	58.5	6.1	1.5	63.1	-	52.6	10.5
08:00 AM - 09:00 AM	63.6	56.6	7.0	1.0	62.6	-	49.4	13.2
09:00 AM - 10:00 AM	62.8	56.8	6.0	1.5	61.3	-	47.2	14.1
10:00 AM - 11:00 AM	62.3	56.6	5.7	1.5	60.8	-	48.4	12.4
ค่ามาตรฐาน	≤ 10							

Reference Method :

- ISO 1996-1
- ประกาศกรมโรงงานอุตสาหกรรม เรื่อง วิธีการตรวจวัดระดับเสียงรบกวน ระดับเสียงเฉลี่ย 24 ชั่วโมง และระดับเสียงสูงสุดที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2553

มาตรฐาน

- ประกาศกระทรวงอุตสาหกรรม เรื่อง กำหนดค่าระดับเสียงการรบกวนและระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548
- ประกาศกระทรวงสาธารณสุข เรื่อง กำหนดค่ามาตรฐานมลพิษทางเสียงอันเกิดจากการประกอบกิจการที่เป็นอันตรายต่อสุขภาพ พ.ศ. 2561  
ระดับเสียงจากแหล่งกำเนิด ท่าอากาศยานสุวรรณภูมิ วันที่ 30-31 ตุลาคม 2566  
ระดับเสียงพื้นฐานและระดับเสียงขณะไม่มีการรบกวน (Sample No.23115913-4 วันที่ตรวจวัด 30-31 ตุลาคม 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.

Approved by

Wilawan Borirak  
Manager



## Analysis / Test Report

TESTING  
No.0042

Client : Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140

Lot ID: 23115912  
Date Received : Nov 03, 2023  
Date Reported : Nov 06, 2023  
Report Number : 2827130-1

P/O : RJN(2)-004/066  
Project Name : Pluak Daeng  
Project Location :

Page 1 of 3

Sample No. 23115912-5  
Parameter เสียงรบกวน  
Location บ้านวังตาลหมอน (N1) (GPS 47P 0734063, 1432127)  
Measurement Date Oct 31 - Nov 01, 2023  
Measurement by Saknarin Jaraskay  
Sound Level Meter 00296518

### ระดับเสียง (dB(A))

เวลา	เสียงจาก แหล่งกำเนิด <sup>(A)</sup>	เสียงขณะ ไม่มีการรบกวน <sup>(B)</sup>	ผลต่าง ระดับเสียง <sup>(A-B)</sup>	ตัวปรับค่า <sup>(C)</sup>	ปรับค่าเสียงจากแหล่งกำเนิด <sup>(B)</sup>		เสียงพื้นฐาน <sup>(E)</sup>	ค่าระดับ การรบกวน <sup>(D-E)</sup>
					กลางวัน <sup>(A-C)</sup>	กลางคืน <sup>(A-C)+3</sup>		
11:00 AM - 12:00 PM	62.0	56.4	5.6	1.5	60.5	-	47.1	13.4
12:00 PM - 01:00 PM	60.1	54.0	6.1	1.5	58.6	-	48.2	10.4
01:00 PM - 02:00 PM	59.8	56.0	3.8	2.0	57.8	-	48.1	9.7
02:00 PM - 03:00 PM	62.2	55.4	6.8	1.0	61.2	-	47.2	14.0
03:00 PM - 04:00 PM	63.0	56.5	6.5	1.0	62.0	-	49.5	12.5
04:00 PM - 05:00 PM	62.0	57.7	4.3	2.0	60.0	-	50.2	9.8
05:00 PM - 06:00 PM	61.1	57.4	3.7	2.0	59.1	-	50.7	8.4
06:00 PM - 07:00 PM	56.1	54.7	1.4	7.0	49.1	-	50.4	-1.3
07:00 PM - 08:00 PM	56.1	52.6	3.5	2.0	54.1	-	49.5	4.6
08:00 PM - 09:00 PM	56.2	52.6	3.6	2.0	54.2	-	49.9	4.3
09:00 PM - 10:00 PM	50.6	50.5	0.1	7.0	43.6	-	46.8	-3.2
10:00 PM - 10:05 PM	49.6	50.2	-0.6	7.0	-	45.6	45.6	0.0
10:05 PM - 10:10 PM	46.9	49.2	-2.3	7.0	-	42.9	44.3	-1.4
10:10 PM - 10:15 PM	49.5	46.8	2.7	3.0	-	49.5	43.1	6.4
10:15 PM - 10:20 PM	47.2	49.0	-1.8	7.0	-	43.2	44.4	-1.2
10:20 PM - 10:25 PM	51.4	49.2	2.2	4.5	-	49.9	45.3	4.6
10:25 PM - 10:30 PM	48.8	49.7	-0.9	7.0	-	44.8	44.9	-0.1
10:30 PM - 10:35 PM	49.4	49.0	0.4	7.0	-	45.4	44.5	0.9
10:35 PM - 10:40 PM	52.5	50.4	2.1	4.5	-	51.0	44.8	6.2
10:40 PM - 10:45 PM	50.1	47.7	2.4	4.5	-	48.6	44.3	4.3
10:45 PM - 10:50 PM	54.1	49.3	4.8	1.5	-	55.6	43.9	11.7
10:50 PM - 10:55 PM	43.5	48.7	-5.2	7.0	-	39.5	44.4	-4.9
10:55 PM - 11:00 PM	49.3	48.4	0.9	7.0	-	45.3	44.9	0.4
11:00 PM - 11:05 PM	48.6	49.4	-0.8	7.0	-	44.6	45.3	-0.7
11:05 PM - 11:10 PM	51.7	46.6	5.1	1.5	-	53.2	43.5	9.7
11:10 PM - 11:15 PM	46.8	46.6	0.2	7.0	-	42.8	43.6	-0.8
11:15 PM - 11:20 PM	46.4	47.5	-1.1	7.0	-	42.4	43.8	-1.4
11:20 PM - 11:25 PM	48.4	49.0	-0.6	7.0	-	44.4	43.7	0.7
11:25 PM - 11:30 PM	45.9	47.3	-1.4	7.0	-	41.9	43.8	-1.9
11:30 PM - 11:35 PM	46.8	47.1	-0.3	7.0	-	42.8	43.4	-0.6
11:35 PM - 11:40 PM	45.7	53.5	-7.8	7.0	-	41.7	43.6	-1.9
11:40 PM - 11:45 PM	48.1	52.7	-4.6	7.0	-	44.1	43.2	0.9
11:45 PM - 11:50 PM	46.7	47.1	-0.4	7.0	-	42.7	43.5	-0.8
11:50 PM - 11:55 PM	43.6	53.8	-10.2	7.0	-	39.6	44.1	-4.5
11:55 PM - 12:00 AM	45.0	53.2	-8.2	7.0	-	41.0	44.3	-3.3
12:00 AM - 12:05 AM	46.0	49.0	-3.0	7.0	-	42.0	43.9	-1.9
12:05 AM - 12:10 AM	48.1	54.7	-6.6	7.0	-	44.1	45.1	-1.0
12:10 AM - 12:15 AM	48.4	48.9	-0.5	7.0	-	44.4	44.6	-0.2
12:15 AM - 12:20 AM	44.1	53.3	-9.2	7.0	-	40.1	43.1	-3.0
12:20 AM - 12:25 AM	43.3	46.6	-3.3	7.0	-	39.3	41.8	-2.5

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

Approved by

Wilawan Borirak  
Manager



## Analysis / Test Report

TESTING  
No.0042

Client : Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140

Lot ID: 23115912  
Date Received : Nov 03, 2023  
Date Reported : Nov 06, 2023  
Report Number : 2827130-1

P/O : RJN(2)-004/066  
Project Name : Pluak Daeng  
Project Location :

Page 2 of 3

Sample No. 23115912-5  
Parameter เสียงรบกวน  
Location บ้านวังตาลหมอน (N1) (GPS 47P 0734063, 1432127)  
Measurement Date Oct 31 - Nov 01, 2023  
Measurement by Saknarin Jaraskay  
Sound Level Meter 00296518

ระดับเสียง (dB(A))								
เวลา	เสียงจาก แหล่งกำเนิด	เสียงขณะ ไม่มีการรบกวน	ผลต่าง ระดับเสียง	ตัวปรับค่า	ปรับค่าเสียงจากแหล่งกำเนิด		เสียงพื้นฐาน	ค่าระดับ การรบกวน
					กลางวัน (A-C)	กลางคืน (A-C)+3		
12:25 AM - 12:30 AM	47.7	46.4	1.3	7.0	-	43.7	42.2	1.5
12:30 AM - 12:35 AM	47.9	47.2	0.7	7.0	-	43.9	42.9	1.0
12:35 AM - 12:40 AM	44.5	46.5	-2.0	7.0	-	40.5	43.2	-2.7
12:40 AM - 12:45 AM	47.3	46.7	0.6	7.0	-	43.3	43.6	-0.3
12:45 AM - 12:50 AM	45.2	48.3	-3.1	7.0	-	41.2	43.2	-2.0
12:50 AM - 12:55 AM	48.8	48.0	0.8	7.0	-	44.8	43.2	1.6
12:55 AM - 01:00 AM	45.0	45.1	-0.1	7.0	-	41.0	42.7	-1.7
01:00 AM - 01:05 AM	45.0	44.8	0.2	7.0	-	41.0	42.8	-1.8
01:05 AM - 01:10 AM	45.8	47.9	-2.1	7.0	-	41.8	42.7	-0.9
01:10 AM - 01:15 AM	43.4	46.6	-3.2	7.0	-	39.4	42.8	-3.4
01:15 AM - 01:20 AM	44.5	48.6	-4.1	7.0	-	40.5	42.6	-2.1
01:20 AM - 01:25 AM	43.6	45.2	-1.6	7.0	-	39.6	42.5	-2.9
01:25 AM - 01:30 AM	43.9	46.0	-2.1	7.0	-	39.9	42.5	-2.6
01:30 AM - 01:35 AM	42.8	47.3	-4.5	7.0	-	38.8	42.5	-3.7
01:35 AM - 01:40 AM	44.2	47.5	-3.3	7.0	-	40.2	42.8	-2.6
01:40 AM - 01:45 AM	43.0	48.2	-5.2	7.0	-	39.0	43.2	-4.2
01:45 AM - 01:50 AM	43.4	48.5	-5.1	7.0	-	39.4	42.8	-3.4
01:50 AM - 01:55 AM	44.1	47.8	-3.7	7.0	-	40.1	42.0	-1.9
01:55 AM - 02:00 AM	43.3	47.4	-4.1	7.0	-	39.3	42.3	-3.0
02:00 AM - 02:05 AM	42.5	46.4	-3.9	7.0	-	38.5	42.2	-3.7
02:05 AM - 02:10 AM	42.7	45.5	-2.8	7.0	-	38.7	41.7	-3.0
02:10 AM - 02:15 AM	45.2	44.7	0.5	7.0	-	41.2	41.5	-0.3
02:15 AM - 02:20 AM	44.4	45.4	-1.0	7.0	-	40.4	41.4	-1.0
02:20 AM - 02:25 AM	44.6	45.8	-1.2	7.0	-	40.6	41.4	-0.8
02:25 AM - 02:30 AM	46.1	46.2	-0.1	7.0	-	42.1	42.1	0.0
02:30 AM - 02:35 AM	44.1	44.8	-0.7	7.0	-	40.1	41.3	-1.2
02:35 AM - 02:40 AM	44.0	45.9	-1.9	7.0	-	40.0	41.0	-1.0
02:40 AM - 02:45 AM	45.1	45.5	-0.4	7.0	-	41.1	41.0	0.1
02:45 AM - 02:50 AM	43.8	47.3	-3.5	7.0	-	39.8	41.2	-1.4
02:50 AM - 02:55 AM	48.3	46.0	2.3	4.5	-	46.8	40.9	5.9
02:55 AM - 03:00 AM	42.8	46.3	-3.5	7.0	-	38.8	41.0	-2.2
03:00 AM - 03:05 AM	52.7	46.0	6.7	1.0	-	54.7	40.6	14.1
03:05 AM - 03:10 AM	43.4	45.7	-2.3	7.0	-	39.4	40.7	-1.3
03:10 AM - 03:15 AM	41.7	50.7	-9.0	7.0	-	37.7	40.7	-3.0
03:15 AM - 03:20 AM	42.4	46.3	-3.9	7.0	-	38.4	41.3	-2.9
03:20 AM - 03:25 AM	43.6	45.5	-1.9	7.0	-	39.6	41.1	-1.5
03:25 AM - 03:30 AM	44.6	44.8	-0.2	7.0	-	40.6	41.4	-0.8
03:30 AM - 03:35 AM	39.9	43.5	-3.6	7.0	-	35.9	40.0	-4.1
03:35 AM - 03:40 AM	40.4	43.9	-3.5	7.0	-	36.4	39.5	-3.1
03:40 AM - 03:45 AM	40.2	45.5	-5.3	7.0	-	36.2	40.8	-4.6

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Approved by

Wilawan Borirak  
Manager





## Analysis / Test Report

TESTING  
No.0042

Client : Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140

Lot ID: 23115912  
Date Received : Nov 03, 2023  
Date Reported : Nov 06, 2023  
Report Number : 2827130-1

P/O : RJN(2)-004/066  
Project Name : Pluak Daeng  
Project Location :

Page 3 of 3

Sample No. 23115912-5  
Parameter เสียงรบกวน  
Location บ้านวังตาลหมอน (N1) (GPS 47P 0734063, 1432127)  
Measurement Date Oct 31 - Nov 01, 2023  
Measurement by Saknarin Jaraskay  
Sound Level Meter 00296518

### ระดับเสียง (dB(A))

เวลา	เสียงจากแหล่งกำเนิด (A)	เสียงขณะไม่มีการรบกวน (B)	ผลต่างระดับเสียง (A-B)	ตัวปรับค่า (C)	ปรับค่าเสียงจากแหล่งกำเนิด (B)		เสียงพื้นฐาน (E)	ค่าระดับการรบกวน (D-E)
					กลางวัน (A-C)	กลางคืน (A-C)+3		
03:45 AM - 03:50 AM	39.3	47.4	-8.1	7.0	-	35.3	41.0	-5.7
03:50 AM - 03:55 AM	41.2	44.4	-3.2	7.0	-	37.2	41.1	-3.9
03:55 AM - 04:00 AM	40.4	45.4	-5.0	7.0	-	36.4	41.6	-5.2
04:00 AM - 04:05 AM	42.8	45.6	-2.8	7.0	-	38.8	40.5	-1.7
04:05 AM - 04:10 AM	43.7	48.6	-4.9	7.0	-	39.7	43.2	-3.5
04:10 AM - 04:15 AM	45.2	45.6	-0.4	7.0	-	41.2	41.8	-0.6
04:15 AM - 04:20 AM	41.7	47.5	-5.8	7.0	-	37.7	42.6	-4.9
04:20 AM - 04:25 AM	44.3	48.7	-4.4	7.0	-	40.3	43.6	-3.3
04:25 AM - 04:30 AM	48.9	48.3	0.6	7.0	-	44.9	43.3	1.6
04:30 AM - 04:35 AM	48.4	51.9	-3.5	7.0	-	44.4	44.5	-0.1
04:35 AM - 04:40 AM	52.1	47.2	4.9	1.5	-	53.6	42.5	11.1
04:40 AM - 04:45 AM	47.5	52.1	-4.6	7.0	-	43.5	43.9	-0.4
04:45 AM - 04:50 AM	47.8	48.5	-0.7	7.0	-	43.8	44.5	-0.7
04:50 AM - 04:55 AM	48.3	48.0	0.3	7.0	-	44.3	44.7	-0.4
04:55 AM - 05:00 AM	51.4	51.1	0.3	7.0	-	47.4	45.7	1.7
05:00 AM - 05:05 AM	46.3	51.0	-4.7	7.0	-	42.3	45.0	-2.7
05:05 AM - 05:10 AM	46.8	49.3	-2.5	7.0	-	42.8	44.3	-1.5
05:10 AM - 05:15 AM	48.2	51.1	-2.9	7.0	-	44.2	43.9	0.3
05:15 AM - 05:20 AM	48.3	50.9	-2.6	7.0	-	44.3	44.7	-0.4
05:20 AM - 05:25 AM	47.6	56.4	-8.8	7.0	-	43.6	45.8	-2.2
05:25 AM - 05:30 AM	54.1	52.9	1.2	7.0	-	50.1	47.1	3.0
05:30 AM - 05:35 AM	52.4	58.0	-5.6	7.0	-	48.4	47.9	0.5
05:35 AM - 05:40 AM	47.1	50.7	-3.6	7.0	-	43.1	47.2	-4.1
05:40 AM - 05:45 AM	51.3	51.0	0.3	7.0	-	47.3	49.0	-1.7
05:45 AM - 05:50 AM	48.7	53.3	-4.6	7.0	-	44.7	48.2	-3.5
05:50 AM - 05:55 AM	56.3	52.7	3.6	2.0	-	57.3	49.2	8.1
05:55 AM - 06:00 AM	53.5	56.6	-3.1	7.0	-	49.5	50.2	-0.7
06:00 AM - 07:00 AM	57.0	57.2	-0.2	7.0	50.0	-	52.7	-2.7
07:00 AM - 08:00 AM	60.2	56.8	3.4	3.0	57.2	-	51.3	5.9
08:00 AM - 09:00 AM	58.8	57.7	1.1	7.0	51.8	-	50.7	1.1
09:00 AM - 10:00 AM	59.0	56.6	2.4	4.5	54.5	-	48.5	6.0
10:00 AM - 11:00 AM	59.8	56.0	3.8	2.0	57.8	-	46.7	11.1

ค่ามาตรฐาน

≤ 10

Reference Method :

- ISO 1996-1
- ประกาศกรมโรงงานอุตสาหกรรม เรื่อง วิธีการตรวจวัดระดับเสียงรบกวน ระดับเสียงเฉลี่ย 24 ชั่วโมง และระดับเสียงสูงสุดที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2553

มาตรฐาน

- ประกาศกระทรวงอุตสาหกรรม เรื่อง กำหนดค่าระดับเสียงการรบกวนและระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548
- ประกาศกระทรวงสาธารณสุข เรื่อง กำหนดค่ามาตรฐานมลพิษทางเสียงอันเกิดจากการประกอบกิจการที่เป็นอันตรายต่อสุขภาพ พ.ศ. 2561  
ระดับเสียงจากแหล่งกำเนิด ท่าอากาศยาน วันที่ 31 ตุลาคม-01 พฤศจิกายน 2566  
ระดับเสียงพื้นฐานและระดับเสียงขณะไม่มีการรบกวน (Sample No.23115913-5 วันที่ตรวจวัด 31 ตุลาคม-01 พฤศจิกายน 2566)

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Approved by

Wilawan Borirak  
Manager





## Analysis / Test Report

TESTING  
No.0042

Client : Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140

Lot ID: 23115912  
Date Received : Nov 03, 2023  
Date Reported : Nov 06, 2023  
Report Number : 2827131-1

P/O : RJN(2)-004/066  
Project Name : Pluak Daeng  
Project Location :

Page 1 of 3

Sample No. 23115912-6  
Parameter เสียงรบกวน  
Location บ้านวังตาลหมอน (N1) (GPS 47P 0734063, 1432127)  
Measurement Date Nov 01 - 02, 2023  
Measurement by Saknarin Jaraskay  
Sound Level Meter 00296518

### ระดับเสียง (dB(A))

เวลา	เสียงจาก แหล่งกำเนิด <sup>(A)</sup>	เสียงขณะ ไม่มีการรบกวน <sup>(B)</sup>	ผลต่าง ระดับเสียง <sup>(A-B)</sup>	ตัวปรับค่า <sup>(C)</sup>	ปรับค่าเสียงจากแหล่งกำเนิด <sup>(B)</sup>		เสียงพื้นฐาน <sup>(E)</sup>	ค่าระดับ การรบกวน <sup>(D-E)</sup>
					กลางวัน <sup>(A-C)</sup>	กลางคืน <sup>(A-C)+3</sup>		
11:00 AM - 12:00 PM	61.2	55.6	5.6	1.5	59.7	-	45.5	14.2
12:00 PM - 01:00 PM	59.3	54.3	5.0	1.5	57.8	-	46.1	11.7
01:00 PM - 02:00 PM	59.0	54.9	4.1	2.0	57.0	-	46.6	10.4
02:00 PM - 03:00 PM	61.4	56.9	4.5	1.5	59.9	-	46.2	13.7
03:00 PM - 04:00 PM	62.2	56.4	5.8	1.5	60.7	-	46.4	14.3
04:00 PM - 05:00 PM	61.2	57.1	4.1	2.0	59.2	-	50.5	8.7
05:00 PM - 06:00 PM	60.3	55.4	4.9	1.5	58.8	-	50.0	8.8
06:00 PM - 07:00 PM	55.3	52.9	2.4	4.5	50.8	-	49.1	1.7
07:00 PM - 08:00 PM	55.3	51.8	3.5	2.0	53.3	-	46.7	6.6
08:00 PM - 09:00 PM	55.4	51.5	3.9	2.0	53.4	-	46.0	7.4
09:00 PM - 10:00 PM	49.8	48.5	1.3	7.0	42.8	-	43.4	-0.6
10:00 PM - 10:05 PM	48.8	46.1	2.7	3.0	-	48.8	42.3	6.5
10:05 PM - 10:10 PM	46.1	49.0	-2.9	7.0	-	42.1	43.8	-1.7
10:10 PM - 10:15 PM	48.7	50.3	-1.6	7.0	-	44.7	43.1	1.6
10:15 PM - 10:20 PM	46.4	49.8	-3.4	7.0	-	42.4	43.3	-0.9
10:20 PM - 10:25 PM	50.6	53.8	-3.2	7.0	-	46.6	41.5	5.1
10:25 PM - 10:30 PM	48.0	42.7	5.3	1.5	-	49.5	41.1	8.4
10:30 PM - 10:35 PM	48.6	47.0	1.6	4.5	-	47.1	41.9	5.2
10:35 PM - 10:40 PM	51.7	47.1	4.6	1.5	-	53.2	41.7	11.5
10:40 PM - 10:45 PM	49.3	48.1	1.2	7.0	-	45.3	43.0	2.3
10:45 PM - 10:50 PM	53.3	45.3	8.0	0.5	-	55.8	42.2	13.6
10:50 PM - 10:55 PM	42.7	45.2	-2.5	7.0	-	38.7	42.0	-3.3
10:55 PM - 11:00 PM	48.5	46.0	2.5	3.0	-	48.5	42.0	6.5
11:00 PM - 11:05 PM	47.8	45.3	2.5	3.0	-	47.8	42.2	5.6
11:05 PM - 11:10 PM	50.9	45.8	5.1	1.5	-	52.4	42.0	10.4
11:10 PM - 11:15 PM	46.0	44.0	2.0	4.5	-	44.5	41.7	2.8
11:15 PM - 11:20 PM	45.6	46.2	-0.6	7.0	-	41.6	42.1	-0.5
11:20 PM - 11:25 PM	47.6	44.5	3.1	3.0	-	47.6	41.3	6.3
11:25 PM - 11:30 PM	45.1	42.7	2.4	4.5	-	43.6	41.1	2.5
11:30 PM - 11:35 PM	46.0	43.2	2.8	3.0	-	46.0	41.1	4.9
11:35 PM - 11:40 PM	44.9	46.2	-1.3	7.0	-	40.9	41.9	-1.0
11:40 PM - 11:45 PM	47.3	47.6	-0.3	7.0	-	43.3	42.1	1.2
11:45 PM - 11:50 PM	45.9	45.8	0.1	7.0	-	41.9	41.5	0.4
11:50 PM - 11:55 PM	42.8	43.2	-0.4	7.0	-	38.8	41.3	-2.5
11:55 PM - 12:00 AM	44.2	42.9	1.3	7.0	-	40.2	40.6	-0.4
12:00 AM - 12:05 AM	45.2	45.2	0.0	7.0	-	41.2	41.3	-0.1
12:05 AM - 12:10 AM	47.3	43.6	3.7	2.0	-	48.3	40.7	7.6
12:10 AM - 12:15 AM	47.6	42.2	5.4	1.5	-	49.1	40.5	8.6
12:15 AM - 12:20 AM	43.3	46.5	-3.2	7.0	-	39.3	41.6	-2.3
12:20 AM - 12:25 AM	42.5	43.2	-0.7	7.0	-	38.5	40.2	-1.7

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Wilawan Borirak  
Manager



## Analysis / Test Report

TESTING  
No.0042

Client : Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140

Lot ID: 23115912  
Date Received : Nov 03, 2023  
Date Reported : Nov 06, 2023  
Report Number : 2827131-1

P/O : RJN(2)-004/066  
Project Name : Pluak Daeng  
Project Location :

Page 2 of 3

Sample No. 23115912-6  
Parameter เสียงรบกวน  
Location บ้านวังตาลหมอน (N1) (GPS 47P 0734063, 1432127)  
Measurement Date Nov 01 - 02, 2023  
Measurement by Saknarin Jaraskay  
Sound Level Meter 00296518

ระดับเสียง (dB(A))								
เวลา	เสียงจาก แหล่งกำเนิด (A)	เสียงขณะ ไม่มีการรบกวน (B)	ผลต่าง ระดับเสียง (A-B)	ตัวปรับค่า (C)	ปรับค่าเสียงจากแหล่งกำเนิด (D)		เสียงพื้นฐาน (E)	ค่าระดับ การรบกวน (D-E)
	กลางวัน (A-C)	กลางคืน (A-C)+3						
12:25 AM - 12:30 AM	46.9	46.0	0.9	7.0	-	42.9	41.7	1.2
12:30 AM - 12:35 AM	47.1	43.9	3.2	3.0	-	47.1	41.0	6.1
12:35 AM - 12:40 AM	43.7	43.6	0.1	7.0	-	39.7	41.0	-1.3
12:40 AM - 12:45 AM	46.5	43.2	3.3	3.0	-	46.5	40.7	5.8
12:45 AM - 12:50 AM	44.4	42.4	2.0	4.5	-	42.9	40.5	2.4
12:50 AM - 12:55 AM	48.0	43.3	4.7	1.5	-	49.5	40.9	8.6
12:55 AM - 01:00 AM	44.2	42.5	1.7	4.5	-	42.7	41.0	1.7
01:00 AM - 01:05 AM	44.2	42.5	1.7	4.5	-	42.7	40.6	2.1
01:05 AM - 01:10 AM	45.0	42.4	2.6	3.0	-	45.0	40.7	4.3
01:10 AM - 01:15 AM	42.6	43.3	-0.7	7.0	-	38.6	40.5	-1.9
01:15 AM - 01:20 AM	43.7	41.9	1.8	4.5	-	42.2	40.1	2.1
01:20 AM - 01:25 AM	42.8	41.8	1.0	7.0	-	38.8	39.9	-1.1
01:25 AM - 01:30 AM	43.1	42.6	0.5	7.0	-	39.1	40.5	-1.4
01:30 AM - 01:35 AM	42.8	41.9	0.9	7.0	-	38.8	40.0	-1.2
01:35 AM - 01:40 AM	44.2	41.0	3.2	3.0	-	44.2	39.4	4.8
01:40 AM - 01:45 AM	43.0	41.3	1.7	4.5	-	41.5	39.5	2.0
01:45 AM - 01:50 AM	43.4	42.8	0.6	7.0	-	39.4	40.7	-1.3
01:50 AM - 01:55 AM	44.1	42.6	1.5	4.5	-	42.6	40.4	2.2
01:55 AM - 02:00 AM	43.3	42.5	0.8	7.0	-	39.3	40.5	-1.2
02:00 AM - 02:05 AM	42.5	45.4	-2.9	7.0	-	38.5	40.7	-2.2
02:05 AM - 02:10 AM	42.7	41.7	1.0	7.0	-	38.7	39.8	-1.1
02:10 AM - 02:15 AM	45.2	41.6	3.6	2.0	-	46.2	39.5	6.7
02:15 AM - 02:20 AM	44.4	44.3	0.1	7.0	-	40.4	39.8	0.6
02:20 AM - 02:25 AM	44.6	41.2	3.4	3.0	-	44.6	39.3	5.3
02:25 AM - 02:30 AM	46.1	44.1	2.0	4.5	-	44.6	39.9	4.7
02:30 AM - 02:35 AM	44.1	42.0	2.1	4.5	-	42.6	39.3	3.3
02:35 AM - 02:40 AM	44.0	46.6	-2.6	7.0	-	40.0	39.7	0.3
02:40 AM - 02:45 AM	45.1	42.2	2.9	3.0	-	45.1	38.9	6.2
02:45 AM - 02:50 AM	43.8	42.0	1.8	4.5	-	42.3	39.8	2.5
02:50 AM - 02:55 AM	48.3	42.6	5.7	1.5	-	49.8	40.1	9.7
02:55 AM - 03:00 AM	42.8	42.7	0.1	7.0	-	38.8	39.6	-0.8
03:00 AM - 03:05 AM	52.7	47.1	5.6	1.5	-	54.2	39.6	14.6
03:05 AM - 03:10 AM	43.4	40.8	2.6	3.0	-	43.4	38.5	4.9
03:10 AM - 03:15 AM	41.7	40.8	0.9	7.0	-	37.7	37.9	-0.2
03:15 AM - 03:20 AM	42.4	40.0	2.4	4.5	-	40.9	37.5	3.4
03:20 AM - 03:25 AM	43.6	38.9	4.7	1.5	-	45.1	37.5	7.6
03:25 AM - 03:30 AM	44.6	41.2	3.4	3.0	-	44.6	38.3	6.3
03:30 AM - 03:35 AM	39.9	40.6	-0.7	7.0	-	35.9	37.9	-2.0
03:35 AM - 03:40 AM	40.4	41.8	-1.4	7.0	-	36.4	38.3	-1.9
03:40 AM - 03:45 AM	40.2	42.2	-2.0	7.0	-	36.2	38.8	-2.6

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Approved by

Wilawan Borirak  
Manager



## Analysis / Test Report

TESTING  
No.0042

Client : Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140

Lot ID: 23115912  
Date Received : Nov 03, 2023  
Date Reported : Nov 06, 2023  
Report Number : 2827131-1

P/O : RJN(2)-004/066  
Project Name : Pluak Daeng  
Project Location :

Page 3 of 3

Sample No. 23115912-6  
Parameter เสียงรบกวน  
Location บ้านวังตาลหมอน (N1) (GPS 47P 0734063, 1432127)  
Measurement Date Nov 01 - 02, 2023  
Measurement by Saknarin Jaraskay  
Sound Level Meter 00296518

### ระดับเสียง (dB(A))

เวลา	เสียงจากแหล่งกำเนิด (A)	เสียงขณะไม่มีการรบกวน (B)	ผลต่างระดับเสียง (A-B)	ตัวปรับค่า (C)	ปรับค่าเสียงจากแหล่งกำเนิด (D)		เสียงพื้นฐาน (E)	ค่าระดับการรบกวน (D-E)
					กลางวัน (A-C)	กลางคืน (A-C)+3		
03:45 AM - 03:50 AM	39.3	45.3	-6.0	7.0	-	35.3	38.7	-3.4
03:50 AM - 03:55 AM	41.2	43.2	-2.0	7.0	-	37.2	39.7	-2.5
03:55 AM - 04:00 AM	40.4	44.5	-4.1	7.0	-	36.4	40.0	-3.6
04:00 AM - 04:05 AM	42.8	49.5	-6.7	7.0	-	38.8	40.8	-2.0
04:05 AM - 04:10 AM	43.7	48.0	-4.3	7.0	-	39.7	41.0	-1.3
04:10 AM - 04:15 AM	45.2	48.8	-3.6	7.0	-	41.2	41.1	0.1
04:15 AM - 04:20 AM	41.7	46.7	-5.0	7.0	-	37.7	40.2	-2.5
04:20 AM - 04:25 AM	44.3	46.1	-1.8	7.0	-	40.3	40.2	0.1
04:25 AM - 04:30 AM	48.9	47.3	1.6	4.5	-	47.4	40.3	7.1
04:30 AM - 04:35 AM	48.4	52.5	-4.1	7.0	-	44.4	41.6	2.8
04:35 AM - 04:40 AM	52.1	47.0	5.1	1.5	-	53.6	41.7	11.9
04:40 AM - 04:45 AM	47.5	48.0	-0.5	7.0	-	43.5	42.1	1.4
04:45 AM - 04:50 AM	47.8	47.0	0.8	7.0	-	43.8	41.0	2.8
04:50 AM - 04:55 AM	48.3	45.7	2.6	3.0	-	48.3	42.5	5.8
04:55 AM - 05:00 AM	51.4	48.0	3.4	3.0	-	51.4	43.0	8.4
05:00 AM - 05:05 AM	46.3	54.6	-8.3	7.0	-	42.3	44.2	-1.9
05:05 AM - 05:10 AM	46.8	50.8	-4.0	7.0	-	42.8	44.2	-1.4
05:10 AM - 05:15 AM	48.2	48.5	-0.3	7.0	-	44.2	44.0	0.2
05:15 AM - 05:20 AM	48.3	51.5	-3.2	7.0	-	44.3	46.1	-1.8
05:20 AM - 05:25 AM	47.6	49.8	-2.2	7.0	-	43.6	45.7	-2.1
05:25 AM - 05:30 AM	54.1	54.8	-0.7	7.0	-	50.1	50.5	-0.4
05:30 AM - 05:35 AM	52.4	53.5	-1.1	7.0	-	48.4	50.7	-2.3
05:35 AM - 05:40 AM	47.1	53.2	-6.1	7.0	-	43.1	50.3	-7.2
05:40 AM - 05:45 AM	51.3	53.9	-2.6	7.0	-	47.3	50.5	-3.2
05:45 AM - 05:50 AM	48.7	56.6	-7.9	7.0	-	44.7	49.0	-4.3
05:50 AM - 05:55 AM	56.3	51.8	4.5	1.5	-	57.8	47.4	10.4
05:55 AM - 06:00 AM	53.5	50.9	2.6	3.0	-	53.5	48.2	5.3
06:00 AM - 07:00 AM	57.0	56.0	1.0	7.0	50.0	-	50.6	-0.6
07:00 AM - 08:00 AM	60.2	55.4	4.8	1.5	58.7	-	49.6	9.1
08:00 AM - 09:00 AM	58.8	54.1	4.7	1.5	57.3	-	47.6	9.7
09:00 AM - 10:00 AM	59.0	55.5	3.5	2.0	57.0	-	47.6	9.4
10:00 AM - 11:00 AM	59.8	53.7	6.1	1.5	58.3	-	46.5	11.8

ค่ามาตรฐาน

≤ 10

Reference Method :

- ISO 1996-1
- ประกาศกรมโรงงานอุตสาหกรรม เรื่อง วิธีการตรวจวัดระดับเสียงรบกวน ระดับเสียงเฉลี่ย 24 ชั่วโมง และระดับเสียงสูงสุดที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2553

มาตรฐาน

- ประกาศกระทรวงอุตสาหกรรม เรื่อง กำหนดค่าระดับเสียงการรบกวนและระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548
- ประกาศกระทรวงสาธารณสุข เรื่อง กำหนดค่ามาตรฐานมลพิษทางเสียงอันเกิดจากการประกอบกิจการที่เป็นอันตรายต่อสุขภาพ พ.ศ. 2561  
ระดับเสียงจากแหล่งกำเนิด ท่าอากาศยาน วันที่ 01-02 พฤศจิกายน 2566  
ระดับเสียงพื้นฐานและระดับเสียงขณะไม่มีการรบกวน (Sample No.23115913-6 วันที่ตรวจวัด 01-02 พฤศจิกายน 2566)

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Approved by

Wilawan Borirak  
Manager



## Analysis / Test Report

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

Client : Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140

Lot ID: 23115912  
Date Received : Nov 03, 2023  
Date Reported : Nov 06, 2023  
Report Number : 2827132-1

P/O : RJN(2)-004/066  
Project Name : Pluak Daeng  
Project Location :

Page 1 of 3

Sample No. 23115912-7  
Parameter เสียงรบกวน  
Location บ้านวังตาลหมอน (N1) (GPS 47P 0734063, 1432127)  
Measurement Date Nov 02 - 03, 2023  
Measurement by Saknarin Jaraskay  
Sound Level Meter 00296518

