ภาคผนวก ค

ใบรับรองผลการตรวจวิเคราะห์

ภาคผนวก ค-01

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)-018/66
Project Name : Pluak Daeng
Project Location :

Lot ID: 2448759
Date Received : May 15, 2024
Date Reported : May 21, 2024
Report Number: 2979199-1

Sample Description Air Quality
Location วัดมาบยางพร (A1) (GPS 47P 0732270, 1436522)
Parameter Nitrogen dioxide (ppm)
Measurement Date May 07, 2024 - May 14, 2024
Measurement by Saknarin Jaraskay

Time	2448759-1 May 07, 2024	2448759-2 May 08, 2024	2448759-3 May 09, 2024	2448759-4 May 10, 2024	2448759-5 May 11, 2024	2448759-6 May 12, 2024	2448759-7 May 13, 2024
03:00 PM - 04:00 PM	<0.001	0.001	0.002	0.002	0.002	0.001	0.001
04:00 PM - 05:00 PM	<0.001	0.001	0.001	0.002	0.003	0.001	0.001
05:00 PM - 06:00 PM	0.001	0.001	0.001	0.008	0.002	0.001	0.001
06:00 PM - 07:00 PM	0.001	0.001	0.002	0.002	0.002	0.001	0.001
07:00 PM - 08:00 PM	0.002	0.001	0.002	0.002	0.002	0.001	0.001
08:00 PM - 09:00 PM	0.002	0.002	0.002	0.002	0.002	0.001	0.001
09:00 PM - 10:00 PM	0.002	0.002	0.002	0.002	0.002	0.001	0.001
10:00 PM - 11:00 PM	0.002	0.002	0.002	0.002	0.002	0.001	0.001
11:00 PM - 12:00 AM	0.003	0.003	0.002	0.002	0.002	0.002	0.001
12:00 AM - 01:00 AM	0.002	0.002	0.002	0.002	0.003	0.001	0.001
01:00 AM - 02:00 AM	0.003	0.003	0.002	0.002	0.004	0.001	0.001
02:00 AM - 03:00 AM	0.002	0.003	0.002	0.002	0.006	0.002	0.001
03:00 AM - 04:00 AM	0.002	0.005	0.003	0.002	0.008	0.001	0.001
04:00 AM - 05:00 AM	0.003	0.004	0.004	0.002	0.007	<0.001	0.001
05:00 AM - 06:00 AM	0.003	0.006	0.003	0.002	0.003	0.001	0.001
06:00 AM - 07:00 AM	0.003	0.006	0.004	0.002	0.004	0.001	0.001
07:00 AM - 08:00 AM	0.003	0.006	0.004	0.003	0.007	0.001	0.011
08:00 AM - 09:00 AM	0.005	0.006	0.006	0.004	0.009	0.001	0.002
09:00 AM - 10:00 AM	0.003	0.003	0.004	0.004	0.004	0.001	0.003
10:00 AM - 11:00 AM	0.002	0.003	0.003	0.003	0.003	0.002	0.002
11:00 AM - 12:00 PM	0.002	0.003	0.003	0.002	0.002	0.002	0.001
12:00 PM - 01:00 PM	0.003	0.002	0.003	0.002	0.002	0.002	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	0.001	0.002	0.002	0.002	0.001	0.001	0.001
Average	0.002	0.003	0.002	0.002	0.004	0.001	0.002
1hr - Maximum	0.005	0.006	0.006	0.008	0.009	0.002	0.011
Standard 1hr - Average	0.170	0.170	0.170	0.170	0.170	0.170	0.170

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

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.

Approved by



Orawan Rakyong
Scientist (3)

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)-018/66
Project Name : Pluak Daeng
Project Location :

Lot ID: 2448759
Date Received : May 15, 2024
Date Reported : May 21, 2024
Report Number: 2998279-1

Sample Description Air Quality
Location บ้านวังตาผิน (A2)
Parameter Nitrogen dioxide (ppm)
Measurement Date May 07, 2024 - May 14, 2024
Measurement by Saknarin Jaraskay

Time	2448759-8 May 07, 2024	2448759-9 May 08, 2024	2448759-10 May 09, 2024	2448759-11 May 10, 2024	2448759-12 May 11, 2024	2448759-13 May 12, 2024	2448759-14 May 13, 2024
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	0.002	<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	0.002	<0.001	<0.001	0.002	<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	0.002	<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	0.002
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
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	0.002
03:00 PM - 04:00 PM	<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	0.002	0.002	<0.001	<0.001	0.002	<0.001	0.002
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)

Approved by

Orawan Rakyong
Scientist (3)

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.

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)-018/66
Project Name : Pluak Daeng
Project Location :

Lot ID: 2448759
Date Received : May 15, 2024
Date Reported : May 21, 2024
Report Number: 2998280-1

Sample Description Air Quality
Location วัดประสิทธิ์ธาราม (A3) (GPS 47P 0731870, 1430333)
Parameter Nitrogen dioxide (ppm)
Measurement Date May 07, 2024 - May 14, 2024
Measurement by Saknarin Jaraskay

Time	2448759-15 May 07, 2024	2448759-16 May 08, 2024	2448759-17 May 09, 2024	2448759-18 May 10, 2024	2448759-19 May 11, 2024	2448759-20 May 12, 2024	2448759-21 May 13, 2024
02:00 PM - 03:00 PM	0.002	0.001	0.002	0.002	0.002	0.008	0.001
03:00 PM - 04:00 PM	0.002	0.001	0.002	0.002	0.002	0.004	0.001
04:00 PM - 05:00 PM	0.002	0.002	0.002	0.002	0.002	0.003	0.002
05:00 PM - 06:00 PM	0.002	0.002	0.002	0.002	0.002	0.002	0.002
06:00 PM - 07:00 PM	0.002	0.001	0.002	0.002	0.002	0.002	0.002
07:00 PM - 08:00 PM	0.002	0.001	0.002	0.001	0.001	0.002	0.002
08:00 PM - 09:00 PM	0.002	0.001	0.002	0.002	0.001	0.002	0.002
09:00 PM - 10:00 PM	0.002	0.001	0.002	0.002	0.002	0.002	0.002
10:00 PM - 11:00 PM	0.002	0.001	0.002	0.001	0.002	0.002	0.002
11:00 PM - 12:00 AM	0.002	0.001	0.002	0.002	0.002	0.002	0.002
12:00 AM - 01:00 AM	0.002	0.001	0.001	0.002	0.002	0.006	0.002
01:00 AM - 02:00 AM	0.001	0.001	0.001	0.001	0.002	0.002	0.002
02:00 AM - 03:00 AM	0.001	0.002	0.001	0.001	0.001	0.007	0.002
03:00 AM - 04:00 AM	0.002	0.001	0.002	0.001	0.001	0.004	0.002
04:00 AM - 05:00 AM	0.001	0.001	0.002	0.001	0.002	0.002	0.002
05:00 AM - 06:00 AM	0.001	0.001	0.002	0.001	0.001	0.002	0.002
06:00 AM - 07:00 AM	0.001	0.001	0.002	0.001	0.001	0.002	0.002
07:00 AM - 08:00 AM	0.001	0.001	0.002	0.002	0.001	0.002	0.002
08:00 AM - 09:00 AM	0.001	0.001	0.002	0.002	0.001	0.002	0.002
09:00 AM - 10:00 AM	0.001	0.001	0.002	0.002	0.001	0.001	0.002
10:00 AM - 11:00 AM	0.001	0.001	0.003	0.002	0.002	0.001	0.002
11:00 AM - 12:00 PM	0.001	0.001	0.003	0.006	0.003	<0.001	0.002
12:00 PM - 01:00 PM	0.001	0.002	0.003	0.005	0.003	<0.001	0.002
01:00 PM - 02:00 PM	0.002	0.002	0.002	0.002	0.002	<0.001	0.002
Average	0.001	0.001	0.002	0.002	0.002	0.003	0.002
1hr - Maximum	0.002	0.002	0.003	0.006	0.003	0.008	0.002
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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Orawan Rakyong
Scientist (3)

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)-018/66
Project Name : Pluak Daeng
Project Location :

Lot ID: 2448759
Date Received : May 15, 2024
Date Reported : May 21, 2024
Report Number: 2998281-1

Sample Description Air Quality
Location วัดวังประดู่ (A4) (GPS 47P 0736656, 1430554)
Parameter Nitrogen dioxide (ppm)
Measurement Date May 07, 2024 - May 14, 2024
Measurement by Saknarin Jaraskay

Time	2448759-22 May 07, 2024	2448759-23 May 08, 2024	2448759-24 May 09, 2024	2448759-25 May 10, 2024	2448759-26 May 11, 2024	2448759-27 May 12, 2024	2448759-28 May 13, 2024
01:00 PM - 02:00 PM	0.002	<0.001	0.003	0.002	0.002	<0.001	0.002
02:00 PM - 03:00 PM	0.002	<0.001	0.005	0.003	0.003	<0.001	0.003
03:00 PM - 04:00 PM	0.005	0.002	0.002	0.004	0.004	<0.001	0.002
04:00 PM - 05:00 PM	0.010	0.004	<0.001	0.003	0.007	0.002	0.001
05:00 PM - 06:00 PM	0.003	0.003	0.001	<0.001	0.005	<0.001	<0.001
06:00 PM - 07:00 PM	0.001	0.002	<0.001	<0.001	0.007	0.002	<0.001
07:00 PM - 08:00 PM	0.002	0.004	0.002	<0.001	0.005	<0.001	<0.001
08:00 PM - 09:00 PM	<0.001	0.006	0.001	<0.001	0.006	<0.001	<0.001
09:00 PM - 10:00 PM	<0.001	0.004	0.001	<0.001	0.006	<0.001	<0.001
10:00 PM - 11:00 PM	0.002	0.006	0.001	0.001	0.011	<0.001	<0.001
11:00 PM - 12:00 AM	0.003	0.005	0.002	<0.001	0.004	<0.001	<0.001
12:00 AM - 01:00 AM	0.002	0.004	0.003	<0.001	0.004	<0.001	<0.001
01:00 AM - 02:00 AM	0.006	0.014	0.009	0.002	0.013	<0.001	<0.001
02:00 AM - 03:00 AM	0.012	0.015	0.011	0.006	0.016	0.001	0.004
03:00 AM - 04:00 AM	0.012	0.010	0.014	0.010	0.008	0.007	0.007
04:00 AM - 05:00 AM	0.003	0.004	0.007	0.003	0.004	0.005	0.006
05:00 AM - 06:00 AM	<0.001	0.002	0.001	0.001	0.001	0.005	0.002
06:00 AM - 07:00 AM	<0.001	0.001	<0.001	<0.001	<0.001	0.001	0.003
07:00 AM - 08:00 AM	<0.001	0.001	0.002	<0.001	<0.001	0.001	0.003
08:00 AM - 09:00 AM	<0.001	<0.001	<0.001	<0.001	0.001	0.001	0.003
09:00 AM - 10:00 AM	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.003
10:00 AM - 11:00 AM	<0.001	<0.001	0.001	0.002	<0.001	<0.001	0.002
11:00 AM - 12:00 PM	0.001	0.001	<0.001	<0.001	<0.001	<0.001	0.003
12:00 PM - 01:00 PM	<0.001	<0.001	0.001	0.002	<0.001	<0.001	0.002
Average	0.003	0.004	0.003	0.002	0.005	0.001	0.002
1hr - Maximum	0.012	0.015	0.014	0.010	0.016	0.007	0.007
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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Orawan Rakyong
Scientist (3)

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)-018/66
Project Name : Pluak Daeng
Project Location :

Lot ID: 2448763
Date Received : May 15, 2024
Date Reported : May 21, 2024
Report Number: 2979278-1

Sample Description Air Quality
Location วัดมาบยางพร (A1) (GPS 47P 0732270, 1436522)
Parameter Sulfur Dioxide (ppm)
Measurement Date May 07, 2024 - May 14, 2024
Measurement by Saknarin Jaraskay

Time	2448763-1 May 07, 2024	2448763-2 May 08, 2024	2448763-3 May 09, 2024	2448763-4 May 10, 2024	2448763-5 May 11, 2024	2448763-6 May 12, 2024	2448763-7 May 13, 2024
03:00 PM - 04:00 PM	0.003	0.003	0.004	0.004	0.004	0.004	0.004
04:00 PM - 05:00 PM	0.003	0.003	0.003	0.004	0.004	0.004	0.004
05:00 PM - 06:00 PM	0.003	0.003	0.003	0.003	0.003	0.004	0.004
06:00 PM - 07:00 PM	0.003	0.003	0.003	0.003	0.003	0.003	0.004
07:00 PM - 08:00 PM	0.003	0.003	0.003	0.003	0.003	0.003	0.004
08:00 PM - 09:00 PM	0.003	0.003	0.003	0.003	0.003	0.003	0.004
09:00 PM - 10:00 PM	0.003	0.003	0.003	0.003	0.003	0.004	0.004
10:00 PM - 11:00 PM	0.003	0.003	0.003	0.003	0.003	0.003	0.004
11:00 PM - 12:00 AM	0.003	0.003	0.003	0.003	0.003	0.003	0.004
12:00 AM - 01:00 AM	0.003	0.003	0.003	0.003	0.003	0.004	0.004
01:00 AM - 02:00 AM	0.002	0.003	0.003	0.003	0.003	0.004	0.003
02:00 AM - 03:00 AM	0.003	0.003	0.003	0.003	0.003	0.004	0.004
03:00 AM - 04:00 AM	0.003	0.003	0.003	0.003	0.003	0.003	0.004
04:00 AM - 05:00 AM	0.003	0.003	0.003	0.003	0.003	0.004	0.004
05:00 AM - 06:00 AM	0.003	0.003	0.003	0.004	0.004	0.004	0.004
06:00 AM - 07:00 AM	0.003	0.003	0.003	0.003	0.003	0.004	0.004
07:00 AM - 08:00 AM	0.003	0.003	0.003	0.003	0.003	0.004	0.004
08:00 AM - 09:00 AM	0.003	0.003	0.003	0.003	0.003	0.004	0.004
09:00 AM - 10:00 AM	0.003	0.003	0.004	0.003	0.003	0.004	0.004
10:00 AM - 11:00 AM	0.003	0.003	0.004	0.004	0.004	0.004	0.004
11:00 AM - 12:00 PM	0.003	0.003	0.003	0.004	0.004	0.004	0.004
12:00 PM - 01:00 PM	0.003	0.003	0.004	0.004	0.003	0.003	0.004
01:00 PM - 02:00 PM	0.003	0.004	0.004	0.004	0.004	0.004	0.004
02:00 PM - 03:00 PM	0.003	0.003	0.004	0.004	0.004	0.004	0.004
Average	0.003	0.003	0.003	0.003	0.003	0.003	0.004
1hr - Maximum	0.003	0.004	0.004	0.004	0.004	0.004	0.004
Standard 1hr - Average	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Standard 24 hrs - Average	0.12	0.12	0.12	0.12	0.12	0.12	0.12

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

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Approved by

Orawan Rakyong
Scientist (3)

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)-018/66
Project Name : Pluak Daeng
Project Location :

Lot ID: 2448763
Date Received : May 15, 2024
Date Reported : May 21, 2024
Report Number: 2998283-1

Sample Description Air Quality
Location บ้านวังตาผิน (A2)
Parameter Sulfur Dioxide (ppm)
Measurement Date May 07, 2024 - May 14, 2024
Measurement by Saknarin Jaraskay