### ระดับเสียง (dB(A))

เวลา	เสียงจากแหล่งกำเนิด		ผลต่างระดับเสียง	ตัวปรับค่า	ปรับค่าเสียงจากแหล่งกำเนิด		เสียงพื้นฐาน	ค่าระดับการรบกวน
	(A)	(B)			(A-C)	(A-C)+3		
11:00 AM - 12:00 PM	57.6	54.4	3.2	3.0	54.6	-	46.7	7.9
12:00 PM - 01:00 PM	56.6	52.8	3.8	2.0	54.6	-	45.2	9.4
01:00 PM - 02:00 PM	61.5	53.8	7.7	0.5	61.0	-	48.4	12.6
02:00 PM - 03:00 PM	57.6	53.8	3.8	2.0	55.6	-	46.8	8.8
03:00 PM - 04:00 PM	55.2	53.8	1.4	7.0	48.2	-	47.4	0.8
04:00 PM - 05:00 PM	59.8	56.5	3.3	3.0	56.8	-	49.9	6.9
05:00 PM - 06:00 PM	61.8	56.7	5.1	1.5	60.3	-	48.8	11.5
06:00 PM - 07:00 PM	59.4	52.7	6.7	1.0	58.4	-	48.6	9.8
07:00 PM - 08:00 PM	54.8	51.9	2.9	3.0	51.8	-	46.8	5.0
08:00 PM - 09:00 PM	54.9	50.6	4.3	2.0	52.9	-	45.7	7.2
09:00 PM - 10:00 PM	57.2	48.2	9.0	0.5	56.7	-	43.7	13.0
10:00 PM - 10:05 PM	45.5	44.2	1.3	7.0	-	41.5	40.9	0.6
10:05 PM - 10:10 PM	53.5	47.6	5.9	1.5	-	55.0	41.2	13.8
10:10 PM - 10:15 PM	47.9	44.7	3.2	3.0	-	47.9	39.9	8.0
10:15 PM - 10:20 PM	47.9	45.8	2.1	4.5	-	46.4	41.8	4.6
10:20 PM - 10:25 PM	50.0	44.3	5.7	1.5	-	51.5	41.5	10.0
10:25 PM - 10:30 PM	48.6	44.6	4.0	2.0	-	49.6	41.1	8.5
10:30 PM - 10:35 PM	50.8	52.5	-1.7	7.0	-	46.8	41.0	5.8
10:35 PM - 10:40 PM	46.5	50.8	-4.3	7.0	-	42.5	40.9	1.6
10:40 PM - 10:45 PM	46.2	44.8	1.4	7.0	-	42.2	40.9	1.3
10:45 PM - 10:50 PM	44.8	44.8	0.0	7.0	-	40.8	39.8	1.0
10:50 PM - 10:55 PM	47.6	44.6	3.0	3.0	-	47.6	39.9	7.7
10:55 PM - 11:00 PM	48.6	45.2	3.4	3.0	-	48.6	40.4	8.2
11:00 PM - 11:05 PM	49.8	45.3	4.5	1.5	-	51.3	40.0	11.3
11:05 PM - 11:10 PM	48.4	42.7	5.7	1.5	-	49.9	38.8	11.1
11:10 PM - 11:15 PM	45.9	44.2	1.7	4.5	-	44.4	38.9	5.5
11:15 PM - 11:20 PM	45.5	41.7	3.8	2.0	-	46.5	38.8	7.7
11:20 PM - 11:25 PM	48.0	43.8	4.2	2.0	-	49.0	39.1	9.9
11:25 PM - 11:30 PM	47.8	44.0	3.8	2.0	-	48.8	39.3	9.5
11:30 PM - 11:35 PM	44.4	45.2	-0.8	7.0	-	40.4	40.1	0.3
11:35 PM - 11:40 PM	47.9	43.7	4.2	2.0	-	48.9	39.9	9.0
11:40 PM - 11:45 PM	43.1	44.0	-0.9	7.0	-	39.1	39.7	-0.6
11:45 PM - 11:50 PM	43.6	44.2	-0.6	7.0	-	39.6	39.8	-0.2
11:50 PM - 11:55 PM	43.8	44.2	-0.4	7.0	-	39.8	39.5	0.3
11:55 PM - 12:00 AM	48.4	46.5	1.9	4.5	-	46.9	39.5	7.4
12:00 AM - 12:05 AM	42.7	45.0	-2.3	7.0	-	38.7	39.5	-0.8
12:05 AM - 12:10 AM	43.2	44.6	-1.4	7.0	-	39.2	39.0	0.2
12:10 AM - 12:15 AM	43.8	43.1	0.7	7.0	-	39.8	38.9	0.9
12:15 AM - 12:20 AM	42.0	44.3	-2.3	7.0	-	38.0	39.0	-1.0
12:20 AM - 12:25 AM	45.3	44.3	1.0	7.0	-	41.3	38.7	2.6

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Approved by

*Wilawan Borirak*

Wilawan Borirak  
Manager



## Analysis / Test Report

TESTING  
No.0042

Client : Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140

Lot ID: 23115912  
Date Received : Nov 03, 2023  
Date Reported : Nov 06, 2023  
Report Number : 2827132-1

P/O : RJN(2)-004/066  
Project Name : Pluak Daeng  
Project Location :

Page 2 of 3

Sample No. 23115912-7  
Parameter เสียงรบกวน  
Location บ้านวังตาลหมอน (N1) (GPS 47P 0734063, 1432127)  
Measurement Date Nov 02 - 03, 2023  
Measurement by Saknarin Jaraskay  
Sound Level Meter 00296518

ระดับเสียง (dB(A))								
เวลา	เสียงจาก แหล่งกำเนิด	เสียงขณะ ไม่มีการรบกวน	ผลต่าง ระดับเสียง	ตัวปรับค่า	ปรับค่าเสียงจากแหล่งกำเนิด		เสียงพื้นฐาน	ค่าระดับ การรบกวน
					กลางวัน (A-C)	กลางคืน (A-C)+3		
12:25 AM - 12:30 AM	43.1	43.6	-0.5	7.0	-	39.1	38.3	0.8
12:30 AM - 12:35 AM	43.4	45.2	-1.8	7.0	-	39.4	38.6	0.8
12:35 AM - 12:40 AM	41.5	42.6	-1.1	7.0	-	37.5	38.7	-1.2
12:40 AM - 12:45 AM	45.6	40.7	4.9	1.5	-	47.1	39.0	8.1
12:45 AM - 12:50 AM	43.5	47.6	-4.1	7.0	-	39.5	39.9	-0.4
12:50 AM - 12:55 AM	45.5	42.1	3.4	3.0	-	45.5	39.4	6.1
12:55 AM - 01:00 AM	46.9	43.2	3.7	2.0	-	47.9	39.9	8.0
01:00 AM - 01:05 AM	43.1	52.8	-9.7	7.0	-	39.1	41.5	-2.4
01:05 AM - 01:10 AM	42.0	46.1	-4.1	7.0	-	38.0	41.4	-3.4
01:10 AM - 01:15 AM	43.2	46.2	-3.0	7.0	-	39.2	41.1	-1.9
01:15 AM - 01:20 AM	45.4	47.1	-1.7	7.0	-	41.4	44.9	-3.5
01:20 AM - 01:25 AM	41.6	47.0	-5.4	7.0	-	37.6	45.5	-7.9
01:25 AM - 01:30 AM	53.6	46.7	6.9	1.0	-	55.6	42.9	12.7
01:30 AM - 01:35 AM	43.8	53.0	-9.2	7.0	-	39.8	52.3	-12.5
01:35 AM - 01:40 AM	41.8	52.1	-10.3	7.0	-	37.8	42.2	-4.4
01:40 AM - 01:45 AM	44.8	43.5	1.3	7.0	-	40.8	38.8	2.0
01:45 AM - 01:50 AM	43.8	44.0	-0.2	7.0	-	39.8	39.0	0.8
01:50 AM - 01:55 AM	43.6	42.8	0.8	7.0	-	39.6	38.9	0.7
01:55 AM - 02:00 AM	45.6	42.5	3.1	3.0	-	45.6	38.2	7.4
02:00 AM - 02:05 AM	43.1	41.7	1.4	7.0	-	39.1	38.7	0.4
02:05 AM - 02:10 AM	40.8	39.5	1.3	7.0	-	36.8	38.4	-1.6
02:10 AM - 02:15 AM	42.7	46.7	-4.0	7.0	-	38.7	42.0	-3.3
02:15 AM - 02:20 AM	40.8	43.0	-2.2	7.0	-	36.8	41.1	-4.3
02:20 AM - 02:25 AM	39.9	42.9	-3.0	7.0	-	35.9	40.8	-4.9
02:25 AM - 02:30 AM	41.0	45.6	-4.6	7.0	-	37.0	41.1	-4.1
02:30 AM - 02:35 AM	41.0	42.5	-1.5	7.0	-	37.0	40.6	-3.6
02:35 AM - 02:40 AM	44.2	45.4	-1.2	7.0	-	40.2	41.2	-1.0
02:40 AM - 02:45 AM	42.7	43.3	-0.6	7.0	-	38.7	40.6	-1.9
02:45 AM - 02:50 AM	45.8	47.9	-2.1	7.0	-	41.8	41.0	0.8
02:50 AM - 02:55 AM	49.5	43.5	6.0	1.5	-	51.0	40.2	10.8
02:55 AM - 03:00 AM	42.9	43.3	-0.4	7.0	-	38.9	41.1	-2.2
03:00 AM - 03:05 AM	42.7	43.9	-1.2	7.0	-	38.7	41.4	-2.7
03:05 AM - 03:10 AM	42.3	44.0	-1.7	7.0	-	38.3	40.9	-2.6
03:10 AM - 03:15 AM	47.1	48.4	-1.3	7.0	-	43.1	40.9	2.2
03:15 AM - 03:20 AM	42.0	42.1	-0.1	7.0	-	38.0	39.8	-1.8
03:20 AM - 03:25 AM	40.6	42.1	-1.5	7.0	-	36.6	39.2	-2.6
03:25 AM - 03:30 AM	43.9	41.3	2.6	3.0	-	43.9	38.8	5.1
03:30 AM - 03:35 AM	42.8	40.2	2.6	3.0	-	42.8	38.8	4.0
03:35 AM - 03:40 AM	42.3	42.5	-0.2	7.0	-	38.3	39.6	-1.3
03:40 AM - 03:45 AM	46.5	41.9	4.6	1.5	-	48.0	39.2	8.8

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Approved by

Wilawan Borirak  
Manager



## Analysis / Test Report

TESTING  
No.0042

Client : Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140

Lot ID: 23115912  
Date Received : Nov 03, 2023  
Date Reported : Nov 06, 2023  
Report Number : 2827132-1

P/O : RJN(2)-004/066  
Project Name : Pluak Daeng  
Project Location :

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Sample No. 23115912-7  
Parameter เสียงรบกวน  
Location บ้านวังตาลหมอน (N1) (GPS 47P 0734063, 1432127)  
Measurement Date Nov 02 - 03, 2023  
Measurement by Saknarin Jaraskay  
Sound Level Meter 00296518

### ระดับเสียง (dB(A))

เวลา	เสียงจากแหล่งกำเนิด (A)	เสียงขณะไม่มีการรบกวน (B)	ผลต่างระดับเสียง (A-B)	ตัวปรับค่า (C)	ปรับค่าเสียงจากแหล่งกำเนิด (D)		เสียงพื้นฐาน (E)	ค่าระดับการรบกวน (D-E)
					กลางวัน (A-C)	กลางคืน (A-C)+3		
03:45 AM - 03:50 AM	45.1	43.1	2.0	4.5	-	43.6	39.6	4.0
03:50 AM - 03:55 AM	43.1	43.5	-0.4	7.0	-	39.1	40.1	-1.0
03:55 AM - 04:00 AM	49.2	46.6	2.6	3.0	-	49.2	40.0	9.2
04:00 AM - 04:05 AM	42.7	44.5	-1.8	7.0	-	38.7	41.0	-2.3
04:05 AM - 04:10 AM	41.4	45.8	-4.4	7.0	-	37.4	41.3	-3.9
04:10 AM - 04:15 AM	43.0	50.8	-7.8	7.0	-	39.0	42.1	-3.1
04:15 AM - 04:20 AM	42.3	49.3	-7.0	7.0	-	38.3	42.3	-4.0
04:20 AM - 04:25 AM	45.5	50.1	-4.6	7.0	-	41.5	42.4	-0.9
04:25 AM - 04:30 AM	43.3	48.0	-4.7	7.0	-	39.3	41.5	-2.2
04:30 AM - 04:35 AM	48.1	47.4	0.7	7.0	-	44.1	41.5	2.6
04:35 AM - 04:40 AM	48.2	48.6	-0.4	7.0	-	44.2	41.6	2.6
04:40 AM - 04:45 AM	40.6	53.8	-13.2	7.0	-	36.6	42.9	-6.3
04:45 AM - 04:50 AM	44.5	48.3	-3.8	7.0	-	40.5	43.0	-2.5
04:50 AM - 04:55 AM	55.8	49.3	6.5	1.0	-	57.8	43.4	14.4
04:55 AM - 05:00 AM	48.3	48.3	0.0	7.0	-	44.3	42.3	2.0
05:00 AM - 05:05 AM	46.9	47.0	-0.1	7.0	-	42.9	43.8	-0.9
05:05 AM - 05:10 AM	48.7	49.3	-0.6	7.0	-	44.7	44.3	0.4
05:10 AM - 05:15 AM	47.8	55.9	-8.1	7.0	-	43.8	45.5	-1.7
05:15 AM - 05:20 AM	48.0	52.1	-4.1	7.0	-	44.0	45.5	-1.5
05:20 AM - 05:25 AM	54.4	49.8	4.6	1.5	-	55.9	45.3	10.6
05:25 AM - 05:30 AM	52.4	52.8	-0.4	7.0	-	48.4	47.4	1.0
05:30 AM - 05:35 AM	51.9	51.1	0.8	7.0	-	47.9	47.0	0.9
05:35 AM - 05:40 AM	49.7	56.1	-6.4	7.0	-	45.7	51.8	-6.1
05:40 AM - 05:45 AM	54.4	54.8	-0.4	7.0	-	50.4	52.0	-1.6
05:45 AM - 05:50 AM	53.7	54.5	-0.8	7.0	-	49.7	51.6	-1.9
05:50 AM - 05:55 AM	57.9	55.2	2.7	3.0	-	57.9	51.8	6.1
05:55 AM - 06:00 AM	51.7	57.9	-6.2	7.0	-	47.7	50.3	-2.6
06:00 AM - 07:00 AM	59.7	56.9	2.8	3.0	56.7	-	51.5	5.2
07:00 AM - 08:00 AM	59.7	56.4	3.3	3.0	56.7	-	51.1	5.6
08:00 AM - 09:00 AM	59.4	56.0	3.4	3.0	56.4	-	49.3	7.1
09:00 AM - 10:00 AM	59.0	56.8	2.2	4.5	54.5	-	48.9	5.6
10:00 AM - 11:00 AM	60.3	54.9	5.4	1.5	58.8	-	48.1	10.7

ค่ามาตรฐาน

≤ 10

Reference Method :

- ISO 1996-1
- ประกาศกรมโรงงานอุตสาหกรรม เรื่อง วิธีการตรวจวัดระดับเสียงรบกวน ระดับเสียงเฉลี่ย 24 ชั่วโมง และระดับเสียงสูงสุดที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2553

มาตรฐาน

- ประกาศกระทรวงอุตสาหกรรม เรื่อง กำหนดค่าระดับเสียงการรบกวนและระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548
- ประกาศกระทรวงสาธารณสุข เรื่อง กำหนดค่ามาตรฐานมลพิษทางเสียงอันเกิดจากการประกอบกิจการที่เป็นอันตรายต่อสุขภาพ พ.ศ. 2561  
ระดับเสียงจากแหล่งกำเนิด ท่าอากาศยาน วันที่ 02-03 พฤศจิกายน 2566  
ระดับเสียงพื้นฐานและระดับเสียงขณะไม่มีการรบกวน (Sample No.23115913-7 วันที่ตรวจวัด 02-03 พฤศจิกายน 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.

Approved by

Wilawan Borirak  
Manager





## Analysis / Test Report

TESTING  
No.0042

Client : Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140

Lot ID: 23115912  
Date Received : Nov 03, 2023  
Date Reported : Nov 06, 2023  
Report Number : 2827133-1

P/O : RJN(2)-004/066  
Project Name : Pluak Daeng  
Project Location :

Page 1 of 3

Sample No. 23115912-8  
Parameter เสียงรบกวน  
Location บ้านพักอาศัย หมู่ 2 ช.มาบยางพร 15 (N2) (GPS 47P0733642, 1434006)  
Measurement Date Oct 27 - 28, 2023  
Measurement by Saknarin Jaraskay  
Sound Level Meter 597167

### ระดับเสียง (dB(A))

เวลา	เสียงจาก แหล่งกำเนิด <sup>(A)</sup>	เสียงขณะ ไม่มีการรบกวน <sup>(B)</sup>	ผลต่าง ระดับเสียง <sup>(A-B)</sup>	ตัวปรับค่า <sup>(C)</sup>	ปรับค่าเสียงจากแหล่งกำเนิด <sup>(B)</sup>		เสียงพื้นฐาน <sup>(E)</sup>	ค่าระดับ การรบกวน <sup>(D-E)</sup>
					กลางวัน <sup>(A-C)</sup>	กลางคืน <sup>(A-C)+3</sup>		
11:00 AM - 12:00 PM	57.8	60.2	-2.4	7.0	50.8	-	48.6	2.2
12:00 PM - 01:00 PM	60.4	62.4	-2.0	7.0	53.4	-	47.8	5.6
01:00 PM - 02:00 PM	60.8	58.7	2.1	4.5	56.3	-	47.9	8.4
02:00 PM - 03:00 PM	59.9	58.7	1.2	7.0	52.9	-	47.6	5.3
03:00 PM - 04:00 PM	56.1	58.4	-2.3	7.0	49.1	-	49.2	-0.1
04:00 PM - 05:00 PM	56.6	60.5	-3.9	7.0	49.6	-	51.5	-1.9
05:00 PM - 06:00 PM	60.5	63.7	-3.2	7.0	53.5	-	52.9	0.6
06:00 PM - 07:00 PM	58.3	61.4	-3.1	7.0	51.3	-	47.6	3.7
07:00 PM - 08:00 PM	59.3	61.8	-2.5	7.0	52.3	-	50.0	2.3
08:00 PM - 09:00 PM	58.2	61.5	-3.3	7.0	51.2	-	49.0	2.2
09:00 PM - 10:00 PM	54.2	56.3	-2.1	7.0	47.2	-	46.8	0.4
10:00 PM - 10:05 PM	50.7	57.6	-6.9	7.0	-	46.7	46.6	0.1
10:05 PM - 10:10 PM	53.0	57.7	-4.7	7.0	-	49.0	46.7	2.3
10:10 PM - 10:15 PM	60.7	54.0	6.7	1.0	-	62.7	46.0	16.7
10:15 PM - 10:20 PM	50.3	60.7	-10.4	7.0	-	46.3	46.2	0.1
10:20 PM - 10:25 PM	50.0	55.6	-5.6	7.0	-	46.0	46.9	-0.9
10:25 PM - 10:30 PM	49.4	52.4	-3.0	7.0	-	45.4	46.5	-1.1
10:30 PM - 10:35 PM	46.4	51.8	-5.4	7.0	-	42.4	46.9	-4.5
10:35 PM - 10:40 PM	43.2	55.0	-11.8	7.0	-	39.2	46.9	-7.7
10:40 PM - 10:45 PM	51.1	56.1	-5.0	7.0	-	47.1	46.9	0.2
10:45 PM - 10:50 PM	47.3	53.7	-6.4	7.0	-	43.3	46.8	-3.5
10:50 PM - 10:55 PM	43.8	55.0	-11.2	7.0	-	39.8	47.0	-7.2
10:55 PM - 11:00 PM	39.8	59.2	-19.4	7.0	-	35.8	47.7	-11.9
11:00 PM - 11:05 PM	43.9	53.7	-9.8	7.0	-	39.9	47.5	-7.6
11:05 PM - 11:10 PM	46.6	53.7	-7.1	7.0	-	42.6	48.0	-5.4
11:10 PM - 11:15 PM	48.5	53.4	-4.9	7.0	-	44.5	48.3	-3.8
11:15 PM - 11:20 PM	53.0	52.6	0.4	7.0	-	49.0	47.8	1.2
11:20 PM - 11:25 PM	43.6	48.5	-4.9	7.0	-	39.6	47.1	-7.5
11:25 PM - 11:30 PM	54.5	55.0	-0.5	7.0	-	50.5	46.5	4.0
11:30 PM - 11:35 PM	41.1	49.9	-8.8	7.0	-	37.1	47.1	-10.0
11:35 PM - 11:40 PM	44.5	49.0	-4.5	7.0	-	40.5	47.1	-6.6
11:40 PM - 11:45 PM	44.4	51.3	-6.9	7.0	-	40.4	46.4	-6.0
11:45 PM - 11:50 PM	45.3	52.6	-7.3	7.0	-	41.3	45.9	-4.6
11:50 PM - 11:55 PM	47.8	49.7	-1.9	7.0	-	43.8	46.7	-2.9
11:55 PM - 12:00 AM	50.7	59.2	-8.5	7.0	-	46.7	45.9	0.8
12:00 AM - 12:05 AM	53.2	54.8	-1.6	7.0	-	49.2	44.9	4.3
12:05 AM - 12:10 AM	51.9	51.6	0.3	7.0	-	47.9	44.6	3.3
12:10 AM - 12:15 AM	48.6	52.1	-3.5	7.0	-	44.6	45.7	-1.1
12:15 AM - 12:20 AM	47.8	51.6	-3.8	7.0	-	43.8	45.8	-2.0
12:20 AM - 12:25 AM	51.5	50.5	1.0	7.0	-	47.5	44.9	2.6

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Approved by

Wilawan Borirak  
Manager





## Analysis / Test Report

TESTING  
No.0042

Client : Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140

Lot ID: 23115912  
Date Received : Nov 03, 2023  
Date Reported : Nov 06, 2023  
Report Number : 2827133-1

P/O : RJN(2)-004/066  
Project Name : Pluak Daeng  
Project Location :

Page 2 of 3

Sample No. 23115912-8  
Parameter เสียงรบกวน  
Location บ้านพักอาศัย หมู่ 2 ซ.มาบยางพร 15 (N2) (GPS 47P0733642, 1434006)  
Measurement Date Oct 27 - 28, 2023  
Measurement by Saknarin Jaraskay  
Sound Level Meter 597167

### ระดับเสียง (dB(A))

เวลา	เสียงจาก แหล่งกำเนิด <sup>(A)</sup>	เสียงขณะ ไม่มีการรบกวน <sup>(B)</sup>	ผลต่าง ระดับเสียง <sup>(A-B)</sup>	ตัวปรับค่า <sup>(C)</sup>	ปรับค่าเสียงจากแหล่งกำเนิด <sup>(D)</sup>		เสียงพื้นฐาน <sup>(E)</sup>	ค่าระดับ การรบกวน <sup>(D-E)</sup>
					กลางวัน <sup>(A-C)</sup>	กลางคืน <sup>(A-C)+3</sup>		
12:25 AM - 12:30 AM	43.0	51.8	-8.8	7.0	-	39.0	44.8	-5.8
12:30 AM - 12:35 AM	43.9	47.2	-3.3	7.0	-	39.9	44.7	-4.8
12:35 AM - 12:40 AM	49.1	52.2	-3.1	7.0	-	45.1	44.2	0.9
12:40 AM - 12:45 AM	49.1	51.2	-2.1	7.0	-	45.1	43.3	1.8
12:45 AM - 12:50 AM	46.0	48.8	-2.8	7.0	-	42.0	43.2	-1.2
12:50 AM - 12:55 AM	55.0	53.3	1.7	4.5	-	53.5	42.8	10.7
12:55 AM - 01:00 AM	47.2	49.5	-2.3	7.0	-	43.2	42.6	0.6
01:00 AM - 01:05 AM	47.2	47.0	0.2	7.0	-	43.2	43.7	-0.5
01:05 AM - 01:10 AM	45.6	48.6	-3.0	7.0	-	41.6	44.5	-2.9
01:10 AM - 01:15 AM	51.7	50.3	1.4	7.0	-	47.7	44.9	2.8
01:15 AM - 01:20 AM	48.6	48.5	0.1	7.0	-	44.6	45.5	-0.9
01:20 AM - 01:25 AM	41.5	49.5	-8.0	7.0	-	37.5	46.0	-8.5
01:25 AM - 01:30 AM	44.8	48.5	-3.7	7.0	-	40.8	46.2	-5.4
01:30 AM - 01:35 AM	47.0	51.6	-4.6	7.0	-	43.0	44.6	-1.6
01:35 AM - 01:40 AM	45.8	49.0	-3.2	7.0	-	41.8	44.3	-2.5
01:40 AM - 01:45 AM	48.1	49.1	-1.0	7.0	-	44.1	43.9	0.2
01:45 AM - 01:50 AM	47.6	45.2	2.4	4.5	-	46.1	44.3	1.8
01:50 AM - 01:55 AM	47.6	56.9	-9.3	7.0	-	43.6	44.3	-0.7
01:55 AM - 02:00 AM	49.9	55.3	-5.4	7.0	-	45.9	44.7	1.2
02:00 AM - 02:05 AM	47.9	45.4	2.5	3.0	-	47.9	44.4	3.5
02:05 AM - 02:10 AM	47.2	47.6	-0.4	7.0	-	43.2	45.1	-1.9
02:10 AM - 02:15 AM	44.8	51.3	-6.5	7.0	-	40.8	44.8	-4.0
02:15 AM - 02:20 AM	44.3	46.2	-1.9	7.0	-	40.3	45.2	-4.9
02:20 AM - 02:25 AM	47.4	47.9	-0.5	7.0	-	43.4	44.3	-0.9
02:25 AM - 02:30 AM	45.0	46.7	-1.7	7.0	-	41.0	45.5	-4.5
02:30 AM - 02:35 AM	49.5	48.2	1.3	7.0	-	45.5	45.9	-0.4
02:35 AM - 02:40 AM	44.9	48.9	-4.0	7.0	-	40.9	45.8	-4.9
02:40 AM - 02:45 AM	47.3	47.2	0.1	7.0	-	43.3	45.6	-2.3
02:45 AM - 02:50 AM	43.4	47.2	-3.8	7.0	-	39.4	45.7	-6.3
02:50 AM - 02:55 AM	43.3	52.9	-9.6	7.0	-	39.3	43.1	-3.8
02:55 AM - 03:00 AM	45.5	45.8	-0.3	7.0	-	41.5	42.3	-0.8
03:00 AM - 03:05 AM	43.4	48.5	-5.1	7.0	-	39.4	42.5	-3.1
03:05 AM - 03:10 AM	42.5	46.1	-3.6	7.0	-	38.5	44.9	-6.4
03:10 AM - 03:15 AM	42.1	44.0	-1.9	7.0	-	38.1	42.6	-4.5
03:15 AM - 03:20 AM	47.5	44.7	2.8	3.0	-	47.5	43.2	4.3
03:20 AM - 03:25 AM	43.3	44.9	-1.6	7.0	-	39.3	43.7	-4.4
03:25 AM - 03:30 AM	43.5	45.4	-1.9	7.0	-	39.5	44.5	-5.0
03:30 AM - 03:35 AM	46.9	47.9	-1.0	7.0	-	42.9	44.3	-1.4
03:35 AM - 03:40 AM	45.7	57.4	-11.7	7.0	-	41.7	44.9	-3.2
03:40 AM - 03:45 AM	42.8	60.0	-17.2	7.0	-	38.8	52.5	-13.7

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Approved by

Wilawan Borirak  
Manager



## Analysis / Test Report

TESTING  
No.0042

Client : Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140

Lot ID: 23115912  
Date Received : Nov 03, 2023  
Date Reported : Nov 06, 2023  
Report Number : 2827133-1

P/O : RJN(2)-004/066  
Project Name : Pluak Daeng  
Project Location :

Page 3 of 3

Sample No. 23115912-8  
Parameter เสียงรบกวน  
Location บ้านพักอาศัย หมู่ 2 ซ. มานายางพร 15 (N2) (GPS 47P0733642, 1434006)  
Measurement Date Oct 27 - 28, 2023  
Measurement by Saknarin Jaraskay  
Sound Level Meter 597167

### ระดับเสียง (dB(A))

เวลา	เสียงจากแหล่งกำเนิด (A)	เสียงขณะไม่มีการรบกวน (B)	ผลต่างระดับเสียง (A-B)	ตัวปรับค่า (C)	ปรับค่าเสียงจากแหล่งกำเนิด (D)		เสียงพื้นฐาน (E)	ค่าระดับการรบกวน (D-E)
					กลางวัน (A-C)	กลางคืน (A-C)+3		
03:45 AM - 03:50 AM	50.7	56.6	-5.9	7.0	-	46.7	45.6	1.1
03:50 AM - 03:55 AM	47.9	52.4	-4.5	7.0	-	43.9	47.4	-3.5
03:55 AM - 04:00 AM	52.3	48.6	3.7	2.0	-	53.3	46.9	6.4
04:00 AM - 04:05 AM	55.6	52.7	2.9	3.0	-	55.6	47.5	8.1
04:05 AM - 04:10 AM	45.8	48.5	-2.7	7.0	-	41.8	44.5	-2.7
04:10 AM - 04:15 AM	52.3	49.9	2.4	4.5	-	50.8	46.0	4.8
04:15 AM - 04:20 AM	46.6	53.9	-7.3	7.0	-	42.6	46.5	-3.9
04:20 AM - 04:25 AM	51.2	53.6	-2.4	7.0	-	47.2	47.1	0.1
04:25 AM - 04:30 AM	49.6	53.8	-4.2	7.0	-	45.6	47.5	-1.9
04:30 AM - 04:35 AM	53.7	50.8	2.9	3.0	-	53.7	47.9	5.8
04:35 AM - 04:40 AM	53.3	52.2	1.1	7.0	-	49.3	48.6	0.7
04:40 AM - 04:45 AM	52.3	50.7	1.6	4.5	-	50.8	48.4	2.4
04:45 AM - 04:50 AM	49.6	55.2	-5.6	7.0	-	45.6	48.4	-2.8
04:50 AM - 04:55 AM	49.2	54.8	-5.6	7.0	-	45.2	48.2	-3.0
04:55 AM - 05:00 AM	49.1	53.7	-4.6	7.0	-	45.1	48.4	-3.3
05:00 AM - 05:05 AM	52.7	64.9	-12.2	7.0	-	48.7	49.0	-0.3
05:05 AM - 05:10 AM	55.0	52.6	2.4	4.5	-	53.5	48.9	4.6
05:10 AM - 05:15 AM	49.7	52.6	-2.9	7.0	-	45.7	49.2	-3.5
05:15 AM - 05:20 AM	53.1	53.9	-0.8	7.0	-	49.1	49.4	-0.3
05:20 AM - 05:25 AM	54.0	53.8	0.2	7.0	-	50.0	49.5	0.5
05:25 AM - 05:30 AM	51.2	55.0	-3.8	7.0	-	47.2	49.5	-2.3
05:30 AM - 05:35 AM	49.9	55.4	-5.5	7.0	-	45.9	49.8	-3.9
05:35 AM - 05:40 AM	55.2	55.3	-0.1	7.0	-	51.2	50.1	1.1
05:40 AM - 05:45 AM	51.3	54.8	-3.5	7.0	-	47.3	50.0	-2.7
05:45 AM - 05:50 AM	53.4	57.2	-3.8	7.0	-	49.4	50.4	-1.0
05:50 AM - 05:55 AM	53.3	56.4	-3.1	7.0	-	49.3	51.0	-1.7
05:55 AM - 06:00 AM	61.9	59.2	2.7	3.0	-	61.9	51.2	10.7
06:00 AM - 07:00 AM	59.9	61.7	-1.8	7.0	52.9	-	52.3	0.6
07:00 AM - 08:00 AM	62.5	64.5	-2.0	7.0	55.5	-	53.5	2.0
08:00 AM - 09:00 AM	62.2	61.2	1.0	7.0	55.2	-	49.6	5.6
09:00 AM - 10:00 AM	62.1	58.2	3.9	2.0	60.1	-	48.0	12.1
10:00 AM - 11:00 AM	62.1	59.7	2.4	4.5	57.6	-	48.3	9.3
ค่ามาตรฐาน								≤ 10

Reference Method :

- ISO 1996-1
- ประกาศกรมโรงงานอุตสาหกรรม เรื่อง วิธีการตรวจวัดระดับเสียงรบกวน ระดับเสียงเฉลี่ย 24 ชั่วโมง และระดับเสียงสูงสุดที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2553

มาตรฐาน

- ประกาศกระทรวงอุตสาหกรรม เรื่อง กำหนดค่าระดับเสียงการรบกวนและระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548
- ประกาศกระทรวงสาธารณสุข เรื่อง กำหนดค่ามาตรฐานมลพิษทางเสียงอันเกิดจากการประกอบกิจการที่เป็นอันตรายต่อสุขภาพ พ.ศ. 2561  
ระดับเสียงจากแหล่งกำเนิด ท่าอากาศยานสุวรรณภูมิ วันที่ 27-28 ตุลาคม 2566  
ระดับเสียงพื้นฐานและระดับเสียงขณะไม่มีการรบกวน (Sample No.23115913-8 วันที่ตรวจวัด 27-28 ตุลาคม 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.

Approved by

Wilawan Borirak  
Manager



## Analysis / Test Report

TESTING  
No.0042

Client : Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140

Lot ID: 23115912  
Date Received : Nov 03, 2023  
Date Reported : Nov 06, 2023  
Report Number : 2827134-1

P/O : RJN(2)-004/066  
Project Name : Pluak Daeng  
Project Location :

Page 1 of 3

Sample No. 23115912-9  
Parameter เสียงรบกวน  
Location บ้านพักอาศัย หมู่ 2 ช.มาบยางพร 15 (N2) (GPS 47P0733642, 1434006)  
Measurement Date Oct 28 - 29, 2023  
Measurement by Saknarin Jaraskay  
Sound Level Meter 597167

### ระดับเสียง (dB(A))

เวลา	เสียงจาก แหล่งกำเนิด <sup>(A)</sup>	เสียงขณะ ไม่มีการรบกวน <sup>(B)</sup>	ผลต่าง ระดับเสียง <sup>(A-B)</sup>	ตัวปรับค่า <sup>(C)</sup>	ปรับค่าเสียงจากแหล่งกำเนิด <sup>(B)</sup>		เสียงพื้นฐาน <sup>(E)</sup>	ค่าระดับ การรบกวน <sup>(D-E)</sup>
					กลางวัน <sup>(A-C)</sup>	กลางคืน <sup>(A-C)+3</sup>		
11:00 AM - 12:00 PM	63.9	61.4	2.5	3.0	60.9	-	47.7	13.2
12:00 PM - 01:00 PM	63.1	59.4	3.7	2.0	61.1	-	47.9	13.2
01:00 PM - 02:00 PM	64.1	58.5	5.6	1.5	62.6	-	45.2	17.4
02:00 PM - 03:00 PM	64.0	59.9	4.1	2.0	62.0	-	53.1	8.9
03:00 PM - 04:00 PM	63.5	63.5	0.0	7.0	56.5	-	56.2	0.3
04:00 PM - 05:00 PM	62.7	64.0	-1.3	7.0	55.7	-	55.4	0.3
05:00 PM - 06:00 PM	61.3	64.9	-3.6	7.0	54.3	-	57.9	-3.6
06:00 PM - 07:00 PM	58.1	62.5	-4.4	7.0	51.1	-	53.4	-2.3
07:00 PM - 08:00 PM	59.7	62.9	-3.2	7.0	52.7	-	54.7	-2.0
08:00 PM - 09:00 PM	57.9	60.0	-2.1	7.0	50.9	-	49.2	1.7
09:00 PM - 10:00 PM	52.2	57.3	-5.1	7.0	45.2	-	47.8	-2.6
10:00 PM - 10:05 PM	54.3	53.7	0.6	7.0	-	50.3	47.5	2.8
10:05 PM - 10:10 PM	51.3	53.1	-1.8	7.0	-	47.3	46.8	0.5
10:10 PM - 10:15 PM	51.6	56.1	-4.5	7.0	-	47.6	46.9	0.7
10:15 PM - 10:20 PM	51.2	56.3	-5.1	7.0	-	47.2	47.3	-0.1
10:20 PM - 10:25 PM	47.1	54.4	-7.3	7.0	-	43.1	47.5	-4.4
10:25 PM - 10:30 PM	48.4	54.4	-6.0	7.0	-	44.4	47.5	-3.1
10:30 PM - 10:35 PM	50.4	60.3	-9.9	7.0	-	46.4	47.7	-1.3
10:35 PM - 10:40 PM	49.9	53.1	-3.2	7.0	-	45.9	47.8	-1.9
10:40 PM - 10:45 PM	49.9	53.1	-3.2	7.0	-	45.9	48.1	-2.2
10:45 PM - 10:50 PM	45.4	53.1	-7.7	7.0	-	41.4	48.2	-6.8
10:50 PM - 10:55 PM	54.3	50.0	4.3	2.0	-	55.3	47.4	7.9
10:55 PM - 11:00 PM	43.9	53.4	-9.5	7.0	-	39.9	47.6	-7.7
11:00 PM - 11:05 PM	45.6	55.7	-10.1	7.0	-	41.6	47.4	-5.8
11:05 PM - 11:10 PM	47.6	51.0	-3.4	7.0	-	43.6	47.7	-4.1
11:10 PM - 11:15 PM	44.0	54.8	-10.8	7.0	-	40.0	47.8	-7.8
11:15 PM - 11:20 PM	48.5	49.0	-0.5	7.0	-	44.5	47.9	-3.4
11:20 PM - 11:25 PM	47.2	61.2	-14.0	7.0	-	43.2	47.3	-4.1
11:25 PM - 11:30 PM	42.8	50.7	-7.9	7.0	-	38.8	47.3	-8.5
11:30 PM - 11:35 PM	46.2	51.9	-5.7	7.0	-	42.2	46.9	-4.7
11:35 PM - 11:40 PM	44.8	54.4	-9.6	7.0	-	40.8	47.5	-6.7
11:40 PM - 11:45 PM	46.4	51.5	-5.1	7.0	-	42.4	47.8	-5.4
11:45 PM - 11:50 PM	40.5	49.3	-8.8	7.0	-	36.5	47.6	-11.1
11:50 PM - 11:55 PM	49.0	50.6	-1.6	7.0	-	45.0	47.5	-2.5
11:55 PM - 12:00 AM	41.5	53.5	-12.0	7.0	-	37.5	47.5	-10.0
12:00 AM - 12:05 AM	47.9	55.2	-7.3	7.0	-	43.9	46.8	-2.9
12:05 AM - 12:10 AM	47.1	52.1	-5.0	7.0	-	43.1	46.4	-3.3
12:10 AM - 12:15 AM	43.0	55.9	-12.9	7.0	-	39.0	46.5	-7.5
12:15 AM - 12:20 AM	38.3	54.3	-16.0	7.0	-	34.3	46.3	-12.0
12:20 AM - 12:25 AM	45.8	55.1	-9.3	7.0	-	41.8	45.8	-4.0

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

Approved by

Wilawan Borirak  
Manager



## Analysis / Test Report

TESTING  
No.0042

Client : Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140

Lot ID: 23115912  
Date Received : Nov 03, 2023  
Date Reported : Nov 06, 2023  
Report Number : 2827134-1

P/O : RJN(2)-004/066  
Project Name : Pluak Daeng  
Project Location :

Page 2 of 3

Sample No. 23115912-9  
Parameter เสียงรบกวน  
Location บ้านพักอาศัย หมู่ 2 ซ.มาบยางพร 15 (N2) (GPS 47P0733642, 1434006)  
Measurement Date Oct 28 - 29, 2023  
Measurement by Saknarin Jaraskay  
Sound Level Meter 597167

### ระดับเสียง (dB(A))

เวลา	เสียงจาก แหล่งกำเนิด <sup>(A)</sup>	เสียงขณะ ไม่มีการรบกวน <sup>(B)</sup>	ผลต่าง ระดับเสียง <sup>(A-B)</sup>	ตัวปรับค่า <sup>(C)</sup>	ปรับค่าเสียงจากแหล่งกำเนิด <sup>(D)</sup>		เสียงพื้นฐาน <sup>(E)</sup>	ค่าระดับ การรบกวน <sup>(D-E)</sup>
					กลางวัน <sup>(A-C)</sup>	กลางคืน <sup>(A-C)+3</sup>		
12:25 AM - 12:30 AM	42.4	53.2	-10.8	7.0	-	38.4	46.2	-7.8
12:30 AM - 12:35 AM	46.3	48.5	-2.2	7.0	-	42.3	45.7	-3.4
12:35 AM - 12:40 AM	49.8	52.2	-2.4	7.0	-	45.8	45.1	0.7
12:40 AM - 12:45 AM	40.6	49.5	-8.9	7.0	-	36.6	45.3	-8.7
12:45 AM - 12:50 AM	40.9	52.8	-11.9	7.0	-	36.9	45.0	-8.1
12:50 AM - 12:55 AM	49.0	52.1	-3.1	7.0	-	45.0	44.9	0.1
12:55 AM - 01:00 AM	46.3	54.4	-8.1	7.0	-	42.3	44.2	-1.9
01:00 AM - 01:05 AM	40.0	51.2	-11.2	7.0	-	36.0	44.0	-8.0
01:05 AM - 01:10 AM	40.7	45.1	-4.4	7.0	-	36.7	44.2	-7.5
01:10 AM - 01:15 AM	48.8	51.7	-2.9	7.0	-	44.8	43.7	1.1
01:15 AM - 01:20 AM	45.8	54.5	-8.7	7.0	-	41.8	43.9	-2.1
01:20 AM - 01:25 AM	40.5	51.7	-11.2	7.0	-	36.5	44.0	-7.5
01:25 AM - 01:30 AM	52.0	52.0	0.0	7.0	-	48.0	44.5	3.5
01:30 AM - 01:35 AM	48.1	58.7	-10.6	7.0	-	44.1	45.4	-1.3
01:35 AM - 01:40 AM	42.0	53.6	-11.6	7.0	-	38.0	44.8	-6.8
01:40 AM - 01:45 AM	48.6	52.1	-3.5	7.0	-	44.6	45.6	-1.0
01:45 AM - 01:50 AM	46.9	52.5	-5.6	7.0	-	42.9	44.9	-2.0
01:50 AM - 01:55 AM	39.5	48.4	-8.9	7.0	-	35.5	45.4	-9.9
01:55 AM - 02:00 AM	46.9	51.7	-4.8	7.0	-	42.9	45.3	-2.4
02:00 AM - 02:05 AM	39.8	55.3	-15.5	7.0	-	35.8	44.4	-8.6
02:05 AM - 02:10 AM	40.0	44.8	-4.8	7.0	-	36.0	42.6	-6.6
02:10 AM - 02:15 AM	40.1	45.7	-5.6	7.0	-	36.1	43.8	-7.7
02:15 AM - 02:20 AM	38.3	48.9	-10.6	7.0	-	34.3	43.7	-9.4
02:20 AM - 02:25 AM	35.4	51.2	-15.8	7.0	-	31.4	43.0	-11.6
02:25 AM - 02:30 AM	51.8	48.0	3.8	2.0	-	52.8	42.9	9.9
02:30 AM - 02:35 AM	39.7	49.1	-9.4	7.0	-	35.7	45.2	-9.5
02:35 AM - 02:40 AM	41.0	50.1	-9.1	7.0	-	37.0	44.2	-7.2
02:40 AM - 02:45 AM	34.2	45.9	-11.7	7.0	-	30.2	43.1	-12.9
02:45 AM - 02:50 AM	43.1	49.6	-6.5	7.0	-	39.1	42.4	-3.3
02:50 AM - 02:55 AM	34.9	45.1	-10.2	7.0	-	30.9	43.6	-12.7
02:55 AM - 03:00 AM	41.8	48.7	-6.9	7.0	-	37.8	44.4	-6.6
03:00 AM - 03:05 AM	49.1	49.5	-0.4	7.0	-	45.1	44.9	0.2
03:05 AM - 03:10 AM	40.3	49.4	-9.1	7.0	-	36.3	45.2	-8.9
03:10 AM - 03:15 AM	38.0	49.6	-11.6	7.0	-	34.0	44.7	-10.7
03:15 AM - 03:20 AM	45.3	46.9	-1.6	7.0	-	41.3	44.8	-3.5
03:20 AM - 03:25 AM	42.2	53.3	-11.1	7.0	-	38.2	45.3	-7.1
03:25 AM - 03:30 AM	37.8	45.3	-7.5	7.0	-	33.8	44.0	-10.2
03:30 AM - 03:35 AM	37.6	45.5	-7.9	7.0	-	33.6	44.3	-10.7
03:35 AM - 03:40 AM	43.2	51.1	-7.9	7.0	-	39.2	44.7	-5.5
03:40 AM - 03:45 AM	45.8	49.7	-3.9	7.0	-	41.8	45.6	-3.8

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Wilawan Borirak  
Manager



## Analysis / Test Report

TESTING  
No.0042

Client : Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140

Lot ID: 23115912  
Date Received : Nov 03, 2023  
Date Reported : Nov 06, 2023  
Report Number : 2827134-1

P/O : RJN(2)-004/066  
Project Name : Pluak Daeng  
Project Location :

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Sample No. 23115912-9  
Parameter เสียงรบกวน  
Location บ้านพักอาศัย หมู่ 2 ซ. มานายางพร 15 (N2) (GPS 47P0733642, 1434006)  
Measurement Date Oct 28 - 29, 2023  
Measurement by Saknarin Jaraskay  
Sound Level Meter 597167

### ระดับเสียง (dB(A))

เวลา	เสียงจากแหล่งกำเนิด (A)	เสียงขณะไม่มีการรบกวน (B)	ผลต่างระดับเสียง (A-B)	ตัวปรับค่า (C)	ปรับค่าเสียงจากแหล่งกำเนิด (D)		เสียงพื้นฐาน (E)	ค่าระดับการรบกวน (D-E)
					กลางวัน (A-C)	กลางคืน (A-C)+3		
03:45 AM - 03:50 AM	44.4	51.1	-6.7	7.0	-	40.4	46.0	-5.6
03:50 AM - 03:55 AM	37.9	52.2	-14.3	7.0	-	33.9	46.1	-12.2
03:55 AM - 04:00 AM	46.7	47.0	-0.3	7.0	-	42.7	45.7	-3.0
04:00 AM - 04:05 AM	36.4	49.4	-13.0	7.0	-	32.4	46.4	-14.0
04:05 AM - 04:10 AM	41.9	50.7	-8.8	7.0	-	37.9	45.9	-8.0
04:10 AM - 04:15 AM	36.4	52.9	-16.5	7.0	-	32.4	46.4	-14.0
04:15 AM - 04:20 AM	41.7	50.0	-8.3	7.0	-	37.7	46.8	-9.1
04:20 AM - 04:25 AM	50.9	55.1	-4.2	7.0	-	46.9	46.5	0.4
04:25 AM - 04:30 AM	47.2	53.6	-6.4	7.0	-	43.2	47.4	-4.2
04:30 AM - 04:35 AM	48.6	49.6	-1.0	7.0	-	44.6	47.5	-2.9
04:35 AM - 04:40 AM	52.1	52.3	-0.2	7.0	-	48.1	48.0	0.1
04:40 AM - 04:45 AM	41.2	50.7	-9.5	7.0	-	37.2	47.9	-10.7
04:45 AM - 04:50 AM	54.6	54.4	0.2	7.0	-	50.6	47.5	3.1
04:50 AM - 04:55 AM	48.6	54.5	-5.9	7.0	-	44.6	47.8	-3.2
04:55 AM - 05:00 AM	44.9	53.3	-8.4	7.0	-	40.9	48.3	-7.4
05:00 AM - 05:05 AM	54.0	61.4	-7.4	7.0	-	50.0	49.3	0.7
05:05 AM - 05:10 AM	52.6	60.9	-8.3	7.0	-	48.6	49.7	-1.1
05:10 AM - 05:15 AM	53.1	55.1	-2.0	7.0	-	49.1	47.7	1.4
05:15 AM - 05:20 AM	49.2	55.6	-6.4	7.0	-	45.2	48.3	-3.1
05:20 AM - 05:25 AM	52.0	53.3	-1.3	7.0	-	48.0	48.1	-0.1
05:25 AM - 05:30 AM	51.8	58.5	-6.7	7.0	-	47.8	48.5	-0.7
05:30 AM - 05:35 AM	52.2	54.6	-2.4	7.0	-	48.2	48.8	-0.6
05:35 AM - 05:40 AM	52.5	56.0	-3.5	7.0	-	48.5	49.4	-0.9
05:40 AM - 05:45 AM	53.9	54.9	-1.0	7.0	-	49.9	48.9	1.0
05:45 AM - 05:50 AM	55.0	55.5	-0.5	7.0	-	51.0	49.0	2.0
05:50 AM - 05:55 AM	52.4	60.0	-7.6	7.0	-	48.4	49.9	-1.5
05:55 AM - 06:00 AM	54.5	54.5	0.0	7.0	-	50.5	49.6	0.9
06:00 AM - 07:00 AM	60.5	59.3	1.2	7.0	53.5	-	50.3	3.2
07:00 AM - 08:00 AM	62.2	61.7	0.5	7.0	55.2	-	51.2	4.0
08:00 AM - 09:00 AM	61.1	60.1	1.0	7.0	54.1	-	49.2	4.9
09:00 AM - 10:00 AM	61.9	58.6	3.3	3.0	58.9	-	47.4	11.5
10:00 AM - 11:00 AM	60.4	58.7	1.7	4.5	55.9	-	46.0	9.9
ค่ามาตรฐาน								≤ 10

Reference Method :

- ISO 1996-1
- ประกาศกรมโรงงานอุตสาหกรรม เรื่อง วิธีการตรวจวัดระดับเสียงรบกวน ระดับเสียงเฉลี่ย 24 ชั่วโมง และระดับเสียงสูงสุดที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2553

มาตรฐาน

- ประกาศกระทรวงอุตสาหกรรม เรื่อง กำหนดค่าระดับเสียงการรบกวนและระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548
- ประกาศกระทรวงสาธารณสุข เรื่อง กำหนดค่ามาตรฐานมลพิษทางเสียงอันเกิดจากการประกอบกิจการที่เป็นอันตรายต่อสุขภาพ พ.ศ. 2561  
ระดับเสียงจากแหล่งกำเนิด ท่าอากาศยานสุวรรณภูมิ วันที่ 28-29 ตุลาคม 2566  
ระดับเสียงพื้นฐานและระดับเสียงขณะไม่มีการรบกวน (Sample No.23115913-9 วันที่ตรวจวัด 28-29 ตุลาคม 2566)

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Approved by

Wilawan Borirak  
Manager



## Analysis / Test Report

TESTING  
No.0042

Client : Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140

Lot ID: 23115912  
Date Received : Nov 03, 2023  
Date Reported : Nov 06, 2023  
Report Number : 2827135-1

P/O : RJN(2)-004/066  
Project Name : Pluak Daeng  
Project Location :

Page 1 of 3

Sample No. 23115912-10  
Parameter เสียงรบกวน  
Location บ้านพักอาศัย หมู่ 2 ช.มาบยางพร 15 (N2) (GPS 47P0733642, 1434006)  
Measurement Date Oct 29 - 30, 2023  
Measurement by Saknarin Jaraskay  
Sound Level Meter 597167

### ระดับเสียง (dB(A))

เวลา	เสียงจาก แหล่งกำเนิด (A)	เสียงขณะ ไม่มีการรบกวน (B)	ผลต่าง ระดับเสียง (A-B)	ตัวปรับค่า (C)	ปรับค่าเสียงจากแหล่งกำเนิด (B)		เสียงพื้นฐาน (E)	ค่าระดับ การรบกวน (D-E)
					กลางวัน (A-C)	กลางคืน (A-C)+3		
11:00 AM - 12:00 PM	58.6	60.4	-1.8	7.0	51.6	-	46.0	5.6
12:00 PM - 01:00 PM	61.2	58.5	2.7	3.0	58.2	-	48.2	10.0
01:00 PM - 02:00 PM	61.6	65.3	-3.7	7.0	54.6	-	58.2	-3.6
02:00 PM - 03:00 PM	60.7	61.4	-0.7	7.0	53.7	-	50.4	3.3
03:00 PM - 04:00 PM	56.9	60.2	-3.3	7.0	49.9	-	50.3	-0.4
04:00 PM - 05:00 PM	57.4	61.7	-4.3	7.0	50.4	-	51.9	-1.5
05:00 PM - 06:00 PM	61.3	64.2	-2.9	7.0	54.3	-	54.4	-0.1
06:00 PM - 07:00 PM	59.1	61.2	-2.1	7.0	52.1	-	52.0	0.1
07:00 PM - 08:00 PM	60.1	59.4	0.7	7.0	53.1	-	52.0	1.1
08:00 PM - 09:00 PM	59.0	59.2	-0.2	7.0	52.0	-	52.3	-0.3
09:00 PM - 10:00 PM	55.0	58.8	-3.8	7.0	48.0	-	46.6	1.4
10:00 PM - 10:05 PM	51.5	54.3	-2.8	7.0	-	47.5	47.4	0.1
10:05 PM - 10:10 PM	53.8	51.0	2.8	3.0	-	53.8	46.9	6.9
10:10 PM - 10:15 PM	61.5	51.6	9.9	0.5	-	64.0	47.8	16.2
10:15 PM - 10:20 PM	51.1	56.8	-5.7	7.0	-	47.1	49.0	-1.9
10:20 PM - 10:25 PM	50.8	56.0	-5.2	7.0	-	46.8	48.8	-2.0
10:25 PM - 10:30 PM	50.2	55.0	-4.8	7.0	-	46.2	48.0	-1.8
10:30 PM - 10:35 PM	47.2	55.3	-8.1	7.0	-	43.2	47.7	-4.5
10:35 PM - 10:40 PM	44.0	60.9	-16.9	7.0	-	40.0	47.3	-7.3
10:40 PM - 10:45 PM	51.9	54.0	-2.1	7.0	-	47.9	46.4	1.5
10:45 PM - 10:50 PM	48.1	51.8	-3.7	7.0	-	44.1	46.7	-2.6
10:50 PM - 10:55 PM	44.6	56.9	-12.3	7.0	-	40.6	48.0	-7.4
10:55 PM - 11:00 PM	40.6	56.1	-15.5	7.0	-	36.6	47.5	-10.9
11:00 PM - 11:05 PM	44.7	50.0	-5.3	7.0	-	40.7	46.8	-6.1
11:05 PM - 11:10 PM	47.4	49.7	-2.3	7.0	-	43.4	46.7	-3.3
11:10 PM - 11:15 PM	49.3	50.4	-1.1	7.0	-	45.3	46.9	-1.6
11:15 PM - 11:20 PM	53.8	51.7	2.1	4.5	-	52.3	47.2	5.1
11:20 PM - 11:25 PM	44.4	50.5	-6.1	7.0	-	40.4	47.9	-7.5
11:25 PM - 11:30 PM	55.3	53.6	1.7	4.5	-	53.8	47.8	6.0
11:30 PM - 11:35 PM	41.9	53.8	-11.9	7.0	-	37.9	47.7	-9.8
11:35 PM - 11:40 PM	45.3	50.6	-5.3	7.0	-	41.3	47.1	-5.8
11:40 PM - 11:45 PM	45.2	48.2	-3.0	7.0	-	41.2	46.6	-5.4
11:45 PM - 11:50 PM	46.1	50.4	-4.3	7.0	-	42.1	46.8	-4.7
11:50 PM - 11:55 PM	48.6	47.0	1.6	4.5	-	47.1	45.7	1.4
11:55 PM - 12:00 AM	51.5	58.5	-7.0	7.0	-	47.5	45.9	1.6
12:00 AM - 12:05 AM	54.0	50.3	3.7	2.0	-	55.0	46.0	9.0
12:05 AM - 12:10 AM	52.7	52.6	0.1	7.0	-	48.7	45.8	2.9
12:10 AM - 12:15 AM	49.4	52.3	-2.9	7.0	-	45.4	46.1	-0.7
12:15 AM - 12:20 AM	48.6	51.1	-2.5	7.0	-	44.6	46.4	-1.8
12:20 AM - 12:25 AM	52.3	49.3	3.0	3.0	-	52.3	45.6	6.7

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Approved by

Wilawan Borirak  
Manager





## Analysis / Test Report

TESTING  
No.0042

Client : Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140

Lot ID: 23115912  
Date Received : Nov 03, 2023  
Date Reported : Nov 06, 2023  
Report Number : 2827135-1

P/O : RJN(2)-004/066  
Project Name : Pluak Daeng  
Project Location :

Page 2 of 3

Sample No. 23115912-10  
Parameter เสียงรบกวน  
Location บ้านพักอาศัย หมู่ 2 ซ.มาบยางพร 15 (N2) (GPS 47P0733642, 1434006)  
Measurement Date Oct 29 - 30, 2023  
Measurement by Saknarin Jaraskay  
Sound Level Meter 597167

### ระดับเสียง (dB(A))

เวลา	เสียงจาก แหล่งกำเนิด <sup>(A)</sup>	เสียงขณะ ไม่มีการรบกวน <sup>(B)</sup>	ผลต่าง ระดับเสียง <sup>(A-B)</sup>	ตัวปรับค่า <sup>(C)</sup>	ปรับค่าเสียงจากแหล่งกำเนิด <sup>(D)</sup>		เสียงพื้นฐาน <sup>(E)</sup>	ค่าระดับ การรบกวน <sup>(D-E)</sup>
					กลางวัน <sup>(A-C)</sup>	กลางคืน <sup>(A-C)+3</sup>		
12:25 AM - 12:30 AM	43.8	48.5	-4.7	7.0	-	39.8	45.4	-5.6
12:30 AM - 12:35 AM	44.7	55.7	-11.0	7.0	-	40.7	45.7	-5.0
12:35 AM - 12:40 AM	49.9	48.8	1.1	7.0	-	45.9	45.6	0.3
12:40 AM - 12:45 AM	49.9	51.5	-1.6	7.0	-	45.9	46.3	-0.4
12:45 AM - 12:50 AM	46.8	49.1	-2.3	7.0	-	42.8	47.1	-4.3
12:50 AM - 12:55 AM	55.8	56.7	-0.9	7.0	-	51.8	46.9	4.9
12:55 AM - 01:00 AM	48.0	50.3	-2.3	7.0	-	44.0	46.5	-2.5
01:00 AM - 01:05 AM	48.0	50.9	-2.9	7.0	-	44.0	46.5	-2.5
01:05 AM - 01:10 AM	46.4	47.6	-1.2	7.0	-	42.4	46.1	-3.7
01:10 AM - 01:15 AM	52.5	51.8	0.7	7.0	-	48.5	46.4	2.1
01:15 AM - 01:20 AM	49.4	49.1	0.3	7.0	-	45.4	46.1	-0.7
01:20 AM - 01:25 AM	42.3	48.8	-6.5	7.0	-	38.3	46.4	-8.1
01:25 AM - 01:30 AM	45.6	47.8	-2.2	7.0	-	41.6	46.3	-4.7
01:30 AM - 01:35 AM	47.8	48.3	-0.5	7.0	-	43.8	46.7	-2.9
01:35 AM - 01:40 AM	46.6	49.5	-2.9	7.0	-	42.6	47.1	-4.5
01:40 AM - 01:45 AM	48.9	48.4	0.5	7.0	-	44.9	46.8	-1.9
01:45 AM - 01:50 AM	48.4	52.8	-4.4	7.0	-	44.4	46.7	-2.3
01:50 AM - 01:55 AM	48.4	54.4	-6.0	7.0	-	44.4	46.7	-2.3
01:55 AM - 02:00 AM	50.7	50.0	0.7	7.0	-	46.7	47.0	-0.3
02:00 AM - 02:05 AM	48.7	51.9	-3.2	7.0	-	44.7	46.5	-1.8
02:05 AM - 02:10 AM	48.0	52.2	-4.2	7.0	-	44.0	46.7	-2.7
02:10 AM - 02:15 AM	45.6	50.6	-5.0	7.0	-	41.6	46.9	-5.3
02:15 AM - 02:20 AM	45.1	47.9	-2.8	7.0	-	41.1	46.3	-5.2
02:20 AM - 02:25 AM	48.2	48.4	-0.2	7.0	-	44.2	46.8	-2.6
02:25 AM - 02:30 AM	45.8	47.9	-2.1	7.0	-	41.8	46.3	-4.5
02:30 AM - 02:35 AM	50.3	50.1	0.2	7.0	-	46.3	46.6	-0.3
02:35 AM - 02:40 AM	45.7	48.5	-2.8	7.0	-	41.7	46.6	-4.9
02:40 AM - 02:45 AM	48.1	52.7	-4.6	7.0	-	44.1	46.8	-2.7
02:45 AM - 02:50 AM	44.2	49.9	-5.7	7.0	-	40.2	47.0	-6.8
02:50 AM - 02:55 AM	44.1	49.5	-5.4	7.0	-	40.1	46.8	-6.7
02:55 AM - 03:00 AM	46.3	48.4	-2.1	7.0	-	42.3	45.8	-3.5
03:00 AM - 03:05 AM	44.2	48.5	-4.3	7.0	-	40.2	46.4	-6.2
03:05 AM - 03:10 AM	43.3	48.3	-5.0	7.0	-	39.3	46.3	-7.0
03:10 AM - 03:15 AM	42.9	49.6	-6.7	7.0	-	38.9	46.2	-7.3
03:15 AM - 03:20 AM	48.3	50.5	-2.2	7.0	-	44.3	46.8	-2.5
03:20 AM - 03:25 AM	44.1	52.5	-8.4	7.0	-	40.1	47.0	-6.9
03:25 AM - 03:30 AM	44.3	51.7	-7.4	7.0	-	40.3	47.1	-6.8
03:30 AM - 03:35 AM	47.7	51.7	-4.0	7.0	-	43.7	47.4	-3.7
03:35 AM - 03:40 AM	46.5	55.0	-8.5	7.0	-	42.5	47.1	-4.6
03:40 AM - 03:45 AM	43.6	51.3	-7.7	7.0	-	39.6	47.1	-7.5

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Approved by

*Wilawan Borirak*

Wilawan Borirak  
Manager





## Analysis / Test Report

TESTING  
No.0042

Client : Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140

Lot ID: 23115912  
Date Received : Nov 03, 2023  
Date Reported : Nov 06, 2023  
Report Number : 2827135-1

P/O : RJN(2)-004/066  
Project Name : Pluak Daeng  
Project Location :

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Sample No. 23115912-10  
Parameter เสียงรบกวน  
Location บ้านพักอาศัย หมู่ 2 ซ.มาบยางพร 15 (N2) (GPS 47P0733642, 1434006)  
Measurement Date Oct 29 - 30, 2023  
Measurement by Saknarin Jaraskay  
Sound Level Meter 597167

### ระดับเสียง (dB(A))

เวลา	เสียงจากแหล่งกำเนิด (A)	เสียงขณะไม่มีการรบกวน (B)	ผลต่างระดับเสียง (A-B)	ตัวปรับค่า (C)	ปรับค่าเสียงจากแหล่งกำเนิด (D)		เสียงพื้นฐาน (E)	ค่าระดับการรบกวน (D-E)
					กลางวัน (A-C)	กลางคืน (A-C)+3		
03:45 AM - 03:50 AM	51.5	52.6	-1.1	7.0	-	47.5	47.1	0.4
03:50 AM - 03:55 AM	48.7	49.8	-1.1	7.0	-	44.7	48.0	-3.3
03:55 AM - 04:00 AM	53.1	51.5	1.6	4.5	-	51.6	48.3	3.3
04:00 AM - 04:05 AM	56.4	52.5	3.9	2.0	-	57.4	48.3	9.1
04:05 AM - 04:10 AM	46.6	53.8	-7.2	7.0	-	42.6	48.4	-5.8
04:10 AM - 04:15 AM	53.1	51.8	1.3	7.0	-	49.1	49.0	0.1
04:15 AM - 04:20 AM	47.4	53.6	-6.2	7.0	-	43.4	48.8	-5.4
04:20 AM - 04:25 AM	52.0	50.6	1.4	7.0	-	48.0	49.2	-1.2
04:25 AM - 04:30 AM	50.4	54.3	-3.9	7.0	-	46.4	48.3	-1.9
04:30 AM - 04:35 AM	54.5	54.5	0.0	7.0	-	50.5	49.4	1.1
04:35 AM - 04:40 AM	54.1	51.9	2.2	4.5	-	52.6	49.9	2.7
04:40 AM - 04:45 AM	53.1	54.4	-1.3	7.0	-	49.1	50.5	-1.4
04:45 AM - 04:50 AM	50.4	52.5	-2.1	7.0	-	46.4	50.1	-3.7
04:50 AM - 04:55 AM	50.0	55.1	-5.1	7.0	-	46.0	49.9	-3.9
04:55 AM - 05:00 AM	49.9	52.6	-2.7	7.0	-	45.9	49.8	-3.9
05:00 AM - 05:05 AM	53.5	53.2	0.3	7.0	-	49.5	50.6	-1.1
05:05 AM - 05:10 AM	55.8	52.4	3.4	3.0	-	55.8	50.0	5.8
05:10 AM - 05:15 AM	50.5	51.7	-1.2	7.0	-	46.5	49.6	-3.1
05:15 AM - 05:20 AM	53.9	55.8	-1.9	7.0	-	49.9	49.9	0.0
05:20 AM - 05:25 AM	54.8	52.5	2.3	4.5	-	53.3	49.7	3.6
05:25 AM - 05:30 AM	52.0	60.5	-8.5	7.0	-	48.0	50.0	-2.0
05:30 AM - 05:35 AM	50.7	57.6	-6.9	7.0	-	46.7	50.5	-3.8
05:35 AM - 05:40 AM	56.0	56.6	-0.6	7.0	-	52.0	50.1	1.9
05:40 AM - 05:45 AM	52.1	54.7	-2.6	7.0	-	48.1	50.6	-2.5
05:45 AM - 05:50 AM	54.2	56.7	-2.5	7.0	-	50.2	51.6	-1.4
05:50 AM - 05:55 AM	54.1	60.8	-6.7	7.0	-	50.1	52.4	-2.3
05:55 AM - 06:00 AM	62.7	58.7	4.0	2.0	-	63.7	52.7	11.0
06:00 AM - 07:00 AM	60.7	63.0	-2.3	7.0	53.7	-	53.7	0.0
07:00 AM - 08:00 AM	63.1	65.3	-2.2	7.0	56.1	-	55.1	1.0
08:00 AM - 09:00 AM	62.8	61.5	1.3	7.0	55.8	-	49.5	6.3
09:00 AM - 10:00 AM	62.7	58.1	4.6	1.5	61.2	-	47.1	14.1
10:00 AM - 11:00 AM	62.7	58.3	4.4	2.0	60.7	-	44.2	16.5
ค่ามาตรฐาน								≤ 10

#### Reference Method :

- ISO 1996-1
- ประกาศกรมโรงงานอุตสาหกรรม เรื่อง วิธีการตรวจวัดระดับเสียงรบกวน ระดับเสียงเฉลี่ย 24 ชั่วโมง และระดับเสียงสูงสุดที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2553

#### มาตรฐาน

- ประกาศกระทรวงอุตสาหกรรม เรื่อง กำหนดค่าระดับเสียงการรบกวนและระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548
- ประกาศกระทรวงสาธารณสุข เรื่อง กำหนดค่ามาตรฐานมลพิษทางเสียงอันเกิดจากการประกอบกิจการที่เป็นอันตรายต่อสุขภาพ พ.ศ. 2561  
ระดับเสียงจากแหล่งกำเนิด ท่าอากาศยานสุวรรณภูมิ วันที่ 29-30 ตุลาคม 2566  
ระดับเสียงพื้นฐานและระดับเสียงขณะไม่มีการรบกวน (Sample No.23115913-10 วันที่ตรวจวัด 29-30 ตุลาคม 2566)

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Approved by

Wilawan Borirak  
Manager



## Analysis / Test Report

TESTING  
No.0042

Client : Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140

Lot ID: 23115912  
Date Received : Nov 03, 2023  
Date Reported : Nov 06, 2023  
Report Number : 2827136-1

P/O : RJN(2)-004/066  
Project Name : Pluak Daeng  
Project Location :

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Sample No. 23115912-11  
Parameter เสียงรบกวน  
Location บ้านพักอาศัย หมู่ 2 ช.มาบยางพร 15 (N2) (GPS 47P0733642, 1434006)  
Measurement Date Oct 30 - 31, 2023  
Measurement by Saknarin Jaraskay  
Sound Level Meter 597167

### ระดับเสียง (dB(A))

เวลา	เสียงจาก แหล่งกำเนิด <sup>(A)</sup>	เสียงขณะ ไม่มีการรบกวน <sup>(B)</sup>	ผลต่าง ระดับเสียง <sup>(A-B)</sup>	ตัวปรับค่า <sup>(C)</sup>	ปรับค่าเสียงจากแหล่งกำเนิด <sup>(B)</sup>		เสียงพื้นฐาน <sup>(E)</sup>	ค่าระดับ การรบกวน <sup>(D-E)</sup>
					กลางวัน <sup>(A-C)</sup>	กลางคืน <sup>(A-C)+3</sup>		
11:00 AM - 12:00 PM	64.5	58.4	6.1	1.5	63.0	-	43.4	19.6
12:00 PM - 01:00 PM	63.7	60.9	2.8	3.0	60.7	-	45.5	15.2
01:00 PM - 02:00 PM	64.7	60.7	4.0	2.0	62.7	-	46.6	16.1
02:00 PM - 03:00 PM	64.6	62.8	1.8	4.5	60.1	-	57.2	2.9
03:00 PM - 04:00 PM	64.1	61.2	2.9	3.0	61.1	-	50.4	10.7
04:00 PM - 05:00 PM	63.3	61.6	1.7	4.5	58.8	-	53.3	5.5
05:00 PM - 06:00 PM	61.9	64.6	-2.7	7.0	54.9	-	57.9	-3.0
06:00 PM - 07:00 PM	58.7	63.9	-5.2	7.0	51.7	-	57.4	-5.7
07:00 PM - 08:00 PM	60.9	63.7	-2.8	7.0	53.9	-	55.3	-1.4
08:00 PM - 09:00 PM	59.1	61.9	-2.8	7.0	52.1	-	53.3	-1.2
09:00 PM - 10:00 PM	53.4	56.8	-3.4	7.0	46.4	-	50.2	-3.8
10:00 PM - 10:05 PM	55.5	56.1	-0.6	7.0	-	51.5	51.7	-0.2
10:05 PM - 10:10 PM	52.5	58.6	-6.1	7.0	-	48.5	51.8	-3.3
10:10 PM - 10:15 PM	52.8	55.3	-2.5	7.0	-	48.8	50.3	-1.5
10:15 PM - 10:20 PM	52.4	53.4	-1.0	7.0	-	48.4	48.9	-0.5
10:20 PM - 10:25 PM	48.3	51.3	-3.0	7.0	-	44.3	49.2	-4.9
10:25 PM - 10:30 PM	49.6	54.2	-4.6	7.0	-	45.6	51.2	-5.6
10:30 PM - 10:35 PM	51.6	54.6	-3.0	7.0	-	47.6	51.0	-3.4
10:35 PM - 10:40 PM	51.1	53.8	-2.7	7.0	-	47.1	50.9	-3.8
10:40 PM - 10:45 PM	51.1	53.9	-2.8	7.0	-	47.1	50.9	-3.8
10:45 PM - 10:50 PM	46.6	56.6	-10.0	7.0	-	42.6	50.9	-8.3
10:50 PM - 10:55 PM	55.5	56.2	-0.7	7.0	-	51.5	50.4	1.1
10:55 PM - 11:00 PM	45.1	52.1	-7.0	7.0	-	41.1	49.4	-8.3
11:00 PM - 11:05 PM	46.8	52.0	-5.2	7.0	-	42.8	49.4	-6.6
11:05 PM - 11:10 PM	48.8	52.5	-3.7	7.0	-	44.8	49.9	-5.1
11:10 PM - 11:15 PM	45.2	53.4	-8.2	7.0	-	41.2	50.2	-9.0
11:15 PM - 11:20 PM	49.7	52.5	-2.8	7.0	-	45.7	49.0	-3.3
11:20 PM - 11:25 PM	48.4	55.6	-7.2	7.0	-	44.4	46.5	-2.1
11:25 PM - 11:30 PM	44.0	52.8	-8.8	7.0	-	40.0	47.0	-7.0
11:30 PM - 11:35 PM	47.4	50.8	-3.4	7.0	-	43.4	47.6	-4.2
11:35 PM - 11:40 PM	46.0	51.7	-5.7	7.0	-	42.0	47.7	-5.7
11:40 PM - 11:45 PM	47.6	59.3	-11.7	7.0	-	43.6	48.8	-5.2
11:45 PM - 11:50 PM	41.7	50.3	-8.6	7.0	-	37.7	46.5	-8.8
11:50 PM - 11:55 PM	50.2	47.8	2.4	4.5	-	48.7	46.3	2.4
11:55 PM - 12:00 AM	42.7	50.9	-8.2	7.0	-	38.7	46.5	-7.8
12:00 AM - 12:05 AM	49.1	53.1	-4.0	7.0	-	45.1	48.2	-3.1
12:05 AM - 12:10 AM	48.3	58.0	-9.7	7.0	-	44.3	48.5	-4.2
12:10 AM - 12:15 AM	44.2	58.1	-13.9	7.0	-	40.2	49.0	-8.8
12:15 AM - 12:20 AM	39.5	50.1	-10.6	7.0	-	35.5	47.1	-11.6
12:20 AM - 12:25 AM	47.0	50.2	-3.2	7.0	-	43.0	47.0	-4.0

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Approved by

Wilawan Borirak  
Manager



## Analysis / Test Report

TESTING  
No.0042

Client : Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140

Lot ID: 23115912  
Date Received : Nov 03, 2023  
Date Reported : Nov 06, 2023  
Report Number : 2827136-1

P/O : RJN(2)-004/066  
Project Name : Pluak Daeng  
Project Location :

Page 2 of 3

Sample No. 23115912-11  
Parameter เสียงรบกวน  
Location บ้านพักอาศัย หมู่ 2 ซ.มาบยางพร 15 (N2) (GPS 47P0733642, 1434006)  
Measurement Date Oct 30 - 31, 2023  
Measurement by Saknarin Jaraskay  
Sound Level Meter 597167

### ระดับเสียง (dB(A))

เวลา	เสียงจาก แหล่งกำเนิด (A)	เสียงขณะ ไม่มีการรบกวน (B)	ผลต่าง ระดับเสียง (A-B)	ตัวปรับค่า (C)	ปรับค่าเสียงจากแหล่งกำเนิด (D)		เสียงพื้นฐาน (E)	ค่าระดับ การรบกวน (D-E)
					กลางวัน (A-C)	กลางคืน (A-C)+3		
12:25 AM - 12:30 AM	43.6	49.1	-5.5	7.0	-	39.6	46.8	-7.2
12:30 AM - 12:35 AM	47.5	56.8	-9.3	7.0	-	43.5	47.9	-4.4
12:35 AM - 12:40 AM	51.0	51.4	-0.4	7.0	-	47.0	48.8	-1.8
12:40 AM - 12:45 AM	41.8	51.7	-9.9	7.0	-	37.8	49.4	-11.6
12:45 AM - 12:50 AM	42.1	53.1	-11.0	7.0	-	38.1	49.4	-11.3
12:50 AM - 12:55 AM	50.2	54.5	-4.3	7.0	-	46.2	48.8	-2.6
12:55 AM - 01:00 AM	47.5	54.7	-7.2	7.0	-	43.5	48.2	-4.7
01:00 AM - 01:05 AM	41.2	49.4	-8.2	7.0	-	37.2	48.0	-10.8
01:05 AM - 01:10 AM	41.9	50.1	-8.2	7.0	-	37.9	47.3	-9.4
01:10 AM - 01:15 AM	50.0	50.5	-0.5	7.0	-	46.0	48.1	-2.1
01:15 AM - 01:20 AM	47.0	52.4	-5.4	7.0	-	43.0	47.9	-4.9
01:20 AM - 01:25 AM	41.7	50.2	-8.5	7.0	-	37.7	47.6	-9.9
01:25 AM - 01:30 AM	53.2	56.7	-3.5	7.0	-	49.2	48.1	1.1
01:30 AM - 01:35 AM	49.3	48.8	0.5	7.0	-	45.3	47.2	-1.9
01:35 AM - 01:40 AM	43.2	49.0	-5.8	7.0	-	39.2	47.6	-8.4
01:40 AM - 01:45 AM	49.8	48.3	1.5	4.5	-	48.3	46.9	1.4
01:45 AM - 01:50 AM	48.1	48.5	-0.4	7.0	-	44.1	46.4	-2.3
01:50 AM - 01:55 AM	40.7	47.4	-6.7	7.0	-	36.7	46.2	-9.5
01:55 AM - 02:00 AM	48.1	47.6	0.5	7.0	-	44.1	45.8	-1.7
02:00 AM - 02:05 AM	41.0	46.6	-5.6	7.0	-	37.0	45.2	-8.2
02:05 AM - 02:10 AM	41.2	54.7	-13.5	7.0	-	37.2	45.8	-8.6
02:10 AM - 02:15 AM	41.3	55.3	-14.0	7.0	-	37.3	45.0	-7.7
02:15 AM - 02:20 AM	39.5	55.1	-15.6	7.0	-	35.5	45.6	-10.1
02:20 AM - 02:25 AM	36.6	57.7	-21.1	7.0	-	32.6	45.6	-13.0
02:25 AM - 02:30 AM	53.0	60.9	-7.9	7.0	-	49.0	45.3	3.7
02:30 AM - 02:35 AM	40.9	45.5	-4.6	7.0	-	36.9	44.6	-7.7
02:35 AM - 02:40 AM	42.2	52.9	-10.7	7.0	-	38.2	45.2	-7.0
02:40 AM - 02:45 AM	35.4	64.0	-28.6	7.0	-	31.4	45.7	-14.3
02:45 AM - 02:50 AM	44.3	68.4	-24.1	7.0	-	40.3	45.3	-5.0
02:50 AM - 02:55 AM	36.1	60.7	-24.6	7.0	-	32.1	45.8	-13.7
02:55 AM - 03:00 AM	43.0	47.5	-4.5	7.0	-	39.0	45.5	-6.5
03:00 AM - 03:05 AM	50.3	59.1	-8.8	7.0	-	46.3	46.5	-0.2
03:05 AM - 03:10 AM	41.5	55.8	-14.3	7.0	-	37.5	45.9	-8.4
03:10 AM - 03:15 AM	39.2	51.5	-12.3	7.0	-	35.2	46.5	-11.3
03:15 AM - 03:20 AM	46.5	47.6	-1.1	7.0	-	42.5	45.8	-3.3
03:20 AM - 03:25 AM	43.4	48.2	-4.8	7.0	-	39.4	45.8	-6.4
03:25 AM - 03:30 AM	39.0	49.6	-10.6	7.0	-	35.0	46.4	-11.4
03:30 AM - 03:35 AM	38.8	48.9	-10.1	7.0	-	34.8	47.0	-12.2
03:35 AM - 03:40 AM	44.4	51.1	-6.7	7.0	-	40.4	47.2	-6.8
03:40 AM - 03:45 AM	47.0	52.6	-5.6	7.0	-	43.0	47.4	-4.4