Time	2448763-8 May 07, 2024	2448763-9 May 08, 2024	2448763-10 May 09, 2024	2448763-11 May 10, 2024	2448763-12 May 11, 2024	2448763-13 May 12, 2024	2448763-14 May 13, 2024
04:00 PM - 05:00 PM	0.005	0.004	0.006	0.006	0.006	0.006	0.006
05:00 PM - 06:00 PM	0.005	0.005	0.006	0.006	0.006	0.006	0.006
06:00 PM - 07:00 PM	0.005	0.005	0.006	0.006	0.006	0.006	0.006
07:00 PM - 08:00 PM	0.005	0.005	0.006	0.006	0.006	0.006	0.006
08:00 PM - 09:00 PM	0.005	0.005	0.005	0.006	0.006	0.006	0.006
09:00 PM - 10:00 PM	0.005	0.005	0.006	0.006	0.006	0.006	0.006
10:00 PM - 11:00 PM	0.005	0.005	0.006	0.006	0.006	0.006	0.006
11:00 PM - 12:00 AM	0.005	0.005	0.006	0.006	0.006	0.006	0.006
12:00 AM - 01:00 AM	0.005	0.005	0.006	0.006	0.006	0.006	0.006
01:00 AM - 02:00 AM	0.005	0.005	0.006	0.006	0.006	0.006	0.006
02:00 AM - 03:00 AM	0.005	0.006	0.006	0.006	0.006	0.006	0.006
03:00 AM - 04:00 AM	0.005	0.006	0.006	0.006	0.006	0.006	0.006
04:00 AM - 05:00 AM	0.005	0.005	0.006	0.006	0.006	0.006	0.006
05:00 AM - 06:00 AM	0.006	0.006	0.006	0.006	0.006	0.006	0.006
06:00 AM - 07:00 AM	0.005	0.006	0.006	0.006	0.006	0.006	0.006
07:00 AM - 08:00 AM	0.005	0.006	0.006	0.006	0.006	0.006	0.006
08:00 AM - 09:00 AM	0.005	0.006	0.006	0.006	0.006	0.006	0.006
09:00 AM - 10:00 AM	0.005	0.005	0.006	0.006	0.006	0.006	0.005
10:00 AM - 11:00 AM	0.005	0.006	0.006	0.006	0.006	0.006	0.005
11:00 AM - 12:00 PM	0.005	0.006	0.006	0.006	0.006	0.006	0.006
12:00 PM - 01:00 PM	0.005	0.006	0.006	0.006	0.006	0.006	0.006
01:00 PM - 02:00 PM	0.005	0.006	0.006	0.006	0.006	0.006	0.005
02:00 PM - 03:00 PM	0.005	0.005	0.006	0.006	0.006	0.008	0.005
03:00 PM - 04:00 PM	0.005	0.006	0.006	0.006	0.006	0.006	0.006
Average	0.005	0.005	0.006	0.006	0.006	0.006	0.006
1hr - Maximum	0.006	0.006	0.006	0.006	0.006	0.008	0.006
Standard 1hr - Average	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Standard 24 hrs - Average	0.12	0.12	0.12	0.12	0.12	0.12	0.12

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

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Approved by

Orawan Rakyong
Scientist (3)

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)-018/66
Project Name : Pluak Daeng
Project Location :

Lot ID: 2448763
Date Received : May 15, 2024
Date Reported : May 21, 2024
Report Number: 2998284-1

Sample Description Air Quality
Location วัดประสิทธิ์ธาราม (A3) (GPS 47P 0731870, 1430333)
Parameter Sulfur Dioxide (ppm)
Measurement Date May 07, 2024 - May 14, 2024
Measurement by Saknarin Jaraskay

Time	2448763-15 May 07, 2024	2448763-16 May 08, 2024	2448763-17 May 09, 2024	2448763-18 May 10, 2024	2448763-19 May 11, 2024	2448763-20 May 12, 2024	2448763-21 May 13, 2024
02:00 PM - 03:00 PM	0.004	0.004	0.004	0.004	0.004	0.004	0.004
03:00 PM - 04:00 PM	0.005	0.004	0.004	0.004	0.004	0.004	0.004
04:00 PM - 05:00 PM	0.004	0.004	0.004	0.004	0.004	0.004	0.004
05:00 PM - 06:00 PM	0.004	0.004	0.004	0.004	0.004	0.004	0.004
06:00 PM - 07:00 PM	0.004	0.004	0.004	0.004	0.004	0.004	0.004
07:00 PM - 08:00 PM	0.004	0.004	0.004	0.004	0.004	0.004	0.004
08:00 PM - 09:00 PM	0.004	0.004	0.004	0.004	0.004	0.004	0.004
09:00 PM - 10:00 PM	0.004	0.004	0.004	0.004	0.004	0.004	0.004
10:00 PM - 11:00 PM	0.004	0.004	0.004	0.004	0.004	0.004	0.004
11:00 PM - 12:00 AM	0.004	0.004	0.004	0.004	0.004	0.004	0.004
12:00 AM - 01:00 AM	0.004	0.004	0.004	0.004	0.004	0.004	0.004
01:00 AM - 02:00 AM	0.004	0.004	0.004	0.004	0.004	0.004	0.004
02:00 AM - 03:00 AM	0.004	0.004	0.004	0.004	0.004	0.004	0.004
03:00 AM - 04:00 AM	0.004	0.004	0.004	0.004	0.004	0.004	0.004
04:00 AM - 05:00 AM	0.004	0.004	0.004	0.004	0.004	0.004	0.004
05:00 AM - 06:00 AM	0.004	0.004	0.004	0.004	0.004	0.004	0.004
06:00 AM - 07:00 AM	0.004	0.004	0.004	0.004	0.004	0.004	0.004
07:00 AM - 08:00 AM	0.004	0.004	0.004	0.004	0.004	0.004	0.004
08:00 AM - 09:00 AM	0.004	0.004	0.004	0.003	0.004	0.004	0.004
09:00 AM - 10:00 AM	0.004	0.004	0.003	0.004	0.004	0.004	0.004
10:00 AM - 11:00 AM	0.004	0.004	0.004	0.004	0.004	0.004	0.004
11:00 AM - 12:00 PM	0.004	0.004	0.004	0.004	0.004	0.004	0.004
12:00 PM - 01:00 PM	0.004	0.004	0.004	0.004	0.004	0.004	0.004
01:00 PM - 02:00 PM	0.004	0.004	0.004	0.004	0.004	0.004	0.004
Average	0.004	0.004	0.004	0.004	0.004	0.004	0.004
1hr - Maximum	0.005	0.004	0.004	0.004	0.004	0.004	0.004
Standard 1hr - Average	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Standard 24 hrs - Average	0.12	0.12	0.12	0.12	0.12	0.12	0.12

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

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Approved by



Orawan Rakyong
Scientist (3)

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)-018/66
Project Name : Pluak Daeng
Project Location :

Lot ID: 2448763
Date Received : May 15, 2024
Date Reported : May 21, 2024
Report Number: 2998286-1

Sample Description Air Quality
Location วัดวังประดู่ (A4) (GPS 47P 0736656, 1430554)
Parameter Sulfur Dioxide (ppm)
Measurement Date May 07, 2024 - May 14, 2024
Measurement by Saknarin Jaraskay

Time	2448763-22 May 07, 2024	2448763-23 May 08, 2024	2448763-24 May 09, 2024	2448763-25 May 10, 2024	2448763-26 May 11, 2024	2448763-27 May 12, 2024	2448763-28 May 13, 2024
01:00 PM - 02:00 PM	0.005	0.004	0.004	0.004	0.004	0.004	0.004
02:00 PM - 03:00 PM	0.004	0.004	0.004	0.004	0.004	0.004	0.004
03:00 PM - 04:00 PM	0.004	0.004	0.004	0.004	0.004	0.004	0.004
04:00 PM - 05:00 PM	0.004	0.004	0.004	0.004	0.004	0.004	0.004
05:00 PM - 06:00 PM	0.004	0.004	0.004	0.004	0.004	0.004	0.004
06:00 PM - 07:00 PM	0.004	0.004	0.004	0.004	0.004	0.004	0.004
07:00 PM - 08:00 PM	0.004	0.004	0.004	0.004	0.004	0.004	0.004
08:00 PM - 09:00 PM	0.004	0.004	0.004	0.004	0.004	0.004	0.004
09:00 PM - 10:00 PM	0.004	0.004	0.004	0.004	0.004	0.004	0.004
10:00 PM - 11:00 PM	0.004	0.004	0.004	0.004	0.004	0.004	0.004
11:00 PM - 12:00 AM	0.004	0.004	0.004	0.004	0.004	0.004	0.004
12:00 AM - 01:00 AM	0.004	0.005	0.004	0.004	0.004	0.004	0.004
01:00 AM - 02:00 AM	0.004	0.005	0.004	0.004	0.004	0.004	0.004
02:00 AM - 03:00 AM	0.004	0.004	0.004	0.004	0.004	0.004	0.004
03:00 AM - 04:00 AM	0.004	0.004	0.004	0.004	0.004	0.004	0.004
04:00 AM - 05:00 AM	0.004	0.003	0.004	0.004	0.004	0.004	0.004
05:00 AM - 06:00 AM	0.004	0.004	0.004	0.004	0.004	0.004	0.004
06:00 AM - 07:00 AM	0.004	0.004	0.004	0.004	0.004	0.004	0.004
07:00 AM - 08:00 AM	0.004	0.004	0.004	0.004	0.004	0.004	0.004
08:00 AM - 09:00 AM	0.004	0.004	0.004	0.004	0.004	0.004	0.004
09:00 AM - 10:00 AM	0.004	0.004	0.004	0.004	0.004	0.004	0.004
10:00 AM - 11:00 AM	0.004	0.004	0.004	0.004	0.004	0.004	0.004
11:00 AM - 12:00 PM	0.004	0.004	0.004	0.004	0.004	0.004	0.004
12:00 PM - 01:00 PM	0.004	0.004	0.004	0.004	0.004	0.004	0.004
Average	0.004	0.004	0.004	0.004	0.004	0.004	0.004
1hr - Maximum	0.005	0.005	0.004	0.004	0.004	0.004	0.004
Standard 1hr - Average	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Standard 24 hrs - Average	0.12	0.12	0.12	0.12	0.12	0.12	0.12

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

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Approved by

Orawan Rakyong
Scientist (3)

Analysis / Test Report

LABORATORY ACCREDITATION BLA-DSS
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)-018/66
Project Name : Pluak Daeng
Project Location :

Lot ID: 2448765
Date Received : May 15, 2024
Date Reported : May 21, 2024
Report Number: 2979207-1

Sample Description Air Quality
Location วัดมาบยางพร (A1) (GPS 47P 0732270, 1436522))
Date Analysis Commenced May 15, 2024
Condition of Sample 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)
2448765-1	May 07 - May 08, 2024	0.047	0.029	757	28
2448765-2	May 08 - May 09, 2024	0.040	0.034	757	32
2448765-3	May 09 - May 10, 2024	0.040	0.021	757	30
2448765-4	May 10 - May 11, 2024	0.046	0.021	757	30
2448765-5	May 11 - May 12, 2024	0.089	0.023	757	30
2448765-6	May 12 - May 13, 2024	0.074	0.042	757	30
2448765-7	May 13 - May 14, 2024	0.047	0.024	757	30
Guideline		0.33	0.12	-	-

Reference Method

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

Particulate Metter (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 Kulsuriwong
Scientist (4)

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Analysis / Test Report

LABORATORY ACCREDITATION BLA-DSS
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)-018/66
Project Name : Pluak Daeng
Project Location :

Lot ID: 2448765
Date Received : May 15, 2024
Date Reported : May 21, 2024
Report Number: 2979207-2

Sample Description	Air Quality
Location	บ้านวังตาผิน (A2) (GPS 47 P 735930, 1436154)
Date Analysis Commenced	May 15, 2024
Condition of Sample	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)
2448765-8	May 07 - May 08, 2024	0.060	0.027	757	28
2448765-9	May 08 - May 09, 2024	0.102	0.051	757	32
2448765-10	May 09 - May 10, 2024	0.056	0.031	757	30
2448765-11	May 10 - May 11, 2024	0.084	0.046	757	30
2448765-12	May 11 - May 12, 2024	0.096	0.053	757	30
2448765-13	May 12 - May 13, 2024	0.072	0.043	757	30
2448765-14	May 13 - May 14, 2024	0.082	0.043	757	30
Guideline		0.33	0.12	-	-

Reference Method

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

Particulate Metter (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 Kulsuriwong
Scientist (4)

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Analysis / Test Report

LABORATORY ACCREDITATION BLA-DSS
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)-018/66
Project Name : Pluak Daeng
Project Location :

Lot ID: 2448765
Date Received : May 15, 2024
Date Reported : May 21, 2024
Report Number: 2979207-3

Sample Description	Air Quality
Location	วัดประสิทธิ์ธาราม (A3) (GPS 47P 0731870, 1430333)
Date Analysis Commenced	May 15, 2024
Condition of Sample	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)
2448765-15	May 07 - May 08, 2024	0.034	0.023	757	28
2448765-16	May 08 - May 09, 2024	0.035	0.024	757	32
2448765-17	May 09 - May 10, 2024	0.023	0.017	757	30
2448765-18	May 10 - May 11, 2024	0.024	0.020	757	30
2448765-19	May 11 - May 12, 2024	0.032	0.030	757	30
2448765-20	May 12 - May 13, 2024	0.036	0.018	757	30
2448765-21	May 13 - May 14, 2024	0.030	0.018	757	30
Guideline		0.33	0.12	-	-

Reference Method

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

Particulate Metter (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 Kulsuriwong
Scientist (4)

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Analysis / Test Report

LABORATORY ACCREDITATION BLA-DSS
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)-018/66
Project Name : Pluak Daeng
Project Location :

Lot ID: 2448765
Date Received : May 15, 2024
Date Reported : May 21, 2024
Report Number: 2979207-4

Sample Description	Air Quality
Location	วัดวังประดู่ (A4) (GPS 47P 0736656, 1430554)
Date Analysis Commenced	May 15, 2024
Condition of Sample	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)
2448765-22	May 07 - May 08, 2024	0.030	0.026	757	28
2448765-23	May 08 - May 09, 2024	0.059	0.023	757	32
2448765-24	May 09 - May 10, 2024	0.027	0.011	757	30
2448765-25	May 10 - May 11, 2024	0.033	0.016	757	30
2448765-26	May 11 - May 12, 2024	0.044	0.020	757	30
2448765-27	May 12 - May 13, 2024	0.051	0.027	757	30
2448765-28	May 13 - May 14, 2024	0.029	0.011	757	30
Guideline		0.33	0.12	-	-

Reference Method

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

Particulate Metter (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 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

Lot ID: 2448764
Date Received :May 15, 2024
Date Reported :May 20, 2024
Report Number :2979273-1

P/O : RJN(2)-018/66
Project Name : Pluak Daeng
Project Location :

Sample Number 2448764-1 to 7
Parameter Wind Speed / Wind Direction
Location วัดวังประดู่ (A4)
Sampling Date May 07 - May 14, 2024
Sampling by Saknarin Jaraskay