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Approved by

Wilawan Borirak  
Manager



## Analysis / Test Report

TESTING  
No.0042

Client : Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140

Lot ID: 23115912  
Date Received : Nov 03, 2023  
Date Reported : Nov 06, 2023  
Report Number : 2827136-1

P/O : RJN(2)-004/066  
Project Name : Pluak Daeng  
Project Location :

Page 3 of 3

Sample No. 23115912-11  
Parameter เสียงรบกวน  
Location บ้านพักอาศัย หมู่ 2 ซ. มานายางพร 15 (N2) (GPS 47P0733642, 1434006)  
Measurement Date Oct 30 - 31, 2023  
Measurement by Saknarin Jaraskay  
Sound Level Meter 597167

### ระดับเสียง (dB(A))

ระดับเสียง (dB(A))								
เวลา	(A) เสียงจากแหล่งกำเนิด	(B) เสียงขณะไม่มีการรบกวน	(A-B) ผลต่างระดับเสียง	(C) ตัวปรับค่า	(D) ปรับค่าเสียงจากแหล่งกำเนิด		(E) เสียงพื้นฐาน	(D-E) ค่าระดับการรบกวน
					(A-C) กลางวัน	(A-C)+3 กลางคืน		
03:45 AM - 03:50 AM	45.6	49.5	-3.9	7.0	-	41.6	46.7	-5.1
03:50 AM - 03:55 AM	39.1	47.8	-8.7	7.0	-	35.1	46.4	-11.3
03:55 AM - 04:00 AM	47.9	53.5	-5.6	7.0	-	43.9	46.8	-2.9
04:00 AM - 04:05 AM	37.6	50.7	-13.1	7.0	-	33.6	46.8	-13.2
04:05 AM - 04:10 AM	43.1	49.9	-6.8	7.0	-	39.1	47.3	-8.2
04:10 AM - 04:15 AM	37.6	51.0	-13.4	7.0	-	33.6	47.8	-14.2
04:15 AM - 04:20 AM	42.9	55.8	-12.9	7.0	-	38.9	47.7	-8.8
04:20 AM - 04:25 AM	52.1	51.4	0.7	7.0	-	48.1	47.6	0.5
04:25 AM - 04:30 AM	48.4	51.2	-2.8	7.0	-	44.4	48.2	-3.8
04:30 AM - 04:35 AM	49.8	56.3	-6.5	7.0	-	45.8	48.8	-3.0
04:35 AM - 04:40 AM	53.3	54.1	-0.8	7.0	-	49.3	49.3	0.0
04:40 AM - 04:45 AM	42.4	51.9	-9.5	7.0	-	38.4	49.4	-11.0
04:45 AM - 04:50 AM	55.8	53.7	2.1	4.5	-	54.3	49.2	5.1
04:50 AM - 04:55 AM	49.8	54.1	-4.3	7.0	-	45.8	49.2	-3.4
04:55 AM - 05:00 AM	46.1	53.3	-7.2	7.0	-	42.1	49.3	-7.2
05:00 AM - 05:05 AM	55.2	64.1	-8.9	7.0	-	51.2	50.3	0.9
05:05 AM - 05:10 AM	53.8	59.6	-5.8	7.0	-	49.8	50.1	-0.3
05:10 AM - 05:15 AM	54.3	57.2	-2.9	7.0	-	50.3	50.4	-0.1
05:15 AM - 05:20 AM	50.4	56.5	-6.1	7.0	-	46.4	50.1	-3.7
05:20 AM - 05:25 AM	53.2	55.1	-1.9	7.0	-	49.2	50.8	-1.6
05:25 AM - 05:30 AM	53.0	54.6	-1.6	7.0	-	49.0	50.9	-1.9
05:30 AM - 05:35 AM	53.4	57.9	-4.5	7.0	-	49.4	51.3	-1.9
05:35 AM - 05:40 AM	53.7	57.4	-3.7	7.0	-	49.7	51.6	-1.9
05:40 AM - 05:45 AM	55.1	55.5	-0.4	7.0	-	51.1	51.5	-0.4
05:45 AM - 05:50 AM	56.2	58.8	-2.6	7.0	-	52.2	52.9	-0.7
05:50 AM - 05:55 AM	53.6	58.9	-5.3	7.0	-	49.6	53.9	-4.3
05:55 AM - 06:00 AM	55.7	59.5	-3.8	7.0	-	51.7	55.8	-4.1
06:00 AM - 07:00 AM	61.7	62.3	-0.6	7.0	54.7	-	55.8	-1.1
07:00 AM - 08:00 AM	63.4	65.2	-1.8	7.0	56.4	-	55.7	0.7
08:00 AM - 09:00 AM	62.3	63.2	-0.9	7.0	55.3	-	52.8	2.5
09:00 AM - 10:00 AM	63.2	61.2	2.0	4.5	58.7	-	50.2	8.5
10:00 AM - 11:00 AM	61.7	61.0	0.7	7.0	54.7	-	50.8	3.9
ค่ามาตรฐาน								≤ 10

#### Reference Method :

- ISO 1996-1
- ประกาศกรมโรงงานอุตสาหกรรม เรื่อง วิธีการตรวจวัดระดับเสียงรบกวน ระดับเสียงเฉลี่ย 24 ชั่วโมง และระดับเสียงสูงสุดที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2553

#### มาตรฐาน

- ประกาศกระทรวงอุตสาหกรรม เรื่อง กำหนดค่าระดับเสียงการรบกวนและระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548
- ประกาศกระทรวงสาธารณสุข เรื่อง กำหนดค่ามาตรฐานมลพิษทางเสียงอันเกิดจากการประกอบกิจการที่เป็นอันตรายต่อสุขภาพ พ.ศ. 2561  
ระดับเสียงจากแหล่งกำเนิด ท่าอากาศยานสุวรรณภูมิ วันที่ 30-31 ตุลาคม 2566  
ระดับเสียงพื้นฐานและระดับเสียงขณะไม่มีการรบกวน (Sample No.23115913-11 วันที่ตรวจวัด 30-31 ตุลาคม 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.

Approved by

Wilawan Borirak  
Manager



## Analysis / Test Report

TESTING  
No.0042

Client : Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140

Lot ID: 23115912  
Date Received : Nov 03, 2023  
Date Reported : Nov 06, 2023  
Report Number : 2827137-1

P/O : RJN(2)-004/066  
Project Name : Pluak Daeng  
Project Location :

Page 1 of 3

Sample No. 23115912-12  
Parameter เสียงรบกวน  
Location บ้านพักอาศัย หมู่ 2 ซ.มาบยางพร 15 (N2) (GPS 47P0733642, 1434006)  
Measurement Date Oct 31 - Nov 01, 2023  
Measurement by Saknarin Jaraskay  
Sound Level Meter 597167

### ระดับเสียง (dB(A))

เวลา	เสียงจาก แหล่งกำเนิด <sup>(A)</sup>	เสียงขณะ ไม่มีการรบกวน <sup>(B)</sup>	ผลต่าง ระดับเสียง <sup>(A-B)</sup>	ตัวปรับค่า <sup>(C)</sup>	ปรับค่าเสียงจากแหล่งกำเนิด <sup>(B)</sup>		เสียงพื้นฐาน <sup>(E)</sup>	ค่าระดับ การรบกวน <sup>(D-E)</sup>
					กลางวัน <sup>(A-C)</sup>	กลางคืน <sup>(A-C)+3</sup>		
11:00 AM - 12:00 PM	60.0	59.4	0.6	7.0	53.0	-	51.6	1.4
12:00 PM - 01:00 PM	62.6	60.7	1.9	4.5	58.1	-	52.0	6.1
01:00 PM - 02:00 PM	63.0	58.5	4.5	1.5	61.5	-	50.3	11.2
02:00 PM - 03:00 PM	62.1	58.1	4.0	2.0	60.1	-	49.1	11.0
03:00 PM - 04:00 PM	58.3	58.8	-0.5	7.0	51.3	-	49.8	1.5
04:00 PM - 05:00 PM	58.8	59.6	-0.8	7.0	51.8	-	52.2	-0.4
05:00 PM - 06:00 PM	62.7	62.9	-0.2	7.0	55.7	-	51.6	4.1
06:00 PM - 07:00 PM	60.5	60.3	0.2	7.0	53.5	-	50.1	3.4
07:00 PM - 08:00 PM	61.5	62.1	-0.6	7.0	54.5	-	50.9	3.6
08:00 PM - 09:00 PM	60.4	60.5	-0.1	7.0	53.4	-	50.2	3.2
09:00 PM - 10:00 PM	56.4	56.3	0.1	7.0	49.4	-	47.9	1.5
10:00 PM - 10:05 PM	52.9	57.8	-4.9	7.0	-	48.9	47.3	1.6
10:05 PM - 10:10 PM	55.2	55.9	-0.7	7.0	-	51.2	47.1	4.1
10:10 PM - 10:15 PM	62.9	50.9	12.0	0.5	-	65.4	47.8	17.6
10:15 PM - 10:20 PM	52.5	55.4	-2.9	7.0	-	48.5	47.4	1.1
10:20 PM - 10:25 PM	52.2	53.8	-1.6	7.0	-	48.2	47.9	0.3
10:25 PM - 10:30 PM	51.6	57.9	-6.3	7.0	-	47.6	49.3	-1.7
10:30 PM - 10:35 PM	48.6	56.8	-8.2	7.0	-	44.6	49.1	-4.5
10:35 PM - 10:40 PM	45.4	55.5	-10.1	7.0	-	41.4	48.9	-7.5
10:40 PM - 10:45 PM	53.3	58.7	-5.4	7.0	-	49.3	48.7	0.6
10:45 PM - 10:50 PM	49.5	53.4	-3.9	7.0	-	45.5	48.0	-2.5
10:50 PM - 10:55 PM	46.0	56.0	-10.0	7.0	-	42.0	48.0	-6.0
10:55 PM - 11:00 PM	42.0	65.1	-23.1	7.0	-	38.0	47.8	-9.8
11:00 PM - 11:05 PM	46.1	54.6	-8.5	7.0	-	42.1	49.3	-7.2
11:05 PM - 11:10 PM	48.8	56.3	-7.5	7.0	-	44.8	48.9	-4.1
11:10 PM - 11:15 PM	50.7	54.5	-3.8	7.0	-	46.7	49.1	-2.4
11:15 PM - 11:20 PM	55.2	53.0	2.2	4.5	-	53.7	49.6	4.1
11:20 PM - 11:25 PM	45.8	51.8	-6.0	7.0	-	41.8	49.5	-7.7
11:25 PM - 11:30 PM	56.7	52.5	4.2	2.0	-	57.7	48.8	8.9
11:30 PM - 11:35 PM	43.3	50.6	-7.3	7.0	-	39.3	48.5	-9.2
11:35 PM - 11:40 PM	46.7	50.5	-3.8	7.0	-	42.7	47.6	-4.9
11:40 PM - 11:45 PM	46.6	49.1	-2.5	7.0	-	42.6	47.1	-4.5
11:45 PM - 11:50 PM	47.5	51.6	-4.1	7.0	-	43.5	48.3	-4.8
11:50 PM - 11:55 PM	50.0	57.1	-7.1	7.0	-	46.0	47.6	-1.6
11:55 PM - 12:00 AM	52.9	53.2	-0.3	7.0	-	48.9	48.0	0.9
12:00 AM - 12:05 AM	55.4	53.7	1.7	4.5	-	53.9	47.7	6.2
12:05 AM - 12:10 AM	54.1	51.1	3.0	3.0	-	54.1	48.8	5.3
12:10 AM - 12:15 AM	50.8	58.8	-8.0	7.0	-	46.8	48.8	-2.0
12:15 AM - 12:20 AM	50.0	53.8	-3.8	7.0	-	46.0	48.4	-2.4
12:20 AM - 12:25 AM	53.7	62.1	-8.4	7.0	-	49.7	48.9	0.8

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Approved by

Wilawan Borirak  
Manager



## Analysis / Test Report

TESTING  
No.0042

Client : Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140

Lot ID: 23115912  
Date Received : Nov 03, 2023  
Date Reported : Nov 06, 2023  
Report Number : 2827137-1

P/O : RJN(2)-004/066  
Project Name : Pluak Daeng  
Project Location :

Page 2 of 3

Sample No. 23115912-12  
Parameter เสียงรบกวน  
Location บ้านพักอาศัย หมู่ 2 ซ.มาบยางพร 15 (N2) (GPS 47P0733642, 1434006)  
Measurement Date Oct 31 - Nov 01, 2023  
Measurement by Saknarin Jaraskay  
Sound Level Meter 597167

### ระดับเสียง (dB(A))

เวลา	เสียงจาก แหล่งกำเนิด (A)	เสียงขณะ ไม่มีการรบกวน (B)	ผลต่าง ระดับเสียง (A-B)	ตัวปรับค่า (C)	ปรับค่าเสียงจากแหล่งกำเนิด (D)		เสียงพื้นฐาน (E)	ค่าระดับ การรบกวน (D-E)
					กลางวัน (A-C)	กลางคืน (A-C)+3		
12:25 AM - 12:30 AM	45.2	52.4	-7.2	7.0	-	41.2	48.0	-6.8
12:30 AM - 12:35 AM	46.1	52.0	-5.9	7.0	-	42.1	48.4	-6.3
12:35 AM - 12:40 AM	51.3	52.6	-1.3	7.0	-	47.3	48.6	-1.3
12:40 AM - 12:45 AM	51.3	52.8	-1.5	7.0	-	47.3	47.6	-0.3
12:45 AM - 12:50 AM	48.2	52.4	-4.2	7.0	-	44.2	47.1	-2.9
12:50 AM - 12:55 AM	57.2	49.5	7.7	0.5	-	59.7	46.9	12.8
12:55 AM - 01:00 AM	49.4	53.0	-3.6	7.0	-	45.4	46.9	-1.5
01:00 AM - 01:05 AM	49.4	50.5	-1.1	7.0	-	45.4	45.3	0.1
01:05 AM - 01:10 AM	47.8	52.2	-4.4	7.0	-	43.8	46.1	-2.3
01:10 AM - 01:15 AM	53.9	52.6	1.3	7.0	-	49.9	46.8	3.1
01:15 AM - 01:20 AM	50.8	50.3	0.5	7.0	-	46.8	45.5	1.3
01:20 AM - 01:25 AM	43.7	50.7	-7.0	7.0	-	39.7	45.8	-6.1
01:25 AM - 01:30 AM	47.0	46.7	0.3	7.0	-	43.0	45.0	-2.0
01:30 AM - 01:35 AM	49.2	56.4	-7.2	7.0	-	45.2	44.7	0.5
01:35 AM - 01:40 AM	48.0	55.4	-7.4	7.0	-	44.0	45.0	-1.0
01:40 AM - 01:45 AM	50.3	50.2	0.1	7.0	-	46.3	45.2	1.1
01:45 AM - 01:50 AM	49.8	47.0	2.8	3.0	-	49.8	46.0	3.8
01:50 AM - 01:55 AM	49.8	51.8	-2.0	7.0	-	45.8	46.1	-0.3
01:55 AM - 02:00 AM	52.1	47.9	4.2	2.0	-	53.1	46.8	6.3
02:00 AM - 02:05 AM	50.1	48.7	1.4	7.0	-	46.1	47.5	-1.4
02:05 AM - 02:10 AM	49.4	49.0	0.4	7.0	-	45.4	46.7	-1.3
02:10 AM - 02:15 AM	47.0	47.6	-0.6	7.0	-	43.0	46.3	-3.3
02:15 AM - 02:20 AM	46.5	46.3	0.2	7.0	-	42.5	44.8	-2.3
02:20 AM - 02:25 AM	49.6	46.6	3.0	3.0	-	49.6	44.4	5.2
02:25 AM - 02:30 AM	47.2	46.6	0.6	7.0	-	43.2	44.0	-0.8
02:30 AM - 02:35 AM	51.7	49.1	2.6	3.0	-	51.7	43.9	7.8
02:35 AM - 02:40 AM	47.1	47.6	-0.5	7.0	-	43.1	43.8	-0.7
02:40 AM - 02:45 AM	49.5	52.9	-3.4	7.0	-	45.5	43.7	1.8
02:45 AM - 02:50 AM	45.6	47.8	-2.2	7.0	-	41.6	43.8	-2.2
02:50 AM - 02:55 AM	45.5	52.1	-6.6	7.0	-	41.5	43.8	-2.3
02:55 AM - 03:00 AM	47.7	56.9	-9.2	7.0	-	43.7	43.4	0.3
03:00 AM - 03:05 AM	45.6	50.6	-5.0	7.0	-	41.6	43.1	-1.5
03:05 AM - 03:10 AM	44.7	46.7	-2.0	7.0	-	40.7	43.5	-2.8
03:10 AM - 03:15 AM	44.3	47.7	-3.4	7.0	-	40.3	44.0	-3.7
03:15 AM - 03:20 AM	49.7	45.1	4.6	1.5	-	51.2	44.0	7.2
03:20 AM - 03:25 AM	45.5	55.9	-10.4	7.0	-	41.5	44.0	-2.5
03:25 AM - 03:30 AM	45.7	48.5	-2.8	7.0	-	41.7	43.5	-1.8
03:30 AM - 03:35 AM	49.1	53.6	-4.5	7.0	-	45.1	44.6	0.5
03:35 AM - 03:40 AM	47.9	50.5	-2.6	7.0	-	43.9	45.1	-1.2
03:40 AM - 03:45 AM	45.0	46.8	-1.8	7.0	-	41.0	45.0	-4.0

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Approved by

Wilawan Borirak  
Manager





## Analysis / Test Report

TESTING  
No.0042

Client : Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140

Lot ID: 23115912  
Date Received : Nov 03, 2023  
Date Reported : Nov 06, 2023  
Report Number : 2827137-1

P/O : RJN(2)-004/066  
Project Name : Pluak Daeng  
Project Location :

Page 3 of 3

Sample No. 23115912-12  
Parameter เสียงรบกวน  
Location บ้านพักอาศัย หมู่ 2 ซ. มานายางพร 15 (N2) (GPS 47P0733642, 1434006)  
Measurement Date Oct 31 - Nov 01, 2023  
Measurement by Saknarin Jaraskay  
Sound Level Meter 597167

### ระดับเสียง (dB(A))

เวลา	เสียงจากแหล่งกำเนิด (A)	เสียงขณะไม่มีการรบกวน (B)	ผลต่างระดับเสียง (A-B)	ตัวปรับค่า (C)	ปรับค่าเสียงจากแหล่งกำเนิด (D)		เสียงพื้นฐาน (E)	ค่าระดับการรบกวน (D-E)
					กลางวัน (A-C)	กลางคืน (A-C)+3		
03:45 AM - 03:50 AM	52.9	50.8	2.1	4.5	-	51.4	45.1	6.3
03:50 AM - 03:55 AM	50.1	48.6	1.5	4.5	-	48.6	44.9	3.7
03:55 AM - 04:00 AM	54.5	48.8	5.7	1.5	-	56.0	45.2	10.8
04:00 AM - 04:05 AM	57.8	53.7	4.1	2.0	-	58.8	45.3	13.5
04:05 AM - 04:10 AM	48.0	51.9	-3.9	7.0	-	44.0	45.8	-1.8
04:10 AM - 04:15 AM	54.5	50.8	3.7	2.0	-	55.5	45.8	9.7
04:15 AM - 04:20 AM	48.8	54.0	-5.2	7.0	-	44.8	46.1	-1.3
04:20 AM - 04:25 AM	53.4	50.2	3.2	3.0	-	53.4	47.3	6.1
04:25 AM - 04:30 AM	51.8	51.7	0.1	7.0	-	47.8	47.3	0.5
04:30 AM - 04:35 AM	55.9	55.0	0.9	7.0	-	51.9	47.2	4.7
04:35 AM - 04:40 AM	55.5	52.3	3.2	3.0	-	55.5	47.7	7.8
04:40 AM - 04:45 AM	54.5	60.9	-6.4	7.0	-	50.5	48.0	2.5
04:45 AM - 04:50 AM	51.8	51.9	-0.1	7.0	-	47.8	48.4	-0.6
04:50 AM - 04:55 AM	51.4	53.1	-1.7	7.0	-	47.4	49.5	-2.1
04:55 AM - 05:00 AM	51.3	52.0	-0.7	7.0	-	47.3	49.4	-2.1
05:00 AM - 05:05 AM	54.9	64.7	-9.8	7.0	-	50.9	50.2	0.7
05:05 AM - 05:10 AM	57.2	55.6	1.6	4.5	-	55.7	50.0	5.7
05:10 AM - 05:15 AM	51.9	53.7	-1.8	7.0	-	47.9	50.0	-2.1
05:15 AM - 05:20 AM	55.3	54.3	1.0	7.0	-	51.3	50.5	0.8
05:20 AM - 05:25 AM	56.2	55.3	0.9	7.0	-	52.2	50.7	1.5
05:25 AM - 05:30 AM	53.4	57.0	-3.6	7.0	-	49.4	51.0	-1.6
05:30 AM - 05:35 AM	52.1	56.6	-4.5	7.0	-	48.1	50.6	-2.5
05:35 AM - 05:40 AM	57.4	57.7	-0.3	7.0	-	53.4	51.3	2.1
05:40 AM - 05:45 AM	53.5	57.4	-3.9	7.0	-	49.5	50.8	-1.3
05:45 AM - 05:50 AM	55.6	60.0	-4.4	7.0	-	51.6	50.8	0.8
05:50 AM - 05:55 AM	55.5	60.0	-4.5	7.0	-	51.5	51.2	0.3
05:55 AM - 06:00 AM	64.1	59.6	4.5	1.5	-	65.6	53.8	11.8
06:00 AM - 07:00 AM	62.1	63.2	-1.1	7.0	55.1	-	54.4	0.7
07:00 AM - 08:00 AM	64.5	65.5	-1.0	7.0	57.5	-	55.0	2.5
08:00 AM - 09:00 AM	64.2	61.1	3.1	3.0	61.2	-	52.5	8.7
09:00 AM - 10:00 AM	64.1	58.5	5.6	1.5	62.6	-	51.8	10.8
10:00 AM - 11:00 AM	64.1	57.9	6.2	1.5	62.6	-	48.4	14.2
ค่ามาตรฐาน								≤ 10

#### Reference Method :

- ISO 1996-1
- ประกาศกรมโรงงานอุตสาหกรรม เรื่อง วิธีการตรวจวัดระดับเสียงรบกวน ระดับเสียงเฉลี่ย 24 ชั่วโมง และระดับเสียงสูงสุดที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2553

#### มาตรฐาน

- ประกาศกระทรวงอุตสาหกรรม เรื่อง กำหนดค่าระดับเสียงการรบกวนและระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548
- ประกาศกระทรวงสาธารณสุข เรื่อง กำหนดค่ามาตรฐานมลพิษทางเสียงอันเกิดจากการประกอบกิจการที่เป็นอันตรายต่อสุขภาพ พ.ศ. 2561  
ระดับเสียงจากแหล่งกำเนิด ท่าอากาศยาน วันที่ 31 ตุลาคม-01 พฤศจิกายน 2566  
ระดับเสียงพื้นฐานและระดับเสียงขณะไม่มีการรบกวน (Sample No.23115913-12 วันที่ตรวจวัด 31 ตุลาคม-01 พฤศจิกายน 2566)

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Approved by

Wilawan Borirak  
Manager





## Analysis / Test Report

TESTING  
No.0042

Client : Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140

Lot ID: 23115912  
Date Received : Nov 03, 2023  
Date Reported : Nov 06, 2023  
Report Number : 2827138-1

P/O : RJN(2)-004/066  
Project Name : Pluak Daeng  
Project Location :

Page 1 of 3

Sample No. 23115912-13  
Parameter เสียงรบกวน  
Location บ้านพักอาศัย หมู่ 2 ช.มาบยางพร 15 (N2) (GPS 47P0733642, 1434006)  
Measurement Date Nov 01 - 02, 2023  
Measurement by Saknarin Jaraskay  
Sound Level Meter 597167

### ระดับเสียง (dB(A))

เวลา	เสียงจาก แหล่งกำเนิด <sup>(A)</sup>	เสียงขณะ ไม่มีการรบกวน <sup>(B)</sup>	ผลต่าง ระดับเสียง <sup>(A-B)</sup>	ตัวปรับค่า <sup>(C)</sup>	ปรับค่าเสียงจากแหล่งกำเนิด <sup>(B)</sup>		เสียงพื้นฐาน <sup>(E)</sup>	ค่าระดับ การรบกวน <sup>(D-E)</sup>
					กลางวัน <sup>(A-C)</sup>	กลางคืน <sup>(A-C)+3</sup>		
11:00 AM - 12:00 PM	65.9	62.0	3.9	2.0	63.9	-	48.4	15.5
12:00 PM - 01:00 PM	65.1	62.1	3.0	3.0	62.1	-	49.3	12.8
01:00 PM - 02:00 PM	66.1	63.8	2.3	4.5	61.6	-	47.1	14.5
02:00 PM - 03:00 PM	66.0	64.0	2.0	4.5	61.5	-	48.5	13.0
03:00 PM - 04:00 PM	65.5	58.7	6.8	1.0	64.5	-	48.3	16.2
04:00 PM - 05:00 PM	64.7	58.9	5.8	1.5	63.2	-	49.0	14.2
05:00 PM - 06:00 PM	63.3	62.4	0.9	7.0	56.3	-	51.2	5.1
06:00 PM - 07:00 PM	60.1	60.5	-0.4	7.0	53.1	-	51.3	1.8
07:00 PM - 08:00 PM	62.3	61.1	1.2	7.0	55.3	-	49.7	5.6
08:00 PM - 09:00 PM	60.5	60.2	0.3	7.0	53.5	-	49.4	4.1
09:00 PM - 10:00 PM	54.8	56.3	-1.5	7.0	47.8	-	47.4	0.4
10:00 PM - 10:05 PM	56.9	53.8	3.1	3.0	-	56.9	46.9	10.0
10:05 PM - 10:10 PM	53.9	61.5	-7.6	7.0	-	49.9	45.6	4.3
10:10 PM - 10:15 PM	54.2	59.8	-5.6	7.0	-	50.2	45.3	4.9
10:15 PM - 10:20 PM	53.8	53.5	0.3	7.0	-	49.8	45.4	4.4
10:20 PM - 10:25 PM	49.7	53.6	-3.9	7.0	-	45.7	45.2	0.5
10:25 PM - 10:30 PM	51.0	52.6	-1.6	7.0	-	47.0	45.2	1.8
10:30 PM - 10:35 PM	53.0	50.5	2.5	3.0	-	53.0	45.6	7.4
10:35 PM - 10:40 PM	52.5	48.1	4.4	2.0	-	53.5	45.3	8.2
10:40 PM - 10:45 PM	52.5	54.3	-1.8	7.0	-	48.5	44.7	3.8
10:45 PM - 10:50 PM	48.0	50.4	-2.4	7.0	-	44.0	44.2	-0.2
10:50 PM - 10:55 PM	56.9	47.6	9.3	0.5	-	59.4	44.3	15.1
10:55 PM - 11:00 PM	46.5	46.2	0.3	7.0	-	42.5	44.9	-2.4
11:00 PM - 11:05 PM	48.2	48.9	-0.7	7.0	-	44.2	45.5	-1.3
11:05 PM - 11:10 PM	50.2	50.8	-0.6	7.0	-	46.2	45.6	0.6
11:10 PM - 11:15 PM	46.6	56.2	-9.6	7.0	-	42.6	46.1	-3.5
11:15 PM - 11:20 PM	51.1	49.1	2.0	4.5	-	49.6	45.8	3.8
11:20 PM - 11:25 PM	49.8	48.0	1.8	4.5	-	48.3	45.7	2.6
11:25 PM - 11:30 PM	45.4	54.7	-9.3	7.0	-	41.4	45.7	-4.3
11:30 PM - 11:35 PM	48.8	45.9	2.9	3.0	-	48.8	45.1	3.7
11:35 PM - 11:40 PM	47.4	48.2	-0.8	7.0	-	43.4	44.9	-1.5
11:40 PM - 11:45 PM	49.0	48.0	1.0	7.0	-	45.0	45.1	-0.1
11:45 PM - 11:50 PM	43.1	48.2	-5.1	7.0	-	39.1	45.0	-5.9
11:50 PM - 11:55 PM	51.6	51.3	0.3	7.0	-	47.6	45.2	2.4
11:55 PM - 12:00 AM	44.1	53.9	-9.8	7.0	-	40.1	45.5	-5.4
12:00 AM - 12:05 AM	50.5	56.9	-6.4	7.0	-	46.5	45.8	0.7
12:05 AM - 12:10 AM	49.7	49.3	0.4	7.0	-	45.7	45.3	0.4
12:10 AM - 12:15 AM	45.6	51.4	-5.8	7.0	-	41.6	45.2	-3.6
12:15 AM - 12:20 AM	40.9	50.1	-9.2	7.0	-	36.9	44.8	-7.9
12:20 AM - 12:25 AM	48.4	54.8	-6.4	7.0	-	44.4	45.1	-0.7

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Approved by

Wilawan Borirak  
Manager



## Analysis / Test Report

TESTING  
No.0042

Client : Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140

Lot ID: 23115912  
Date Received : Nov 03, 2023  
Date Reported : Nov 06, 2023  
Report Number : 2827138-1

P/O : RJN(2)-004/066  
Project Name : Pluak Daeng  
Project Location :

Page 2 of 3

Sample No. 23115912-13  
Parameter เสียงรบกวน  
Location บ้านพักอาศัย หมู่ 2 ซ.มาบยางพร 15 (N2) (GPS 47P0733642, 1434006)  
Measurement Date Nov 01 - 02, 2023  
Measurement by Saknarin Jaraskay  
Sound Level Meter 597167

### ระดับเสียง (dB(A))

เวลา	เสียงจาก แหล่งกำเนิด (A)	เสียงขณะ ไม่มีการรบกวน (B)	ผลต่าง ระดับเสียง (A-B)	ตัวปรับค่า (C)	ปรับค่าเสียงจากแหล่งกำเนิด (D)		เสียงพื้นฐาน (E)	ค่าระดับ การรบกวน (D-E)
					กลางวัน (A-C)	กลางคืน (A-C)+3		
12:25 AM - 12:30 AM	45.0	46.2	-1.2	7.0	-	41.0	44.9	-3.9
12:30 AM - 12:35 AM	48.9	47.3	1.6	4.5	-	47.4	44.9	2.5
12:35 AM - 12:40 AM	52.4	52.6	-0.2	7.0	-	48.4	44.9	3.5
12:40 AM - 12:45 AM	43.2	50.9	-7.7	7.0	-	39.2	45.1	-5.9
12:45 AM - 12:50 AM	43.5	50.9	-7.4	7.0	-	39.5	44.9	-5.4
12:50 AM - 12:55 AM	51.6	53.5	-1.9	7.0	-	47.6	45.1	2.5
12:55 AM - 01:00 AM	48.9	46.5	2.4	4.5	-	47.4	44.9	2.5
01:00 AM - 01:05 AM	42.6	51.4	-8.8	7.0	-	38.6	44.8	-6.2
01:05 AM - 01:10 AM	43.3	48.2	-4.9	7.0	-	39.3	44.8	-5.5
01:10 AM - 01:15 AM	51.4	54.2	-2.8	7.0	-	47.4	44.6	2.8
01:15 AM - 01:20 AM	48.4	51.1	-2.7	7.0	-	44.4	44.3	0.1
01:20 AM - 01:25 AM	43.1	48.5	-5.4	7.0	-	39.1	45.0	-5.9
01:25 AM - 01:30 AM	54.6	46.0	8.6	0.5	-	57.1	45.0	12.1
01:30 AM - 01:35 AM	50.7	50.0	0.7	7.0	-	46.7	45.3	1.4
01:35 AM - 01:40 AM	44.6	48.0	-3.4	7.0	-	40.6	45.9	-5.3
01:40 AM - 01:45 AM	51.2	48.3	2.9	3.0	-	51.2	45.8	5.4
01:45 AM - 01:50 AM	49.5	48.0	1.5	4.5	-	48.0	45.7	2.3
01:50 AM - 01:55 AM	42.1	47.0	-4.9	7.0	-	38.1	45.2	-7.1
01:55 AM - 02:00 AM	49.5	47.4	2.1	4.5	-	48.0	45.0	3.0
02:00 AM - 02:05 AM	42.4	48.2	-5.8	7.0	-	38.4	44.5	-6.1
02:05 AM - 02:10 AM	42.6	48.1	-5.5	7.0	-	38.6	44.1	-5.5
02:10 AM - 02:15 AM	42.7	44.7	-2.0	7.0	-	38.7	43.8	-5.1
02:15 AM - 02:20 AM	40.9	44.3	-3.4	7.0	-	36.9	43.5	-6.6
02:20 AM - 02:25 AM	38.0	49.7	-11.7	7.0	-	34.0	43.8	-9.8
02:25 AM - 02:30 AM	54.4	46.7	7.7	0.5	-	56.9	43.9	13.0
02:30 AM - 02:35 AM	42.3	51.3	-9.0	7.0	-	38.3	43.4	-5.1
02:35 AM - 02:40 AM	43.6	45.5	-1.9	7.0	-	39.6	43.4	-3.8
02:40 AM - 02:45 AM	36.8	49.0	-12.2	7.0	-	32.8	43.1	-10.3
02:45 AM - 02:50 AM	45.7	44.3	1.4	7.0	-	41.7	43.4	-1.7
02:50 AM - 02:55 AM	37.5	44.5	-7.0	7.0	-	33.5	43.7	-10.2
02:55 AM - 03:00 AM	44.4	47.5	-3.1	7.0	-	40.4	43.7	-3.3
03:00 AM - 03:05 AM	51.7	44.4	7.3	1.0	-	53.7	43.3	10.4
03:05 AM - 03:10 AM	42.9	44.6	-1.7	7.0	-	38.9	43.3	-4.4
03:10 AM - 03:15 AM	40.6	47.1	-6.5	7.0	-	36.6	43.6	-7.0
03:15 AM - 03:20 AM	47.9	50.1	-2.2	7.0	-	43.9	43.6	0.3
03:20 AM - 03:25 AM	44.8	48.0	-3.2	7.0	-	40.8	44.4	-3.6
03:25 AM - 03:30 AM	40.4	46.4	-6.0	7.0	-	36.4	44.2	-7.8
03:30 AM - 03:35 AM	40.2	48.5	-8.3	7.0	-	36.2	45.0	-8.8
03:35 AM - 03:40 AM	45.8	49.7	-3.9	7.0	-	41.8	45.4	-3.6
03:40 AM - 03:45 AM	48.4	51.2	-2.8	7.0	-	44.4	46.4	-2.0

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Approved by

Wilawan Borirak  
Manager



## Analysis / Test Report

TESTING  
No.0042

Client : Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140

Lot ID: 23115912  
Date Received : Nov 03, 2023  
Date Reported : Nov 06, 2023  
Report Number : 2827138-1

P/O : RJN(2)-004/066  
Project Name : Pluak Daeng  
Project Location :

Page 3 of 3

Sample No. 23115912-13  
Parameter เสียงรบกวน  
Location บ้านพักอาศัย หมู่ 2 ซ. มานายพร 15 (N2) (GPS 47P0733642, 1434006)  
Measurement Date Nov 01 - 02, 2023  
Measurement by Saknarin Jaraskay  
Sound Level Meter 597167

### ระดับเสียง (dB(A))

เวลา	เสียงจากแหล่งกำเนิด (A)	เสียงขณะไม่มีการรบกวน (B)	ผลต่างระดับเสียง (A-B)	ตัวปรับค่า (C)	ปรับค่าเสียงจากแหล่งกำเนิด (D)		เสียงพื้นฐาน (E)	ค่าระดับการรบกวน (D-E)
					กลางวัน (A-C)	กลางคืน (A-C)+3		
03:45 AM - 03:50 AM	47.0	53.2	-6.2	7.0	-	43.0	46.6	-3.6
03:50 AM - 03:55 AM	40.5	50.8	-10.3	7.0	-	36.5	47.1	-10.6
03:55 AM - 04:00 AM	49.3	56.0	-6.7	7.0	-	45.3	46.8	-1.5
04:00 AM - 04:05 AM	39.0	52.9	-13.9	7.0	-	35.0	47.1	-12.1
04:05 AM - 04:10 AM	44.5	51.5	-7.0	7.0	-	40.5	46.9	-6.4
04:10 AM - 04:15 AM	39.0	55.3	-16.3	7.0	-	35.0	47.8	-12.8
04:15 AM - 04:20 AM	44.3	53.5	-9.2	7.0	-	40.3	48.1	-7.8
04:20 AM - 04:25 AM	53.5	53.7	-0.2	7.0	-	49.5	48.6	0.9
04:25 AM - 04:30 AM	49.8	57.3	-7.5	7.0	-	45.8	49.2	-3.4
04:30 AM - 04:35 AM	51.2	52.6	-1.4	7.0	-	47.2	49.3	-2.1
04:35 AM - 04:40 AM	54.7	57.1	-2.4	7.0	-	50.7	50.5	0.2
04:40 AM - 04:45 AM	43.8	55.1	-11.3	7.0	-	39.8	51.0	-11.2
04:45 AM - 04:50 AM	57.2	54.1	3.1	3.0	-	57.2	51.2	6.0
04:50 AM - 04:55 AM	51.2	54.1	-2.9	7.0	-	47.2	51.4	-4.2
04:55 AM - 05:00 AM	47.5	54.0	-6.5	7.0	-	43.5	51.7	-8.2
05:00 AM - 05:05 AM	56.6	57.0	-0.4	7.0	-	52.6	51.8	0.8
05:05 AM - 05:10 AM	55.2	57.6	-2.4	7.0	-	51.2	52.0	-0.8
05:10 AM - 05:15 AM	55.7	54.5	1.2	7.0	-	51.7	51.5	0.2
05:15 AM - 05:20 AM	51.8	55.1	-3.3	7.0	-	47.8	51.1	-3.3
05:20 AM - 05:25 AM	54.6	57.9	-3.3	7.0	-	50.6	51.3	-0.7
05:25 AM - 05:30 AM	54.4	54.7	-0.3	7.0	-	50.4	51.6	-1.2
05:30 AM - 05:35 AM	54.8	55.6	-0.8	7.0	-	50.8	51.6	-0.8
05:35 AM - 05:40 AM	55.1	58.2	-3.1	7.0	-	51.1	52.1	-1.0
05:40 AM - 05:45 AM	56.5	56.1	0.4	7.0	-	52.5	52.0	0.5
05:45 AM - 05:50 AM	57.6	57.5	0.1	7.0	-	53.6	52.0	1.6
05:50 AM - 05:55 AM	55.0	56.9	-1.9	7.0	-	51.0	52.9	-1.9
05:55 AM - 06:00 AM	57.1	61.8	-4.7	7.0	-	53.1	53.1	0.0
06:00 AM - 07:00 AM	63.1	62.6	0.5	7.0	56.1	-	54.7	1.4
07:00 AM - 08:00 AM	64.8	64.7	0.1	7.0	57.8	-	56.5	1.3
08:00 AM - 09:00 AM	63.8	62.8	1.0	7.0	56.8	-	50.0	6.8
09:00 AM - 10:00 AM	64.7	66.0	-1.3	7.0	57.7	-	49.1	8.6
10:00 AM - 11:00 AM	63.2	64.6	-1.4	7.0	56.2	-	48.9	7.3
ค่ามาตรฐาน								≤ 10