Time	May 07 - May 08, 2024			May 08 - May 09, 2024			May 09 - May 10, 2024			May 10 - May 11, 2024			May 11 - May 12, 2024			May 12 - May 13, 2024			May 13 - May 14, 2024		
	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)	
01:00 PM - 02:00 PM	0.3	83.0	E	3.7	143.0	SE	2.7	267.0	W	3.1	194.0	SSW	0.4	287.0	WNW	2.4	296.0	WNW	1.6	173.0	S
02:00 PM - 03:00 PM	0.6	26.0	NNE	3.4	187.0	S	0.0	-	-	3.7	143.0	SE	0.0	-	-	0.3	279.0	W	2.2	98.0	E
03:00 PM - 04:00 PM	0.3	40.0	NE	1.5	198.0	SSW	0.2	-	-	3.4	187.0	S	4.3	75.0	ENE	0.0	-	-	2.7	68.0	ENE
04:00 PM - 05:00 PM	0.0	-	-	1.3	175.0	S	1.4	351.0	N	1.5	198.0	SSW	0.7	305.0	NW	0.0	-	-	2.7	75.0	ENE
05:00 PM - 06:00 PM	0.5	30.0	NNE	0.0	-	-	0.2	-	-	1.3	175.0	S	0.0	-	-	2.2	241.0	WSW	1.1	136.0	SE
06:00 PM - 07:00 PM	0.0	-	-	0.0	-	-	4.4	99.0	E	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-
07:00 PM - 08:00 PM	0.5	94.0	E	0.3	296.0	WNW	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.6	278.0	W
08:00 PM - 09:00 PM	0.0	-	-	0.4	294.0	WNW	0.4	83.0	E	0.3	296.0	WNW	0.0	-	-	0.0	-	-	0.1	-	-
09:00 PM - 10:00 PM	0.0	-	-	0.0	-	-	0.0	-	-	0.4	294.0	WNW	0.0	-	-	0.0	-	-	1.1	326.0	NW
10:00 PM - 11:00 PM	0.3	63.0	ENE	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-
11:00 PM - 12:00 AM	0.6	35.0	NE	0.6	132.0	SE	0.3	63.0	ENE	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-
12:00 AM - 01:00 AM	0.0	-	-	0.0	-	-	0.6	35.0	NE	0.3	202.0	SSW	0.0	-	-	0.0	-	-	0.0	-	-
01:00 AM - 02:00 AM	0.0	-	-	0.0	-	-	0.0	-	-	0.2	-	-	0.0	-	-	1.4	46.0	NE	0.0	-	-
02:00 AM - 03:00 AM	0.0	-	-	0.0	-	-	0.0	-	-	0.6	357.0	N	0.3	15.0	NNE	4.2	94.0	E	0.4	29.0	NNE
03:00 AM - 04:00 AM	0.3	1.0	N	0.2	-	-	0.0	-	-	0.0	-	-	0.5	20.0	NNE	0.2	-	-	0.5	0.0	N
04:00 AM - 05:00 AM	0.1	-	-	0.0	-	-	0.3	1.0	N	0.0	-	-	0.2	-	-	0.0	-	-	0.0	-	-
05:00 AM - 06:00 AM	0.0	-	-	0.0	-	-	0.1	-	-	0.5	107.0	ESE	0.3	44.0	NE	0.0	-	-	0.7	150.0	SSE
06:00 AM - 07:00 AM	0.0	-	-	0.5	19.0	NNE	0.0	-	-	0.0	-	-	0.0	-	-	0.8	101.0	E	0.0	-	-
07:00 AM - 08:00 AM	1.9	181.0	S	0.0	-	-	0.0	-	-	1.2	344.0	NNW	0.0	-	-	0.0	-	-	0.3	348.0	NNW
08:00 AM - 09:00 AM	1.2	206.0	SSW	0.0	-	-	1.9	181.0	S	0.0	-	-	1.2	271.0	W	0.0	-	-	0.5	316.0	NW
09:00 AM - 10:00 AM	2.0	188.0	S	1.3	185.0	S	1.2	206.0	SSW	0.0	-	-	1.5	289.0	WNW	0.6	170.0	S	0.4	175.0	S
10:00 AM - 11:00 AM	0.0	-	-	0.4	198.0	SSW	2.0	188.0	S	0.4	317.0	NW	0.0	-	-	0.4	163.0	SSE	0.5	168.0	SSE
11:00 AM - 12:00 PM	3.3	165.0	SSE	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	1.3	161.0	SSE	0.8	166.0	SSE
12:00 PM - 01:00 PM	3.1	194.0	SSW	0.0	-	-	3.3	165.0	SSE	2.7	307.0	NW	0.0	-	-	2.4	180.0	S	0.6	185.0	S

Reference Method : Cup Anemometer & Anodized Aluminium Vane Method

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 Jittranont
Assistant General Manager

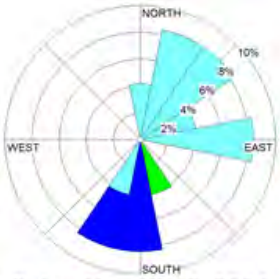
Analysis / Test Report

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

P/O : RJN(2)-018/66
Project Name : Pluak Daeng
Project Location :

Lot ID: 2448764
Date Received :May 15, 2024
Date Reported :May 20, 2024
Report Number :2979273-1

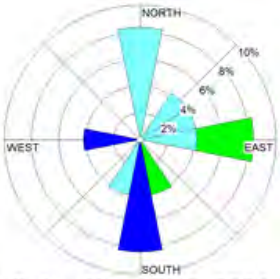
Wind Rose



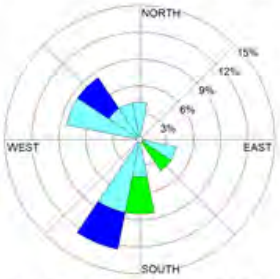
Date : May 07-08, 2024



Date : May 08-09, 2024



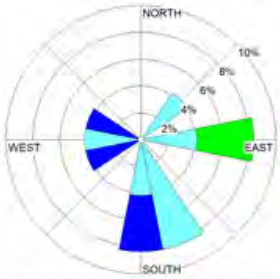
Date : May 09-10, 2024



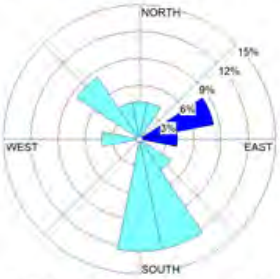
Date : May 10-11, 2024



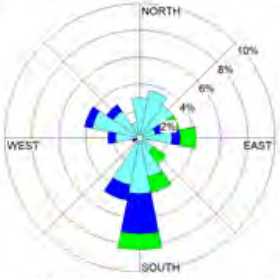
Date : May 11-12, 2024



Date : May 12-13, 2024



Date : May 13-14, 2024



Date : May 07-14, 2024

WS(m/s)		%
	≥ 10.0	0.00
	8.0-10.0	0.00
	5.5-8.0	0.00
	3.3-5.5	5.36
	1.7-3.3	8.33
	0.3-1.7	34.52
	Calms	51.79

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Approved by

Sarayuth Jittranont
Assistant General Manager

ภาคผนวก ค-02

คุณภาพน้ำเสียก่อนเข้าระบบส่วนกลางทางชีวภาพ

ของสวนอุตสาหกรรมปลวกแดง

และคุณภาพน้ำทิ้งภายหลังผ่านการบำบัดแล้ว

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

Lot ID: 23148047
Date Received : Jan 05, 2024
Date Reported : Jan 12, 2024
Report Number : 2884707-1

Sample Number	23148047-1
Sampled Date	Jan 05, 2024 11:30 AM
Sample Description	Wastewater
Location	Collecting Tank
Date Analysis Commenced	Jan 05, 2024
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
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	8.1	≤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
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	28	≤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		-	-	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
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

Technical Management

Narumon Banchongkit
Supervisor
ทะเบียนเลขที่ ว-323-จ-9445

Approved by

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. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

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

Lot ID: 23148047
Date Received : Jan 05, 2024
Date Reported : Jan 12, 2024
Report Number : 2884707-1

Sample Number	23148047-1
Sampled Date	Jan 05, 2024 11:30 AM
Sample Description	Wastewater
Location	Collecting Tank
Date Analysis Commenced	Jan 05, 2024
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
Water Testing							
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	-	-	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	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	24.6	≤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	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 : Narunat thammasaro ทะเบียนเลขที่ ว-323-จ-9477 , 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.

Technical Management

Narumon Banchongkit
Supervisor
ทะเบียนเลขที่ ว-323-จ-9445

Approved by

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. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

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: 23148047
Date Received : Jan 05, 2024
Date Reported : Jan 12, 2024
Report Number : 2884707-2

Sample Number	23148047-1
Sampled Date	Jan 05, 2024 11:30 AM
Sample Description	Wastewater
Location	Collecting Tank
Date Analysis Commenced	Jan 06, 2024
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
Metals Testing							
Arsenic	mg/L	0.0003	0.0005	0.0009	≤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	0.13	≤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	0.009	≤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	0.08	≤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
Suwimon Chairuangwut
Scientist (3)
ทะเบียนเลขที่ ว-204-จ-5417

Approved by
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. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

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: 23148047
Date Received : Jan 05, 2024
Date Reported : Jan 12, 2024
Report Number : 2884707-2

Sample Number	23148047-1
Sampled Date	Jan 05, 2024 11:30 AM
Sample Description	Wastewater
Location	Collecting Tank
Date Analysis Commenced	Jan 06, 2024
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
Metals Testing							
Nickel	mg/L	0.0003	0.0005	0.34	≤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	0.52	≤5.00	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Water Testing							
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 : Narunat thammasaro ทะเบียนเลขที่ ว-323-จ-9477 , 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.

Technical Management

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

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

Lot ID: 23148047
Date Received : Jan 05, 2024
Date Reported : Jan 13, 2024
Report Number : 2884707-3

Sample Number	23148047-1
Sampled Date	Jan 05, 2024 11:30 AM
Sample Description	Wastewater
Location	Collecting Tank
Date Analysis Commenced	Jan 06, 2024
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
Metals Testing							
[A] 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
[A] Iron	mg/L	0.003	0.005	0.98	≤10.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
[A] 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
Microbiological Testing							
[A] Fecal 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, E	Bangkok
[A] Total Coliform	MPN/100mL	-	-	3300000.0	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B	Bangkok
Water Testing							
Ammonia Nitrogen *	mg/L	0.02	0.05	17.1	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	64	≤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	2.1	≤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

Narumon Banchongkit
Supervisor

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

Lot ID: 23148047
Date Received : Jan 05, 2024
Date Reported : Jan 13, 2024
Report Number : 2884707-3

Sample Number	23148047-1
Sampled Date	Jan 05, 2024 11:30 AM
Sample Description	Wastewater
Location	Collecting Tank
Date Analysis Commenced	Jan 06, 2024
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
Water Testing							
Nitrate as N *	mg/L	0.015	0.05	0.54	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 : Narunat thammasaro , 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.
- [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.

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.

Approved by

Narumon Banchongkit
Supervisor

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

Lot ID: 23148047
Date Received : Jan 05, 2024
Date Reported : Jan 12, 2024
Report Number : 2884708-1

Sample Number	23148047-2
Sampled Date	Jan 05, 2024 12:00 PM
Sample Description	Wastewater
Location	Holding Pond
Date Analysis Commenced	Jan 05, 2024
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
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	8.3	≤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	110	≤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	22	≤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	0.007	≤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	<0.1	≤1.0	Wastewater analysis manual, Environmental Engineering Association of Thailand, 4th ed.,2004	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
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

Technical Management

Narumon Banchongkit
Supervisor
ทะเบียนเลขที่ ว-323-จ-9445

Approved by

Dej Changchon
Senior Manager
ทะเบียนเลขที่ ว-323-ค-9442

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

Lot ID: 23148047
Date Received : Jan 05, 2024
Date Reported : Jan 12, 2024
Report Number : 2884708-1

Sample Number	23148047-2
Sampled Date	Jan 05, 2024 12:00 PM
Sample Description	Wastewater
Location	Holding Pond
Date Analysis Commenced	Jan 05, 2024
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
Water Testing							
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	-	-	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	960	≤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	3.1	≤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	118	≤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 : Narunat thammasaro ทะเบียนเลขที ว-323-จ-9477 , Panupong Manit ทะเบียนเลขที 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.

Technical Management

Narumon Banchongkit
Supervisor
ทะเบียนเลขที่ ว-323-จ-9445

Approved by

Dej Changchon
Senior Manager
ทะเบียนเลขที่ ว-323-ค-9442

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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: 23148047
Date Received : Jan 05, 2024
Date Reported : Jan 12, 2024
Report Number : 2884708-2

Sample Number	23148047-2
Sampled Date	Jan 05, 2024 12:00 PM
Sample Description	Wastewater
Location	Holding Pond
Date Analysis Commenced	Jan 06, 2024
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
Metals Testing							
Arsenic	mg/L	0.0003	0.0005	0.003	≤0.25	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Barium	mg/L	0.0003	0.0005	0.29	≤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	0.003	≤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	0.19	≤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
Suwimon Chairuangwut
Scientist (3)
ทะเบียนเลขที่ ว-204-จ-5417

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: 23148047
Date Received : Jan 05, 2024
Date Reported : Jan 12, 2024
Report Number : 2884708-2

Sample Number	23148047-2
Sampled Date	Jan 05, 2024 12:00 PM
Sample Description	Wastewater
Location	Holding Pond
Date Analysis Commenced	Jan 06, 2024
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
Metals Testing							
Nickel	mg/L	0.0003	0.0005	0.59	≤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	0.80	≤5.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Water Testing							
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 : Narunat thammasaro ทะเบียนเลขที่ ว-323-จ-9477 , Panupong Manit ทะเบียนเลขที่ ว-204-จ-8600

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

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

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

Lot ID: 23148047
Date Received : Jan 05, 2024
Date Reported : Jan 13, 2024
Report Number : 2884708-3

Sample Number	23148047-2
Sampled Date	Jan 05, 2024 12:00 PM
Sample Description	Wastewater
Location	Holding Pond
Date Analysis Commenced	Jan 06, 2024
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
Metals Testing							
[A] Aluminium	mg/L	0.003	0.005	0.74	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
[A] Iron	mg/L	0.003	0.005	1.94	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
[A] Silver	mg/L	0.0003	0.0005	<0.0005	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Microbiological Testing							
[A] Fecal 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, E	Bangkok
[A] 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
Water Testing							
Ammonia Nitrogen *	mg/L	0.02	0.05	0.12	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	132	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	7.3	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

Narumon Banchongkit
Supervisor

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

Lot ID: 23148047
Date Received : Jan 05, 2024
Date Reported : Jan 13, 2024
Report Number : 2884708-3

Sample Number	23148047-2
Sampled Date	Jan 05, 2024 12:00 PM
Sample Description	Wastewater
Location	Holding Pond
Date Analysis Commenced	Jan 06, 2024
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
Water Testing							
Fluoride	mg/L	0.05	0.2	2.7	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 : Narunat thammasaro , 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.
- [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

Narumon Banchongkit
Supervisor

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

Lot ID: 23148047
Date Received : Jan 05, 2024
Date Reported : Jan 12, 2024
Report Number : 2884709-1

Sample Number	23148047-3
Sampled Date	Jan 05, 2024 11:45 AM
Sample Description	Wastewater
Location	Aeration Tank
Date Analysis Commenced	Jan 06, 2024
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
Water Testing						
Mixed Liqour Suspended Solids	mg/L	-	5	324	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 : Narunat thammasaro , Panupong Manit

Remark :
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Approved by

Narumon Banchongkit
Supervisor

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

Lot ID: 2410745
Date Received : Feb 02, 2024
Date Reported : Mar 11, 2024
Report Number : 2907000-1

Sample Number	2410745-1
Sampled Date	Feb 02, 2024 11:04 AM
Sample Description	Wastewater
Location	Collecting Tank
Date Analysis Commenced	Feb 02, 2024
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
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	26.7	≤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	125	≤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	35	≤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	33	≤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	0.6	≤1.0	Wastewater analysis manual, Environmental Engineering Association of Thailand, 4th ed.,2004	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
Phenol *	mg/L	0.005	0.01	0.01	≤1	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5530 D	Rayong

Technical Management

Narumon Banchongkit
Supervisor
ทะเบียนเลขที่ ว-323-จ-9445

Approved by

Dej Changchon
Senior Manager
ทะเบียนเลขที่ ว-323-ค-9442

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

Lot ID: 2410745
Date Received : Feb 02, 2024
Date Reported : Mar 11, 2024
Report Number : 2907000-1

Sample Number	2410745-1
Sampled Date	Feb 02, 2024 11:04 AM
Sample Description	Wastewater
Location	Collecting Tank
Date Analysis Commenced	Feb 02, 2024
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
Water Testing							
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	-	-	31.0	≤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	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	23.8	≤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	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 : Chainusorn Lertnanthakunchai ทะเบียนเลขที่ ว-323-จ-9461 , 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

Narumon Banchongkit
Supervisor
ทะเบียนเลขที่ ว-323-จ-9445

Approved by

Dej Changchon
Senior Manager
ทะเบียนเลขที่ ว-323-ค-9442

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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: 2410745
Date Received : Feb 02, 2024
Date Reported : Mar 11, 2024
Report Number : 2907000-2

Sample Number	2410745-1
Sampled Date	Feb 02, 2024 11:04 AM
Sample Description	Wastewater
Location	Collecting Tank
Date Analysis Commenced	Feb 05, 2024
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
Metals Testing							
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	0.36	≤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	0.04	≤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	0.11	≤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	<0.0005	≤0.005	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3112	Bangkok

Technical Management
Sawitree Noisangiam
Manager
ทะเบียนเลขที่ ว-204-จ-0007

Approved by
Kanokkorn Anek
Senior Manager
ทะเบียนเลขที่ ว-204-ค-0004

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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: 2410745
Date Received : Feb 02, 2024
Date Reported : Mar 11, 2024
Report Number : 2907000-2

Sample Number	2410745-1
Sampled Date	Feb 02, 2024 11:04 AM
Sample Description	Wastewater
Location	Collecting Tank
Date Analysis Commenced	Feb 05, 2024
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
Metals Testing							
Nickel	mg/L	0.0003	0.0005	0.46	≤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	0.60	≤5.00	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Water Testing							
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 : Chainusorn Lertnanthakunchai ทะเบียนเลขที่ ว-323-จ-9461 , Pattarapol Sawangjaitam ทะเบียนเลขที่ ว-204-จ-0002

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 Noisangiam
Manager
ทะเบียนเลขที่ ว-204-จ-0007

Approved by

Kanokkorn Anek
Senior Manager
ทะเบียนเลขที่ ว-204-ค-0004

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

Lot ID: 2410745
Date Received : Feb 02, 2024
Date Reported : Mar 11, 2024
Report Number : 2907000-3

Sample Number	2410745-1
Sampled Date	Feb 02, 2024 11:04 AM
Sample Description	Wastewater
Location	Collecting Tank
Date Analysis Commenced	Feb 03, 2024
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
Metals Testing							
[A] 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
[A] Iron	mg/L	0.003	0.005	1.56	≤10.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
[A] 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
Microbiological Testing							
[A] Fecal Coliform	MPN/100mL	-	-	3300000.0	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B, E	Bangkok
[A] Total Coliform	MPN/100mL	-	-	4900000.0	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B	Bangkok
Water Testing							
Ammonia Nitrogen *	mg/L	0.02	0.05	19.2	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	103	≤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	1.9	≤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

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

Lot ID: 2410745
Date Received : Feb 02, 2024
Date Reported : Mar 11, 2024
Report Number : 2907000-3

Sample Number	2410745-1
Sampled Date	Feb 02, 2024 11:04 AM
Sample Description	Wastewater
Location	Collecting Tank
Date Analysis Commenced	Feb 03, 2024
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
Water Testing							
Nitrate as N *	mg/L	0.015	0.05	0.14	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 : Chainusorn Lertnanthakunchai , 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.

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.

Approved by

Dej Changchon
Senior Manager

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

Lot ID: 2410745
Date Received : Feb 02, 2024
Date Reported : Mar 11, 2024
Report Number : 2907001-1

Sample Number	2410745-2
Sampled Date	Feb 02, 2024 11:17 AM
Sample Description	Wastewater
Location	Holding Pond
Date Analysis Commenced	Feb 02, 2024
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
Water Testing							
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	<25	≤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	18	≤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	0.4	≤1.0	Wastewater analysis manual, Environmental Engineering Association of Thailand, 4th ed.,2004	Rayong
pH at 25 degree C		-	-	9.0	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	Not Detected	≤1.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5530 D	Rayong

Technical Management

Narumon Banchongkit
Supervisor
ทะเบียนเลขที่ ว-323-จ-9445

Approved by

Dej Changchon
Senior Manager
ทะเบียนเลขที่ ว-323-ค-9442

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

Lot ID: 2410745
Date Received : Feb 02, 2024
Date Reported : Mar 11, 2024
Report Number : 2907001-1

Sample Number	2410745-2
Sampled Date	Feb 02, 2024 11:17 AM
Sample Description	Wastewater
Location	Holding Pond
Date Analysis Commenced	Feb 02, 2024
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
Water Testing							
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	-	-	31.6	≤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	888	≤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	2.9	≤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	11	≤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 : Chainusorn Lertnanthakunchai ทะเบียนเลขที่ ว-323-จ-9461 , Pattarapol Sawangjaitam ทะเบียนเลขที่ ว-204-จ-0002

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

Narumon Banchongkit
Supervisor
ทะเบียนเลขที่ ว-323-จ-9445

Approved by

Dej Changchon
Senior Manager
ทะเบียนเลขที่ ว-323-ค-9442

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ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

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: 2410745
Date Received : Feb 02, 2024
Date Reported : Mar 11, 2024
Report Number : 2907001-2

Sample Number	2410745-2
Sampled Date	Feb 02, 2024 11:17 AM
Sample Description	Wastewater
Location	Holding Pond
Date Analysis Commenced	Feb 05, 2024
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
Metals Testing							
Arsenic	mg/L	0.0003	0.0005	0.0009	≤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	0.01	≤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	<0.0005	≤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	0.01	≤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
Sawitree Noisangiam
Manager
ทะเบียนเลขที่ ว-204-จ-0007

Approved by
Kanokkorn Anek
Senior Manager
ทะเบียนเลขที่ ว-204-ค-0004

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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: 2410745
Date Received : Feb 02, 2024
Date Reported : Mar 11, 2024
Report Number : 2907001-2

Sample Number	2410745-2
Sampled Date	Feb 02, 2024 11:17 AM
Sample Description	Wastewater
Location	Holding Pond
Date Analysis Commenced	Feb 05, 2024
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
Metals Testing							
Nickel	mg/L	0.0003	0.0005	0.33	≤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	0.61	≤5.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Water Testing							
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 : Chainusorn Lertnanthakunchai ทะเบียนเลขที่ ว-323-จ-9461 , Pattarapol Sawangjaitam ทะเบียนเลขที่ ว-204-จ-0002

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 Noisangiam
Manager
ทะเบียนเลขที่ ว-204-จ-0007

Approved by
Kanokkorn Anek
Senior Manager
ทะเบียนเลขที่ ว-204-ค-0004

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

Lot ID: 2410745
Date Received : Feb 02, 2024
Date Reported : Mar 11, 2024
Report Number : 2907001-3

Sample Number	2410745-2
Sampled Date	Feb 02, 2024 11:17 AM
Sample Description	Wastewater
Location	Holding Pond
Date Analysis Commenced	Feb 03, 2024
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
Metals Testing							
[A] 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
[A] Iron	mg/L	0.003	0.005	0.27	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
[A] 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
Microbiological Testing							
[A] Fecal Coliform	MPN/100mL	-	-	4900.0	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B, E	Bangkok
[A] Total Coliform	MPN/100mL	-	-	13000.0	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B	Bangkok
Water Testing							
Ammonia Nitrogen *	mg/L	0.02	0.05	0.11	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	110	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	10.4	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

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

Lot ID: 2410745
Date Received : Feb 02, 2024
Date Reported : Mar 11, 2024
Report Number : 2907001-3

Sample Number	2410745-2
Sampled Date	Feb 02, 2024 11:17 AM
Sample Description	Wastewater
Location	Holding Pond
Date Analysis Commenced	Feb 03, 2024
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
Water Testing							
Fluoride	mg/L	0.05	0.2	2.3	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 : Chainusorn Lertnanthakunchai , 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

Dej Changchon
Senior Manager

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

Lot ID: 2410745
Date Received : Feb 02, 2024
Date Reported : Mar 11, 2024
Report Number : 2907002-1

Sample Number	2410745-3
Sampled Date	Feb 02, 2024 11:12 AM
Sample Description	Wastewater
Location	Aeration Tank
Date Analysis Commenced	Feb 03, 2024
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
Water Testing						
Mixed Liqour Suspended Solids	mg/L	-	5	12	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 : Chainusorn Lertnanthakunchai , Pattarapol Sawangjaitam

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

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Narumon Banchongkit
Supervisor

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

Lot ID: 2422685
Date Received : Mar 01, 2024
Date Reported : Mar 07, 2024
Report Number : 2929989-1

Sample Number	2422685-1
Sampled Date	Mar 01, 2024 11:07 AM
Sample Description	Wastewater
Location	Collecting Tank
Date Analysis Commenced	Mar 01, 2024
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
Water Testing							
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	101	≤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	26	≤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	0.8	≤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	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5530 D	Rayong

Technical Management

Narumon Banchongkit
Supervisor
ทะเบียนเลขที่ ว-323-จ-9445

Approved by

Dej Changchon
Senior Manager
ทะเบียนเลขที่ ว-323-ค-9442

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

Lot ID: 2422685
Date Received : Mar 01, 2024
Date Reported : Mar 07, 2024
Report Number : 2929989-1

Sample Number	2422685-1
Sampled Date	Mar 01, 2024 11:07 AM
Sample Description	Wastewater
Location	Collecting Tank
Date Analysis Commenced	Mar 01, 2024
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
Water Testing							
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	0.6	≤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	-	-	32.3	≤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	484	≤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	26.3	≤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	26	≤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 : Chainusorn Lertnanthakunchai ทะเบียนเลขที่ ว-323-จ-9461 , 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

Narumon Banchongkit
Supervisor
ทะเบียนเลขที่ ว-323-จ-9445

Approved by

Dej Changchon
Senior Manager
ทะเบียนเลขที่ ว-323-ค-9442

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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: 2422685
Date Received : Mar 01, 2024
Date Reported : Mar 08, 2024
Report Number : 2929989-2

Sample Number	2422685-1
Sampled Date	Mar 01, 2024 11:07 AM
Sample Description	Wastewater
Location	Collecting Tank
Date Analysis Commenced	Mar 02, 2024
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
Metals Testing							
Arsenic	mg/L	0.0003	0.0005	0.0010	≤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	0.39	≤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	0.10	≤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 Noisangiam
Manager
ทะเบียนเลขที่ ว-204-จ-0007

Approved by
Kanokkorn Anek
Senior Manager
ทะเบียนเลขที่ ว-204-ค-0004

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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: 2422685
Date Received : Mar 01, 2024
Date Reported : Mar 08, 2024
Report Number : 2929989-2

Sample Number	2422685-1
Sampled Date	Mar 01, 2024 11:07 AM
Sample Description	Wastewater
Location	Collecting Tank
Date Analysis Commenced	Mar 02, 2024
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
Metals Testing							
Nickel	mg/L	0.0003	0.0005	0.77	≤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	0.76	≤5.00	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Water Testing							
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 : Chainusorn Lertnanthakunchai ทะเบียนเลขที่ ว-323-จ-9461 , Pattarapol Sawangjaitam ทะเบียนเลขที่ ว-204-จ-0002

Remark :
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Technical Management

Sawitree Noisangiam
Manager
ทะเบียนเลขที่ ว-204-จ-0007

Approved by

Kanokkorn Anek
Senior Manager
ทะเบียนเลขที่ ว-204-ค-0004

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

Lot ID: 2422685
Date Received : Mar 01, 2024
Date Reported : Mar 08, 2024
Report Number : 2929989-3

Sample Number	2422685-1
Sampled Date	Mar 01, 2024 11:07 AM
Sample Description	Wastewater
Location	Collecting Tank
Date Analysis Commenced	Mar 01, 2024
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
Metals Testing							
[A] Aluminium	mg/L	0.003	0.005	0.06	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
[A] Iron	mg/L	0.003	0.005	1.95	≤10.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
[A] 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
Microbiological Testing							
[A] Fecal Coliform	MPN/100mL	-	-	2200000.0	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B, E	Bangkok
[A] Total Coliform	MPN/100mL	-	-	7900000.0	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B	Bangkok
Water Testing							
Ammonia Nitrogen *	mg/L	0.02	0.05	23.9	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-NH3 (F)	Rayong
Chloride as Cl *	mg/L	0.5	1	102	≤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	5.1	≤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

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

Lot ID: 2422685
Date Received : Mar 01, 2024
Date Reported : Mar 08, 2024
Report Number : 2929989-3

Sample Number	2422685-1
Sampled Date	Mar 01, 2024 11:07 AM
Sample Description	Wastewater
Location	Collecting Tank
Date Analysis Commenced	Mar 01, 2024
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
Water Testing							
Nitrate as N *	mg/L	0.015	0.05	5.13	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 : Chainusorn Lertnanthakunchai , 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

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

Lot ID: 2422685
Date Received : Mar 01, 2024
Date Reported : Mar 07, 2024
Report Number : 2929990-1

Sample Number	2422685-2
Sampled Date	Mar 01, 2024 11:20 AM
Sample Description	Wastewater
Location	Holding Pond
Date Analysis Commenced	Mar 01, 2024
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
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	2.1	≤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	46	≤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	18	≤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	16	≤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	0.6	≤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

Technical Management

Narumon Banchongkit
Supervisor
ทะเบียนเลขที่ ว-323-จ-9445

Approved by

Dej Changchon
Senior Manager
ทะเบียนเลขที่ ว-323-ค-9442

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

Lot ID: 2422685
Date Received : Mar 01, 2024
Date Reported : Mar 07, 2024
Report Number : 2929990-1

Sample Number	2422685-2
Sampled Date	Mar 01, 2024 11:20 AM
Sample Description	Wastewater
Location	Holding Pond
Date Analysis Commenced	Mar 01, 2024
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
Water Testing							
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	0.6	≤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	-	-	30.0	≤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	1000	≤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	2.4	≤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	48	≤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 : Chainusorn Lertnanthakunchai ทะเบียนเลขที่ ว-323-จ-9461 , 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

Narumon Banchongkit
Supervisor
ทะเบียนเลขที่ ว-323-จ-9445

Approved by

Dej Changchon
Senior Manager
ทะเบียนเลขที่ ว-323-ค-9442

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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: 2422685
Date Received : Mar 01, 2024
Date Reported : Mar 08, 2024
Report Number : 2929990-2

Sample Number	2422685-2
Sampled Date	Mar 01, 2024 11:20 AM
Sample Description	Wastewater
Location	Holding Pond
Date Analysis Commenced	Mar 02, 2024
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
Metals Testing							
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	0.27	≤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	0.001	≤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	0.05	≤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 Noisangiam
Manager
ทะเบียนเลขที่ ว-204-จ-0007

Approved by
Kanokkorn Anek
Senior Manager
ทะเบียนเลขที่ ว-204-ค-0004

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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: 2422685
Date Received : Mar 01, 2024
Date Reported : Mar 08, 2024
Report Number : 2929990-2

Sample Number	2422685-2
Sampled Date	Mar 01, 2024 11:20 AM
Sample Description	Wastewater
Location	Holding Pond
Date Analysis Commenced	Mar 02, 2024
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
Metals Testing							
Nickel	mg/L	0.0003	0.0005	0.46	≤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	0.58	≤5.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Water Testing							
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 : Chainusorn Lertnanthakunchai ทะเบียนเลขที่ ว-323-จ-9461 , Pattarapol Sawangjaitam ทะเบียนเลขที่ ว-204-จ-0002

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 Noisangiam
Manager
ทะเบียนเลขที่ ว-204-จ-0007

Approved by
Kanokkorn Anek
Senior Manager
ทะเบียนเลขที่ ว-204-ค-0004

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

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: 2422685
Date Received : Mar 01, 2024
Date Reported : Mar 08, 2024
Report Number : 2929990-3

Sample Number	2422685-2
Sampled Date	Mar 01, 2024 11:20 AM
Sample Description	Wastewater
Location	Holding Pond
Date Analysis Commenced	Mar 02, 2024
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
Metals Testing							
[A] Aluminium	mg/L	0.003	0.005	0.21	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
[A] Iron	mg/L	0.003	0.005	1.00	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
[A] 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
Microbiological Testing							
[A] Fecal 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, E	Bangkok
[A] Total Coliform	MPN/100mL	-	-	2400.0	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B	Bangkok
Water Testing							
Ammonia Nitrogen *	mg/L	0.02	0.05	0.21	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-NH3 (F)	Rayong
Chloride as Cl *	mg/L	0.5	1	111	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	7.7	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