#### Reference Method :

- ISO 1996-1
- ประกาศกรมโรงงานอุตสาหกรรม เรื่อง วิธีการตรวจวัดระดับเสียงรบกวน ระดับเสียงเฉลี่ย 24 ชั่วโมง และระดับเสียงสูงสุดที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2553

#### มาตรฐาน

- ประกาศกระทรวงอุตสาหกรรม เรื่อง กำหนดค่าระดับเสียงการรบกวนและระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548
- ประกาศกระทรวงสาธารณสุข เรื่อง กำหนดค่ามาตรฐานมลพิษทางเสียงอันเกิดจากการประกอบกิจการที่เป็นอันตรายต่อสุขภาพ พ.ศ. 2561  
ระดับเสียงจากแหล่งกำเนิด ท่าอากาศยาน วันที่ 01-02 พฤศจิกายน 2566  
ระดับเสียงพื้นฐานและระดับเสียงขณะไม่มีการรบกวน (Sample No.23115913-13 วันที่ตรวจวัด 01-02 พฤศจิกายน 2566)

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Approved by

Wilawan Borirak  
Manager



## Analysis / Test Report

TESTING  
No.0042

Client : Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140

Lot ID: 23115912  
Date Received : Nov 03, 2023  
Date Reported : Nov 06, 2023  
Report Number : 2827139-1

P/O : RJN(2)-004/066  
Project Name : Pluak Daeng  
Project Location :

Page 1 of 3

Sample No. 23115912-14  
Parameter เสียงรบกวน  
Location บ้านพักอาศัย หมู่ 2 ช.มาบยางพร 15 (N2) (GPS 47P0733642, 1434006)  
Measurement Date Nov 02 - 03, 2023  
Measurement by Saknarin Jaraskay  
Sound Level Meter 597167

### ระดับเสียง (dB(A))

เวลา	เสียงจาก แหล่งกำเนิด <sup>(A)</sup>	เสียงขณะ ไม่มีการรบกวน <sup>(B)</sup>	ผลต่าง ระดับเสียง <sup>(A-B)</sup>	ตัวปรับค่า <sup>(C)</sup>	ปรับค่าเสียงจากแหล่งกำเนิด <sup>(B)</sup>		เสียงพื้นฐาน <sup>(E)</sup>	ค่าระดับ การรบกวน <sup>(D-E)</sup>
					กลางวัน <sup>(A-C)</sup>	กลางคืน <sup>(A-C)+3</sup>		
11:00 AM - 12:00 PM	57.5	64.8	-7.3	7.0	50.5	-	44.2	6.3
12:00 PM - 01:00 PM	60.1	63.2	-3.1	7.0	53.1	-	43.7	9.4
01:00 PM - 02:00 PM	60.5	64.8	-4.3	7.0	53.5	-	41.9	11.6
02:00 PM - 03:00 PM	59.6	65.5	-5.9	7.0	52.6	-	41.6	11.0
03:00 PM - 04:00 PM	55.8	64.1	-8.3	7.0	48.8	-	44.1	4.7
04:00 PM - 05:00 PM	56.3	64.0	-7.7	7.0	49.3	-	51.8	-2.5
05:00 PM - 06:00 PM	60.2	62.5	-2.3	7.0	53.2	-	52.4	0.8
06:00 PM - 07:00 PM	58.0	59.9	-1.9	7.0	51.0	-	49.1	1.9
07:00 PM - 08:00 PM	59.0	61.6	-2.6	7.0	52.0	-	49.8	2.2
08:00 PM - 09:00 PM	57.9	60.6	-2.7	7.0	50.9	-	49.6	1.3
09:00 PM - 10:00 PM	53.9	55.2	-1.3	7.0	46.9	-	47.2	-0.3
10:00 PM - 10:05 PM	50.4	56.0	-5.6	7.0	-	46.4	46.9	-0.5
10:05 PM - 10:10 PM	52.7	54.8	-2.1	7.0	-	48.7	47.3	1.4
10:10 PM - 10:15 PM	60.4	56.8	3.6	2.0	-	61.4	45.8	15.6
10:15 PM - 10:20 PM	50.0	50.1	-0.1	7.0	-	46.0	45.8	0.2
10:20 PM - 10:25 PM	49.7	52.6	-2.9	7.0	-	45.7	45.9	-0.2
10:25 PM - 10:30 PM	49.1	52.8	-3.7	7.0	-	45.1	45.2	-0.1
10:30 PM - 10:35 PM	46.1	52.6	-6.5	7.0	-	42.1	45.5	-3.4
10:35 PM - 10:40 PM	42.9	54.6	-11.7	7.0	-	38.9	44.3	-5.4
10:40 PM - 10:45 PM	50.8	53.5	-2.7	7.0	-	46.8	44.7	2.1
10:45 PM - 10:50 PM	47.0	49.5	-2.5	7.0	-	43.0	45.1	-2.1
10:50 PM - 10:55 PM	43.5	56.3	-12.8	7.0	-	39.5	44.2	-4.7
10:55 PM - 11:00 PM	39.5	49.5	-10.0	7.0	-	35.5	45.2	-9.7
11:00 PM - 11:05 PM	43.6	51.0	-7.4	7.0	-	39.6	45.8	-6.2
11:05 PM - 11:10 PM	46.3	51.8	-5.5	7.0	-	42.3	45.7	-3.4
11:10 PM - 11:15 PM	48.2	50.1	-1.9	7.0	-	44.2	46.5	-2.3
11:15 PM - 11:20 PM	52.7	52.6	0.1	7.0	-	48.7	46.9	1.8
11:20 PM - 11:25 PM	43.3	51.8	-8.5	7.0	-	39.3	45.6	-6.3
11:25 PM - 11:30 PM	54.2	47.2	7.0	1.0	-	56.2	45.3	10.9
11:30 PM - 11:35 PM	40.8	48.5	-7.7	7.0	-	36.8	45.7	-8.9
11:35 PM - 11:40 PM	44.2	52.0	-7.8	7.0	-	40.2	45.8	-5.6
11:40 PM - 11:45 PM	44.1	49.0	-4.9	7.0	-	40.1	45.8	-5.7
11:45 PM - 11:50 PM	45.0	46.7	-1.7	7.0	-	41.0	45.4	-4.4
11:50 PM - 11:55 PM	47.5	52.6	-5.1	7.0	-	43.5	46.2	-2.7
11:55 PM - 12:00 AM	50.4	48.1	2.3	4.5	-	48.9	45.5	3.4
12:00 AM - 12:05 AM	52.9	52.2	0.7	7.0	-	48.9	45.3	3.6
12:05 AM - 12:10 AM	51.6	51.3	0.3	7.0	-	47.6	44.5	3.1
12:10 AM - 12:15 AM	48.3	45.1	3.2	3.0	-	48.3	43.8	4.5
12:15 AM - 12:20 AM	47.5	47.9	-0.4	7.0	-	43.5	44.1	-0.6
12:20 AM - 12:25 AM	51.2	48.9	2.3	4.5	-	49.7	43.8	5.9

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Wilawan Borirak  
Manager



## Analysis / Test Report

TESTING  
No.0042

Client : Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140

Lot ID: 23115912  
Date Received : Nov 03, 2023  
Date Reported : Nov 06, 2023  
Report Number : 2827139-1

P/O : RJN(2)-004/066  
Project Name : Pluak Daeng  
Project Location :

Page 2 of 3

Sample No. 23115912-14  
Parameter เสียงรบกวน  
Location บ้านพักอาศัย หมู่ 2 ซ.มาบยางพร 15 (N2) (GPS 47P0733642, 1434006)  
Measurement Date Nov 02 - 03, 2023  
Measurement by Saknarin Jaraskay  
Sound Level Meter 597167

### ระดับเสียง (dB(A))

เวลา	เสียงจาก แหล่งกำเนิด (A)	เสียงขณะ ไม่มีการรบกวน (B)	ผลต่าง ระดับเสียง (A-B)	ตัวปรับค่า (C)	ปรับค่าเสียงจากแหล่งกำเนิด (D)		เสียงพื้นฐาน (E)	ค่าระดับ การรบกวน (D-E)
					กลางวัน (A-C)	กลางคืน (A-C)+3		
12:25 AM - 12:30 AM	42.7	52.0	-9.3	7.0	-	38.7	44.7	-6.0
12:30 AM - 12:35 AM	43.6	52.7	-9.1	7.0	-	39.6	44.3	-4.7
12:35 AM - 12:40 AM	48.8	51.4	-2.6	7.0	-	44.8	43.9	0.9
12:40 AM - 12:45 AM	48.8	45.6	3.2	3.0	-	48.8	43.7	5.1
12:45 AM - 12:50 AM	45.7	47.8	-2.1	7.0	-	41.7	43.8	-2.1
12:50 AM - 12:55 AM	54.7	51.1	3.6	2.0	-	55.7	43.6	12.1
12:55 AM - 01:00 AM	46.9	48.9	-2.0	7.0	-	42.9	42.7	0.2
01:00 AM - 01:05 AM	46.9	48.2	-1.3	7.0	-	42.9	43.4	-0.5
01:05 AM - 01:10 AM	45.3	46.1	-0.8	7.0	-	41.3	43.8	-2.5
01:10 AM - 01:15 AM	51.4	54.1	-2.7	7.0	-	47.4	44.4	3.0
01:15 AM - 01:20 AM	48.3	51.0	-2.7	7.0	-	44.3	44.9	-0.6
01:20 AM - 01:25 AM	41.2	49.5	-8.3	7.0	-	37.2	47.0	-9.8
01:25 AM - 01:30 AM	44.5	55.0	-10.5	7.0	-	40.5	46.5	-6.0
01:30 AM - 01:35 AM	46.7	54.0	-7.3	7.0	-	42.7	46.9	-4.2
01:35 AM - 01:40 AM	45.5	52.6	-7.1	7.0	-	41.5	47.1	-5.6
01:40 AM - 01:45 AM	47.8	51.0	-3.2	7.0	-	43.8	45.7	-1.9
01:45 AM - 01:50 AM	47.3	51.0	-3.7	7.0	-	43.3	45.9	-2.6
01:50 AM - 01:55 AM	47.3	48.7	-1.4	7.0	-	43.3	46.5	-3.2
01:55 AM - 02:00 AM	49.6	51.2	-1.6	7.0	-	45.6	46.9	-1.3
02:00 AM - 02:05 AM	47.6	48.1	-0.5	7.0	-	43.6	45.7	-2.1
02:05 AM - 02:10 AM	46.9	46.7	0.2	7.0	-	42.9	43.8	-0.9
02:10 AM - 02:15 AM	44.5	45.1	-0.6	7.0	-	40.5	43.2	-2.7
02:15 AM - 02:20 AM	44.0	46.4	-2.4	7.0	-	40.0	43.7	-3.7
02:20 AM - 02:25 AM	47.1	45.7	1.4	7.0	-	43.1	43.1	0.0
02:25 AM - 02:30 AM	44.7	54.3	-9.6	7.0	-	40.7	42.6	-1.9
02:30 AM - 02:35 AM	49.2	46.9	2.3	4.5	-	47.7	43.5	4.2
02:35 AM - 02:40 AM	44.6	48.1	-3.5	7.0	-	40.6	42.9	-2.3
02:40 AM - 02:45 AM	47.0	46.7	0.3	7.0	-	43.0	42.8	0.2
02:45 AM - 02:50 AM	43.1	48.8	-5.7	7.0	-	39.1	42.1	-3.0
02:50 AM - 02:55 AM	43.0	47.1	-4.1	7.0	-	39.0	43.1	-4.1
02:55 AM - 03:00 AM	45.2	48.6	-3.4	7.0	-	41.2	42.9	-1.7
03:00 AM - 03:05 AM	43.1	51.3	-8.2	7.0	-	39.1	42.2	-3.1
03:05 AM - 03:10 AM	42.2	46.0	-3.8	7.0	-	38.2	42.4	-4.2
03:10 AM - 03:15 AM	41.8	46.6	-4.8	7.0	-	37.8	44.1	-6.3
03:15 AM - 03:20 AM	47.2	48.6	-1.4	7.0	-	43.2	44.6	-1.4
03:20 AM - 03:25 AM	43.0	45.6	-2.6	7.0	-	39.0	44.1	-5.1
03:25 AM - 03:30 AM	43.2	45.8	-2.6	7.0	-	39.2	44.4	-5.2
03:30 AM - 03:35 AM	46.6	46.6	0.0	7.0	-	42.6	45.4	-2.8
03:35 AM - 03:40 AM	45.4	51.5	-6.1	7.0	-	41.4	44.8	-3.4
03:40 AM - 03:45 AM	42.5	46.2	-3.7	7.0	-	38.5	44.8	-6.3

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Approved by

Wilawan Borirak  
Manager



## Analysis / Test Report

TESTING  
No.0042

Client : Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140

Lot ID: 23115912  
Date Received : Nov 03, 2023  
Date Reported : Nov 06, 2023  
Report Number : 2827139-1

P/O : RJN(2)-004/066  
Project Name : Pluak Daeng  
Project Location :

Page 3 of 3

Sample No. 23115912-14  
Parameter เสียงรบกวน  
Location บ้านพักอาศัย หมู่ 2 ช. มานายางพร 15 (N2) (GPS 47P0733642, 1434006)  
Measurement Date Nov 02 - 03, 2023  
Measurement by Saknarin Jaraskay  
Sound Level Meter 597167

### ระดับเสียง (dB(A))

เวลา	เสียงจากแหล่งกำเนิด (A)	เสียงขณะไม่มีการรบกวน (B)	ผลต่างระดับเสียง (A-B)	ตัวปรับค่า (C)	ปรับค่าเสียงจากแหล่งกำเนิด (D)		เสียงพื้นฐาน (E)	ค่าระดับการรบกวน (D-E)
					กลางวัน (A-C)	กลางคืน (A-C)+3		
03:45 AM - 03:50 AM	50.4	50.4	0.0	7.0	-	46.4	46.2	0.2
03:50 AM - 03:55 AM	47.6	48.1	-0.5	7.0	-	43.6	46.4	-2.8
03:55 AM - 04:00 AM	52.0	50.3	1.7	4.5	-	50.5	46.3	4.2
04:00 AM - 04:05 AM	55.3	48.7	6.6	1.0	-	57.3	46.9	10.4
04:05 AM - 04:10 AM	45.5	50.2	-4.7	7.0	-	41.5	47.2	-5.7
04:10 AM - 04:15 AM	52.0	48.6	3.4	3.0	-	52.0	46.3	5.7
04:15 AM - 04:20 AM	46.3	51.9	-5.6	7.0	-	42.3	48.5	-6.2
04:20 AM - 04:25 AM	50.9	55.1	-4.2	7.0	-	46.9	48.9	-2.0
04:25 AM - 04:30 AM	49.3	53.0	-3.7	7.0	-	45.3	48.8	-3.5
04:30 AM - 04:35 AM	53.4	53.0	0.4	7.0	-	49.4	46.5	2.9
04:35 AM - 04:40 AM	53.0	56.1	-3.1	7.0	-	49.0	48.6	0.4
04:40 AM - 04:45 AM	52.0	52.9	-0.9	7.0	-	48.0	49.0	-1.0
04:45 AM - 04:50 AM	49.3	59.0	-9.7	7.0	-	45.3	48.7	-3.4
04:50 AM - 04:55 AM	48.9	53.6	-4.7	7.0	-	44.9	49.8	-4.9
04:55 AM - 05:00 AM	48.8	56.5	-7.7	7.0	-	44.8	52.4	-7.6
05:00 AM - 05:05 AM	52.4	59.2	-6.8	7.0	-	48.4	53.7	-5.3
05:05 AM - 05:10 AM	54.7	58.5	-3.8	7.0	-	50.7	52.8	-2.1
05:10 AM - 05:15 AM	49.4	57.5	-8.1	7.0	-	45.4	49.3	-3.9
05:15 AM - 05:20 AM	52.8	55.8	-3.0	7.0	-	48.8	51.3	-2.5
05:20 AM - 05:25 AM	53.7	57.5	-3.8	7.0	-	49.7	52.6	-2.9
05:25 AM - 05:30 AM	50.9	56.8	-5.9	7.0	-	46.9	53.2	-6.3
05:30 AM - 05:35 AM	49.6	57.9	-8.3	7.0	-	45.6	52.9	-7.3
05:35 AM - 05:40 AM	54.9	58.4	-3.5	7.0	-	50.9	52.4	-1.5
05:40 AM - 05:45 AM	51.0	58.5	-7.5	7.0	-	47.0	52.9	-5.9
05:45 AM - 05:50 AM	53.1	58.4	-5.3	7.0	-	49.1	53.2	-4.1
05:50 AM - 05:55 AM	53.0	56.6	-3.6	7.0	-	49.0	53.1	-4.1
05:55 AM - 06:00 AM	61.6	61.0	0.6	7.0	-	57.6	52.7	4.9
06:00 AM - 07:00 AM	59.6	62.5	-2.9	7.0	52.6	-	54.7	-2.1
07:00 AM - 08:00 AM	62.0	65.3	-3.3	7.0	55.0	-	56.0	-1.0
08:00 AM - 09:00 AM	60.6	66.0	-5.4	7.0	53.6	-	47.1	6.5
09:00 AM - 10:00 AM	63.2	65.7	-2.5	7.0	56.2	-	45.9	10.3
10:00 AM - 11:00 AM	64.1	65.2	-1.1	7.0	57.1	-	49.5	7.6

ค่ามาตรฐาน

≤ 10

Reference Method :

- ISO 1996-1
- ประกาศกรมโรงงานอุตสาหกรรม เรื่อง วิธีการตรวจวัดระดับเสียงรบกวน ระดับเสียงเฉลี่ย 24 ชั่วโมง และระดับเสียงสูงสุดที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2553

มาตรฐาน

- ประกาศกระทรวงอุตสาหกรรม เรื่อง กำหนดค่าระดับเสียงการรบกวนและระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548
- ประกาศกระทรวงสาธารณสุข เรื่อง กำหนดค่ามาตรฐานมลพิษทางเสียงอันเกิดจากการประกอบกิจการที่เป็นอันตรายต่อสุขภาพ พ.ศ. 2561  
ระดับเสียงจากแหล่งกำเนิด ท่าอากาศยาน วันที่ 02-03 พฤศจิกายน 2566  
ระดับเสียงพื้นฐานและระดับเสียงขณะไม่มีการรบกวน (Sample No.23115913-14 วันที่ตรวจวัด 02-03 พฤศจิกายน 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.

Approved by

Wilawan Borirak  
Manager





## Analysis / Test Report

TESTING  
No.0042

Client : Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140

Lot ID: 23115913  
Date Received : Nov 03, 2023  
Date Reported : Nov 06, 2023  
Report No. : 2827145-1

P/O : RJN(2)-004/066  
Project Name : Pluak Daeng  
Project Location :

Page 1 of 3

Sample No. 23115913-1  
Parameter Noise  
Location บ้านวังศาลหมอน (N1) (GPS 47P 0734013, 1432165) (Shut down)  
Measurement Date Oct 27 - 28, 2023  
Measurement by Saknarin Jaraskay  
Sound Level Meter 597168

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	51.6	68.3	45.4
12:00 PM - 01:00 PM	51.7	73.1	46.1
01:00 PM - 02:00 PM	56.3	77.9	50.6
02:00 PM - 03:00 PM	55.7	69.7	50.5
03:00 PM - 04:00 PM	55.0	67.8	49.9
04:00 PM - 05:00 PM	51.8	73.8	48.1
05:00 PM - 06:00 PM	54.4	86.6	48.6
06:00 PM - 07:00 PM	51.2	65.9	47.6
07:00 PM - 08:00 PM	48.7	67.8	45.1
08:00 PM - 09:00 PM	48.2	64.7	44.2
09:00 PM - 10:00 PM	46.1	69.6	42.1
10:00 PM - 10:05 PM	46.0	60.4	41.7
10:05 PM - 10:10 PM	42.4	52.1	40.0
10:10 PM - 10:15 PM	43.6	55.9	40.0
10:15 PM - 10:20 PM	43.6	50.0	41.5
10:20 PM - 10:25 PM	41.8	46.2	40.3
10:25 PM - 10:30 PM	45.2	57.9	40.5
10:30 PM - 10:35 PM	43.7	51.2	41.5
10:35 PM - 10:40 PM	45.3	55.7	41.8
10:40 PM - 10:45 PM	44.7	52.2	41.4
10:45 PM - 10:50 PM	44.7	50.6	41.9
10:50 PM - 10:55 PM	45.0	55.6	41.4
10:55 PM - 11:00 PM	43.8	51.2	41.6
11:00 PM - 11:05 PM	44.8	53.6	41.6
11:05 PM - 11:10 PM	44.1	54.9	41.5
11:10 PM - 11:15 PM	43.7	54.5	40.7
11:15 PM - 11:20 PM	42.3	49.1	39.9
11:20 PM - 11:25 PM	41.4	50.9	38.6
11:25 PM - 11:30 PM	41.1	49.9	38.7
11:30 PM - 11:35 PM	42.2	56.8	38.5
11:35 PM - 11:40 PM	41.7	51.1	37.8
11:40 PM - 11:45 PM	39.9	48.0	38.0
11:45 PM - 11:50 PM	40.9	51.2	38.4
11:50 PM - 11:55 PM	40.2	45.3	38.7
11:55 PM - 12:00 AM	41.4	47.9	39.1
12:00 AM - 12:05 AM	43.7	58.7	38.8
12:05 AM - 12:10 AM	41.4	56.3	39.0
12:10 AM - 12:15 AM	46.4	61.1	39.8
12:15 AM - 12:20 AM	42.1	48.4	39.4
12:20 AM - 12:25 AM	40.5	48.7	37.7

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Approved by

Wilawan Borirak  
Manager





## Analysis / Test Report

TESTING  
No.0042

Client : Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140

Lot ID: 23115913  
Date Received : Nov 03, 2023  
Date Reported : Nov 06, 2023  
Report No. : 2827145-1

P/O : RJN(2)-004/066  
Project Name : Pluak Daeng  
Project Location :

Page 2 of 3

Sample No. 23115913-1  
Parameter Noise  
Location บ้านวังศาลหมอน (N1) (GPS 47P 0734013, 1432165) (Shut down)  
Measurement Date Oct 27 - 28, 2023  
Measurement by Saknarin Jaraskay  
Sound Level Meter 597168

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:25 AM - 12:30 AM	41.2	52.1	37.9
12:30 AM - 12:35 AM	42.9	56.3	38.7
12:35 AM - 12:40 AM	41.7	52.0	38.0
12:40 AM - 12:45 AM	39.5	49.4	37.7
12:45 AM - 12:50 AM	40.0	48.2	38.1
12:50 AM - 12:55 AM	40.5	48.0	38.5
12:55 AM - 01:00 AM	41.5	54.2	39.0
01:00 AM - 01:05 AM	41.1	48.7	39.0
01:05 AM - 01:10 AM	39.8	46.9	38.2
01:10 AM - 01:15 AM	39.5	48.5	37.9
01:15 AM - 01:20 AM	40.5	48.5	38.2
01:20 AM - 01:25 AM	39.7	43.3	38.2
01:25 AM - 01:30 AM	43.5	57.3	38.5
01:30 AM - 01:35 AM	40.2	51.7	38.0
01:35 AM - 01:40 AM	45.6	59.5	38.9
01:40 AM - 01:45 AM	39.3	51.1	37.8
01:45 AM - 01:50 AM	38.7	45.4	37.2
01:50 AM - 01:55 AM	38.7	47.3	37.0
01:55 AM - 02:00 AM	40.3	54.2	36.6
02:00 AM - 02:05 AM	38.0	44.5	36.4
02:05 AM - 02:10 AM	42.4	58.5	36.4
02:10 AM - 02:15 AM	43.5	60.4	36.5
02:15 AM - 02:20 AM	39.7	57.2	36.8
02:20 AM - 02:25 AM	39.8	48.2	36.2
02:25 AM - 02:30 AM	40.0	51.3	36.0
02:30 AM - 02:35 AM	41.1	53.8	36.6
02:35 AM - 02:40 AM	42.5	58.6	37.3
02:40 AM - 02:45 AM	46.6	61.8	36.8
02:45 AM - 02:50 AM	40.6	50.6	36.6
02:50 AM - 02:55 AM	42.8	54.2	36.1
02:55 AM - 03:00 AM	40.1	49.1	35.5
03:00 AM - 03:05 AM	38.5	49.2	35.4
03:05 AM - 03:10 AM	43.7	50.2	37.7
03:10 AM - 03:15 AM	40.9	49.4	36.8
03:15 AM - 03:20 AM	39.5	49.7	35.6
03:20 AM - 03:25 AM	39.9	49.3	36.6
03:25 AM - 03:30 AM	43.7	60.1	36.2
03:30 AM - 03:35 AM	38.5	48.6	34.8
03:35 AM - 03:40 AM	39.4	48.7	35.0
03:40 AM - 03:45 AM	39.6	49.0	35.5

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Wilawan Borirak  
Manager



## Analysis / Test Report

TESTING  
No.0042

Client : Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140

Lot ID: 23115913  
Date Received : Nov 03, 2023  
Date Reported : Nov 06, 2023  
Report No. : 2827145-1

P/O : RJN(2)-004/066  
Project Name : Pluak Daeng  
Project Location :

Page 3 of 3

Sample No. 23115913-1  
Parameter Noise  
Location บ้านวังดาลหมอน (N1) (GPS 47P 0734013, 1432165) (Shut down)  
Measurement Date Oct 27 - 28, 2023  
Measurement by Saknarin Jaraskay  
Sound Level Meter 597168

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:45 AM - 03:50 AM	45.4	65.4	36.2
03:50 AM - 03:55 AM	41.3	50.7	37.6
03:55 AM - 04:00 AM	42.1	54.4	37.0
04:00 AM - 04:05 AM	39.8	51.4	35.8
04:05 AM - 04:10 AM	42.3	53.9	36.4
04:10 AM - 04:15 AM	48.8	66.0	38.4
04:15 AM - 04:20 AM	42.1	51.0	37.5
04:20 AM - 04:25 AM	45.8	62.8	37.1
04:25 AM - 04:30 AM	47.0	61.3	37.9
04:30 AM - 04:35 AM	43.3	57.1	36.5
04:35 AM - 04:40 AM	46.3	62.3	38.1
04:40 AM - 04:45 AM	43.7	53.7	39.5
04:45 AM - 04:50 AM	44.3	53.9	39.5
04:50 AM - 04:55 AM	42.6	50.7	37.9
04:55 AM - 05:00 AM	44.2	56.1	38.3
05:00 AM - 05:05 AM	41.2	52.9	37.4
05:05 AM - 05:10 AM	41.0	50.7	36.1
05:10 AM - 05:15 AM	42.9	54.6	37.8
05:15 AM - 05:20 AM	49.0	67.5	38.3
05:20 AM - 05:25 AM	47.7	64.2	40.5
05:25 AM - 05:30 AM	48.1	62.5	42.0
05:30 AM - 05:35 AM	52.0	65.9	43.6
05:35 AM - 05:40 AM	46.2	54.8	42.8
05:40 AM - 05:45 AM	45.5	52.4	41.9
05:45 AM - 05:50 AM	52.3	72.2	44.8
05:50 AM - 05:55 AM	48.2	59.7	44.2
05:55 AM - 06:00 AM	48.5	62.1	44.7
06:00 AM - 07:00 AM	52.4	69.6	47.2
07:00 AM - 08:00 AM	51.4	71.6	46.4
08:00 AM - 09:00 AM	50.8	74.1	43.8
09:00 AM - 10:00 AM	49.4	67.3	43.1
10:00 AM - 11:00 AM	48.8	69.5	44.0

Reference Method :

- ISO 1996-1
- ประกาศกรมโรงงานอุตสาหกรรม เรื่อง วิธีการตรวจวัดระดับเสียงรบกวน ระดับเสียงเฉลี่ย 24 ชั่วโมง และระดับเสียงสูงสุดที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2553

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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Wilawan Borirak  
Manager



## Analysis / Test Report

TESTING  
No.0042

Client : Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140

Lot ID: 23115913  
Date Received : Nov 03, 2023  
Date Reported : Nov 06, 2023  
Report No. : 2827146-1

P/O : RJN(2)-004/066  
Project Name : Pluak Daeng  
Project Location :

Page 1 of 3

Sample No. 23115913-2  
Parameter Noise  
Location บ้านวังศาลหมอน (N1) (GPS 47P 0734013, 1432165) (Shut down)  
Measurement Date Oct 28 - 29, 2023  
Measurement by Saknarin Jaraskay  
Sound Level Meter 597168

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	50.8	71.8	43.5
12:00 PM - 01:00 PM	48.4	64.4	42.8
01:00 PM - 02:00 PM	51.3	70.1	45.6
02:00 PM - 03:00 PM	51.9	71.5	47.3
03:00 PM - 04:00 PM	51.8	70.9	47.1
04:00 PM - 05:00 PM	53.1	73.6	50.6
05:00 PM - 06:00 PM	51.4	70.6	47.4
06:00 PM - 07:00 PM	50.1	67.4	46.3
07:00 PM - 08:00 PM	48.7	65.6	44.8
08:00 PM - 09:00 PM	48.6	72.5	44.5
09:00 PM - 10:00 PM	46.6	62.3	43.5
10:00 PM - 10:05 PM	46.0	58.8	42.5
10:05 PM - 10:10 PM	47.0	60.0	41.5
10:10 PM - 10:15 PM	43.9	50.4	41.9
10:15 PM - 10:20 PM	43.4	49.4	41.7
10:20 PM - 10:25 PM	47.0	60.3	41.9
10:25 PM - 10:30 PM	44.7	55.7	41.8
10:30 PM - 10:35 PM	45.6	54.1	42.3
10:35 PM - 10:40 PM	47.1	60.4	41.0
10:40 PM - 10:45 PM	43.6	56.0	40.8
10:45 PM - 10:50 PM	42.9	51.0	40.7
10:50 PM - 10:55 PM	43.8	51.9	41.4
10:55 PM - 11:00 PM	43.4	52.0	41.4
11:00 PM - 11:05 PM	43.2	50.9	41.2
11:05 PM - 11:10 PM	43.2	50.3	41.0
11:10 PM - 11:15 PM	43.6	53.8	41.2
11:15 PM - 11:20 PM	46.1	58.8	42.1
11:20 PM - 11:25 PM	46.4	66.1	41.9
11:25 PM - 11:30 PM	43.5	50.9	41.2
11:30 PM - 11:35 PM	43.9	49.3	41.1
11:35 PM - 11:40 PM	44.7	59.9	41.4
11:40 PM - 11:45 PM	44.3	52.8	41.8
11:45 PM - 11:50 PM	44.2	54.3	41.6
11:50 PM - 11:55 PM	42.8	48.8	40.4
11:55 PM - 12:00 AM	44.3	58.8	39.7
12:00 AM - 12:05 AM	44.4	55.9	40.2
12:05 AM - 12:10 AM	42.1	48.2	39.8
12:10 AM - 12:15 AM	42.7	51.7	40.0
12:15 AM - 12:20 AM	42.1	47.9	39.7
12:20 AM - 12:25 AM	41.9	48.4	39.5

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Wilawan Borirak  
Manager

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## Analysis / Test Report

TESTING  
No.0042

Client : Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140

Lot ID: 23115913  
Date Received : Nov 03, 2023  
Date Reported : Nov 06, 2023  
Report No. : 2827146-1

P/O : RJN(2)-004/066  
Project Name : Pluak Daeng  
Project Location :

Page 2 of 3

Sample No. 23115913-2  
Parameter Noise  
Location บ้านวังดาลหมอน (N1) (GPS 47P 0734013, 1432165) (Shut down)  
Measurement Date Oct 28 - 29, 2023  
Measurement by Saknarin Jaraskay  
Sound Level Meter 597168

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:25 AM - 12:30 AM	42.3	51.8	39.2
12:30 AM - 12:35 AM	41.6	51.4	38.6
12:35 AM - 12:40 AM	41.5	50.5	38.9
12:40 AM - 12:45 AM	42.2	57.9	38.3
12:45 AM - 12:50 AM	39.9	48.2	38.1
12:50 AM - 12:55 AM	41.4	54.6	38.1
12:55 AM - 01:00 AM	44.7	55.5	38.4
01:00 AM - 01:05 AM	41.9	51.0	38.3
01:05 AM - 01:10 AM	42.1	51.2	39.2
01:10 AM - 01:15 AM	41.0	49.4	38.5
01:15 AM - 01:20 AM	41.6	52.4	38.7
01:20 AM - 01:25 AM	40.8	46.8	39.4
01:25 AM - 01:30 AM	44.3	56.1	39.6
01:30 AM - 01:35 AM	45.5	57.2	39.8
01:35 AM - 01:40 AM	44.2	51.9	40.1
01:40 AM - 01:45 AM	47.5	67.8	41.3
01:45 AM - 01:50 AM	51.4	67.0	40.0
01:50 AM - 01:55 AM	44.1	60.3	40.0
01:55 AM - 02:00 AM	44.4	57.7	41.0
02:00 AM - 02:05 AM	43.5	56.8	39.5
02:05 AM - 02:10 AM	43.5	53.4	40.4
02:10 AM - 02:15 AM	43.8	53.7	40.7
02:15 AM - 02:20 AM	41.6	46.1	39.6
02:20 AM - 02:25 AM	41.1	54.2	38.9
02:25 AM - 02:30 AM	41.1	54.0	37.3
02:30 AM - 02:35 AM	40.0	48.7	37.4
02:35 AM - 02:40 AM	43.6	56.7	38.3
02:40 AM - 02:45 AM	39.7	47.5	37.7
02:45 AM - 02:50 AM	39.1	49.0	36.9
02:50 AM - 02:55 AM	41.7	55.1	37.2
02:55 AM - 03:00 AM	40.8	51.7	37.7
03:00 AM - 03:05 AM	44.7	49.9	40.9
03:05 AM - 03:10 AM	41.8	52.3	37.7
03:10 AM - 03:15 AM	40.6	55.9	37.8
03:15 AM - 03:20 AM	43.7	54.9	37.8
03:20 AM - 03:25 AM	48.0	67.0	37.6
03:25 AM - 03:30 AM	39.1	48.3	37.7
03:30 AM - 03:35 AM	40.1	45.5	38.6
03:35 AM - 03:40 AM	41.1	46.1	39.3
03:40 AM - 03:45 AM	41.4	52.5	39.1

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

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Wilawan Borirak  
Manager



## Analysis / Test Report

TESTING  
No.0042

Client : Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140

Lot ID: 23115913  
Date Received : Nov 03, 2023  
Date Reported : Nov 06, 2023  
Report No. : 2827146-1

P/O : RJN(2)-004/066  
Project Name : Pluak Daeng  
Project Location :

Page 3 of 3

Sample No. 23115913-2  
Parameter Noise  
Location บ้านวังตาลหมอน (N1) (GPS 47P 0734013, 1432165) (Shut down)  
Measurement Date Oct 28 - 29, 2023  
Measurement by Saknarin Jaraskay  
Sound Level Meter 597168

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:45 AM - 03:50 AM	40.8	52.0	38.6
03:50 AM - 03:55 AM	40.1	46.8	38.8
03:55 AM - 04:00 AM	41.4	50.2	39.0
04:00 AM - 04:05 AM	46.7	62.8	39.3
04:05 AM - 04:10 AM	42.0	51.8	38.8
04:10 AM - 04:15 AM	41.8	49.5	39.1
04:15 AM - 04:20 AM	41.5	50.3	38.9
04:20 AM - 04:25 AM	43.0	52.5	39.3
04:25 AM - 04:30 AM	47.3	64.4	39.5
04:30 AM - 04:35 AM	43.1	60.3	39.3
04:35 AM - 04:40 AM	47.1	60.8	40.0
04:40 AM - 04:45 AM	46.3	59.0	40.4
04:45 AM - 04:50 AM	49.7	61.9	40.9
04:50 AM - 04:55 AM	45.7	57.1	41.6
04:55 AM - 05:00 AM	46.8	58.3	39.9
05:00 AM - 05:05 AM	44.2	55.5	39.8
05:05 AM - 05:10 AM	48.0	63.1	41.8
05:10 AM - 05:15 AM	43.9	54.2	39.4
05:15 AM - 05:20 AM	50.5	68.7	39.5
05:20 AM - 05:25 AM	45.8	55.4	41.6
05:25 AM - 05:30 AM	49.7	65.3	44.1
05:30 AM - 05:35 AM	48.8	56.9	44.7
05:35 AM - 05:40 AM	52.6	68.4	46.1
05:40 AM - 05:45 AM	51.5	65.2	47.9
05:45 AM - 05:50 AM	52.4	59.6	48.0
05:50 AM - 05:55 AM	50.7	59.6	46.4
05:55 AM - 06:00 AM	52.5	57.8	50.2
06:00 AM - 07:00 AM	52.4	67.3	49.1
07:00 AM - 08:00 AM	55.4	75.4	50.6
08:00 AM - 09:00 AM	52.6	68.0	48.5
09:00 AM - 10:00 AM	52.0	72.4	45.4
10:00 AM - 11:00 AM	50.8	70.4	43.0