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: 2422685
Date Received : Mar 01, 2024
Date Reported : Mar 08, 2024
Report Number : 2929990-3

Sample Number	2422685-2
Sampled Date	Mar 01, 2024 11:20 AM
Sample Description	Wastewater
Location	Holding Pond
Date Analysis Commenced	Mar 02, 2024
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
Water Testing							
Fluoride	mg/L	0.05	0.2	3.2	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 : Chainusorn Lertnanthakunchai , 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. Songkhla Branch, DSS Accreditation No. 0166.
- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

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Approved by

Dej Changchon
Senior Manager

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

Lot ID: 2422685
Date Received : Mar 01, 2024
Date Reported : Mar 07, 2024
Report Number : 2929991-1

Sample Number	2422685-3
Sampled Date	Mar 01, 2024 11:15 AM
Sample Description	Wastewater
Location	Aeration Tank
Date Analysis Commenced	Mar 02, 2024
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
Water Testing						
Mixed Liqour Suspended Solids *	mg/L	-	5	872	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	46	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2170 D	Rayong
SV30 *	mL/L	-	2	40	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 : Chainusorn Lertnanthakunchai , Pattarapol Sawangjaitam

Remark :
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Approved by

Narumon Banchongkit
Supervisor

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

Lot ID: 2434223
Date Received : Apr 01, 2024
Date Reported : Apr 08, 2024
Report Number : 2959816-1

Sample Number	2434223-1
Sampled Date	Apr 01, 2024 11:00 AM
Sample Description	Wastewater
Location	Collecting Tank
Date Analysis Commenced	Apr 01, 2024
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
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	15.7	≤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	99	≤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	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	0.2	≤1.0	Wastewater analysis manual, Environmental Engineering Association of Thailand, 4th ed.,2004	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
Phenol	mg/L	0.005	0.01	0.01	≤1	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5530 D	Rayong

Technical Management

Photchana Seeda
Scientist (4)
ทะเบียนเลขที่ ว-323-จ-9446

Approved by

Dej Changchon
Senior Manager
ทะเบียนเลขที่ ว-323-ค-9442

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

Lot ID: 2434223
Date Received : Apr 01, 2024
Date Reported : Apr 08, 2024
Report Number : 2959816-1

Sample Number	2434223-1
Sampled Date	Apr 01, 2024 11:00 AM
Sample Description	Wastewater
Location	Collecting Tank
Date Analysis Commenced	Apr 01, 2024
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
Water Testing							
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	-	-	33.1	≤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	604	≤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	21.8	≤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	22	≤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 : Chainusorn Lertnanthakunchai ทะเบียนเลขที่ ว-323-จ-9461 , 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.
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Technical Management

Photchana Seeda
Scientist (4)
ทะเบียนเลขที่ ว-323-จ-9446

Approved by

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. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

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: 2434223
Date Received : Apr 01, 2024
Date Reported : Apr 08, 2024
Report Number : 2959816-2

Sample Number	2434223-1
Sampled Date	Apr 01, 2024 11:00 AM
Sample Description	Wastewater
Location	Collecting Tank
Date Analysis Commenced	Apr 02, 2024
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
Metals Testing							
Arsenic	mg/L	0.0003	0.0005	0.0009	≤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	0.30	≤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	0.01	≤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	0.0009	≤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	<0.0005	≤0.005	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3112	Bangkok

Technical Management
Narin Saiseng
Supervisor
ทะเบียนเลขที่ ว-204-จ-0009

Approved by
Kanokkorn Anek
Senior Manager
ทะเบียนเลขที่ ว-204-ค-0004

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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: 2434223
Date Received : Apr 01, 2024
Date Reported : Apr 08, 2024
Report Number : 2959816-2

Sample Number	2434223-1
Sampled Date	Apr 01, 2024 11:00 AM
Sample Description	Wastewater
Location	Collecting Tank
Date Analysis Commenced	Apr 02, 2024
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
Metals Testing							
Nickel	mg/L	0.0003	0.0005	1.10	≤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	0.69	≤5.00	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Water Testing							
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 : Chainusorn Lertnanthakunchai ทะเบียนเลขที่ ว-323-จ-9461 , Pattarapol Sawangjaitam ทะเบียนเลขที่ ว-204-จ-0002

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

Narin Saiseng
Supervisor
ทะเบียนเลขที่ ว-204-จ-0009

Approved by

Kanokkorn Anek
Senior Manager
ทะเบียนเลขที่ ว-204-ค-0004

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

Lot ID: 2434223
Date Received : Apr 01, 2024
Date Reported : Apr 08, 2024
Report Number : 2959816-3

Sample Number	2434223-1
Sampled Date	Apr 01, 2024 11:00 AM
Sample Description	Wastewater
Location	Collecting Tank
Date Analysis Commenced	Apr 02, 2024
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
Metals Testing							
[A] Aluminium	mg/L	0.003	0.005	0.06	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
[A] Iron	mg/L	0.003	0.005	3.00	≤10.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
[A] 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
Microbiological Testing							
[A] Fecal 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, E	Bangkok
[A] Total Coliform	MPN/100mL	-	-	330000.0	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B	Bangkok
Water Testing							
Ammonia Nitrogen *	mg/L	0.02	0.05	18.1	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-NH3 (F)	Rayong
Chloride as Cl *	mg/L	0.5	1	184	≤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	4.6	≤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

Photchana S.

Photchana Seeda
Scientist (4)

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

Lot ID: 2434223
Date Received : Apr 01, 2024
Date Reported : Apr 08, 2024
Report Number : 2959816-3

Sample Number	2434223-1
Sampled Date	Apr 01, 2024 11:00 AM
Sample Description	Wastewater
Location	Collecting Tank
Date Analysis Commenced	Apr 02, 2024
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
Water Testing							
Nitrate as N *	mg/L	0.015	0.05	1.27	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 : Chainusorn Lertnanthakunchai , Pattarapol Sawangjaitam

Remark :
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- 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

Photchana S.

Photchana Seeda
Scientist (4)

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

Lot ID: 2434223
Date Received : Apr 01, 2024
Date Reported : Apr 08, 2024
Report Number : 2959817-1

Sample Number	2434223-2
Sampled Date	Apr 01, 2024 11:15 AM
Sample Description	Wastewater
Location	Holding Pond
Date Analysis Commenced	Apr 01, 2024
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
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	4.6	≤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	51	≤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	<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		-	-	8.3	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	≤1.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5530 D	Rayong

Technical Management

Photchana Seeda
Scientist (4)
ทะเบียนเลขที่ ว-323-จ-9446

Approved by

Dej Changchon
Senior Manager
ทะเบียนเลขที่ ว-323-ค-9442

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

Lot ID: 2434223
Date Received : Apr 01, 2024
Date Reported : Apr 08, 2024
Report Number : 2959817-1

Sample Number	2434223-2
Sampled Date	Apr 01, 2024 11:15 AM
Sample Description	Wastewater
Location	Holding Pond
Date Analysis Commenced	Apr 01, 2024
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
Water Testing							
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	-	-	31.4	≤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	956	≤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	4.2	≤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	50	≤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 : Chainusorn Lertnanthakunchai ทะเบียนเลขที่ ว-323-จ-9461 , 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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Technical Management
Photchana Seeda
Scientist (4)
ทะเบียนเลขที่ ว-323-จ-9446

Approved by
Dej Changchon
Senior Manager
ทะเบียนเลขที่ ว-323-ค-9442

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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: 2434223
Date Received : Apr 01, 2024
Date Reported : Apr 08, 2024
Report Number : 2959817-2

Sample Number	2434223-2
Sampled Date	Apr 01, 2024 11:15 AM
Sample Description	Wastewater
Location	Holding Pond
Date Analysis Commenced	Apr 02, 2024
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
Metals Testing							
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	0.28	≤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	0.002	≤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	0.11	≤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 Noisangiam
Manager
ทะเบียนเลขที่ ว-204-จ-0007

Approved by
Kanokkorn Anek
Senior Manager
ทะเบียนเลขที่ ว-204-ค-0004

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

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: 2434223
Date Received : Apr 01, 2024
Date Reported : Apr 08, 2024
Report Number : 2959817-2

Sample Number	2434223-2
Sampled Date	Apr 01, 2024 11:15 AM
Sample Description	Wastewater
Location	Holding Pond
Date Analysis Commenced	Apr 02, 2024
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
Metals Testing							
Nickel	mg/L	0.0003	0.0005	0.42	≤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	0.55	≤5.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Water Testing							
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 : Chainusorn Lertnanthakunchai ทะเบียนเลขที่ ว-323-จ-9461 , Pattarapol Sawangjaitam ทะเบียนเลขที่ ว-204-จ-0002

Remark :
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Technical Management
Sawitree Noisangiam
Manager
ทะเบียนเลขที่ ว-204-จ-0007

Approved by
Kanokkorn Anek
Senior Manager
ทะเบียนเลขที่ ว-204-ค-0004

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

Lot ID: 2434223
Date Received : Apr 01, 2024
Date Reported : Apr 08, 2024
Report Number : 2959817-3

Sample Number	2434223-2
Sampled Date	Apr 01, 2024 11:15 AM
Sample Description	Wastewater
Location	Holding Pond
Date Analysis Commenced	Apr 02, 2024
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
Metals Testing							
[A] 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
[A] Iron	mg/L	0.003	0.005	1.40	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
[A] 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
Microbiological Testing							
[A] Fecal 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, E	Bangkok
[A] Total 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	Bangkok
Water Testing							
Ammonia Nitrogen *	mg/L	0.02	0.05	0.25	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-NH3 (F)	Rayong
Chloride as Cl *	mg/L	0.5	1	156	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	5.2	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

Photchana S.

Photchana Seeda
Scientist (4)

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

Lot ID: 2434223
Date Received : Apr 01, 2024
Date Reported : Apr 08, 2024
Report Number : 2959817-3

Sample Number	2434223-2
Sampled Date	Apr 01, 2024 11:15 AM
Sample Description	Wastewater
Location	Holding Pond
Date Analysis Commenced	Apr 02, 2024
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
Water Testing							
Fluoride	mg/L	0.05	0.2	2.1	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 : Chainusorn Lertnanthakunchai , 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

Photchana S.

Photchana Seeda
Scientist (4)

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

Lot ID: 2434223
Date Received : Apr 01, 2024
Date Reported : Apr 08, 2024
Report Number : 2959818-1

Sample Number	2434223-3
Sampled Date	Apr 01, 2024 11:05 AM
Sample Description	Wastewater
Location	Aeration Tank
Date Analysis Commenced	Apr 02, 2024
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
Water Testing						
Mixed Liqour Suspended Solids	mg/L	-	5	771	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	60	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2170 D	Rayong
SV30	mL/L	-	2	46	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 : Chainusorn Lertnanthakunchai , Pattarapol Sawangjaitam

Remark :
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Approved by

Photchana S.

Photchana Seeda
Scientist (4)

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

Lot ID: 2447651
Date Received : May 03, 2024
Date Reported : May 10, 2024
Report Number : 2987039-1

Sample Number	2447651-1
Sampled Date	May 03, 2024 11:43 AM
Sample Description	Wastewater
Location	Collecting Tank
Date Analysis Commenced	May 03, 2024
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
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	43.1	≤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	229	≤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	37	≤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	36	≤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	0.3	≤1.0	Wastewater analysis manual, Environmental Engineering Association of Thailand, 4th ed.,2004	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
Phenol	mg/L	0.005	0.01	0.04	≤1	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5530 D	Rayong

Technical Management

Narumon Banchongkit
Supervisor
ทะเบียนเลขที่ ว-323-จ-9445

Approved by

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. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

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

Life Sciences www.alsglobal.com
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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
P/O :
Project Name : โครงการสวนอุตสาหกรรมปลวกแดง (โรจนะปลวกแดง/ระยอง2)
Project Location: WWTP

Lot ID: 2447651
Date Received : May 03, 2024
Date Reported : May 10, 2024
Report Number : 2987039-1

Sample Number	2447651-1
Sampled Date	May 03, 2024 11:43 AM
Sample Description	Wastewater
Location	Collecting Tank
Date Analysis Commenced	May 03, 2024
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
Water Testing							
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	0.6	≤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	-	-	36.1	≤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	664	≤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	30.5	≤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	94	≤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 : Chainusorn Lertnanthakunchai ทะเบียนเลขที่ ว-323-จ-9461 , Samart Khumphlee ทะเบียนเลขที่ ว-204-จ-0084

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

Narumon Banchongkit
Supervisor
ทะเบียนเลขที่ ว-323-จ-9445

Approved by

Dej Changchon
Senior Manager
ทะเบียนเลขที่ ว-323-ค-9442

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ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

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: 2447651
Date Received : May 03, 2024
Date Reported : May 10, 2024
Report Number : 2987039-2

Sample Number	2447651-1
Sampled Date	May 03, 2024 11:43 AM
Sample Description	Wastewater
Location	Collecting Tank
Date Analysis Commenced	May 04, 2024
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
Metals Testing							
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	0.56	≤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	0.06	≤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	0.02	≤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	0.14	≤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 Noisangiam
Manager
ทะเบียนเลขที่ ว-204-จ-0007

Approved by
Kanokkorn Anek
Senior Manager
ทะเบียนเลขที่ ว-204-ค-0004

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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: 2447651
Date Received : May 03, 2024
Date Reported : May 10, 2024
Report Number : 2987039-2

Sample Number	2447651-1
Sampled Date	May 03, 2024 11:43 AM
Sample Description	Wastewater
Location	Collecting Tank
Date Analysis Commenced	May 04, 2024
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
Metals Testing							
Nickel	mg/L	0.0003	0.0005	0.58	≤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	<0.0005	≤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	1.18	≤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	1.08	≤5.00	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Water Testing							
Oil & Grease *	mg/L	-	3	20	≤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 : Chainusorn Lertnanthakunchai ทะเบียนเลขที่ ว-323-จ-9461 , Samart Khumphlee ทะเบียนเลขที่ ว-204-จ-0084

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.

Technical Management
Sawitree Noisangiam
Manager
ทะเบียนเลขที่ ว-204-จ-0007

Approved by
Kanokkorn Anek
Senior Manager
ทะเบียนเลขที่ ว-204-ค-0004

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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: 2447651
Date Received : May 03, 2024
Date Reported : May 10, 2024
Report Number : 2987039-2

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

Technical Management

Sawitree Noisangiam
Manager
ทะเบียนเลขที่ ว-204-จ-0007

Approved by

Kanokkorn Anek
Senior Manager
ทะเบียนเลขที่ ว-204-ค-0004

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

Lot ID: 2447651
Date Received : May 03, 2024
Date Reported : May 10, 2024
Report Number : 2987039-3

Sample Number	2447651-1
Sampled Date	May 03, 2024 11:43 AM
Sample Description	Wastewater
Location	Collecting Tank
Date Analysis Commenced	May 04, 2024
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
Metals Testing							
[A] Aluminium	mg/L	0.003	0.005	0.40	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
[A] Iron	mg/L	0.003	0.005	4.34	≤10.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Microbiological Testing							
[A] Fecal Coliform	MPN/100mL	-	-	3300000.0	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B, E	Bangkok
[A] Total Coliform	MPN/100mL	-	-	4900000.0	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B	Bangkok
Water Testing							
Ammonia Nitrogen *	mg/L	0.02	0.05	23.6	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-NH3 (F)	Rayong
Chloride as Cl *	mg/L	0.5	1	159	≤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	2.4	≤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	17.4	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-NO3 (E)	Rayong

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Approved by

N.Banchongkit

Narumon Banchongkit
Supervisor

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

Lot ID: 2447651
Date Received : May 03, 2024
Date Reported : May 10, 2024
Report Number : 2987039-3

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

Sampling By : Chainusorn Lertnanthakunchai , 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.

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.

Approved by

Narumon Banchongkit
Supervisor

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

Lot ID: 2447651
Date Received : May 03, 2024
Date Reported : May 10, 2024
Report Number : 2987040-1

Sample Number	2447651-2
Sampled Date	May 03, 2024 11:52 AM
Sample Description	Wastewater
Location	Holding Pond
Date Analysis Commenced	May 03, 2024
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
Water Testing							
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	41	≤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	0.2	≤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	0.02	≤1.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5530 D	Rayong

Technical Management

Narumon Banchongkit
Supervisor
ทะเบียนเลขที่ ว-323-จ-9445

Approved by

Dej Changchon
Senior Manager
ทะเบียนเลขที่ ว-323-ค-9442

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

Lot ID: 2447651
Date Received : May 03, 2024
Date Reported : May 10, 2024
Report Number : 2987040-1

Sample Number	2447651-2
Sampled Date	May 03, 2024 11:52 AM
Sample Description	Wastewater
Location	Holding Pond
Date Analysis Commenced	May 03, 2024
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
Water Testing							
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	-	-	32.9	≤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	992	≤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	2.9	≤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 : Chainusorn Lertnanthakunchai ทะเบียนเลขที่ ว-323-จ-9461 , Samart Khumphlee ทะเบียนเลขที่ ว-204-จ-0084

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

Narumon Banchongkit
Supervisor
ทะเบียนเลขที่ ว-323-จ-9445

Approved by

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. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

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: 2447651
Date Received : May 03, 2024
Date Reported : May 10, 2024
Report Number : 2987040-2

Sample Number	2447651-2
Sampled Date	May 03, 2024 11:52 AM
Sample Description	Wastewater
Location	Holding Pond
Date Analysis Commenced	May 04, 2024
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
Metals Testing							
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	0.21	≤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	0.01	≤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	0.0010	≤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	0.05	≤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 Noisangiam
Manager
ทะเบียนเลขที่ ว-204-จ-0007

Approved by
Kanokkorn Anek
Senior Manager
ทะเบียนเลขที่ ว-204-ค-0004

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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: 2447651
Date Received : May 03, 2024
Date Reported : May 10, 2024
Report Number : 2987040-2

Sample Number	2447651-2
Sampled Date	May 03, 2024 11:52 AM
Sample Description	Wastewater
Location	Holding Pond
Date Analysis Commenced	May 04, 2024
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
Metals Testing							
Nickel	mg/L	0.0003	0.0005	0.35	≤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	0.006	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	0.52	≤5.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Water Testing							
Oil & Grease *	mg/L	-	3	5	≤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 : Chainusorn Lertnanthakunchai ทะเบียนเลขที่ ว-323-จ-9461 , Samart Khumphlee ทะเบียนเลขที่ ว-204-จ-0084

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

Technical Management
Sawitree Noisangiam
Manager
ทะเบียนเลขที่ ว-204-จ-0007

Approved by
Kanokkorn Anek
Senior Manager
ทะเบียนเลขที่ ว-204-ค-0004

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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: 2447651
Date Received : May 03, 2024
Date Reported : May 10, 2024
Report Number : 2987040-2

- 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 Noisangiam
Manager
ทะเบียนเลขที่ ว-204-จ-0007

Approved by

Kanokkorn Anek
Senior Manager
ทะเบียนเลขที่ ว-204-ค-0004

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

Lot ID: 2447651
Date Received : May 03, 2024
Date Reported : May 10, 2024
Report Number : 2987040-3

Sample Number	2447651-2
Sampled Date	May 03, 2024 11:52 AM
Sample Description	Wastewater
Location	Holding Pond
Date Analysis Commenced	May 04, 2024
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
Metals Testing							
[A] 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
[A] Iron	mg/L	0.003	0.005	0.41	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Microbiological Testing							
[A] Fecal Coliform	MPN/100mL	-	-	790.0	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B, E	Bangkok
[A] Total Coliform	MPN/100mL	-	-	1300.0	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B	Bangkok
Water Testing							
Ammonia Nitrogen *	mg/L	0.02	0.05	0.06	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-NH3 (F)	Rayong
Chloride as Cl *	mg/L	0.5	1	154	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	7.6	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	2.4	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

Narumon Banchongkit
Supervisor

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

Lot ID: 2447651
Date Received : May 03, 2024
Date Reported : May 10, 2024
Report Number : 2987040-3

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 : Chainusorn Lertnanthakunchai , 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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Approved by

Narumon Banchongkit
Supervisor

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

Lot ID: 2447651
Date Received : May 03, 2024
Date Reported : May 10, 2024
Report Number : 2987041-1

Sample Number	2447651-3
Sampled Date	May 03, 2024 11:50 AM
Sample Description	Wastewater
Location	Aeration Tank
Date Analysis Commenced	May 04, 2024
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
Water Testing						
Mixed Liqour Suspended Solids	mg/L	-	5	950	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	67	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2170 D	Rayong
SV30	mL/L	-	2	64	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 : Chainusorn Lertnanthakunchai , Samart Khumphlee

Remark :
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Approved by

Narumon Banchongkit
Supervisor

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

Lot ID: 2458352
Date Received : Jun 04, 2024
Date Reported : Jun 11, 2024
Report Number : 3020198-1

Sample Number	2458352-1
Sampled Date	Jun 04, 2024 11:50 AM
Sample Description	Wastewater
Location	Collecting Tank
Date Analysis Commenced	Jun 04, 2024
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
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	13.4	≤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	55	≤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	24	≤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	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5530 D	Rayong

Technical Management

Thanita Kulsuriwong
Scientist (4)
ทะเบียนเลขที่ ว-323-จ-9447

Approved by

Dej Changchon
Senior Manager
ทะเบียนเลขที่ ว-323-ค-9442

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

Lot ID: 2458352
Date Received : Jun 04, 2024
Date Reported : Jun 11, 2024
Report Number : 3020198-1

Sample Number	2458352-1
Sampled Date	Jun 04, 2024 11:50 AM
Sample Description	Wastewater
Location	Collecting Tank
Date Analysis Commenced	Jun 04, 2024
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
Water Testing							
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	-	-	34.2	≤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	752	≤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	15.3	≤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 : Sansoen Khuiyoksui ทะเบียนเลขที่ ว-323-จ-0005 , 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

Thanita Kulsuriwong
Scientist (4)
ทะเบียนเลขที่ ว-323-จ-9447

Approved by

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. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

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: 2458352
Date Received : Jun 04, 2024
Date Reported : Jun 11, 2024
Report Number : 3020198-2

Sample Number	2458352-1
Sampled Date	Jun 04, 2024 11:50 AM
Sample Description	Wastewater
Location	Collecting Tank
Date Analysis Commenced	Jun 05, 2024
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
Metals Testing							
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	0.20	≤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	0.08	≤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
Sawitree Noisangiam
Manager
ทะเบียนเลขที่ ว-204-จ-0007

Approved by
Kanokkorn Anek
Senior Manager
ทะเบียนเลขที่ ว-204-ค-0004

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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: 2458352
Date Received : Jun 04, 2024
Date Reported : Jun 11, 2024
Report Number : 3020198-2

Sample Number	2458352-1
Sampled Date	Jun 04, 2024 11:50 AM
Sample Description	Wastewater
Location	Collecting Tank
Date Analysis Commenced	Jun 05, 2024
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
Metals Testing							
Nickel	mg/L	0.0003	0.0005	0.36	≤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	0.37	≤5.00	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Water Testing							
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 : Sansoen Khuiyoksui ทะเบียนเลขที่ ว-323-จ-0005 , 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 Noisangiam
Manager
ทะเบียนเลขที่ ว-204-จ-0007

Approved by

Kanokkorn Anek
Senior Manager
ทะเบียนเลขที่ ว-204-ค-0004

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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: 2458352
Date Received : Jun 04, 2024
Date Reported : Jun 11, 2024
Report Number : 3020198-3

Sample Number	2458352-1
Sampled Date	Jun 04, 2024 11:50 AM
Sample Description	Wastewater
Location	Collecting Tank
Date Analysis Commenced	Jun 04, 2024
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
Metals Testing							
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
Iron	mg/L	0.003	0.005	0.85	≤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	0.004	≤1.00	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Microbiological Testing							
Fecal Coliform	MPN/100mL	-	-	330000.0	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	-	-	490000.0	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B	Bangkok
Water Testing							
Chloride as Cl *	mg/L	0.5	1	105	≤2000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Cl (D)	Rayong
Fluoride as F *	mg/L	0.06	0.2	2.0	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-F (D)	Rayong
Nitrate as N *	mg/L	0.015	0.05	2.48	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-NO3 (E)	Rayong

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Approved by

Sawitree Noisangiam
Manager

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: 2458352
Date Received : Jun 04, 2024
Date Reported : Jun 11, 2024
Report Number : 3020198-3

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

Sampling By : Sansoen Khuiyoksui , Pattarapol Sawangjaitam

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

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

Lot ID: 2458352
Date Received : Jun 04, 2024
Date Reported : Jun 11, 2024
Report Number : 3020199-1

Sample Number	2458352-2
Sampled Date	Jun 04, 2024 12:10 PM
Sample Description	Wastewater
Location	Holding Pond
Date Analysis Commenced	Jun 04, 2024
Condition of Sample	Contained in two BOD bottles, 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
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	2.2	≤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	18	≤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	<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
Dissolved Oxygen *	mg/L	-	0.1	7.6	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-O (C)	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		-	-	9.4	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Rayong

Technical Management

Thanita Kulsuriwong
Scientist (4)
ทะเบียนเลขที่ ว-323-จ-9447

Approved by

Dej Changchon
Senior Manager
ทะเบียนเลขที่ ว-323-ค-9442

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

Lot ID: 2458352
Date Received : Jun 04, 2024
Date Reported : Jun 11, 2024
Report Number : 3020199-1

Sample Number	2458352-2
Sampled Date	Jun 04, 2024 12:10 PM
Sample Description	Wastewater
Location	Holding Pond
Date Analysis Commenced	Jun 04, 2024
Condition of Sample	Contained in two BOD bottles, 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
Water Testing							
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
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	-	-	33.1	≤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	768	≤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	2.7	≤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	≤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 : Sansoen Khuiyoksui ทะเบียนเลขที่ ว-323-จ-0005 , Pattarapol Sawangjaitam ทะเบียนเลขที่ ว-204-จ-0002

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

Technical Management
Thanita Kulsuriwong
Scientist (4)
ทะเบียนเลขที่ ว-323-จ-9447

Approved by
Dej Changchon
Senior Manager
ทะเบียนเลขที่ ว-323-ค-9442

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

Lot ID: 2458352
Date Received : Jun 04, 2024
Date Reported : Jun 11, 2024
Report Number : 3020199-1

- 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

Thanita Kulsuriwong
Scientist (4)
ทะเบียนเลขที่ ว-323-จ-9447

Approved by

Dej Changchon
Senior Manager
ทะเบียนเลขที่ ว-323-ค-9442

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

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: 2458352
Date Received : Jun 04, 2024
Date Reported : Jun 11, 2024
Report Number : 3020199-2

Sample Number	2458352-2
Sampled Date	Jun 04, 2024 12:10 PM
Sample Description	Wastewater
Location	Holding Pond
Date Analysis Commenced	Jun 05, 2024
Condition of Sample	Contained in two BOD bottles, 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
Metals Testing							
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	0.006	≤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	<0.0005	≤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
Sawitree Noisangiam
Manager
ทะเบียนเลขที่ ว-204-จ-0007

Approved by
Kanokkorn Anek
Senior Manager
ทะเบียนเลขที่ ว-204-ค-0004

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

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: 2458352
Date Received : Jun 04, 2024
Date Reported : Jun 11, 2024
Report Number : 3020199-2

Sample Number	2458352-2
Sampled Date	Jun 04, 2024 12:10 PM
Sample Description	Wastewater
Location	Holding Pond
Date Analysis Commenced	Jun 05, 2024
Condition of Sample	Contained in two BOD bottles, 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
Metals Testing							
Nickel	mg/L	0.0003	0.0005	0.36	≤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	0.56	≤5.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Water Testing							
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 : Sansoen Khuiyoksui ทะเบียนเลขที่ ว-323-จ-0005 , Pattarapol Sawangjaitam ทะเบียนเลขที่ ว-204-จ-0002

Remark :
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Technical Management
Sawitree Noisangiam
Manager
ทะเบียนเลขที่ ว-204-จ-0007

Approved by
Kanokkorn Anek
Senior Manager
ทะเบียนเลขที่ ว-204-ค-0004

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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: 2458352
Date Received : Jun 04, 2024
Date Reported : Jun 11, 2024
Report Number : 3020199-3

Sample Number	2458352-2
Sampled Date	Jun 04, 2024 12:10 PM
Sample Description	Wastewater
Location	Holding Pond
Date Analysis Commenced	Jun 04, 2024
Condition of Sample	Contained in two BOD bottles, 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
Metals Testing							
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
Iron	mg/L	0.003	0.005	0.18	No Standard	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	0.0010	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Microbiological Testing							
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
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
Water Testing							
Chloride as Cl *	mg/L	0.5	1	143	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Cl (D)	Rayong
Fluoride as F *	mg/L	0.06	0.2	2.7	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-F (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 : Sansoen Khuiyoksui , Pattarapol Sawangjaitam

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Approved by
Sawitree Noisangiam
Manager

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: 2458352
Date Received : Jun 04, 2024
Date Reported : Jun 11, 2024
Report Number : 3020199-3

Remark :
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Approved by

Sawitree Noisangiam
Manager

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 (โรงานะปลวกแดง/ระยอง2)
Project Location : WWTP

Lot ID: 2458352
Date Received : Jun 04, 2024
Date Reported : Jun 11, 2024
Report Number : 3020200-1

Sample Number	2458352-3
Sampled Date	Jun 04, 2024 12:00 PM
Sample Description	Wastewater
Location	Aeration Tank
Date Analysis Commenced	Jun 05, 2024
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
Water Testing						
Mixed Liqour Suspended Solids	mg/L	-	5	1220	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	57	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2170 D	Rayong
SV30	mL/L	-	2	70	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 : Sansoen Khuiyoksui , Pattarapol Sawangjaitam

Remark :
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Approved by

ThanitaK.