Reference Method :

- ISO 1996-1
- ประกาศกรมโรงงานอุตสาหกรรม เรื่อง วิธีการตรวจวัดระดับเสียงรบกวน ระดับเสียงเฉลี่ย 24 ชั่วโมง และระดับเสียงสูงสุดที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2553

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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Wilawan Borirak  
Manager



## Analysis / Test Report

TESTING  
No.0042

Client : Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140

Lot ID: 23115913  
Date Received : Nov 03, 2023  
Date Reported : Nov 06, 2023  
Report No. : 2827147-1

P/O : RJN(2)-004/066  
Project Name : Pluak Daeng  
Project Location :

Page 1 of 3

Sample No. 23115913-3  
Parameter Noise  
Location บ้านวังศาลหมอน (N1) (GPS 47P 0734013, 1432165) (Shut down)  
Measurement Date Oct 29 - 30, 2023  
Measurement by Saknarin Jaraskay  
Sound Level Meter 597168

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	49.6	68.3	43.4
12:00 PM - 01:00 PM	61.8	81.2	58.4
01:00 PM - 02:00 PM	60.4	85.9	56.3
02:00 PM - 03:00 PM	52.3	70.6	47.1
03:00 PM - 04:00 PM	52.1	80.5	47.1
04:00 PM - 05:00 PM	53.4	72.5	50.5
05:00 PM - 06:00 PM	61.1	78.4	54.0
06:00 PM - 07:00 PM	52.2	69.8	50.3
07:00 PM - 08:00 PM	52.3	66.4	50.2
08:00 PM - 09:00 PM	50.0	63.6	47.5
09:00 PM - 10:00 PM	47.0	63.4	43.8
10:00 PM - 10:05 PM	45.2	52.2	42.8
10:05 PM - 10:10 PM	45.8	50.5	43.6
10:10 PM - 10:15 PM	45.8	50.4	43.6
10:15 PM - 10:20 PM	46.6	55.3	44.0
10:20 PM - 10:25 PM	46.9	55.0	44.0
10:25 PM - 10:30 PM	46.0	53.8	43.5
10:30 PM - 10:35 PM	47.4	55.5	43.2
10:35 PM - 10:40 PM	46.9	61.8	42.2
10:40 PM - 10:45 PM	46.1	54.5	42.5
10:45 PM - 10:50 PM	46.9	56.6	43.3
10:50 PM - 10:55 PM	45.5	52.6	42.9
10:55 PM - 11:00 PM	45.2	51.0	43.2
11:00 PM - 11:05 PM	44.4	49.0	42.7
11:05 PM - 11:10 PM	44.2	48.5	42.1
11:10 PM - 11:15 PM	44.0	48.9	42.3
11:15 PM - 11:20 PM	44.3	48.9	42.4
11:20 PM - 11:25 PM	44.8	58.9	40.8
11:25 PM - 11:30 PM	42.9	50.4	40.4
11:30 PM - 11:35 PM	44.7	53.3	41.5
11:35 PM - 11:40 PM	44.0	52.6	41.5
11:40 PM - 11:45 PM	43.9	50.4	41.2
11:45 PM - 11:50 PM	44.0	54.0	41.5
11:50 PM - 11:55 PM	44.2	57.7	41.4
11:55 PM - 12:00 AM	43.6	52.5	41.4
12:00 AM - 12:05 AM	42.7	49.5	41.2
12:05 AM - 12:10 AM	43.2	49.9	41.5
12:10 AM - 12:15 AM	44.7	60.1	40.6
12:15 AM - 12:20 AM	42.3	52.4	39.6
12:20 AM - 12:25 AM	42.3	48.7	39.6

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Approved by

Wilawan Borirak  
Manager

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## Analysis / Test Report

TESTING  
No.0042

Client : Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140

Lot ID: 23115913  
Date Received : Nov 03, 2023  
Date Reported : Nov 06, 2023  
Report No. : 2827147-1

P/O : RJN(2)-004/066  
Project Name : Pluak Daeng  
Project Location :

Page 2 of 3

Sample No. 23115913-3  
Parameter Noise  
Location บ้านวังดาลหมอน (N1) (GPS 47P 0734013, 1432165) (Shut down)  
Measurement Date Oct 29 - 30, 2023  
Measurement by Saknarin Jaraskay  
Sound Level Meter 597168

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:25 AM - 12:30 AM	43.6	55.6	39.9
12:30 AM - 12:35 AM	42.4	50.6	39.4
12:35 AM - 12:40 AM	42.9	46.4	40.5
12:40 AM - 12:45 AM	43.5	48.5	40.9
12:45 AM - 12:50 AM	45.0	57.6	40.5
12:50 AM - 12:55 AM	43.5	52.9	41.0
12:55 AM - 01:00 AM	44.5	56.8	41.4
01:00 AM - 01:05 AM	49.3	70.1	41.8
01:05 AM - 01:10 AM	42.4	48.5	39.9
01:10 AM - 01:15 AM	42.9	55.0	40.3
01:15 AM - 01:20 AM	45.3	63.1	40.7
01:20 AM - 01:25 AM	42.8	46.9	41.4
01:25 AM - 01:30 AM	42.9	52.1	40.2
01:30 AM - 01:35 AM	42.2	51.6	39.8
01:35 AM - 01:40 AM	42.4	50.1	39.1
01:40 AM - 01:45 AM	41.5	46.1	38.5
01:45 AM - 01:50 AM	44.6	58.1	39.1
01:50 AM - 01:55 AM	41.2	48.4	38.4
01:55 AM - 02:00 AM	40.9	46.1	39.1
02:00 AM - 02:05 AM	40.9	44.8	38.7
02:05 AM - 02:10 AM	40.6	44.4	38.9
02:10 AM - 02:15 AM	40.3	47.8	38.4
02:15 AM - 02:20 AM	44.4	59.1	37.8
02:20 AM - 02:25 AM	49.6	65.3	37.9
02:25 AM - 02:30 AM	38.5	42.5	37.2
02:30 AM - 02:35 AM	38.6	48.1	37.5
02:35 AM - 02:40 AM	38.7	55.1	36.9
02:40 AM - 02:45 AM	38.8	52.6	36.8
02:45 AM - 02:50 AM	39.3	45.5	37.7
02:50 AM - 02:55 AM	39.3	45.4	37.7
02:55 AM - 03:00 AM	39.8	52.4	37.2
03:00 AM - 03:05 AM	38.2	41.9	37.1
03:05 AM - 03:10 AM	39.3	54.4	37.0
03:10 AM - 03:15 AM	39.2	51.8	36.3
03:15 AM - 03:20 AM	42.5	55.5	37.6
03:20 AM - 03:25 AM	45.8	60.2	38.3
03:25 AM - 03:30 AM	38.1	41.5	36.8
03:30 AM - 03:35 AM	40.4	48.2	37.2
03:35 AM - 03:40 AM	47.0	66.2	36.9
03:40 AM - 03:45 AM	40.0	47.8	37.4

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Wilawan Borirak  
Manager





## Analysis / Test Report

TESTING  
No.0042

Client : Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140

Lot ID: 23115913  
Date Received : Nov 03, 2023  
Date Reported : Nov 06, 2023  
Report No. : 2827147-1

P/O : RJN(2)-004/066  
Project Name : Pluak Daeng  
Project Location :

Page 3 of 3

Sample No. 23115913-3  
Parameter Noise  
Location บ้านวังดาลหมอน (N1) (GPS 47P 0734013, 1432165) (Shut down)  
Measurement Date Oct 29 - 30, 2023  
Measurement by Saknarin Jaraskay  
Sound Level Meter 597168

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:45 AM - 03:50 AM	39.5	51.5	37.2
03:50 AM - 03:55 AM	42.4	51.6	38.0
03:55 AM - 04:00 AM	40.5	51.7	37.1
04:00 AM - 04:05 AM	40.8	54.5	36.9
04:05 AM - 04:10 AM	39.8	50.4	37.0
04:10 AM - 04:15 AM	41.4	54.2	37.9
04:15 AM - 04:20 AM	40.7	50.0	37.7
04:20 AM - 04:25 AM	40.9	47.1	38.5
04:25 AM - 04:30 AM	44.1	63.2	36.7
04:30 AM - 04:35 AM	42.0	53.9	37.6
04:35 AM - 04:40 AM	43.6	52.4	39.8
04:40 AM - 04:45 AM	42.9	53.4	40.3
04:45 AM - 04:50 AM	47.3	57.7	42.0
04:50 AM - 04:55 AM	43.4	55.1	39.0
04:55 AM - 05:00 AM	45.6	57.2	40.6
05:00 AM - 05:05 AM	43.5	51.1	40.4
05:05 AM - 05:10 AM	45.1	56.7	40.7
05:10 AM - 05:15 AM	45.6	56.6	41.0
05:15 AM - 05:20 AM	56.7	77.8	41.8
05:20 AM - 05:25 AM	47.0	61.3	42.8
05:25 AM - 05:30 AM	45.8	62.2	41.5
05:30 AM - 05:35 AM	47.5	66.1	42.8
05:35 AM - 05:40 AM	47.6	61.5	43.5
05:40 AM - 05:45 AM	46.4	54.3	43.8
05:45 AM - 05:50 AM	55.0	73.3	45.9
05:50 AM - 05:55 AM	50.1	61.7	45.7
05:55 AM - 06:00 AM	47.7	56.6	44.2
06:00 AM - 07:00 AM	51.5	61.9	48.5
07:00 AM - 08:00 AM	53.5	68.5	49.5
08:00 AM - 09:00 AM	51.6	69.0	46.2
09:00 AM - 10:00 AM	52.7	77.9	44.8
10:00 AM - 11:00 AM	54.1	74.5	45.6

Reference Method :

1. ISO 1996-1
2. ประกาศกรมโรงงานอุตสาหกรรม เรื่อง วิธีการตรวจวัดระดับเสียงรบกวน ระดับเสียงเฉลี่ย 24 ชั่วโมง และระดับเสียงสูงสุดที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2553

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Manager



## Analysis / Test Report

TESTING  
No.0042

Client : Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140

Lot ID: 23115913  
Date Received : Nov 03, 2023  
Date Reported : Nov 06, 2023  
Report No. : 2827148-1

P/O : RJN(2)-004/066  
Project Name : Pluak Daeng  
Project Location :

Page 1 of 3

Sample No. 23115913-4  
Parameter Noise  
Location บ้านวังศาลหมอน (N1) (GPS 47P 0734013, 1432165) (Shut down)  
Measurement Date Oct 30 - 31, 2023  
Measurement by Saknarin Jaraskay  
Sound Level Meter 597168

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	53.6	69.4	46.5
12:00 PM - 01:00 PM	53.9	74.3	46.0
01:00 PM - 02:00 PM	58.6	100.4	46.4
02:00 PM - 03:00 PM	60.3	87.1	54.6
03:00 PM - 04:00 PM	55.9	75.9	49.6
04:00 PM - 05:00 PM	60.0	95.8	50.2
05:00 PM - 06:00 PM	59.0	84.3	52.5
06:00 PM - 07:00 PM	56.6	77.7	52.4
07:00 PM - 08:00 PM	54.7	69.5	51.4
08:00 PM - 09:00 PM	55.8	66.8	51.6
09:00 PM - 10:00 PM	50.2	68.3	44.6
10:00 PM - 10:05 PM	53.2	62.4	46.1
10:05 PM - 10:10 PM	51.2	55.9	43.8
10:10 PM - 10:15 PM	50.9	59.2	44.0
10:15 PM - 10:20 PM	50.6	59.6	44.2
10:20 PM - 10:25 PM	49.3	61.2	43.2
10:25 PM - 10:30 PM	45.4	56.2	42.2
10:30 PM - 10:35 PM	45.0	51.4	42.6
10:35 PM - 10:40 PM	48.4	60.2	43.4
10:40 PM - 10:45 PM	47.4	57.2	42.8
10:45 PM - 10:50 PM	46.2	55.2	42.5
10:50 PM - 10:55 PM	46.8	55.6	42.7
10:55 PM - 11:00 PM	47.5	57.4	43.7
11:00 PM - 11:05 PM	47.4	58.2	43.5
11:05 PM - 11:10 PM	49.3	63.3	44.0
11:10 PM - 11:15 PM	47.3	55.4	44.0
11:15 PM - 11:20 PM	47.6	58.0	43.5
11:20 PM - 11:25 PM	47.6	57.3	42.3
11:25 PM - 11:30 PM	49.4	58.2	44.6
11:30 PM - 11:35 PM	52.4	68.9	43.2
11:35 PM - 11:40 PM	46.7	54.0	42.7
11:40 PM - 11:45 PM	47.9	60.9	42.4
11:45 PM - 11:50 PM	47.7	56.0	43.0
11:50 PM - 11:55 PM	48.1	56.6	43.0
11:55 PM - 12:00 AM	48.2	58.7	43.0
12:00 AM - 12:05 AM	47.8	54.5	42.5
12:05 AM - 12:10 AM	48.7	58.3	44.6
12:10 AM - 12:15 AM	47.5	53.8	42.6
12:15 AM - 12:20 AM	47.5	53.4	43.1
12:20 AM - 12:25 AM	47.7	60.8	42.7

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## Analysis / Test Report

TESTING  
No.0042

Client : Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140

Lot ID: 23115913  
Date Received : Nov 03, 2023  
Date Reported : Nov 06, 2023  
Report No. : 2827148-1

P/O : RJN(2)-004/066  
Project Name : Pluak Daeng  
Project Location :

Page 2 of 3

Sample No. 23115913-4  
Parameter Noise  
Location บ้านวังดาลหมอน (N1) (GPS 47P 0734013, 1432165) (Shut down)  
Measurement Date Oct 30 - 31, 2023  
Measurement by Saknarin Jaraskay  
Sound Level Meter 597168

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:25 AM - 12:30 AM	46.9	53.7	42.3
12:30 AM - 12:35 AM	46.9	53.9	42.4
12:35 AM - 12:40 AM	46.9	54.3	42.4
12:40 AM - 12:45 AM	47.2	54.5	42.3
12:45 AM - 12:50 AM	47.3	55.2	43.0
12:50 AM - 12:55 AM	46.8	54.8	42.4
12:55 AM - 01:00 AM	45.8	53.7	42.2
01:00 AM - 01:05 AM	46.5	56.6	42.3
01:05 AM - 01:10 AM	45.6	51.1	42.5
01:10 AM - 01:15 AM	45.2	50.7	42.2
01:15 AM - 01:20 AM	45.5	52.9	41.7
01:20 AM - 01:25 AM	46.5	57.4	42.2
01:25 AM - 01:30 AM	54.0	72.3	41.9
01:30 AM - 01:35 AM	45.4	53.6	41.9
01:35 AM - 01:40 AM	44.1	57.8	41.3
01:40 AM - 01:45 AM	43.7	52.6	41.2
01:45 AM - 01:50 AM	43.7	55.6	41.2
01:50 AM - 01:55 AM	43.1	49.4	41.2
01:55 AM - 02:00 AM	45.4	59.5	41.2
02:00 AM - 02:05 AM	44.3	54.1	40.9
02:05 AM - 02:10 AM	45.7	56.7	40.9
02:10 AM - 02:15 AM	43.3	52.2	40.5
02:15 AM - 02:20 AM	43.1	50.9	40.5
02:20 AM - 02:25 AM	44.2	52.8	40.8
02:25 AM - 02:30 AM	45.7	52.9	41.2
02:30 AM - 02:35 AM	44.1	51.2	41.0
02:35 AM - 02:40 AM	43.8	52.8	41.3
02:40 AM - 02:45 AM	45.2	55.2	41.0
02:45 AM - 02:50 AM	44.2	52.0	40.7
02:50 AM - 02:55 AM	48.3	60.6	41.1
02:55 AM - 03:00 AM	49.0	62.2	41.3
03:00 AM - 03:05 AM	47.1	60.7	40.8
03:05 AM - 03:10 AM	45.7	56.5	40.5
03:10 AM - 03:15 AM	44.5	51.2	39.6
03:15 AM - 03:20 AM	47.8	64.2	40.2
03:20 AM - 03:25 AM	45.0	55.2	39.9
03:25 AM - 03:30 AM	43.9	50.4	38.9
03:30 AM - 03:35 AM	44.3	51.9	38.7
03:35 AM - 03:40 AM	44.2	53.5	38.9
03:40 AM - 03:45 AM	44.5	52.2	38.8

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Approved by

Wilawan Borirak  
Manager



## Analysis / Test Report

TESTING  
No.0042

Client : Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140

Lot ID: 23115913  
Date Received : Nov 03, 2023  
Date Reported : Nov 06, 2023  
Report No. : 2827148-1

P/O : RJN(2)-004/066  
Project Name : Pluak Daeng  
Project Location :

Page 3 of 3

Sample No. 23115913-4  
Parameter Noise  
Location บ้านวังดาลหมอน (N1) (GPS 47P 0734013, 1432165) (Shut down)  
Measurement Date Oct 30 - 31, 2023  
Measurement by Saknarin Jaraskay  
Sound Level Meter 597168

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:45 AM - 03:50 AM	44.4	56.3	38.9
03:50 AM - 03:55 AM	46.3	54.4	41.1
03:55 AM - 04:00 AM	43.9	52.9	39.1
04:00 AM - 04:05 AM	48.1	61.4	40.6
04:05 AM - 04:10 AM	45.0	54.2	39.9
04:10 AM - 04:15 AM	45.0	56.4	39.6
04:15 AM - 04:20 AM	44.5	54.2	39.5
04:20 AM - 04:25 AM	46.3	56.5	41.1
04:25 AM - 04:30 AM	50.1	64.5	41.8
04:30 AM - 04:35 AM	46.8	55.4	41.1
04:35 AM - 04:40 AM	46.6	57.4	41.4
04:40 AM - 04:45 AM	50.5	61.1	43.6
04:45 AM - 04:50 AM	47.5	58.4	42.4
04:50 AM - 04:55 AM	47.5	56.9	42.4
04:55 AM - 05:00 AM	48.9	55.8	44.0
05:00 AM - 05:05 AM	50.7	64.4	45.2
05:05 AM - 05:10 AM	51.0	63.3	44.9
05:10 AM - 05:15 AM	51.7	65.1	45.3
05:15 AM - 05:20 AM	50.9	60.1	46.1
05:20 AM - 05:25 AM	51.8	63.2	47.2
05:25 AM - 05:30 AM	55.2	70.0	47.8
05:30 AM - 05:35 AM	50.3	57.3	47.7
05:35 AM - 05:40 AM	52.8	68.3	48.3
05:40 AM - 05:45 AM	53.4	66.7	49.4
05:45 AM - 05:50 AM	53.2	63.7	49.4
05:50 AM - 05:55 AM	55.0	71.1	49.2
05:55 AM - 06:00 AM	52.1	59.8	49.1
06:00 AM - 07:00 AM	58.0	77.3	51.6
07:00 AM - 08:00 AM	58.5	82.5	52.6
08:00 AM - 09:00 AM	56.6	77.8	49.4
09:00 AM - 10:00 AM	56.8	80.8	47.2
10:00 AM - 11:00 AM	56.6	79.2	48.4

Reference Method :

- ISO 1996-1
- ประกาศกรมโรงงานอุตสาหกรรม เรื่อง วิธีการตรวจวัดระดับเสียงรบกวน ระดับเสียงเฉลี่ย 24 ชั่วโมง และระดับเสียงสูงสุดที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2553

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Wilawan Borirak  
Manager



## Analysis / Test Report

TESTING  
No.0042

Client : Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140

Lot ID: 23115913  
Date Received : Nov 03, 2023  
Date Reported : Nov 06, 2023  
Report No. : 2827149-1

P/O : RJN(2)-004/066  
Project Name : Pluak Daeng  
Project Location :

Page 1 of 3

Sample No. 23115913-5  
Parameter Noise  
Location บ้านวังศาลหมอน (N1) (GPS 47P 0734013, 1432165) (Shut down)  
Measurement Date Oct 31 - Nov 01, 2023  
Measurement by Saknarin Jaraskay  
Sound Level Meter 597168

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	56.4	82.8	47.1
12:00 PM - 01:00 PM	54.0	82.9	48.2
01:00 PM - 02:00 PM	56.0	74.1	48.1
02:00 PM - 03:00 PM	55.4	82.9	47.2
03:00 PM - 04:00 PM	56.5	72.3	49.5
04:00 PM - 05:00 PM	57.7	74.8	50.2
05:00 PM - 06:00 PM	57.4	81.6	50.7
06:00 PM - 07:00 PM	54.7	76.8	50.4
07:00 PM - 08:00 PM	52.6	71.5	49.5
08:00 PM - 09:00 PM	52.6	65.3	49.9
09:00 PM - 10:00 PM	50.5	69.5	46.8
10:00 PM - 10:05 PM	50.2	62.3	45.6
10:05 PM - 10:10 PM	49.2	56.2	44.3
10:10 PM - 10:15 PM	46.8	60.2	43.1
10:15 PM - 10:20 PM	49.0	62.6	44.4
10:20 PM - 10:25 PM	49.2	56.4	45.3
10:25 PM - 10:30 PM	49.7	58.0	44.9
10:30 PM - 10:35 PM	49.0	55.4	44.5
10:35 PM - 10:40 PM	50.4	65.7	44.8
10:40 PM - 10:45 PM	47.7	54.7	44.3
10:45 PM - 10:50 PM	49.3	60.4	43.9
10:50 PM - 10:55 PM	48.7	64.4	44.4
10:55 PM - 11:00 PM	48.4	56.1	44.9
11:00 PM - 11:05 PM	49.4	63.7	45.3
11:05 PM - 11:10 PM	46.6	52.0	43.5
11:10 PM - 11:15 PM	46.6	53.9	43.6
11:15 PM - 11:20 PM	47.5	54.7	43.8
11:20 PM - 11:25 PM	49.0	62.2	43.7
11:25 PM - 11:30 PM	47.3	55.0	43.8
11:30 PM - 11:35 PM	47.1	56.1	43.4
11:35 PM - 11:40 PM	53.5	72.5	43.6
11:40 PM - 11:45 PM	52.7	70.1	43.2
11:45 PM - 11:50 PM	47.1	59.7	43.5
11:50 PM - 11:55 PM	53.8	70.9	44.1
11:55 PM - 12:00 AM	53.2	68.0	44.3
12:00 AM - 12:05 AM	49.0	57.3	43.9
12:05 AM - 12:10 AM	54.7	71.3	45.1
12:10 AM - 12:15 AM	48.9	56.4	44.6
12:15 AM - 12:20 AM	53.3	71.2	43.1
12:20 AM - 12:25 AM	46.6	55.5	41.8

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Approved by

Wilawan Borirak  
Manager



## Analysis / Test Report

TESTING  
No.0042

Client : Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140

Lot ID: 23115913  
Date Received : Nov 03, 2023  
Date Reported : Nov 06, 2023  
Report No. : 2827149-1

P/O : RJN(2)-004/066  
Project Name : Pluak Daeng  
Project Location :

Page 2 of 3

Sample No. 23115913-5  
Parameter Noise  
Location บ้านวังดาลหมอน (N1) (GPS 47P 0734013, 1432165) (Shut down)  
Measurement Date Oct 31 - Nov 01, 2023  
Measurement by Saknarin Jaraskay  
Sound Level Meter 597168

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:25 AM - 12:30 AM	46.4	56.6	42.2
12:30 AM - 12:35 AM	47.2	55.3	42.9
12:35 AM - 12:40 AM	46.5	52.9	43.2
12:40 AM - 12:45 AM	46.7	52.2	43.6
12:45 AM - 12:50 AM	48.3	61.9	43.2
12:50 AM - 12:55 AM	48.0	63.0	43.2
12:55 AM - 01:00 AM	45.1	55.4	42.7
01:00 AM - 01:05 AM	44.8	52.3	42.8
01:05 AM - 01:10 AM	47.9	63.0	42.7
01:10 AM - 01:15 AM	46.6	55.9	42.8
01:15 AM - 01:20 AM	48.6	64.4	42.6
01:20 AM - 01:25 AM	45.2	57.2	42.5
01:25 AM - 01:30 AM	46.0	55.4	42.5
01:30 AM - 01:35 AM	47.3	55.5	42.5
01:35 AM - 01:40 AM	47.5	53.4	42.8
01:40 AM - 01:45 AM	48.2	54.5	43.2
01:45 AM - 01:50 AM	48.5	58.8	42.8
01:50 AM - 01:55 AM	47.8	54.3	42.0
01:55 AM - 02:00 AM	47.4	53.8	42.3
02:00 AM - 02:05 AM	46.4	53.7	42.2
02:05 AM - 02:10 AM	45.5	52.1	41.7
02:10 AM - 02:15 AM	44.7	51.0	41.5
02:15 AM - 02:20 AM	45.4	53.3	41.4
02:20 AM - 02:25 AM	45.8	52.8	41.4
02:25 AM - 02:30 AM	46.2	53.2	42.1
02:30 AM - 02:35 AM	44.8	55.1	41.3
02:35 AM - 02:40 AM	45.9	53.0	41.0
02:40 AM - 02:45 AM	45.5	52.7	41.0
02:45 AM - 02:50 AM	47.3	56.3	41.2
02:50 AM - 02:55 AM	46.0	53.8	40.9
02:55 AM - 03:00 AM	46.3	58.6	41.0
03:00 AM - 03:05 AM	46.0	53.4	40.6
03:05 AM - 03:10 AM	45.7	53.9	40.7
03:10 AM - 03:15 AM	50.7	66.0	40.7
03:15 AM - 03:20 AM	46.3	57.6	41.3
03:20 AM - 03:25 AM	45.5	54.6	41.1
03:25 AM - 03:30 AM	44.8	52.4	41.4
03:30 AM - 03:35 AM	43.5	50.0	40.0
03:35 AM - 03:40 AM	43.9	53.1	39.5
03:40 AM - 03:45 AM	45.5	54.0	40.8

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

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Wilawan Borirak  
Manager



## Analysis / Test Report

TESTING  
No.0042

Client : Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140

Lot ID: 23115913  
Date Received : Nov 03, 2023  
Date Reported : Nov 06, 2023  
Report No. : 2827149-1

P/O : RJN(2)-004/066  
Project Name : Pluak Daeng  
Project Location :

Page 3 of 3

Sample No. 23115913-5  
Parameter Noise  
Location บ้านวังดาลหมอน (N1) (GPS 47P 0734013, 1432165) (Shut down)  
Measurement Date Oct 31 - Nov 01, 2023  
Measurement by Saknarin Jaraskay  
Sound Level Meter 597168

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:45 AM - 03:50 AM	47.4	59.1	41.0
03:50 AM - 03:55 AM	44.4	50.6	41.1
03:55 AM - 04:00 AM	45.4	51.9	41.6
04:00 AM - 04:05 AM	45.6	52.0	40.5
04:05 AM - 04:10 AM	48.6	59.1	43.2
04:10 AM - 04:15 AM	45.6	51.2	41.8
04:15 AM - 04:20 AM	47.5	56.6	42.6
04:20 AM - 04:25 AM	48.7	59.7	43.6
04:25 AM - 04:30 AM	48.3	60.5	43.3
04:30 AM - 04:35 AM	51.9	64.0	44.5
04:35 AM - 04:40 AM	47.2	61.7	42.5
04:40 AM - 04:45 AM	52.1	67.2	43.9
04:45 AM - 04:50 AM	48.5	67.9	44.5
04:50 AM - 04:55 AM	48.0	55.1	44.7
04:55 AM - 05:00 AM	51.1	62.4	45.7
05:00 AM - 05:05 AM	51.0	62.0	45.0
05:05 AM - 05:10 AM	49.3	57.1	44.3
05:10 AM - 05:15 AM	51.1	64.8	43.9
05:15 AM - 05:20 AM	50.9	65.3	44.7
05:20 AM - 05:25 AM	56.4	75.1	45.8
05:25 AM - 05:30 AM	52.9	69.2	47.1
05:30 AM - 05:35 AM	58.0	72.9	47.9
05:35 AM - 05:40 AM	50.7	63.1	47.2
05:40 AM - 05:45 AM	51.0	57.2	49.0
05:45 AM - 05:50 AM	53.3	71.4	48.2
05:50 AM - 05:55 AM	52.7	58.8	49.2
05:55 AM - 06:00 AM	56.6	67.9	50.2
06:00 AM - 07:00 AM	57.2	74.2	52.7
07:00 AM - 08:00 AM	56.8	75.1	51.3
08:00 AM - 09:00 AM	57.7	83.1	50.7
09:00 AM - 10:00 AM	56.6	79.8	48.5
10:00 AM - 11:00 AM	56.0	73.5	46.7

Reference Method :

- ISO 1996-1
- ประกาศกรมโรงงานอุตสาหกรรม เรื่อง วิธีการตรวจวัดระดับเสียงรบกวน ระดับเสียงเฉลี่ย 24 ชั่วโมง และระดับเสียงสูงสุดที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2553

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Wilawan Borirak  
Manager





## Analysis / Test Report

TESTING  
No.0042

Client : Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140

Lot ID: 23115913  
Date Received : Nov 03, 2023  
Date Reported : Nov 06, 2023  
Report No. : 2827150-1

P/O : RJN(2)-004/066  
Project Name : Pluak Daeng  
Project Location :

Page 1 of 3

Sample No. 23115913-6  
Parameter Noise  
Location บ้านวังศาลหมอน (N1) (GPS 47P 0734013, 1432165) (Shut down)  
Measurement Date Nov 01 - 02, 2023  
Measurement by Saknarin Jaraskay  
Sound Level Meter 597168

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	55.6	73.2	45.5
12:00 PM - 01:00 PM	54.3	79.6	46.1
01:00 PM - 02:00 PM	54.9	73.1	46.6
02:00 PM - 03:00 PM	56.9	79.2	46.2
03:00 PM - 04:00 PM	56.4	77.7	46.4
04:00 PM - 05:00 PM	57.1	77.1	50.5
05:00 PM - 06:00 PM	55.4	78.1	50.0
06:00 PM - 07:00 PM	52.9	69.6	49.1
07:00 PM - 08:00 PM	51.8	69.8	46.7
08:00 PM - 09:00 PM	51.5	73.1	46.0
09:00 PM - 10:00 PM	48.5	66.7	43.4
10:00 PM - 10:05 PM	46.1	55.5	42.3
10:05 PM - 10:10 PM	49.0	60.3	43.8
10:10 PM - 10:15 PM	50.3	67.9	43.1
10:15 PM - 10:20 PM	49.8	64.5	43.3
10:20 PM - 10:25 PM	53.8	71.4	41.5
10:25 PM - 10:30 PM	42.7	50.5	41.1
10:30 PM - 10:35 PM	47.0	62.1	41.9
10:35 PM - 10:40 PM	47.1	59.7	41.7
10:40 PM - 10:45 PM	48.1	58.3	43.0
10:45 PM - 10:50 PM	45.3	54.1	42.2
10:50 PM - 10:55 PM	45.2	58.8	42.0
10:55 PM - 11:00 PM	46.0	59.2	42.0
11:00 PM - 11:05 PM	45.3	58.0	42.2
11:05 PM - 11:10 PM	45.8	61.7	42.0
11:10 PM - 11:15 PM	44.0	54.1	41.7
11:15 PM - 11:20 PM	46.2	57.2	42.1
11:20 PM - 11:25 PM	44.5	55.2	41.3
11:25 PM - 11:30 PM	42.7	50.4	41.1
11:30 PM - 11:35 PM	43.2	53.2	41.1
11:35 PM - 11:40 PM	46.2	60.8	41.9
11:40 PM - 11:45 PM	47.6	60.6	42.1
11:45 PM - 11:50 PM	45.8	55.3	41.5
11:50 PM - 11:55 PM	43.2	53.4	41.3
11:55 PM - 12:00 AM	42.9	59.2	40.6
12:00 AM - 12:05 AM	45.2	55.4	41.3
12:05 AM - 12:10 AM	43.6	54.7	40.7
12:10 AM - 12:15 AM	42.2	50.7	40.5
12:15 AM - 12:20 AM	46.5	61.1	41.6
12:20 AM - 12:25 AM	43.2	50.5	40.2

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

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Wilawan Borirak  
Manager

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## Analysis / Test Report

TESTING  
No.0042

Client : Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140

Lot ID: 23115913  
Date Received : Nov 03, 2023  
Date Reported : Nov 06, 2023  
Report No. : 2827150-1

P/O : RJN(2)-004/066  
Project Name : Pluak Daeng  
Project Location :

Page 2 of 3

Sample No. 23115913-6  
Parameter Noise  
Location บ้านวังดาลหมอน (N1) (GPS 47P 0734013, 1432165) (Shut down)  
Measurement Date Nov 01 - 02, 2023  
Measurement by Saknarin Jaraskay  
Sound Level Meter 597168

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:25 AM - 12:30 AM	46.0	59.9	41.7
12:30 AM - 12:35 AM	43.9	51.2	41.0
12:35 AM - 12:40 AM	43.6	54.9	41.0
12:40 AM - 12:45 AM	43.2	51.2	40.7
12:45 AM - 12:50 AM	42.4	51.2	40.5
12:50 AM - 12:55 AM	43.3	59.8	40.9
12:55 AM - 01:00 AM	42.5	48.6	41.0
01:00 AM - 01:05 AM	42.5	50.2	40.6
01:05 AM - 01:10 AM	42.4	52.9	40.7
01:10 AM - 01:15 AM	43.3	53.9	40.5
01:15 AM - 01:20 AM	41.9	51.9	40.1
01:20 AM - 01:25 AM	41.8	47.6	39.9
01:25 AM - 01:30 AM	42.6	48.4	40.5
01:30 AM - 01:35 AM	41.9	48.9	40.0
01:35 AM - 01:40 AM	41.0	49.3	39.4
01:40 AM - 01:45 AM	41.3	47.7	39.5
01:45 AM - 01:50 AM	42.8	50.3	40.7
01:50 AM - 01:55 AM	42.6	49.3	40.4
01:55 AM - 02:00 AM	42.5	49.8	40.5
02:00 AM - 02:05 AM	45.4	56.8	40.7
02:05 AM - 02:10 AM	41.7	47.2	39.8
02:10 AM - 02:15 AM	41.6	53.0	39.5
02:15 AM - 02:20 AM	44.3	56.7	39.8
02:20 AM - 02:25 AM	41.2	50.2	39.3
02:25 AM - 02:30 AM	44.1	54.3	39.9
02:30 AM - 02:35 AM	42.0	51.6	39.3
02:35 AM - 02:40 AM	46.6	63.1	39.7
02:40 AM - 02:45 AM	42.2	55.9	38.9
02:45 AM - 02:50 AM	42.0	49.4	39.8
02:50 AM - 02:55 AM	42.6	50.0	40.1
02:55 AM - 03:00 AM	42.7	54.3	39.6
03:00 AM - 03:05 AM	47.1	65.4	39.6
03:05 AM - 03:10 AM	40.8	46.9	38.5
03:10 AM - 03:15 AM	40.8	54.3	37.9
03:15 AM - 03:20 AM	40.0	54.9	37.5
03:20 AM - 03:25 AM	38.9	45.0	37.5
03:25 AM - 03:30 AM	41.2	49.4	38.3
03:30 AM - 03:35 AM	40.6	49.1	37.9
03:35 AM - 03:40 AM	41.8	55.2	38.3
03:40 AM - 03:45 AM	42.2	51.8	38.8

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Approved by

Wilawan Borirak  
Manager



## Analysis / Test Report

TESTING  
No.0042

Client : Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140

Lot ID: 23115913  
Date Received : Nov 03, 2023  
Date Reported : Nov 06, 2023  
Report No. : 2827150-1

P/O : RJN(2)-004/066  
Project Name : Pluak Daeng  
Project Location :

Page 3 of 3

Sample No. 23115913-6  
Parameter Noise  
Location บ้านวังดาลหมอน (N1) (GPS 47P 0734013, 1432165) (Shut down)  
Measurement Date Nov 01 - 02, 2023  
Measurement by Saknarin Jaraskay  
Sound Level Meter 597168

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:45 AM - 03:50 AM	45.3	65.3	38.7
03:50 AM - 03:55 AM	43.2	53.1	39.7
03:55 AM - 04:00 AM	44.5	53.5	40.0
04:00 AM - 04:05 AM	49.5	63.5	40.8
04:05 AM - 04:10 AM	48.0	59.0	41.0
04:10 AM - 04:15 AM	48.8	58.2	41.1
04:15 AM - 04:20 AM	46.7	57.9	40.2
04:20 AM - 04:25 AM	46.1	58.0	40.2
04:25 AM - 04:30 AM	47.3	59.6	40.3
04:30 AM - 04:35 AM	52.5	67.6	41.6
04:35 AM - 04:40 AM	47.0	58.9	41.7
04:40 AM - 04:45 AM	48.0	63.6	42.1
04:45 AM - 04:50 AM	47.0	59.2	41.0
04:50 AM - 04:55 AM	45.7	53.7	42.5
04:55 AM - 05:00 AM	48.0	64.7	43.0
05:00 AM - 05:05 AM	54.6	68.3	44.2
05:05 AM - 05:10 AM	50.8	64.9	44.2
05:10 AM - 05:15 AM	48.5	65.1	44.0
05:15 AM - 05:20 AM	51.5	66.5	46.1
05:20 AM - 05:25 AM	49.8	59.6	45.7
05:25 AM - 05:30 AM	54.8	65.0	50.5
05:30 AM - 05:35 AM	53.5	62.4	50.7
05:35 AM - 05:40 AM	53.2	59.9	50.3
05:40 AM - 05:45 AM	53.9	61.9	50.5
05:45 AM - 05:50 AM	56.6	72.4	49.0
05:50 AM - 05:55 AM	51.8	60.8	47.4
05:55 AM - 06:00 AM	50.9	58.8	48.2
06:00 AM - 07:00 AM	56.0	76.2	50.6
07:00 AM - 08:00 AM	55.4	70.9	49.6
08:00 AM - 09:00 AM	54.1	69.0	47.6
09:00 AM - 10:00 AM	55.5	74.9	47.6
10:00 AM - 11:00 AM	53.7	72.3	46.5

Reference Method :

- ISO 1996-1
- ประกาศกรมโรงงานอุตสาหกรรม เรื่อง วิธีการตรวจวัดระดับเสียงรบกวน ระดับเสียงเฉลี่ย 24 ชั่วโมง และระดับเสียงสูงสุดที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2553

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Approved by

Wilawan Borirak  
Manager



## Analysis / Test Report

TESTING  
No.0042

Client : Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140

Lot ID: 23115913  
Date Received : Nov 03, 2023  
Date Reported : Nov 06, 2023  
Report No. : 2827151-1