Thanita Kulsuriwong
Scientist (4)

ภาคผนวก ค-03

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
P/O :
Project Name : โครงการสวนอุตสาหกรรมปลวกแดง (โรจนะปลวกแดง/ระยอง2)
Project Location: Factory

Lot ID: 23148073
Date Received : Jan 05, 2024
Date Reported : Jan 12, 2024
Report Number : 2874261-1

Sample Number	23148073-1
Sampled Date	Jan 05, 2024 11:10 AM
Sample Description	Wastewater
Location	บริษัท กัลฟ์ พีดี จำกัด : GULF PD COMPANY LIMITED.
Date Analysis Commenced	Jan 05, 2024
Condition of Sample	Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	<2.0	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O 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	160	≤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 : Narunat thammasaro ทะเบียนเลขที่ ว-323-จ-9477 , Panupong Manit ทะเบียนเลขที่ ว-204-จ-8600

Remark :
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Technical Management

Narumon Banchongkit
Supervisor
ทะเบียนเลขที่ ว-323-จ-9445

Approved by

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: 23148073
Date Received : Jan 05, 2024
Date Reported : Jan 10, 2024
Report Number : 2874261-2

Sample Number	23148073-1
Sampled Date	Jan 05, 2024 11:10 AM
Sample Description	Wastewater
Location	บริษัท กัลฟ์ พีดี จำกัด : GULF PD COMPANY LIMITED.
Date Analysis Commenced	Jan 06, 2024
Condition of Sample	Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
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 : Narunat thammasaro ทะเบียนเลขที ว-323-จ-9477 , Panupong Manit ทะเบียนเลขที ว-204-จ-8600

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

Technical Management

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

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
P/O :
Project Name : โครงการสวนอุตสาหกรรมปลวกแดง (โรจนะปลวกแดง/ระยอง2)
Project Location : Factory

Lot ID: 23148076
Date Received : Jan 05, 2024
Date Reported : Jan 12, 2024
Report Number : 2874264-1

Sample Number	23148076-1
Sampled Date	Jan 05, 2024 1:55 PM
Sample Description	Wastewater
Location	บริษัท วีอีเอ็ม (ไทยแลนด์) จำกัด : VEM (THAILAND) CO., LTD.
Date Analysis Commenced	Jan 05, 2024
Condition of Sample	Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	66.7	≤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	231	≤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	548	≤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	178	≤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	97	≤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 : Narunat thammasaro ทะเบียนเลขที่ ว-323-จ-9477 , Panupong Manit ทะเบียนเลขที่ ว-204-จ-8600

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

Narumon Banchongkit
Supervisor
ทะเบียนเลขที่ ว-323-จ-9445

Approved by

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: 23148076
Date Received : Jan 05, 2024
Date Reported : Jan 10, 2024
Report Number : 2874264-2

Sample Number	23148076-1
Sampled Date	Jan 05, 2024 1:55 PM
Sample Description	Wastewater
Location	บริษัท วีอีเอ็ม (ไทยแลนด์) จำกัด : VEM (THAILAND) CO., LTD.
Date Analysis Commenced	Jan 06, 2024
Condition of Sample	Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
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 : Narunat thammasaro ทะเบียนเลขที ว-323-จ-9477 , Panupong Manit ทะเบียนเลขที ว-204-จ-8600

Remark :
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Technical Management

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

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
P/O :
Project Name : โครงการสวนอุตสาหกรรมปลวกแดง (โรจนะปลวกแดง/ระยอง2)
Project Location: Factory

Lot ID: 23148077
Date Received : Jan 05, 2024
Date Reported : Jan 12, 2024
Report Number : 2874309-1

Sample Number	23148077-1
Sampled Date	Jan 05, 2024 10:40 AM
Sample Description	Wastewater
Location	บริษัท เซล อินดัสทรี (ไทยแลนด์) จำกัด : SAIL INDUSTRY (THAILAND) CO.,LTD.
Date Analysis Commenced	Jan 05, 2024
Condition of Sample	Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	21.8	≤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	92	≤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	508	≤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	42.2	≤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	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 : Narunat thammasaro ทะเบียนเลขที ว-323-จ-9477 , Panupong Manit ทะเบียนเลขที ว-204-จ-8600

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

Narumon Banchongkit
Supervisor
ทะเบียนเลขที่ ว-323-จ-9445

Approved by

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: 23148077
Date Received : Jan 05, 2024
Date Reported : Jan 10, 2024
Report Number : 2874309-2

Sample Number	23148077-1
Sampled Date	Jan 05, 2024 10:40 AM
Sample Description	Wastewater
Location	บริษัท เซล อินดัสทรี (ไทยแลนด์) จำกัด : SAIL INDUSTRY (THAILAND) CO.,LTD.
Date Analysis Commenced	Jan 06, 2024
Condition of Sample	Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
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 : Narunat thammasaro ทะเบียนเลขที ว-323-จ-9477 , Panupong Manit ทะเบียนเลขที ว-204-จ-8600

Remark :
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Technical Management

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

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
P/O :
Project Name : โครงการสวนอุตสาหกรรมปลวกแดง (โรจนะปลวกแดง/ระยอง2)
Project Location: Factory

Lot ID: 23148078
Date Received : Jan 05, 2024
Date Reported : Jan 12, 2024
Report Number : 2874310-1

Sample Number	23148078-1
Sampled Date	Jan 05, 2024 9:30 AM
Sample Description	Wastewater
Location	บริษัท กีลอง (ประเทศไทย) จำกัด (จุดที่ 1) : GEELONG (THAILAND) CO.,LTD.
Date Analysis Commenced	Jan 05, 2024
Condition of Sample	Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	61.8	≤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	235	≤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	620	≤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	79.1	≤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	55	≤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 : Narunat thammasaro ทะเบียนเลขที่ ว-323-จ-9477 , Panupong Manit ทะเบียนเลขที่ ว-204-จ-8600

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

Narumon Banchongkit
Supervisor
ทะเบียนเลขที่ ว-323-จ-9445

Approved by

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: 23148078
Date Received : Jan 05, 2024
Date Reported : Jan 10, 2024
Report Number : 2874310-2

Sample Number	23148078-1
Sampled Date	Jan 05, 2024 9:30 AM
Sample Description	Wastewater
Location	บริษัท กีลอง (ประเทศไทย) จำกัด (จุดที่ 1) : GEELONG (THAILAND) CO.,LTD.
Date Analysis Commenced	Jan 06, 2024
Condition of Sample	Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Oil & Grease	mg/L	-	3	26	≤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 : Narunat thammasaro ทะเบียนเลขที ว-323-จ-9477 , Panupong Manit ทะเบียนเลขที ว-204-จ-8600

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

Technical Management

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

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
P/O :
Project Name : โครงการสวนอุตสาหกรรมปลวกแดง (โรจนะปลวกแดง/ระยอง2)
Project Location: Factory

Lot ID: 23148079
Date Received : Jan 05, 2024
Date Reported : Jan 12, 2024
Report Number : 2874312-1

Sample Number	23148079-1
Sampled Date	Jan 05, 2024 9:45 AM
Sample Description	Wastewater
Location	บริษัท กีลอง (ประเทศไทย) จำกัด (จุดที่ 2) : GEELONG (THAILAND) CO.,LTD.
Date Analysis Commenced	Jan 05, 2024
Condition of Sample	Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	36.0	≤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	108	≤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	512	≤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	86.2	≤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	10	≤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 : Narunat thammasaro ทะเบียนเลขที ว-323-จ-9477 , Panupong Manit ทะเบียนเลขที ว-204-จ-8600

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

Narumon Banchongkit
Supervisor
ทะเบียนเลขที่ ว-323-จ-9445

Approved by

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: 23148079
Date Received : Jan 05, 2024
Date Reported : Jan 10, 2024
Report Number : 2874312-2

Sample Number	23148079-1
Sampled Date	Jan 05, 2024 9:45 AM
Sample Description	Wastewater
Location	บริษัท กีลอง (ประเทศไทย) จำกัด (จุดที่ 2) : GEELONG (THAILAND) CO.,LTD.
Date Analysis Commenced	Jan 06, 2024
Condition of Sample	Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
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 : Narunat thammasaro ทะเบียนเลขที ว-323-จ-9477 , Panupong Manit ทะเบียนเลขที ว-204-จ-8600

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

Technical Management

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

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
P/O :
Project Name : โครงการสวนอุตสาหกรรมปลวกแดง (โรจนะปลวกแดง/ระยอง2)
Project Location: Factory

Lot ID: 23148080
Date Received : Jan 05, 2024
Date Reported : Jan 12, 2024
Report Number : 2874314-1

Sample Number	23148080-1
Sampled Date	Jan 05, 2024 10:25 AM
Sample Description	Wastewater
Location	บริษัท ซีลแมกซ์ ซีลลิ่ง โซลูชั่น จำกัด : SILMAX SEALING SOLUTION CO.,LTD.
Date Analysis Commenced	Jan 05, 2024
Condition of Sample	Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	76.6	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	198	≤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	552	≤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	122	≤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	43	≤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 : Narunat thammasaro ทะเบียนเลขที่ ว-323-จ-9477 , 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.

Technical Management

Narumon Banchongkit
Supervisor
ทะเบียนเลขที่ ว-323-จ-9445

Approved by

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: 23148080
Date Received : Jan 05, 2024
Date Reported : Jan 10, 2024
Report Number : 2874314-2

Sample Number	23148080-1
Sampled Date	Jan 05, 2024 10:25 AM
Sample Description	Wastewater
Location	บริษัท ซีลแมกซ์ ซีลลิ่ง โซลูชั่น จำกัด : SILMAX SEALING SOLUTION CO.,LTD.
Date Analysis Commenced	Jan 06, 2024
Condition of Sample	Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
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 : Narunat thammasaro ทะเบียนเลขที ว-323-จ-9477 , Panupong Manit ทะเบียนเลขที ว-204-จ-8600

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

Technical Management

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

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
P/O :
Project Name : โครงการสวนอุตสาหกรรมปลวกแดง (โรจนะปลวกแดง/ระยอง2)
Project Location : Factory

Lot ID: 23148081
Date Received : Jan 05, 2024
Date Reported : Jan 12, 2024
Report Number : 2874315-1

Sample Number	23148081-1
Sampled Date	Jan 05, 2024 10:15 AM
Sample Description	Wastewater
Location	บริษัท เทียนกุง พรีซิชั่น ทูลส์ (ประเทศไทย) จำกัด : TIANGONG PRECISION TOOLS (THAILAND) CO.,LTD.
Date Analysis Commenced	Jan 05, 2024
Condition of Sample	Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	86.7	≤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	214	≤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	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	33.1	≤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	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) No.2/2559 and No.1/2560, Criteria of wastewater drainage from the factory to central wastewater treatment plant.
Sampling By : Narunat thammasaro ทะเบียนเลขที ว-323-จ-9477 , Panupong Manit ทะเบียนเลขที ว-204-จ-8600

Remark :
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Technical Management
Narumon Banchongkit
Supervisor
ทะเบียนเลขที ว-323-จ-9445

Approved by
Dej Changchon
Senior Manager
ทะเบียนเลขที 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: 23148081
Date Received : Jan 05, 2024
Date Reported : Jan 10, 2024
Report Number : 2874315-2

Sample Number	23148081-1
Sampled Date	Jan 05, 2024 10:15 AM
Sample Description	Wastewater
Location	บริษัท เทียนกุง พรีซิชั่น ทูลส์ (ประเทศไทย) จำกัด : TIANGONG PRECISION TOOLS (THAILAND) CO.,LTD.
Date Analysis Commenced	Jan 06, 2024
Condition of Sample	Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
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) No.2/2559 and No.1/2560, Criteria of wastewater drainage from the factory to central wastewater treatment plant.
Sampling By : Narunat thammasaro ทะเบียนเลขที ว-323-จ-9477 , Panupong Manit ทะเบียนเลขที ว-204-จ-8600

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

Technical Management

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

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: 23148082
Date Received : Jan 05, 2024
Date Reported : Jan 12, 2024
Report Number : 2874316-1

Sample Number	23148082-1
Sampled Date	Jan 05, 2024 10:50 AM
Sample Description	Wastewater
Location	บริษัท วีอีเอ็ม (ไทยแลนด์) จำกัด โรงงาน 1 : VEM (THAILAND) CO., LTD.
Date Analysis Commenced	Jan 05, 2024
Condition of Sample	Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	11.6	≤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	36	≤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	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	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	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 : Narunat thammasaro ทะเบียนเลขที ว-323-จ-9477 , Panupong Manit ทะเบียนเลขที ว-204-จ-8600

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

Narumon Banchongkit
Supervisor
ทะเบียนเลขที่ ว-323-จ-9445

Approved by

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: 23148082
Date Received : Jan 05, 2024
Date Reported : Jan 10, 2024
Report Number : 2874316-2

Sample Number	23148082-1
Sampled Date	Jan 05, 2024 10:50 AM
Sample Description	Wastewater
Location	บริษัท วีอีเอ็ม (ไทยแลนด์) จำกัด โรงงาน 1 : VEM (THAILAND) CO., LTD.
Date Analysis Commenced	Jan 06, 2024
Condition of Sample	Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
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 : Narunat thammasaro ทะเบียนเลขที ว-323-จ-9477 , Panupong Manit ทะเบียนเลขที ว-204-จ-8600

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

Technical Management

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

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
P/O :
Project Name : โครงการสวนอุตสาหกรรมปลวกแดง (โรจนะปลวกแดง/ระยอง2)
Project Location: Factory

Lot ID: 23148083
Date Received : Jan 05, 2024
Date Reported : Jan 12, 2024
Report Number : 2874318-1

Sample Number	23148083-1
Sampled Date	Jan 05, 2024 2:00 PM
Sample Description	Wastewater
Location	บริษัท วีอีเอ็ม (ไทยแลนด์) จำกัด โรงงาน 2 : VEM (THAILAND) CO., LTD.
Date Analysis Commenced	Jan 05, 2024
Condition of Sample	Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	85.5	≤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	295	≤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	488	≤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	146	≤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	144	≤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 : Narunat thammasaro ทะเบียนเลขที่ ว-323-จ-9477 , Panupong Manit ทะเบียนเลขที่ ว-204-จ-8600

Remark :
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Technical Management

Narumon Banchongkit
Supervisor
ทะเบียนเลขที่ ว-323-จ-9445

Approved by

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: 23148083
Date Received : Jan 05, 2024
Date Reported : Jan 10, 2024
Report Number : 2874318-2

Sample Number	23148083-1
Sampled Date	Jan 05, 2024 2:00 PM
Sample Description	Wastewater
Location	บริษัท วีอีเอ็ม (ไทยแลนด์) จำกัด โรงงาน 2 : VEM (THAILAND) CO., LTD.
Date Analysis Commenced	Jan 06, 2024
Condition of Sample	Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Oil & Grease	mg/L	-	3	18	≤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 : Narunat thammasaro ทะเบียนเลขที ว-323-จ-9477 , Panupong Manit ทะเบียนเลขที ว-204-จ-8600

Remark :
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Technical Management

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

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
P/O :
Project Name : โครงการสวนอุตสาหกรรมปลวกแดง (โรจนะปลวกแดง/ระยอง2)
Project Location: Factory

Lot ID: 23148084
Date Received : Jan 05, 2024
Date Reported : Jan 12, 2024
Report Number : 2874319-1

Sample Number	23148084-1
Sampled Date	Jan 05, 2024 1:40 PM
Sample Description	Wastewater
Location	ฮามาตั้น (ประเทศไทย) จำกัด
Date Analysis Commenced	Jan 05, 2024
Condition of Sample	Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	61.3	≤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	108	≤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	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	73.9	≤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	18	≤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 : Narunat thammasaro ทะเบียนเลขที่ ว-323-จ-9477 , Panupong Manit ทะเบียนเลขที่ ว-204-จ-8600

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

Narumon Banchongkit
Supervisor
ทะเบียนเลขที่ ว-323-จ-9445

Approved by

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: 23148084
Date Received : Jan 05, 2024
Date Reported : Jan 10, 2024
Report Number : 2874319-2

Sample Number	23148084-1
Sampled Date	Jan 05, 2024 1:40 PM
Sample Description	Wastewater
Location	ฮามาตั้น (ประเทศไทย) จำกัด
Date Analysis Commenced	Jan 06, 2024
Condition of Sample	Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
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 : Narunat thammasaro ทะเบียนเลขที ว-323-จ-9477 , Panupong Manit ทะเบียนเลขที ว-204-จ-8600

Remark :
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Technical Management

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

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
P/O :
Project Name : โครงการสวนอุตสาหกรรมปลวกแดง (โรจนะปลวกแดง/ระยอง2)
Project Location: Factory

Lot ID: 2410751
Date Received : Feb 02, 2024
Date Reported : Feb 09, 2024
Report Number : 2896459-1

Sample Number	2410751-1
Sampled Date	Feb 02, 2024 11:38 AM
Sample Description	Wastewater
Location	บริษัท กัลฟ์ พีดี จำกัด : GULF PD COMPANY LIMITED.
Date Analysis Commenced	Feb 02, 2024
Condition of Sample	Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	<2.0	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O 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		-	-	7.7	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	108	≤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 : Chainusorn Lertnanthakunchai ทะเบียนเลขที่ ว-323-จ-9461 , 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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Technical Management

Narumon Banchongkit
Supervisor
ทะเบียนเลขที่ ว-323-จ-9445

Approved by

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: 2410751
Date Received : Feb 02, 2024
Date Reported : Feb 09, 2024
Report Number : 2896459-2

Sample Number	2410751-1
Sampled Date	Feb 02, 2024 11:38 AM
Sample Description	Wastewater
Location	บริษัท กัลฟ์ พีดี จำกัด : GULF PD COMPANY LIMITED.
Date Analysis Commenced	Feb 03, 2024
Condition of Sample	Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
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 : Chainusorn Lertnanthakunchai ทะเบียนเลขที ว-323-จ-9461 , Pattarapol Sawangjaitam ทะเบียนเลขที ว-204-จ-0002