P/O : RJN(2)-004/066  
Project Name : Pluak Daeng  
Project Location :

Page 1 of 3

Sample No. 23115913-7  
Parameter Noise  
Location บ้านวังศาลหมอน (N1) (GPS 47P 0734013, 1432165) (Shut down)  
Measurement Date Nov 02 - 03, 2023  
Measurement by Saknarin Jaraskay  
Sound Level Meter 597168

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	54.4	73.5	46.7
12:00 PM - 01:00 PM	52.8	76.2	45.2
01:00 PM - 02:00 PM	53.8	70.7	48.4
02:00 PM - 03:00 PM	53.8	77.1	46.8
03:00 PM - 04:00 PM	53.8	77.9	47.4
04:00 PM - 05:00 PM	56.5	83.3	49.9
05:00 PM - 06:00 PM	56.7	80.0	48.8
06:00 PM - 07:00 PM	52.7	69.9	48.6
07:00 PM - 08:00 PM	51.9	73.0	46.8
08:00 PM - 09:00 PM	50.6	74.0	45.7
09:00 PM - 10:00 PM	48.2	68.5	43.7
10:00 PM - 10:05 PM	44.2	50.9	40.9
10:05 PM - 10:10 PM	47.6	64.3	41.2
10:10 PM - 10:15 PM	44.7	57.2	39.9
10:15 PM - 10:20 PM	45.8	57.1	41.8
10:20 PM - 10:25 PM	44.3	54.2	41.5
10:25 PM - 10:30 PM	44.6	53.6	41.1
10:30 PM - 10:35 PM	52.5	72.8	41.0
10:35 PM - 10:40 PM	50.8	70.7	40.9
10:40 PM - 10:45 PM	44.8	59.1	40.9
10:45 PM - 10:50 PM	44.8	58.2	39.8
10:50 PM - 10:55 PM	44.6	55.0	39.9
10:55 PM - 11:00 PM	45.2	54.5	40.4
11:00 PM - 11:05 PM	45.3	57.5	40.0
11:05 PM - 11:10 PM	42.7	52.0	38.8
11:10 PM - 11:15 PM	44.2	52.0	38.9
11:15 PM - 11:20 PM	41.7	50.9	38.8
11:20 PM - 11:25 PM	43.8	58.3	39.1
11:25 PM - 11:30 PM	44.0	56.1	39.3
11:30 PM - 11:35 PM	45.2	61.1	40.1
11:35 PM - 11:40 PM	43.7	53.3	39.9
11:40 PM - 11:45 PM	44.0	52.4	39.7
11:45 PM - 11:50 PM	44.2	53.0	39.8
11:50 PM - 11:55 PM	44.2	53.3	39.5
11:55 PM - 12:00 AM	46.5	58.5	39.5
12:00 AM - 12:05 AM	45.0	53.7	39.5
12:05 AM - 12:10 AM	44.6	56.4	39.0
12:10 AM - 12:15 AM	43.1	57.9	38.9
12:15 AM - 12:20 AM	44.3	55.1	39.0
12:20 AM - 12:25 AM	44.3	55.4	38.7

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Approved by

Wilawan Borirak  
Manager

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## Analysis / Test Report

TESTING  
No.0042

Client : Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140

Lot ID: 23115913  
Date Received : Nov 03, 2023  
Date Reported : Nov 06, 2023  
Report No. : 2827151-1

P/O : RJN(2)-004/066  
Project Name : Pluak Daeng  
Project Location :

Page 2 of 3

Sample No. 23115913-7  
Parameter Noise  
Location บ้านวังดาลหมอน (N1) (GPS 47P 0734013, 1432165) (Shut down)  
Measurement Date Nov 02 - 03, 2023  
Measurement by Saknarin Jaraskay  
Sound Level Meter 597168

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:25 AM - 12:30 AM	43.6	56.3	38.3
12:30 AM - 12:35 AM	45.2	56.4	38.6
12:35 AM - 12:40 AM	42.6	56.4	38.7
12:40 AM - 12:45 AM	40.7	49.2	39.0
12:45 AM - 12:50 AM	47.6	65.5	39.9
12:50 AM - 12:55 AM	42.1	48.9	39.4
12:55 AM - 01:00 AM	43.2	51.1	39.9
01:00 AM - 01:05 AM	52.8	68.5	41.5
01:05 AM - 01:10 AM	46.1	51.4	41.4
01:10 AM - 01:15 AM	46.2	51.5	41.1
01:15 AM - 01:20 AM	47.1	53.7	44.9
01:20 AM - 01:25 AM	47.0	53.0	45.5
01:25 AM - 01:30 AM	46.7	53.0	42.9
01:30 AM - 01:35 AM	53.0	54.8	52.3
01:35 AM - 01:40 AM	52.1	54.9	42.2
01:40 AM - 01:45 AM	43.5	57.9	38.8
01:45 AM - 01:50 AM	44.0	51.5	39.0
01:50 AM - 01:55 AM	42.8	49.8	38.9
01:55 AM - 02:00 AM	42.5	49.9	38.2
02:00 AM - 02:05 AM	41.7	53.5	38.7
02:05 AM - 02:10 AM	39.5	42.6	38.4
02:10 AM - 02:15 AM	46.7	58.1	42.0
02:15 AM - 02:20 AM	43.0	48.5	41.1
02:20 AM - 02:25 AM	42.9	54.3	40.8
02:25 AM - 02:30 AM	45.6	58.0	41.1
02:30 AM - 02:35 AM	42.5	51.5	40.6
02:35 AM - 02:40 AM	45.4	55.6	41.2
02:40 AM - 02:45 AM	43.3	52.9	40.6
02:45 AM - 02:50 AM	47.9	64.4	41.0
02:50 AM - 02:55 AM	43.5	57.2	40.2
02:55 AM - 03:00 AM	43.3	50.7	41.1
03:00 AM - 03:05 AM	43.9	51.3	41.4
03:05 AM - 03:10 AM	44.0	55.6	40.9
03:10 AM - 03:15 AM	48.4	66.7	40.9
03:15 AM - 03:20 AM	42.1	48.2	39.8
03:20 AM - 03:25 AM	42.1	55.6	39.2
03:25 AM - 03:30 AM	41.3	56.2	38.8
03:30 AM - 03:35 AM	40.2	46.3	38.8
03:35 AM - 03:40 AM	42.5	50.7	39.6
03:40 AM - 03:45 AM	41.9	50.4	39.2

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Approved by

Wilawan Borirak  
Manager

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## Analysis / Test Report

TESTING  
No.0042

Client : Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140

Lot ID: 23115913  
Date Received : Nov 03, 2023  
Date Reported : Nov 06, 2023  
Report No. : 2827151-1

P/O : RJN(2)-004/066  
Project Name : Pluak Daeng  
Project Location :

Page 3 of 3

Sample No. 23115913-7  
Parameter Noise  
Location บ้านวังดาลหมอน (N1) (GPS 47P 0734013, 1432165) (Shut down)  
Measurement Date Nov 02 - 03, 2023  
Measurement by Saknarin Jaraskay  
Sound Level Meter 597168

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:45 AM - 03:50 AM	43.1	56.5	39.6
03:50 AM - 03:55 AM	43.5	53.1	40.1
03:55 AM - 04:00 AM	46.6	66.6	40.0
04:00 AM - 04:05 AM	44.5	54.4	41.0
04:05 AM - 04:10 AM	45.8	54.8	41.3
04:10 AM - 04:15 AM	50.8	64.8	42.1
04:15 AM - 04:20 AM	49.3	60.3	42.3
04:20 AM - 04:25 AM	50.1	59.5	42.4
04:25 AM - 04:30 AM	48.0	59.2	41.5
04:30 AM - 04:35 AM	47.4	59.3	41.5
04:35 AM - 04:40 AM	48.6	60.9	41.6
04:40 AM - 04:45 AM	53.8	68.9	42.9
04:45 AM - 04:50 AM	48.3	60.2	43.0
04:50 AM - 04:55 AM	49.3	64.9	43.4
04:55 AM - 05:00 AM	48.3	60.5	42.3
05:00 AM - 05:05 AM	47.0	55.0	43.8
05:05 AM - 05:10 AM	49.3	66.0	44.3
05:10 AM - 05:15 AM	55.9	69.6	45.5
05:15 AM - 05:20 AM	52.1	66.2	45.5
05:20 AM - 05:25 AM	49.8	66.4	45.3
05:25 AM - 05:30 AM	52.8	67.8	47.4
05:30 AM - 05:35 AM	51.1	60.9	47.0
05:35 AM - 05:40 AM	56.1	66.3	51.8
05:40 AM - 05:45 AM	54.8	63.7	52.0
05:45 AM - 05:50 AM	54.5	61.2	51.6
05:50 AM - 05:55 AM	55.2	63.2	51.8
05:55 AM - 06:00 AM	57.9	73.7	50.3
06:00 AM - 07:00 AM	56.9	77.5	51.5
07:00 AM - 08:00 AM	56.4	72.2	51.1
08:00 AM - 09:00 AM	56.0	70.3	49.3
09:00 AM - 10:00 AM	56.8	76.2	48.9
10:00 AM - 11:00 AM	54.9	73.6	48.1

Reference Method :

- ISO 1996-1
- ประกาศกรมโรงงานอุตสาหกรรม เรื่อง วิธีการตรวจวัดระดับเสียงรบกวน ระดับเสียงเฉลี่ย 24 ชั่วโมง และระดับเสียงสูงสุดที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2553

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Approved by

Wilawan Borirak  
Manager



## Analysis / Test Report

TESTING  
No.0042

Client : Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140

Lot ID: 23115913  
Date Received : Nov 03, 2023  
Date Reported : Nov 06, 2023  
Report No. : 2827152-1

P/O : RJN(2)-004/066  
Project Name : Pluak Daeng  
Project Location :

Page 1 of 3

Sample No. 23115913-8  
Parameter Noise  
Location บ้านพักอาศัย หมู่ 2 ซ. มานยางพร 15 (N2) (GPS 47P 0733679, 1433997) (Shut down)  
Measurement Date Oct 27 - 28, 2023  
Measurement by Saknarin Jaraskay  
Sound Level Meter 597169

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	60.2	84.3	48.6
12:00 PM - 01:00 PM	62.4	89.8	47.8
01:00 PM - 02:00 PM	58.7	84.4	47.9
02:00 PM - 03:00 PM	58.7	89.2	47.6
03:00 PM - 04:00 PM	58.4	89.9	49.2
04:00 PM - 05:00 PM	60.5	83.4	51.5
05:00 PM - 06:00 PM	63.7	87.8	52.9
06:00 PM - 07:00 PM	61.4	86.1	47.6
07:00 PM - 08:00 PM	61.8	85.6	50.0
08:00 PM - 09:00 PM	61.5	85.6	49.0
09:00 PM - 10:00 PM	56.3	81.0	46.8
10:00 PM - 10:05 PM	57.6	75.9	46.6
10:05 PM - 10:10 PM	57.7	74.3	46.7
10:10 PM - 10:15 PM	54.0	68.0	46.0
10:15 PM - 10:20 PM	60.7	81.0	46.2
10:20 PM - 10:25 PM	55.6	69.8	46.9
10:25 PM - 10:30 PM	52.4	70.1	46.5
10:30 PM - 10:35 PM	51.8	65.6	46.9
10:35 PM - 10:40 PM	55.0	72.8	46.9
10:40 PM - 10:45 PM	56.1	70.9	46.9
10:45 PM - 10:50 PM	53.7	70.2	46.8
10:50 PM - 10:55 PM	55.0	69.8	47.0
10:55 PM - 11:00 PM	59.2	73.9	47.7
11:00 PM - 11:05 PM	53.7	69.2	47.5
11:05 PM - 11:10 PM	53.7	68.7	48.0
11:10 PM - 11:15 PM	53.4	67.1	48.3
11:15 PM - 11:20 PM	52.6	68.4	47.8
11:20 PM - 11:25 PM	48.5	51.8	47.1
11:25 PM - 11:30 PM	55.0	72.4	46.5
11:30 PM - 11:35 PM	49.9	66.8	47.1
11:35 PM - 11:40 PM	49.0	63.3	47.1
11:40 PM - 11:45 PM	51.3	65.9	46.4
11:45 PM - 11:50 PM	52.6	72.6	45.9
11:50 PM - 11:55 PM	49.7	68.5	46.7
11:55 PM - 12:00 AM	59.2	81.6	45.9
12:00 AM - 12:05 AM	54.8	71.1	44.9
12:05 AM - 12:10 AM	51.6	70.2	44.6
12:10 AM - 12:15 AM	52.1	67.0	45.7
12:15 AM - 12:20 AM	51.6	66.8	45.8
12:20 AM - 12:25 AM	50.5	67.9	44.9

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Approved by

Wilawan Borirak  
Manager





## Analysis / Test Report

TESTING  
No.0042

Client : Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140

Lot ID: 23115913  
Date Received : Nov 03, 2023  
Date Reported : Nov 06, 2023  
Report No. : 2827152-1

P/O : RJN(2)-004/066  
Project Name : Pluak Daeng  
Project Location :

Page 2 of 3

Sample No. 23115913-8  
Parameter Noise  
Location บ้านพักอาศัย หมู่ 2 ซ. มานยางพร 15 (N2) (GPS 47P 0733679, 1433997) (Shut down)  
Measurement Date Oct 27 - 28, 2023  
Measurement by Saknarin Jaraskay  
Sound Level Meter 597169

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:25 AM - 12:30 AM	51.8	68.5	44.8
12:30 AM - 12:35 AM	47.2	61.1	44.7
12:35 AM - 12:40 AM	52.2	66.9	44.2
12:40 AM - 12:45 AM	51.2	68.1	43.3
12:45 AM - 12:50 AM	48.8	66.3	43.2
12:50 AM - 12:55 AM	53.3	72.3	42.8
12:55 AM - 01:00 AM	49.5	67.2	42.6
01:00 AM - 01:05 AM	47.0	63.6	43.7
01:05 AM - 01:10 AM	48.6	68.4	44.5
01:10 AM - 01:15 AM	50.3	66.3	44.9
01:15 AM - 01:20 AM	48.5	63.8	45.5
01:20 AM - 01:25 AM	49.5	65.3	46.0
01:25 AM - 01:30 AM	48.5	63.0	46.2
01:30 AM - 01:35 AM	51.6	69.1	44.6
01:35 AM - 01:40 AM	49.0	69.1	44.3
01:40 AM - 01:45 AM	49.1	66.2	43.9
01:45 AM - 01:50 AM	45.2	47.8	44.3
01:50 AM - 01:55 AM	56.9	76.4	44.3
01:55 AM - 02:00 AM	55.3	74.1	44.7
02:00 AM - 02:05 AM	45.4	48.2	44.4
02:05 AM - 02:10 AM	47.6	71.0	45.1
02:10 AM - 02:15 AM	51.3	71.6	44.8
02:15 AM - 02:20 AM	46.2	48.8	45.2
02:20 AM - 02:25 AM	47.9	64.8	44.3
02:25 AM - 02:30 AM	46.7	54.7	45.5
02:30 AM - 02:35 AM	48.2	64.2	45.9
02:35 AM - 02:40 AM	48.9	62.9	45.8
02:40 AM - 02:45 AM	47.2	56.9	45.6
02:45 AM - 02:50 AM	47.2	57.2	45.7
02:50 AM - 02:55 AM	52.9	70.4	43.1
02:55 AM - 03:00 AM	45.8	58.4	42.3
03:00 AM - 03:05 AM	48.5	63.7	42.5
03:05 AM - 03:10 AM	46.1	49.7	44.9
03:10 AM - 03:15 AM	44.0	48.1	42.6
03:15 AM - 03:20 AM	44.7	50.3	43.2
03:20 AM - 03:25 AM	44.9	48.4	43.7
03:25 AM - 03:30 AM	45.4	48.5	44.5
03:30 AM - 03:35 AM	47.9	64.7	44.3
03:35 AM - 03:40 AM	57.4	67.5	44.9
03:40 AM - 03:45 AM	60.0	71.3	52.5

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

Approved by

Wilawan Borirak  
Manager



## Analysis / Test Report

TESTING  
No.0042

Client : Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140

Lot ID: 23115913  
Date Received : Nov 03, 2023  
Date Reported : Nov 06, 2023  
Report No. : 2827152-1

P/O : RJN(2)-004/066  
Project Name : Pluak Daeng  
Project Location :

Page 3 of 3

Sample No. 23115913-8  
Parameter Noise  
Location บ้านพักอาศัย หมู่ 2 ซ. มานายางพร 15 (N2) (GPS 47P 0733679, 1433997) (Shut down)  
Measurement Date Oct 27 - 28, 2023  
Measurement by Saknarin Jaraskay  
Sound Level Meter 597169

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:45 AM - 03:50 AM	56.6	76.4	45.6
03:50 AM - 03:55 AM	52.4	68.3	47.4
03:55 AM - 04:00 AM	48.6	57.5	46.9
04:00 AM - 04:05 AM	52.7	70.0	47.5
04:05 AM - 04:10 AM	48.5	61.9	44.5
04:10 AM - 04:15 AM	49.9	66.4	46.0
04:15 AM - 04:20 AM	53.9	71.3	46.5
04:20 AM - 04:25 AM	53.6	69.0	47.1
04:25 AM - 04:30 AM	53.8	69.9	47.5
04:30 AM - 04:35 AM	50.8	64.5	47.9
04:35 AM - 04:40 AM	52.2	66.4	48.6
04:40 AM - 04:45 AM	50.7	62.8	48.4
04:45 AM - 04:50 AM	55.2	72.0	48.4
04:50 AM - 04:55 AM	54.8	70.9	48.2
04:55 AM - 05:00 AM	53.7	68.1	48.4
05:00 AM - 05:05 AM	64.9	87.0	49.0
05:05 AM - 05:10 AM	52.6	67.3	48.9
05:10 AM - 05:15 AM	52.6	64.9	49.2
05:15 AM - 05:20 AM	53.9	68.5	49.4
05:20 AM - 05:25 AM	53.8	68.1	49.5
05:25 AM - 05:30 AM	55.0	69.6	49.5
05:30 AM - 05:35 AM	55.4	68.8	49.8
05:35 AM - 05:40 AM	55.3	69.1	50.1
05:40 AM - 05:45 AM	54.8	68.4	50.0
05:45 AM - 05:50 AM	57.2	71.3	50.4
05:50 AM - 05:55 AM	56.4	68.5	51.0
05:55 AM - 06:00 AM	59.2	71.9	51.2
06:00 AM - 07:00 AM	61.7	85.1	52.3
07:00 AM - 08:00 AM	64.5	85.1	53.5
08:00 AM - 09:00 AM	61.2	84.4	49.6
09:00 AM - 10:00 AM	58.2	76.7	48.0
10:00 AM - 11:00 AM	59.7	83.3	48.3

Reference Method :

- ISO 1996-1
- ประกาศกรมโรงงานอุตสาหกรรม เรื่อง วิธีการตรวจวัดระดับเสียงรบกวน ระดับเสียงเฉลี่ย 24 ชั่วโมง และระดับเสียงสูงสุดที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2553

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Approved by

Wilawan Borirak  
Manager



## Analysis / Test Report

TESTING  
No.0042

Client : Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140

Lot ID: 23115913  
Date Received : Nov 03, 2023  
Date Reported : Nov 06, 2023  
Report No. : 2827153-1

P/O : RJN(2)-004/066  
Project Name : Pluak Daeng  
Project Location :

Page 1 of 3

Sample No. 23115913-9  
Parameter Noise  
Location บ้านพักอาศัย หมู่ 2 ซ. มานยางพร 15 (N2) (GPS 47P 0733679, 1433997) (Shut down)  
Measurement Date Oct 28 - 29, 2023  
Measurement by Saknarin Jaraskay  
Sound Level Meter 597169

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	61.4	88.5	47.7
12:00 PM - 01:00 PM	59.4	85.3	47.9
01:00 PM - 02:00 PM	58.5	80.9	45.2
02:00 PM - 03:00 PM	59.9	80.7	53.1
03:00 PM - 04:00 PM	63.5	89.5	56.2
04:00 PM - 05:00 PM	64.0	91.5	55.4
05:00 PM - 06:00 PM	64.9	84.6	57.9
06:00 PM - 07:00 PM	62.5	81.3	53.4
07:00 PM - 08:00 PM	62.9	88.4	54.7
08:00 PM - 09:00 PM	60.0	86.9	49.2
09:00 PM - 10:00 PM	57.3	82.8	47.8
10:00 PM - 10:05 PM	53.7	71.8	47.5
10:05 PM - 10:10 PM	53.1	69.5	46.8
10:10 PM - 10:15 PM	56.1	74.5	46.9
10:15 PM - 10:20 PM	56.3	72.3	47.3
10:20 PM - 10:25 PM	54.4	71.8	47.5
10:25 PM - 10:30 PM	54.4	75.3	47.5
10:30 PM - 10:35 PM	60.3	82.2	47.7
10:35 PM - 10:40 PM	53.1	68.0	47.8
10:40 PM - 10:45 PM	53.1	69.2	48.1
10:45 PM - 10:50 PM	53.1	71.2	48.2
10:50 PM - 10:55 PM	50.0	64.1	47.4
10:55 PM - 11:00 PM	53.4	70.5	47.6
11:00 PM - 11:05 PM	55.7	72.3	47.4
11:05 PM - 11:10 PM	51.0	65.9	47.7
11:10 PM - 11:15 PM	54.8	68.2	47.8
11:15 PM - 11:20 PM	49.0	55.1	47.9
11:20 PM - 11:25 PM	61.2	84.8	47.3
11:25 PM - 11:30 PM	50.7	65.2	47.3
11:30 PM - 11:35 PM	51.9	71.1	46.9
11:35 PM - 11:40 PM	54.4	71.8	47.5
11:40 PM - 11:45 PM	51.5	71.3	47.8
11:45 PM - 11:50 PM	49.3	62.9	47.6
11:50 PM - 11:55 PM	50.6	66.5	47.5
11:55 PM - 12:00 AM	53.5	71.7	47.5
12:00 AM - 12:05 AM	55.2	73.3	46.8
12:05 AM - 12:10 AM	52.1	69.3	46.4
12:10 AM - 12:15 AM	55.9	72.2	46.5
12:15 AM - 12:20 AM	54.3	67.1	46.3
12:20 AM - 12:25 AM	55.1	69.0	45.8

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Wilawan Borirak  
Manager

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## Analysis / Test Report

TESTING  
No.0042

Client : Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140

Lot ID: 23115913  
Date Received : Nov 03, 2023  
Date Reported : Nov 06, 2023  
Report No. : 2827153-1

P/O : RJN(2)-004/066  
Project Name : Pluak Daeng  
Project Location :

Page 2 of 3

Sample No. 23115913-9  
Parameter Noise  
Location บ้านพักอาศัย หมู่ 2 ซ.มาบยางพร 15 (N2) (GPS 47P 0733679, 1433997) (Shut down)  
Measurement Date Oct 28 - 29, 2023  
Measurement by Saknarin Jaraskay  
Sound Level Meter 597169

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:25 AM - 12:30 AM	53.2	68.0	46.2
12:30 AM - 12:35 AM	48.5	63.2	45.7
12:35 AM - 12:40 AM	52.2	68.6	45.1
12:40 AM - 12:45 AM	49.5	65.7	45.3
12:45 AM - 12:50 AM	52.8	70.6	45.0
12:50 AM - 12:55 AM	52.1	72.5	44.9
12:55 AM - 01:00 AM	54.4	72.2	44.2
01:00 AM - 01:05 AM	51.2	66.3	44.0
01:05 AM - 01:10 AM	45.1	50.4	44.2
01:10 AM - 01:15 AM	51.7	67.9	43.7
01:15 AM - 01:20 AM	54.5	72.7	43.9
01:20 AM - 01:25 AM	51.7	67.0	44.0
01:25 AM - 01:30 AM	52.0	74.5	44.5
01:30 AM - 01:35 AM	58.7	72.1	45.4
01:35 AM - 01:40 AM	53.6	71.2	44.8
01:40 AM - 01:45 AM	52.1	65.6	45.6
01:45 AM - 01:50 AM	52.5	70.2	44.9
01:50 AM - 01:55 AM	48.4	56.0	45.4
01:55 AM - 02:00 AM	51.7	69.5	45.3
02:00 AM - 02:05 AM	55.3	72.0	44.4
02:05 AM - 02:10 AM	44.8	61.2	42.6
02:10 AM - 02:15 AM	45.7	57.2	43.8
02:15 AM - 02:20 AM	48.9	67.6	43.7
02:20 AM - 02:25 AM	51.2	69.2	43.0
02:25 AM - 02:30 AM	48.0	68.6	42.9
02:30 AM - 02:35 AM	49.1	69.0	45.2
02:35 AM - 02:40 AM	50.1	67.0	44.2
02:40 AM - 02:45 AM	45.9	58.7	43.1
02:45 AM - 02:50 AM	49.6	67.2	42.4
02:50 AM - 02:55 AM	45.1	49.1	43.6
02:55 AM - 03:00 AM	48.7	66.7	44.4
03:00 AM - 03:05 AM	49.5	68.7	44.9
03:05 AM - 03:10 AM	49.4	68.2	45.2
03:10 AM - 03:15 AM	49.6	68.6	44.7
03:15 AM - 03:20 AM	46.9	58.6	44.8
03:20 AM - 03:25 AM	53.3	73.7	45.3
03:25 AM - 03:30 AM	45.3	49.2	44.0
03:30 AM - 03:35 AM	45.5	48.7	44.3
03:35 AM - 03:40 AM	51.1	66.6	44.7
03:40 AM - 03:45 AM	49.7	65.7	45.6

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Approved by

Wilawan Borirak  
Manager



## Analysis / Test Report

TESTING  
No.0042

Client : Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140

Lot ID: 23115913  
Date Received : Nov 03, 2023  
Date Reported : Nov 06, 2023  
Report No. : 2827153-1

P/O : RJN(2)-004/066  
Project Name : Pluak Daeng  
Project Location :

Page 3 of 3

Sample No. 23115913-9  
Parameter Noise  
Location บ้านพักอาศัย หมู่ 2 ซ.มาบยางพร 15 (N2) (GPS 47P 0733679, 1433997) (Shut down)  
Measurement Date Oct 28 - 29, 2023  
Measurement by Saknarin Jaraskay  
Sound Level Meter 597169

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:45 AM - 03:50 AM	51.1	66.6	46.0
03:50 AM - 03:55 AM	52.2	67.7	46.1
03:55 AM - 04:00 AM	47.0	56.5	45.7
04:00 AM - 04:05 AM	49.4	62.4	46.4
04:05 AM - 04:10 AM	50.7	65.6	45.9
04:10 AM - 04:15 AM	52.9	70.9	46.4
04:15 AM - 04:20 AM	50.0	62.2	46.8
04:20 AM - 04:25 AM	55.1	74.0	46.5
04:25 AM - 04:30 AM	53.6	71.6	47.4
04:30 AM - 04:35 AM	49.6	61.7	47.5
04:35 AM - 04:40 AM	52.3	65.7	48.0
04:40 AM - 04:45 AM	50.7	66.6	47.9
04:45 AM - 04:50 AM	54.4	73.9	47.5
04:50 AM - 04:55 AM	54.5	75.2	47.8
04:55 AM - 05:00 AM	53.3	69.1	48.3
05:00 AM - 05:05 AM	61.4	74.9	49.3
05:05 AM - 05:10 AM	60.9	74.3	49.7
05:10 AM - 05:15 AM	55.1	70.4	47.7
05:15 AM - 05:20 AM	55.6	68.1	48.3
05:20 AM - 05:25 AM	53.3	69.5	48.1
05:25 AM - 05:30 AM	58.5	79.1	48.5
05:30 AM - 05:35 AM	54.6	68.3	48.8
05:35 AM - 05:40 AM	56.0	67.8	49.4
05:40 AM - 05:45 AM	54.9	67.9	48.9
05:45 AM - 05:50 AM	55.5	69.7	49.0
05:50 AM - 05:55 AM	60.0	87.7	49.9
05:55 AM - 06:00 AM	54.5	67.6	49.6
06:00 AM - 07:00 AM	59.3	81.2	50.3
07:00 AM - 08:00 AM	61.7	79.9	51.2
08:00 AM - 09:00 AM	60.1	83.1	49.2
09:00 AM - 10:00 AM	58.6	76.5	47.4
10:00 AM - 11:00 AM	58.7	84.2	46.0

Reference Method :

- ISO 1996-1
- ประกาศกรมโรงงานอุตสาหกรรม เรื่อง วิธีการตรวจวัดระดับเสียงรบกวน ระดับเสียงเฉลี่ย 24 ชั่วโมง และระดับเสียงสูงสุดที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2553

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Wilawan Borirak  
Manager



## Analysis / Test Report

TESTING  
No.0042

Client : Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140

Lot ID: 23115913  
Date Received : Nov 03, 2023  
Date Reported : Nov 06, 2023  
Report No. : 2827154-1

P/O : RJN(2)-004/066  
Project Name : Pluak Daeng  
Project Location :

Page 1 of 3

Sample No. 23115913-10  
Parameter Noise  
Location บ้านพักอาศัย หมู่ 2 ซ. มาบยางพร 15 (N2) (GPS 47P 0733679, 1433997) (Shut down)  
Measurement Date Oct 29 - 30, 2023  
Measurement by Saknarin Jaraskay  
Sound Level Meter 597169

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	60.4	86.9	46.0
12:00 PM - 01:00 PM	58.5	86.3	48.2
01:00 PM - 02:00 PM	65.3	91.1	58.2
02:00 PM - 03:00 PM	61.4	80.3	50.4
03:00 PM - 04:00 PM	60.2	84.3	50.3
04:00 PM - 05:00 PM	61.7	90.0	51.9
05:00 PM - 06:00 PM	64.2	90.7	54.4
06:00 PM - 07:00 PM	61.2	83.7	52.0
07:00 PM - 08:00 PM	59.4	82.8	52.0
08:00 PM - 09:00 PM	59.2	81.1	52.3
09:00 PM - 10:00 PM	58.8	90.5	46.6
10:00 PM - 10:05 PM	54.3	70.7	47.4
10:05 PM - 10:10 PM	51.0	67.2	46.9
10:10 PM - 10:15 PM	51.6	66.0	47.8
10:15 PM - 10:20 PM	56.8	72.3	49.0
10:20 PM - 10:25 PM	56.0	71.4	48.8
10:25 PM - 10:30 PM	55.0	71.5	48.0
10:30 PM - 10:35 PM	55.3	75.8	47.7
10:35 PM - 10:40 PM	60.9	75.5	47.3
10:40 PM - 10:45 PM	54.0	70.3	46.4
10:45 PM - 10:50 PM	51.8	68.4	46.7
10:50 PM - 10:55 PM	56.9	79.6	48.0
10:55 PM - 11:00 PM	56.1	74.9	47.5
11:00 PM - 11:05 PM	50.0	64.5	46.8
11:05 PM - 11:10 PM	49.7	60.7	46.7
11:10 PM - 11:15 PM	50.4	66.7	46.9
11:15 PM - 11:20 PM	51.7	68.7	47.2
11:20 PM - 11:25 PM	50.5	63.1	47.9
11:25 PM - 11:30 PM	53.6	67.5	47.8
11:30 PM - 11:35 PM	53.8	74.0	47.7
11:35 PM - 11:40 PM	50.6	68.3	47.1
11:40 PM - 11:45 PM	48.2	51.8	46.6
11:45 PM - 11:50 PM	50.4	64.7	46.8
11:50 PM - 11:55 PM	47.0	51.5	45.7
11:55 PM - 12:00 AM	58.5	79.7	45.9
12:00 AM - 12:05 AM	50.3	69.1	46.0
12:05 AM - 12:10 AM	52.6	71.6	45.8
12:10 AM - 12:15 AM	52.3	69.0	46.1
12:15 AM - 12:20 AM	51.1	66.6	46.4
12:20 AM - 12:25 AM	49.3	68.2	45.6

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Approved by

Wilawan Borirak  
Manager

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## Analysis / Test Report

TESTING  
No.0042

Client : Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140

Lot ID: 23115913  
Date Received : Nov 03, 2023  
Date Reported : Nov 06, 2023  
Report No. : 2827154-1

P/O : RJN(2)-004/066  
Project Name : Pluak Daeng  
Project Location :

Page 2 of 3

Sample No. 23115913-10  
Parameter Noise  
Location บ้านพักอาศัย หมู่ 2 ซ.มาบยางพร 15 (N2) (GPS 47P 0733679, 1433997) (Shut down)  
Measurement Date Oct 29 - 30, 2023  
Measurement by Saknarin Jaraskay  
Sound Level Meter 597169

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:25 AM - 12:30 AM	48.5	66.2	45.4
12:30 AM - 12:35 AM	55.7	74.4	45.7
12:35 AM - 12:40 AM	48.8	66.0	45.6
12:40 AM - 12:45 AM	51.5	69.4	46.3
12:45 AM - 12:50 AM	49.1	57.7	47.1
12:50 AM - 12:55 AM	56.7	78.6	46.9
12:55 AM - 01:00 AM	50.3	64.8	46.5
01:00 AM - 01:05 AM	50.9	67.0	46.5
01:05 AM - 01:10 AM	47.6	50.9	46.1
01:10 AM - 01:15 AM	51.8	80.4	46.4
01:15 AM - 01:20 AM	49.1	65.5	46.1
01:20 AM - 01:25 AM	48.8	63.1	46.4
01:25 AM - 01:30 AM	47.8	50.9	46.3
01:30 AM - 01:35 AM	48.3	54.1	46.7
01:35 AM - 01:40 AM	49.5	62.4	47.1
01:40 AM - 01:45 AM	48.4	52.1	46.8
01:45 AM - 01:50 AM	52.8	72.4	46.7
01:50 AM - 01:55 AM	54.4	74.6	46.7
01:55 AM - 02:00 AM	50.0	63.6	47.0
02:00 AM - 02:05 AM	51.9	71.6	46.5
02:05 AM - 02:10 AM	52.2	71.2	46.7
02:10 AM - 02:15 AM	50.6	66.3	46.9
02:15 AM - 02:20 AM	47.9	51.3	46.3
02:20 AM - 02:25 AM	48.4	52.2	46.8
02:25 AM - 02:30 AM	47.9	51.4	46.3
02:30 AM - 02:35 AM	50.1	66.5	46.6
02:35 AM - 02:40 AM	48.5	52.2	46.6
02:40 AM - 02:45 AM	52.7	71.7	46.8
02:45 AM - 02:50 AM	49.9	64.5	47.0
02:50 AM - 02:55 AM	49.5	58.1	46.8
02:55 AM - 03:00 AM	48.4	55.3	45.8
03:00 AM - 03:05 AM	48.5	58.8	46.4
03:05 AM - 03:10 AM	48.3	52.2	46.3
03:10 AM - 03:15 AM	49.6	65.4	46.2
03:15 AM - 03:20 AM	50.5	61.2	46.8
03:20 AM - 03:25 AM	52.5	66.3	47.0
03:25 AM - 03:30 AM	51.7	63.2	47.1
03:30 AM - 03:35 AM	51.7	62.0	47.4
03:35 AM - 03:40 AM	55.0	70.0	47.1
03:40 AM - 03:45 AM	51.3	66.6	47.1

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Approved by

Wilawan Borirak  
Manager





## Analysis / Test Report

TESTING  
No.0042

Client : Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140

Lot ID: 23115913  
Date Received : Nov 03, 2023  
Date Reported : Nov 06, 2023  
Report No. : 2827154-1

P/O : RJN(2)-004/066  
Project Name : Pluak Daeng  
Project Location :

Page 3 of 3

Sample No. 23115913-10  
Parameter Noise  
Location บ้านพักอาศัย หมู่ 2 ซ.มาบยางพร 15 (N2) (GPS 47P 0733679, 1433997) (Shut down)  
Measurement Date Oct 29 - 30, 2023  
Measurement by Saknarin Jaraskay  
Sound Level Meter 597169

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:45 AM - 03:50 AM	52.6	68.6	47.1
03:50 AM - 03:55 AM	49.8	53.5	48.0
03:55 AM - 04:00 AM	51.5	67.6	48.3
04:00 AM - 04:05 AM	52.5	67.1	48.3
04:05 AM - 04:10 AM	53.8	71.2	48.4
04:10 AM - 04:15 AM	51.8	66.9	49.0
04:15 AM - 04:20 AM	53.6	72.0	48.8
04:20 AM - 04:25 AM	50.6	53.9	49.2
04:25 AM - 04:30 AM	54.3	70.9	48.3
04:30 AM - 04:35 AM	54.5	73.2	49.4
04:35 AM - 04:40 AM	51.9	62.2	49.9
04:40 AM - 04:45 AM	54.4	70.5	50.5
04:45 AM - 04:50 AM	52.5	67.4	50.1
04:50 AM - 04:55 AM	55.1	70.1	49.9
04:55 AM - 05:00 AM	52.6	68.4	49.8
05:00 AM - 05:05 AM	53.2	63.3	50.6
05:05 AM - 05:10 AM	52.4	61.5	50.0
05:10 AM - 05:15 AM	51.7	64.5	49.6
05:15 AM - 05:20 AM	55.8	69.0	49.9
05:20 AM - 05:25 AM	52.5	63.5	49.7
05:25 AM - 05:30 AM	60.5	81.2	50.0
05:30 AM - 05:35 AM	57.6	70.4	50.5
05:35 AM - 05:40 AM	56.6	73.3	50.1
05:40 AM - 05:45 AM	54.7	68.7	50.6
05:45 AM - 05:50 AM	56.7	67.7	51.6
05:50 AM - 05:55 AM	60.8	79.5	52.4
05:55 AM - 06:00 AM	58.7	72.3	52.7
06:00 AM - 07:00 AM	63.0	83.4	53.7
07:00 AM - 08:00 AM	65.3	87.3	55.1
08:00 AM - 09:00 AM	61.5	92.9	49.5
09:00 AM - 10:00 AM	58.1	77.2	47.1
10:00 AM - 11:00 AM	58.3	83.3	44.2

Reference Method :

- ISO 1996-1
- ประกาศกรมโรงงานอุตสาหกรรม เรื่อง วิธีการตรวจวัดระดับเสียงรบกวน ระดับเสียงเฉลี่ย 24 ชั่วโมง และระดับเสียงสูงสุดที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2553

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Approved by

Wilawan Borirak  
Manager



## Analysis / Test Report

TESTING  
No.0042

Client : Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140

Lot ID: 23115913  
Date Received : Nov 03, 2023  
Date Reported : Nov 06, 2023  
Report No. : 2827155-1

P/O : RJN(2)-004/066  
Project Name : Pluak Daeng  
Project Location :

Page 1 of 3

Sample No. 23115913-11  
Parameter Noise  
Location บ้านพักอาศัย หมู่ 2 ซ. มานยางพร 15 (N2) (GPS 47P 0733679, 1433997) (Shut down)  
Measurement Date Oct 30 - 31, 2023  
Measurement by Saknarin Jaraskay  
Sound Level Meter 597169

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	58.4	88.2	43.4
12:00 PM - 01:00 PM	60.9	85.8	45.5
01:00 PM - 02:00 PM	60.7	84.6	46.6
02:00 PM - 03:00 PM	62.8	86.4	57.2
03:00 PM - 04:00 PM	61.2	88.2	50.4
04:00 PM - 05:00 PM	61.6	86.4	53.3
05:00 PM - 06:00 PM	64.6	82.4	57.9
06:00 PM - 07:00 PM	63.9	84.5	57.4
07:00 PM - 08:00 PM	63.7	87.3	55.3
08:00 PM - 09:00 PM	61.9	85.6	53.3
09:00 PM - 10:00 PM	56.8	74.0	50.2
10:00 PM - 10:05 PM	56.1	71.9	51.7
10:05 PM - 10:10 PM	58.6	73.0	51.8
10:10 PM - 10:15 PM	55.3	70.1	50.3
10:15 PM - 10:20 PM	53.4	70.4	48.9
10:20 PM - 10:25 PM	51.3	57.0	49.2
10:25 PM - 10:30 PM	54.2	63.4	51.2
10:30 PM - 10:35 PM	54.6	67.9	51.0
10:35 PM - 10:40 PM	53.8	63.3	50.9
10:40 PM - 10:45 PM	53.9	68.3	50.9
10:45 PM - 10:50 PM	56.6	71.3	50.9
10:50 PM - 10:55 PM	56.2	74.6	50.4
10:55 PM - 11:00 PM	52.1	56.6	49.4
11:00 PM - 11:05 PM	52.0	56.3	49.4
11:05 PM - 11:10 PM	52.5	56.9	49.9
11:10 PM - 11:15 PM	53.4	64.4	50.2
11:15 PM - 11:20 PM	52.5	62.9	49.0
11:20 PM - 11:25 PM	55.6	72.6	46.5
11:25 PM - 11:30 PM	52.8	68.7	47.0
11:30 PM - 11:35 PM	50.8	56.0	47.6
11:35 PM - 11:40 PM	51.7	67.5	47.7
11:40 PM - 11:45 PM	59.3	78.1	48.8
11:45 PM - 11:50 PM	50.3	67.4	46.5
11:50 PM - 11:55 PM	47.8	53.3	46.3
11:55 PM - 12:00 AM	50.9	69.0	46.5
12:00 AM - 12:05 AM	53.1	67.7	48.2
12:05 AM - 12:10 AM	58.0	82.4	48.5
12:10 AM - 12:15 AM	58.1	79.3	49.0
12:15 AM - 12:20 AM	50.1	63.7	47.1
12:20 AM - 12:25 AM	50.2	66.4	47.0

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Approved by

Wilawan Borirak  
Manager

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## Analysis / Test Report

TESTING  
No.0042

Client : Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140

Lot ID: 23115913  
Date Received : Nov 03, 2023  
Date Reported : Nov 06, 2023  
Report No. : 2827155-1

P/O : RJN(2)-004/066  
Project Name : Pluak Daeng  
Project Location :

Page 2 of 3

Sample No. 23115913-11  
Parameter Noise  
Location บ้านพักอาศัย หมู่ 2 ซ.มาบยางพร 15 (N2) (GPS 47P 0733679, 1433997) (Shut down)  
Measurement Date Oct 30 - 31, 2023  
Measurement by Saknarin Jaraskay  
Sound Level Meter 597169

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:25 AM - 12:30 AM	49.1	61.4	46.8
12:30 AM - 12:35 AM	56.8	77.5	47.9
12:35 AM - 12:40 AM	51.4	59.0	48.8
12:40 AM - 12:45 AM	51.7	58.1	49.4
12:45 AM - 12:50 AM	53.1	66.1	49.4
12:50 AM - 12:55 AM	54.5	75.9	48.8
12:55 AM - 01:00 AM	54.7	73.2	48.2
01:00 AM - 01:05 AM	49.4	52.7	48.0
01:05 AM - 01:10 AM	50.1	68.3	47.3
01:10 AM - 01:15 AM	50.5	64.4	48.1
01:15 AM - 01:20 AM	52.4	72.2	47.9
01:20 AM - 01:25 AM	50.2	61.8	47.6
01:25 AM - 01:30 AM	56.7	79.4	48.1
01:30 AM - 01:35 AM	48.8	54.6	47.2
01:35 AM - 01:40 AM	49.0	52.0	47.6
01:40 AM - 01:45 AM	48.3	52.1	46.9
01:45 AM - 01:50 AM	48.5	58.9	46.4
01:50 AM - 01:55 AM	47.4	50.9	46.2
01:55 AM - 02:00 AM	47.6	58.1	45.8
02:00 AM - 02:05 AM	46.6	53.4	45.2
02:05 AM - 02:10 AM	54.7	68.7	45.8
02:10 AM - 02:15 AM	55.3	70.6	45.0
02:15 AM - 02:20 AM	55.1	68.7	45.6
02:20 AM - 02:25 AM	57.7	73.8	45.6
02:25 AM - 02:30 AM	60.9	78.2	45.3
02:30 AM - 02:35 AM	45.5	47.7	44.6
02:35 AM - 02:40 AM	52.9	72.3	45.2
02:40 AM - 02:45 AM	64.0	81.5	45.7
02:45 AM - 02:50 AM	68.4	84.1	45.3
02:50 AM - 02:55 AM	60.7	81.3	45.8
02:55 AM - 03:00 AM	47.5	51.8	45.5
03:00 AM - 03:05 AM	59.1	78.5	46.5
03:05 AM - 03:10 AM	55.8	76.3	45.9
03:10 AM - 03:15 AM	51.5	70.7	46.5
03:15 AM - 03:20 AM	47.6	51.7	45.8
03:20 AM - 03:25 AM	48.2	58.0	45.8
03:25 AM - 03:30 AM	49.6	61.6	46.4
03:30 AM - 03:35 AM	48.9	54.8	47.0
03:35 AM - 03:40 AM	51.1	66.8	47.2
03:40 AM - 03:45 AM	52.6	66.8	47.4

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Approved by

Wilawan Borirak  
Manager



## Analysis / Test Report

TESTING  
No.0042

Client : Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140

Lot ID: 23115913  
Date Received : Nov 03, 2023  
Date Reported : Nov 06, 2023  
Report No. : 2827155-1

P/O : RJN(2)-004/066  
Project Name : Pluak Daeng  
Project Location :

Page 3 of 3

Sample No. 23115913-11  
Parameter Noise  
Location บ้านพักอาศัย หมู่ 2 ซ.มาบยางพร 15 (N2) (GPS 47P 0733679, 1433997) (Shut down)  
Measurement Date Oct 30 - 31, 2023  
Measurement by Saknarin Jaraskay  
Sound Level Meter 597169

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:45 AM - 03:50 AM	49.5	58.1	46.7
03:50 AM - 03:55 AM	47.8	51.8	46.4
03:55 AM - 04:00 AM	53.5	71.4	46.8
04:00 AM - 04:05 AM	50.7	66.4	46.8
04:05 AM - 04:10 AM	49.9	61.9	47.3
04:10 AM - 04:15 AM	51.0	62.5	47.8
04:15 AM - 04:20 AM	55.8	73.5	47.7
04:20 AM - 04:25 AM	51.4	64.5	47.6
04:25 AM - 04:30 AM	51.2	63.2	48.2
04:30 AM - 04:35 AM	56.3	70.5	48.8
04:35 AM - 04:40 AM	54.1	69.4	49.3
04:40 AM - 04:45 AM	51.9	61.7	49.4
04:45 AM - 04:50 AM	53.7	68.4	49.2
04:50 AM - 04:55 AM	54.1	66.4	49.2
04:55 AM - 05:00 AM	53.3	68.7	49.3
05:00 AM - 05:05 AM	64.1	87.1	50.3
05:05 AM - 05:10 AM	59.6	82.7	50.1
05:10 AM - 05:15 AM	57.2	74.0	50.4
05:15 AM - 05:20 AM	56.5	69.8	50.1
05:20 AM - 05:25 AM	55.1	68.3	50.8
05:25 AM - 05:30 AM	54.6	68.6	50.9
05:30 AM - 05:35 AM	57.9	73.6	51.3
05:35 AM - 05:40 AM	57.4	68.8	51.6
05:40 AM - 05:45 AM	55.5	69.7	51.5
05:45 AM - 05:50 AM	58.8	80.9	52.9
05:50 AM - 05:55 AM	58.9	72.6	53.9
05:55 AM - 06:00 AM	59.5	69.6	55.8
06:00 AM - 07:00 AM	62.3	78.5	55.8
07:00 AM - 08:00 AM	65.2	85.5	55.7
08:00 AM - 09:00 AM	63.2	91.6	52.8
09:00 AM - 10:00 AM	61.2	87.9	50.2
10:00 AM - 11:00 AM	61.0	85.9	50.8

Reference Method :

- ISO 1996-1
- ประกาศกรมโรงงานอุตสาหกรรม เรื่อง วิธีการตรวจวัดระดับเสียงรบกวน ระดับเสียงเฉลี่ย 24 ชั่วโมง และระดับเสียงสูงสุดที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2553

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Wilawan Borirak  
Manager



## Analysis / Test Report

TESTING  
No.0042

Client : Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140

Lot ID: 23115913  
Date Received : Nov 03, 2023  
Date Reported : Nov 06, 2023  
Report No. : 2827156-1

P/O : RJN(2)-004/066  
Project Name : Pluak Daeng  
Project Location :

Page 1 of 3

Sample No. 23115913-12  
Parameter Noise  
Location บ้านพักอาศัย หมู่ 2 ซ. มานายางพร 15 (N2) (GPS 47P 0733679, 1433997) (Shut down)  
Measurement Date Oct 31 - Nov 01, 2023  
Measurement by Saknarin Jaraskay  
Sound Level Meter 597169

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	59.4	78.3	51.6
12:00 PM - 01:00 PM	60.7	83.9	52.0
01:00 PM - 02:00 PM	58.5	77.5	50.3
02:00 PM - 03:00 PM	58.1	79.9	49.1
03:00 PM - 04:00 PM	58.8	85.7	49.8
04:00 PM - 05:00 PM	59.6	78.1	52.2
05:00 PM - 06:00 PM	62.9	87.1	51.6
06:00 PM - 07:00 PM	60.3	79.3	50.1
07:00 PM - 08:00 PM	62.1	87.0	50.9
08:00 PM - 09:00 PM	60.5	80.8	50.2
09:00 PM - 10:00 PM	56.3	82.8	47.9
10:00 PM - 10:05 PM	57.8	77.9	47.3
10:05 PM - 10:10 PM	55.9	72.4	47.1
10:10 PM - 10:15 PM	50.9	62.1	47.8
10:15 PM - 10:20 PM	55.4	73.8	47.4
10:20 PM - 10:25 PM	53.8	73.8	47.9
10:25 PM - 10:30 PM	57.9	76.7	49.3
10:30 PM - 10:35 PM	56.8	75.8	49.1
10:35 PM - 10:40 PM	55.5	76.6	48.9
10:40 PM - 10:45 PM	58.7	76.4	48.7
10:45 PM - 10:50 PM	53.4	67.4	48.0
10:50 PM - 10:55 PM	56.0	78.0	48.0
10:55 PM - 11:00 PM	65.1	81.3	47.8
11:00 PM - 11:05 PM	54.6	68.0	49.3
11:05 PM - 11:10 PM	56.3	73.5	48.9
11:10 PM - 11:15 PM	54.5	71.5	49.1
11:15 PM - 11:20 PM	53.0	68.9	49.6
11:20 PM - 11:25 PM	51.8	63.2	49.5
11:25 PM - 11:30 PM	52.5	68.2	48.8
11:30 PM - 11:35 PM	50.6	62.5	48.5
11:35 PM - 11:40 PM	50.5	64.8	47.6
11:40 PM - 11:45 PM	49.1	59.2	47.1
11:45 PM - 11:50 PM	51.6	66.5	48.3
11:50 PM - 11:55 PM	57.1	76.5	47.6
11:55 PM - 12:00 AM	53.2	68.6	48.0
12:00 AM - 12:05 AM	53.7	65.6	47.7
12:05 AM - 12:10 AM	51.1	62.5	48.8
12:10 AM - 12:15 AM	58.8	75.3	48.8
12:15 AM - 12:20 AM	53.8	70.2	48.4
12:20 AM - 12:25 AM	62.1	82.0	48.9

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Approved by

Wilawan Borirak  
Manager

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## Analysis / Test Report

TESTING  
No.0042

Client : Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140

Lot ID: 23115913  
Date Received : Nov 03, 2023  
Date Reported : Nov 06, 2023  
Report No. : 2827156-1

P/O : RJN(2)-004/066  
Project Name : Pluak Daeng  
Project Location :

Page 2 of 3

Sample No. 23115913-12  
Parameter Noise  
Location บ้านพักอาศัย หมู่ 2 ซ.มาบยางพร 15 (N2) (GPS 47P 0733679, 1433997) (Shut down)  
Measurement Date Oct 31 - Nov 01, 2023  
Measurement by Saknarin Jaraskay  
Sound Level Meter 597169

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:25 AM - 12:30 AM	52.4	67.9	48.0
12:30 AM - 12:35 AM	52.0	65.5	48.4
12:35 AM - 12:40 AM	52.6	66.2	48.6
12:40 AM - 12:45 AM	52.8	67.3	47.6
12:45 AM - 12:50 AM	52.4	74.5	47.1
12:50 AM - 12:55 AM	49.5	62.9	46.9
12:55 AM - 01:00 AM	53.0	69.4	46.9
01:00 AM - 01:05 AM	50.5	65.3	45.3
01:05 AM - 01:10 AM	52.2	70.3	46.1
01:10 AM - 01:15 AM	52.6	71.1	46.8
01:15 AM - 01:20 AM	50.3	68.3	45.5
01:20 AM - 01:25 AM	50.7	66.4	45.8
01:25 AM - 01:30 AM	46.7	59.0	45.0
01:30 AM - 01:35 AM	56.4	77.1	44.7
01:35 AM - 01:40 AM	55.4	77.3	45.0
01:40 AM - 01:45 AM	50.2	68.3	45.2
01:45 AM - 01:50 AM	47.0	49.3	46.0
01:50 AM - 01:55 AM	51.8	69.0	46.1
01:55 AM - 02:00 AM	47.9	50.7	46.8
02:00 AM - 02:05 AM	48.7	51.5	47.5
02:05 AM - 02:10 AM	49.0	64.5	46.7
02:10 AM - 02:15 AM	47.6	50.8	46.3
02:15 AM - 02:20 AM	46.3	51.4	44.8
02:20 AM - 02:25 AM	46.6	61.5	44.4
02:25 AM - 02:30 AM	46.6	60.8	44.0
02:30 AM - 02:35 AM	49.1	68.9	43.9
02:35 AM - 02:40 AM	47.6	64.7	43.8
02:40 AM - 02:45 AM	52.9	72.2	43.7
02:45 AM - 02:50 AM	47.8	64.7	43.8
02:50 AM - 02:55 AM	52.1	76.4	43.8
02:55 AM - 03:00 AM	56.9	78.6	43.4
03:00 AM - 03:05 AM	50.6	70.7	43.1
03:05 AM - 03:10 AM	46.7	61.2	43.5
03:10 AM - 03:15 AM	47.7	65.8	44.0
03:15 AM - 03:20 AM	45.1	54.2	44.0
03:20 AM - 03:25 AM	55.9	75.0	44.0
03:25 AM - 03:30 AM	48.5	66.2	43.5
03:30 AM - 03:35 AM	53.6	73.6	44.6
03:35 AM - 03:40 AM	50.5	65.4	45.1
03:40 AM - 03:45 AM	46.8	52.9	45.0

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Approved by

Wilawan Borirak  
Manager



## Analysis / Test Report

TESTING  
No.0042

Client : Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140

Lot ID: 23115913  
Date Received : Nov 03, 2023  
Date Reported : Nov 06, 2023  
Report No. : 2827156-1

P/O : RJN(2)-004/066  
Project Name : Pluak Daeng  
Project Location :

Page 3 of 3

Sample No. 23115913-12  
Parameter Noise  
Location บ้านพักอาศัย หมู่ 2 ซ.มามายพร 15 (N2) (GPS 47P 0733679, 1433997) (Shut down)  
Measurement Date Oct 31 - Nov 01, 2023  
Measurement by Saknarin Jaraskay  
Sound Level Meter 597169

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:45 AM - 03:50 AM	50.8	66.7	45.1
03:50 AM - 03:55 AM	48.6	61.1	44.9
03:55 AM - 04:00 AM	48.8	65.8	45.2
04:00 AM - 04:05 AM	53.7	72.1	45.3
04:05 AM - 04:10 AM	51.9	66.5	45.8
04:10 AM - 04:15 AM	50.8	67.8	45.8
04:15 AM - 04:20 AM	54.0	73.5	46.1
04:20 AM - 04:25 AM	50.2	62.9	47.3
04:25 AM - 04:30 AM	51.7	67.4	47.3
04:30 AM - 04:35 AM	55.0	68.6	47.2
04:35 AM - 04:40 AM	52.3	67.0	47.7
04:40 AM - 04:45 AM	60.9	84.3	48.0
04:45 AM - 04:50 AM	51.9	62.7	48.4
04:50 AM - 04:55 AM	53.1	64.1	49.5
04:55 AM - 05:00 AM	52.0	65.8	49.4
05:00 AM - 05:05 AM	64.7	87.5	50.2
05:05 AM - 05:10 AM	55.6	68.9	50.0
05:10 AM - 05:15 AM	53.7	70.5	50.0
05:15 AM - 05:20 AM	54.3	66.2	50.5
05:20 AM - 05:25 AM	55.3	68.8	50.7
05:25 AM - 05:30 AM	57.0	70.7	51.0
05:30 AM - 05:35 AM	56.6	67.6	50.6
05:35 AM - 05:40 AM	57.7	74.2	51.3
05:40 AM - 05:45 AM	57.4	74.7	50.8
05:45 AM - 05:50 AM	60.0	78.0	50.8
05:50 AM - 05:55 AM	60.0	79.3	51.2
05:55 AM - 06:00 AM	59.6	70.7	53.8
06:00 AM - 07:00 AM	63.2	86.2	54.4
07:00 AM - 08:00 AM	65.5	87.6	55.0
08:00 AM - 09:00 AM	61.1	83.1	52.5
09:00 AM - 10:00 AM	58.5	81.6	51.8
10:00 AM - 11:00 AM	57.9	81.7	48.4

Reference Method :

- ISO 1996-1
- ประกาศกรมโรงงานอุตสาหกรรม เรื่อง วิธีการตรวจวัดระดับเสียงรบกวน ระดับเสียงเฉลี่ย 24 ชั่วโมง และระดับเสียงสูงสุดที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2553

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

Approved by

Wilawan Borirak  
Manager





## Analysis / Test Report

TESTING  
No.0042

Client : Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140

Lot ID: 23115913  
Date Received : Nov 03, 2023  
Date Reported : Nov 06, 2023  
Report No. : 2827157-1

P/O : RJN(2)-004/066  
Project Name : Pluak Daeng  
Project Location :

Page 1 of 3

Sample No. 23115913-13  
Parameter Noise  
Location บ้านพักอาศัย หมู่ 2 ซ. มาบยางพร 15 (N2) (GPS 47P 0733679, 1433997) (Shut down)  
Measurement Date Nov 01 - 02, 2023  
Measurement by Saknarin Jaraskay  
Sound Level Meter 597169

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	62.0	90.4	48.4
12:00 PM - 01:00 PM	62.1	89.4	49.3
01:00 PM - 02:00 PM	63.8	89.0	47.1
02:00 PM - 03:00 PM	64.0	88.9	48.5
03:00 PM - 04:00 PM	58.7	82.8	48.3
04:00 PM - 05:00 PM	58.9	76.7	49.0
05:00 PM - 06:00 PM	62.4	84.6	51.2
06:00 PM - 07:00 PM	60.5	81.5	51.3
07:00 PM - 08:00 PM	61.1	85.7	49.7
08:00 PM - 09:00 PM	60.2	78.0	49.4
09:00 PM - 10:00 PM	56.3	83.5	47.4
10:00 PM - 10:05 PM	53.8	70.0	46.9
10:05 PM - 10:10 PM	61.5	77.0	45.6
10:10 PM - 10:15 PM	59.8	78.6	45.3
10:15 PM - 10:20 PM	53.5	69.0	45.4
10:20 PM - 10:25 PM	53.6	70.5	45.2
10:25 PM - 10:30 PM	52.6	71.7	45.2
10:30 PM - 10:35 PM	50.5	65.1	45.6
10:35 PM - 10:40 PM	48.1	63.3	45.3
10:40 PM - 10:45 PM	54.3	69.6	44.7
10:45 PM - 10:50 PM	50.4	65.3	44.2
10:50 PM - 10:55 PM	47.6	60.7	44.3
10:55 PM - 11:00 PM	46.2	53.0	44.9
11:00 PM - 11:05 PM	48.9	62.7	45.5
11:05 PM - 11:10 PM	50.8	64.3	45.6
11:10 PM - 11:15 PM	56.2	74.2	46.1
11:15 PM - 11:20 PM	49.1	67.7	45.8
11:20 PM - 11:25 PM	48.0	63.9	45.7
11:25 PM - 11:30 PM	54.7	74.6	45.7
11:30 PM - 11:35 PM	45.9	49.5	45.1
11:35 PM - 11:40 PM	48.2	62.9	44.9
11:40 PM - 11:45 PM	48.0	62.5	45.1
11:45 PM - 11:50 PM	48.2	65.3	45.0
11:50 PM - 11:55 PM	51.3	68.5	45.2
11:55 PM - 12:00 AM	53.9	72.2	45.5
12:00 AM - 12:05 AM	56.9	73.4	45.8
12:05 AM - 12:10 AM	49.3	68.8	45.3
12:10 AM - 12:15 AM	51.4	67.1	45.2
12:15 AM - 12:20 AM	50.1	66.3	44.8
12:20 AM - 12:25 AM	54.8	71.4	45.1

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## Analysis / Test Report

TESTING  
No.0042

Client : Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140

Lot ID: 23115913  
Date Received : Nov 03, 2023  
Date Reported : Nov 06, 2023  
Report No. : 2827157-1

P/O : RJN(2)-004/066  
Project Name : Pluak Daeng  
Project Location :

Page 2 of 3

Sample No. 23115913-13  
Parameter Noise  
Location บ้านพักอาศัย หมู่ 2 ซ.มาบยางพร 15 (N2) (GPS 47P 0733679, 1433997) (Shut down)  
Measurement Date Nov 01 - 02, 2023  
Measurement by Saknarin Jaraskay  
Sound Level Meter 597169

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:25 AM - 12:30 AM	46.2	57.5	44.9
12:30 AM - 12:35 AM	47.3	63.9	44.9
12:35 AM - 12:40 AM	52.6	70.7	44.9
12:40 AM - 12:45 AM	50.9	68.1	45.1
12:45 AM - 12:50 AM	50.9	68.6	44.9
12:50 AM - 12:55 AM	53.5	71.9	45.1
12:55 AM - 01:00 AM	46.5	58.5	44.9
01:00 AM - 01:05 AM	51.4	70.2	44.8
01:05 AM - 01:10 AM	48.2	65.8	44.8
01:10 AM - 01:15 AM	54.2	73.5	44.6
01:15 AM - 01:20 AM	51.1	67.9	44.3
01:20 AM - 01:25 AM	48.5	66.6	45.0
01:25 AM - 01:30 AM	46.0	48.7	45.0
01:30 AM - 01:35 AM	50.0	68.0	45.3
01:35 AM - 01:40 AM	48.0	60.8	45.9
01:40 AM - 01:45 AM	48.3	65.3	45.8
01:45 AM - 01:50 AM	48.0	62.0	45.7
01:50 AM - 01:55 AM	47.0	61.7	45.2
01:55 AM - 02:00 AM	47.4	60.0	45.0
02:00 AM - 02:05 AM	48.2	65.7	44.5
02:05 AM - 02:10 AM	48.1	65.8	44.1
02:10 AM - 02:15 AM	44.7	50.7	43.8
02:15 AM - 02:20 AM	44.3	46.8	43.5
02:20 AM - 02:25 AM	49.7	69.5	43.8
02:25 AM - 02:30 AM	46.7	62.4	43.9
02:30 AM - 02:35 AM	51.3	71.1	43.4
02:35 AM - 02:40 AM	45.5	55.5	43.4
02:40 AM - 02:45 AM	49.0	66.7	43.1
02:45 AM - 02:50 AM	44.3	50.0	43.4
02:50 AM - 02:55 AM	44.5	52.3	43.7
02:55 AM - 03:00 AM	47.5	64.8	43.7
03:00 AM - 03:05 AM	44.4	62.1	43.3
03:05 AM - 03:10 AM	44.6	51.5	43.3
03:10 AM - 03:15 AM	47.1	65.0	43.6
03:15 AM - 03:20 AM	50.1	69.8	43.6
03:20 AM - 03:25 AM	48.0	64.4	44.4
03:25 AM - 03:30 AM	46.4	57.1	44.2
03:30 AM - 03:35 AM	48.5	63.9	45.0
03:35 AM - 03:40 AM	49.7	69.0	45.4
03:40 AM - 03:45 AM	51.2	68.2	46.4

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Wilawan Borirak  
Manager



## Analysis / Test Report

TESTING  
No.0042

Client : Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140

Lot ID: 23115913  
Date Received : Nov 03, 2023  
Date Reported : Nov 06, 2023  
Report No. : 2827157-1

P/O : RJN(2)-004/066  
Project Name : Pluak Daeng  
Project Location :

Page 3 of 3

Sample No. 23115913-13  
Parameter Noise  
Location บ้านพักอาศัย หมู่ 2 ซ.มาบยางพร 15 (N2) (GPS 47P 0733679, 1433997) (Shut down)  
Measurement Date Nov 01 - 02, 2023  
Measurement by Saknarin Jaraskay  
Sound Level Meter 597169

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:45 AM - 03:50 AM	53.2	70.9	46.6
03:50 AM - 03:55 AM	50.8	68.0	47.1
03:55 AM - 04:00 AM	56.0	74.7	46.8
04:00 AM - 04:05 AM	52.9	69.0	47.1
04:05 AM - 04:10 AM	51.5	65.6	46.9
04:10 AM - 04:15 AM	55.3	75.1	47.8
04:15 AM - 04:20 AM	53.5	68.2	48.1
04:20 AM - 04:25 AM	53.7	71.8	48.6
04:25 AM - 04:30 AM	57.3	75.4	49.2
04:30 AM - 04:35 AM	52.6	67.8	49.3
04:35 AM - 04:40 AM	57.1	75.9	50.5
04:40 AM - 04:45 AM	55.1	69.3	51.0
04:45 AM - 04:50 AM	54.1	67.5	51.2
04:50 AM - 04:55 AM	54.1	66.8	51.4
04:55 AM - 05:00 AM	54.0	61.5	51.7
05:00 AM - 05:05 AM	57.0	72.2	51.8
05:05 AM - 05:10 AM	57.6	69.2	52.0
05:10 AM - 05:15 AM	54.5	69.5	51.5
05:15 AM - 05:20 AM	55.1	66.0	51.1
05:20 AM - 05:25 AM	57.9	72.1	51.3
05:25 AM - 05:30 AM	54.7	69.4	51.6
05:30 AM - 05:35 AM	55.6	70.5	51.6
05:35 AM - 05:40 AM	58.2	76.7	52.1
05:40 AM - 05:45 AM	56.1	68.5	52.0
05:45 AM - 05:50 AM	57.5	70.5	52.0
05:50 AM - 05:55 AM	56.9	66.3	52.9
05:55 AM - 06:00 AM	61.8	80.5	53.1
06:00 AM - 07:00 AM	62.6	82.3	54.7
07:00 AM - 08:00 AM	64.7	82.8	56.5
08:00 AM - 09:00 AM	62.8	86.3	50.0
09:00 AM - 10:00 AM	66.0	91.5	49.1
10:00 AM - 11:00 AM	64.6	90.1	48.9

Reference Method :

1. ISO 1996-1
2. ประกาศกรมโรงงานอุตสาหกรรม เรื่อง วิธีการตรวจวัดระดับเสียงรบกวน ระดับเสียงเฉลี่ย 24 ชั่วโมง และระดับเสียงสูงสุดที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2553

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Wilawan Borirak  
Manager



## Analysis / Test Report

TESTING  
No.0042

Client : Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140

Lot ID: 23115913  
Date Received : Nov 03, 2023  
Date Reported : Nov 06, 2023  
Report No. : 2827158-1

P/O : RJN(2)-004/066  
Project Name : Pluak Daeng  
Project Location :

Page 1 of 3

Sample No. 23115913-14  
Parameter Noise  
Location บ้านพักอาศัย หมู่ 2 ซ. มาบยางพร 15 (N2) (GPS 47P 0733679, 1433997) (Shut down)  
Measurement Date Nov 02 - 03, 2023  
Measurement by Saknarin Jaraskay  
Sound Level Meter 597169

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	64.8	90.4	44.2
12:00 PM - 01:00 PM	63.2	90.4	43.7
01:00 PM - 02:00 PM	64.8	92.8	41.9
02:00 PM - 03:00 PM	65.5	91.4	41.6
03:00 PM - 04:00 PM	64.1	88.9	44.1
04:00 PM - 05:00 PM	64.0	87.8	51.8
05:00 PM - 06:00 PM	62.5	87.8	52.4
06:00 PM - 07:00 PM	59.9	84.0	49.1
07:00 PM - 08:00 PM	61.6	84.9	49.8
08:00 PM - 09:00 PM	60.6	82.1	49.6
09:00 PM - 10:00 PM	55.2	74.1	47.2
10:00 PM - 10:05 PM	56.0	70.7	46.9
10:05 PM - 10:10 PM	54.8	68.7	47.3
10:10 PM - 10:15 PM	56.8	76.3	45.8
10:15 PM - 10:20 PM	50.1	67.9	45.8
10:20 PM - 10:25 PM	52.6	68.9	45.9
10:25 PM - 10:30 PM	52.8	66.7	45.2
10:30 PM - 10:35 PM	52.6	67.3	45.5
10:35 PM - 10:40 PM	54.6	70.3	44.3
10:40 PM - 10:45 PM	53.5	73.4	44.7
10:45 PM - 10:50 PM	49.5	66.1	45.1
10:50 PM - 10:55 PM	56.3	77.6	44.2
10:55 PM - 11:00 PM	49.5	67.2	45.2
11:00 PM - 11:05 PM	51.0	70.3	45.8
11:05 PM - 11:10 PM	51.8	67.2	45.7
11:10 PM - 11:15 PM	50.1	62.2	46.5
11:15 PM - 11:20 PM	52.6	67.1	46.9
11:20 PM - 11:25 PM	51.8	69.0	45.6
11:25 PM - 11:30 PM	47.2	55.6	45.3
11:30 PM - 11:35 PM	48.5	63.6	45.7
11:35 PM - 11:40 PM	52.0	69.1	45.8
11:40 PM - 11:45 PM	49.0	61.8	45.8
11:45 PM - 11:50 PM	46.7	50.6	45.4
11:50 PM - 11:55 PM	52.6	71.3	46.2
11:55 PM - 12:00 AM	48.1	61.7	45.5
12:00 AM - 12:05 AM	52.2	68.6	45.3
12:05 AM - 12:10 AM	51.3	69.2	44.5
12:10 AM - 12:15 AM	45.1	55.5	43.8
12:15 AM - 12:20 AM	47.9	65.6	44.1
12:20 AM - 12:25 AM	48.9	64.9	43.8

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## Analysis / Test Report

TESTING  
No.0042

Client : Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140

Lot ID: 23115913  
Date Received : Nov 03, 2023  
Date Reported : Nov 06, 2023  
Report No. : 2827158-1

P/O : RJN(2)-004/066  
Project Name : Pluak Daeng  
Project Location :

Page 2 of 3

Sample No. 23115913-14  
Parameter Noise  
Location บ้านพักอาศัย หมู่ 2 ซ.มาบยางพร 15 (N2) (GPS 47P 0733679, 1433997) (Shut down)  
Measurement Date Nov 02 - 03, 2023  
Measurement by Saknarin Jaraskay  
Sound Level Meter 597169

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:25 AM - 12:30 AM	52.0	67.0	44.7
12:30 AM - 12:35 AM	52.7	69.7	44.3
12:35 AM - 12:40 AM	51.4	71.2	43.9
12:40 AM - 12:45 AM	45.6	50.1	43.7
12:45 AM - 12:50 AM	47.8	68.3	43.8
12:50 AM - 12:55 AM	51.1	67.8	43.6
12:55 AM - 01:00 AM	48.9	65.9	42.7
01:00 AM - 01:05 AM	48.2	65.1	43.4
01:05 AM - 01:10 AM	46.1	54.5	43.8
01:10 AM - 01:15 AM	54.1	73.5	44.4
01:15 AM - 01:20 AM	51.0	70.9	44.9
01:20 AM - 01:25 AM	49.5	59.8	47.0
01:25 AM - 01:30 AM	55.0	71.0	46.5
01:30 AM - 01:35 AM	54.0	71.1	46.9
01:35 AM - 01:40 AM	52.6	68.5	47.1
01:40 AM - 01:45 AM	51.0	69.5	45.7
01:45 AM - 01:50 AM	51.0	66.7	45.9
01:50 AM - 01:55 AM	48.7	53.0	46.5
01:55 AM - 02:00 AM	51.2	66.9	46.9
02:00 AM - 02:05 AM	48.1	53.1	45.7
02:05 AM - 02:10 AM	46.7	51.7	43.8
02:10 AM - 02:15 AM	45.1	55.1	43.2
02:15 AM - 02:20 AM	46.4	53.2	43.7
02:20 AM - 02:25 AM	45.7	50.8	43.1
02:25 AM - 02:30 AM	54.3	70.8	42.6
02:30 AM - 02:35 AM	46.9	55.4	43.5
02:35 AM - 02:40 AM	48.1	62.4	42.9
02:40 AM - 02:45 AM	46.7	52.4	42.8
02:45 AM - 02:50 AM	48.8	63.4	42.1
02:50 AM - 02:55 AM	47.1	52.4	43.1
02:55 AM - 03:00 AM	48.6	65.0	42.9
03:00 AM - 03:05 AM	51.3	71.4	42.2
03:05 AM - 03:10 AM	46.0	61.9	42.4
03:10 AM - 03:15 AM	46.6	59.5	44.1
03:15 AM - 03:20 AM	48.6	64.2	44.6
03:20 AM - 03:25 AM	45.6	49.3	44.1
03:25 AM - 03:30 AM	45.8	49.2	44.4
03:30 AM - 03:35 AM	46.6	49.5	45.4
03:35 AM - 03:40 AM	51.5	67.4	44.8
03:40 AM - 03:45 AM	46.2	52.4	44.8

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## Analysis / Test Report

TESTING  
No.0042

Client : Rojana Industrial Park Rayong 2 Co., Ltd.  
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140

Lot ID: 23115913  
Date Received : Nov 03, 2023  
Date Reported : Nov 06, 2023  
Report No. : 2827158-1

P/O : RJN(2)-004/066  
Project Name : Pluak Daeng  
Project Location :

Page 3 of 3

Sample No. 23115913-14  
Parameter Noise  
Location บ้านพักอาศัย หมู่ 2 ซ.มาบยางพร 15 (N2) (GPS 47P 0733679, 1433997) (Shut down)  
Measurement Date Nov 02 - 03, 2023  
Measurement by Saknarin Jaraskay  
Sound Level Meter 597169

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:45 AM - 03:50 AM	50.4	64.6	46.2
03:50 AM - 03:55 AM	48.1	53.2	46.4
03:55 AM - 04:00 AM	50.3	64.7	46.3
04:00 AM - 04:05 AM	48.7	52.8	46.9
04:05 AM - 04:10 AM	50.2	64.5	47.2
04:10 AM - 04:15 AM	48.6	56.4	46.3
04:15 AM - 04:20 AM	51.9	64.7	48.5
04:20 AM - 04:25 AM	55.1	69.6	48.9
04:25 AM - 04:30 AM	53.0	64.6	48.8
04:30 AM - 04:35 AM	53.0	70.1	46.5
04:35 AM - 04:40 AM	56.1	71.5	48.6
04:40 AM - 04:45 AM	52.9	65.6	49.0
04:45 AM - 04:50 AM	59.0	76.8	48.7
04:50 AM - 04:55 AM	53.6	66.1	49.8
04:55 AM - 05:00 AM	56.5	71.8	52.4
05:00 AM - 05:05 AM	59.2	73.0	53.7
05:05 AM - 05:10 AM	58.5	70.8	52.8
05:10 AM - 05:15 AM	57.5	71.1	49.3
05:15 AM - 05:20 AM	55.8	68.9	51.3
05:20 AM - 05:25 AM	57.5	72.8	52.6
05:25 AM - 05:30 AM	56.8	64.9	53.2
05:30 AM - 05:35 AM	57.9	70.2	52.9
05:35 AM - 05:40 AM	58.4	71.4	52.4
05:40 AM - 05:45 AM	58.5	71.9	52.9
05:45 AM - 05:50 AM	58.4	70.1	53.2
05:50 AM - 05:55 AM	56.6	67.7	53.1
05:55 AM - 06:00 AM	61.0	80.6	52.7
06:00 AM - 07:00 AM	62.5	81.7	54.7
07:00 AM - 08:00 AM	65.3	87.0	56.0
08:00 AM - 09:00 AM	66.0	93.0	47.1
09:00 AM - 10:00 AM	65.7	94.1	45.9
10:00 AM - 11:00 AM	65.2	90.7	49.5

Reference Method :

1. ISO 1996-1
2. ประกาศกรมโรงงานอุตสาหกรรม เรื่อง วิธีการตรวจวัดระดับเสียงรบกวน ระดับเสียงเฉลี่ย 24 ชั่วโมง และระดับเสียงสูงสุดที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2553

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Manager