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Technical Management

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

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
P/O :
Project Name : โครงการสวนอุตสาหกรรมปลวกแดง (โรจนะปลวกแดง/ระยอง2)
Project Location : Factory

Lot ID: 2410752
Date Received : Feb 02, 2024
Date Reported : Feb 09, 2024
Report Number : 2896466-1

Sample Number	2410752-1
Sampled Date	Feb 02, 2024 9:34 AM
Sample Description	Wastewater
Location	บริษัท วีอีเอ็ม (ไทยแลนด์) จำกัด : VEM (THAILAND) CO., LTD.
Date Analysis Commenced	Feb 02, 2024
Condition of Sample	Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	71.8	≤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	198	≤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	516	≤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	59.2	≤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	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 : Chainusorn Lertnanthakunchai ทะเบียนเลขที่ ว-323-จ-9461 , Pattarapol Sawangjaitam ทะเบียนเลขที่ ว-204-จ-0002

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Technical Management

Narumon Banchongkit
Supervisor
ทะเบียนเลขที่ ว-323-จ-9445

Approved by

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: 2410752
Date Received : Feb 02, 2024
Date Reported : Feb 09, 2024
Report Number : 2896466-2

Sample Number	2410752-1
Sampled Date	Feb 02, 2024 9:34 AM
Sample Description	Wastewater
Location	บริษัท วีอีเอ็ม (ไทยแลนด์) จำกัด : VEM (THAILAND) CO., LTD.
Date Analysis Commenced	Feb 03, 2024
Condition of Sample	Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
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 : Chainusorn Lertnanthakunchai ทะเบียนเลขที ว-323-จ-9461 , Pattarapol Sawangjaitam ทะเบียนเลขที ว-204-จ-0002

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Technical Management

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

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
P/O :
Project Name : โครงการสวนอุตสาหกรรมปลวกแดง (โรจนะปลวกแดง/ระยอง2)
Project Location: Factory

Lot ID: 2410753
Date Received : Feb 02, 2024
Date Reported : Feb 09, 2024
Report Number : 2896467-1

Sample Number	2410753-1
Sampled Date	Feb 02, 2024 10:34 AM
Sample Description	Wastewater
Location	บริษัท เซล อินดัสทรี (ไทยแลนด์) จำกัด : SAIL INDUSTRY (THAILAND) CO.,LTD.
Date Analysis Commenced	Feb 02, 2024
Condition of Sample	Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	13.6	≤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	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		-	-	7.6	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	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	23.0	≤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 : Chainusorn Lertnanthakunchai ทะเบียนเลขที่ ว-323-จ-9461 , Pattarapol Sawangjaitam ทะเบียนเลขที่ ว-204-จ-0002

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Technical Management

Narumon Banchongkit
Supervisor
ทะเบียนเลขที่ ว-323-จ-9445

Approved by

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: 2410753
Date Received : Feb 02, 2024
Date Reported : Feb 09, 2024
Report Number : 2896467-2

Sample Number	2410753-1
Sampled Date	Feb 02, 2024 10:34 AM
Sample Description	Wastewater
Location	บริษัท เซล อินดัสทรี (ไทยแลนด์) จำกัด : SAIL INDUSTRY (THAILAND) CO.,LTD.
Date Analysis Commenced	Feb 03, 2024
Condition of Sample	Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
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 : Chainusorn Lertnanthakunchai ทะเบียนเลขที ว-323-จ-9461 , Pattarapol Sawangjaitam ทะเบียนเลขที ว-204-จ-0002

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Technical Management

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

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
P/O :
Project Name : โครงการสวนอุตสาหกรรมปลวกแดง (โรจนะปลวกแดง/ระยอง2)
Project Location : Factory

Lot ID: 2410754
Date Received : Feb 02, 2024
Date Reported : Feb 09, 2024
Report Number : 2896472-1

Sample Number	2410754-1
Sampled Date	Feb 02, 2024 9:54 AM
Sample Description	Wastewater
Location	บริษัท กีลอง (ประเทศไทย) จำกัด (จุดที่ 1) : GEELONG (THAILAND) CO.,LTD.
Date Analysis Commenced	Feb 02, 2024
Condition of Sample	Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	23.9	≤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	72	≤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	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	10.0	≤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	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 : Chainusorn Lertnanthakunchai ทะเบียนเลขที่ ว-323-จ-9461 , Pattarapol Sawangjaitam ทะเบียนเลขที่ ว-204-จ-0002

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Technical Management

Narumon Banchongkit
Supervisor
ทะเบียนเลขที่ ว-323-จ-9445

Approved by

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: 2410754
Date Received : Feb 02, 2024
Date Reported : Feb 09, 2024
Report Number : 2896472-2

Sample Number	2410754-1
Sampled Date	Feb 02, 2024 9:54 AM
Sample Description	Wastewater
Location	บริษัท กีลอง (ประเทศไทย) จำกัด (จุดที่ 1) : GEELONG (THAILAND) CO.,LTD.
Date Analysis Commenced	Feb 03, 2024
Condition of Sample	Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Oil & Grease	mg/L	-	3	17	≤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 : Chainusorn Lertnanthakunchai ทะเบียนเลขที ว-323-จ-9461 , Pattarapol Sawangjaitam ทะเบียนเลขที ว-204-จ-0002

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Technical Management

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

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
P/O :
Project Name : โครงการสวนอุตสาหกรรมปลวกแดง (โรจนะปลวกแดง/ระยอง2)
Project Location : Factory

Lot ID: 2410755
Date Received : Feb 02, 2024
Date Reported : Feb 09, 2024
Report Number : 2896473-1

Sample Number	2410755-1
Sampled Date	Feb 02, 2024 9:41 AM
Sample Description	Wastewater
Location	บริษัท กีลอง (ประเทศไทย) จำกัด (จุดที่ 2) : GEELONG (THAILAND) CO.,LTD.
Date Analysis Commenced	Feb 02, 2024
Condition of Sample	Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	46.7	≤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	177	≤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	508	≤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	113	≤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 : Chainusorn Lertnanthakunchai ทะเบียนเลขที่ ว-323-จ-9461 , Pattarapol Sawangjaitam ทะเบียนเลขที่ ว-204-จ-0002

Remark :
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Technical Management

Narumon Banchongkit
Supervisor
ทะเบียนเลขที่ ว-323-จ-9445

Approved by

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: 2410755
Date Received : Feb 02, 2024
Date Reported : Feb 09, 2024
Report Number : 2896473-2

Sample Number	2410755-1
Sampled Date	Feb 02, 2024 9:41 AM
Sample Description	Wastewater
Location	บริษัท กีลอง (ประเทศไทย) จำกัด (จุดที่ 2) : GEELONG (THAILAND) CO.,LTD.
Date Analysis Commenced	Feb 03, 2024
Condition of Sample	Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
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 : Chainusorn Lertnanthakunchai ทะเบียนเลขที ว-323-จ-9461 , Pattarapol Sawangjaitam ทะเบียนเลขที ว-204-จ-0002

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

Technical Management

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

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
P/O :
Project Name : โครงการสวนอุตสาหกรรมปลวกแดง (โรจนะปลวกแดง/ระยอง2)
Project Location: Factory

Lot ID: 2410756
Date Received : Feb 02, 2024
Date Reported : Feb 08, 2024
Report Number : 2896474-1

Sample Number	2410756-1
Sampled Date	Feb 02, 2024 10:22 AM
Sample Description	Wastewater
Location	บริษัท ซีลแมกซ์ ซีลลิ่ง โซลูชั่น จำกัด : SILMAX SEALING SOLUTION CO.,LTD.
Date Analysis Commenced	Feb 02, 2024
Condition of Sample	Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	82.3	≤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	253	≤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	544	≤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	83.6	≤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	46	≤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 : Chainusorn Lertnanthakunchai ทะเบียนเลขที่ ว-323-จ-9461

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

Narumon Banchongkit
Supervisor
ทะเบียนเลขที่ ว-323-จ-9445

Approved by

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: 2410756
Date Received : Feb 02, 2024
Date Reported : Feb 09, 2024
Report Number : 2896474-2

Sample Number	2410756-1
Sampled Date	Feb 02, 2024 10:22 AM
Sample Description	Wastewater
Location	บริษัท ซีลแมกซ์ ซีลลิ่ง โซลูชั่น จำกัด : SILMAX SEALING SOLUTION CO.,LTD.
Date Analysis Commenced	Feb 03, 2024
Condition of Sample	Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
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 : Chainusorn Lertnanthakunchai ทะเบียนเลขที ว-323-จ-9461 , Pattarapol Sawangjaitam ทะเบียนเลขที ว-204-จ-0002

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

Technical Management

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

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
P/O :
Project Name : โครงการสวนอุตสาหกรรมปลวกแดง (โรจนะปลวกแดง/ระยอง2)
Project Location: Factory

Lot ID: 2410757
Date Received : Feb 02, 2024
Date Reported : Feb 08, 2024
Report Number : 2896482-1

Sample Number	2410757-1
Sampled Date	Feb 02, 2024 10:15 AM
Sample Description	Wastewater
Location	บริษัท เทียนกุง พรีซิชั่น ทูลส์ (ประเทศไทย) จำกัด : TIANGONG PRECISION TOOLS (THAILAND) CO.,LTD.
Date Analysis Commenced	Feb 02, 2024
Condition of Sample	Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	69.7	≤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	219	≤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	372	≤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	41.8	≤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	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 : Chainusorn Lertnanthakunchai ทะเบียนเลขที่ ว-323-จ-9461

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

Narumon Banchongkit
Supervisor
ทะเบียนเลขที่ ว-323-จ-9445

Approved by

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: 2410757
Date Received : Feb 02, 2024
Date Reported : Feb 09, 2024
Report Number : 2896482-2

Sample Number	2410757-1
Sampled Date	Feb 02, 2024 10:15 AM
Sample Description	Wastewater
Location	บริษัท เทียนกุง พรีซิชั่น ทูลส์ (ประเทศไทย) จำกัด : TIANGONG PRECISION TOOLS (THAILAND) CO.,LTD.
Date Analysis Commenced	Feb 03, 2024
Condition of Sample	Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
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 : Chainusorn Lertnanthakunchai ทะเบียนเลขที ว-323-จ-9461 , Pattarapol Sawangjaitam ทะเบียนเลขที ว-204-จ-0002

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

Technical Management

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

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
P/O :
Project Name : โครงการสวนอุตสาหกรรมปลวกแดง (โรจนะปลวกแดง/ระยอง2)
Project Location: Factory

Lot ID: 2410758
Date Received : Feb 02, 2024
Date Reported : Feb 08, 2024
Report Number : 2896483-1

Sample Number	2410758-1
Sampled Date	Feb 02, 2024 9:41 AM
Sample Description	Wastewater
Location	บริษัท วีอีเอ็ม (ไทยแลนด์) จำกัด โรงงาน 1 : VEM (THAILAND) CO., LTD.
Date Analysis Commenced	Feb 02, 2024
Condition of Sample	Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	22.5	≤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	71	≤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	332	≤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	29.2	≤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	22	≤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 : Chainusorn Lertnanthakunchai ทะเบียนเลขที่ ว-323-จ-9461

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

Narumon Banchongkit
Supervisor
ทะเบียนเลขที่ ว-323-จ-9445

Approved by

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: 2410758
Date Received : Feb 02, 2024
Date Reported : Feb 09, 2024
Report Number : 2896483-2

Sample Number	2410758-1
Sampled Date	Feb 02, 2024 9:41 AM
Sample Description	Wastewater
Location	บริษัท วีอีเอ็ม (ไทยแลนด์) จำกัด โรงงาน 1 : VEM (THAILAND) CO., LTD.
Date Analysis Commenced	Feb 03, 2024
Condition of Sample	Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
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 : Chainusorn Lertnanthakunchai ทะเบียนเลขที ว-323-จ-9461 , Pattarapol Sawangjaitam ทะเบียนเลขที ว-204-จ-0002

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

Technical Management

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

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
P/O :
Project Name : โครงการสวนอุตสาหกรรมปลวกแดง (โรจนะปลวกแดง/ระยอง2)
Project Location: Factory

Lot ID: 2410759
Date Received : Feb 02, 2024
Date Reported : Feb 08, 2024
Report Number : 2896485-1

Sample Number	2410759-1
Sampled Date	Feb 02, 2024 10:55 AM
Sample Description	Wastewater
Location	บริษัท วีอีเอ็ม (ไทยแลนด์) จำกัด โรงงาน 2 : VEM (THAILAND) CO., LTD.
Date Analysis Commenced	Feb 02, 2024
Condition of Sample	Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	<2.0	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O 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		-	-	7.3	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	292	≤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	13.8	≤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	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 : Chainusorn Lertnanthakunchai ทะเบียนเลขที่ ว-323-จ-9461

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

Narumon Banchongkit
Supervisor
ทะเบียนเลขที่ ว-323-จ-9445

Approved by

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: 2410759
Date Received : Feb 02, 2024
Date Reported : Feb 09, 2024
Report Number : 2896485-2

Sample Number	2410759-1
Sampled Date	Feb 02, 2024 10:55 AM
Sample Description	Wastewater
Location	บริษัท วีอีเอ็ม (ไทยแลนด์) จำกัด โรงงาน 2 : VEM (THAILAND) CO., LTD.
Date Analysis Commenced	Feb 03, 2024
Condition of Sample	Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
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 : Chainusorn Lertnanthakunchai ทะเบียนเลขที ว-323-จ-9461 , Pattarapol Sawangjaitam ทะเบียนเลขที ว-204-จ-0002

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

Technical Management

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

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
P/O :
Project Name : โครงการสวนอุตสาหกรรมปลวกแดง (โรจนะปลวกแดง/ระยอง2)
Project Location: Factory

Lot ID: 2410760
Date Received : Feb 02, 2024
Date Reported : Feb 08, 2024
Report Number : 2896487-1

Sample Number	2410760-1
Sampled Date	Feb 02, 2024 10:46 AM
Sample Description	Wastewater
Location	ฮามาตั้น (ประเทศไทย) จำกัด
Date Analysis Commenced	Feb 02, 2024
Condition of Sample	Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	18.1	≤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		-	-	7.6	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	188	≤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	47.5	≤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	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 : Chainusorn Lertnanthakunchai ทะเบียนเลขที่ ว-323-จ-9461

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

Narumon Banchongkit
Supervisor
ทะเบียนเลขที่ ว-323-จ-9445

Approved by

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: 2410760
Date Received : Feb 02, 2024
Date Reported : Feb 09, 2024
Report Number : 2896487-2

Sample Number	2410760-1
Sampled Date	Feb 02, 2024 10:46 AM
Sample Description	Wastewater
Location	ฮามาตั้น (ประเทศไทย) จำกัด
Date Analysis Commenced	Feb 03, 2024
Condition of Sample	Contained in one amber glass bottle and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
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 : Chainusorn Lertnanthakunchai ทะเบียนเลขที ว-323-จ-9461 , Pattarapol Sawangjaitam ทะเบียนเลขที ว-204-จ-0002

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

Technical Management

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

Approved by

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.0042

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: 2423492
Date Received : Mar 01, 2024
Date Reported : Mar 07, 2024
Report Number : 2922187-1

Sample Number	2423492-1
Sampled Date	Mar 01, 2024 10:56 AM
Sample Description	Wastewater
Location	บริษัท กัลฟ์ พีดี จำกัด : GULF PD COMPANY LIMITED.
Date Analysis Commenced	Mar 01, 2024
Condition of Sample	Contained in one amber glass bottle and three plastic bottles. Sample containers comply to pretreatment - preservation standards (APHA / USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	<2.0	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O 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		-	-	7.9	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	164	≤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 : Chainusorn Lertnanthakunchai ทะเบียนเลขที่ ว-323-จ-9461 , Pattarapol Sawangjaitam ทะเบียนเลขที่ ว-204-จ-0002

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Technical Management

Narumon Banchongkit
Supervisor
ทะเบียนเลขที่ ว-323-จ-9445

Approved by

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: 2423492
Date Received : Mar 01, 2024
Date Reported : Mar 08, 2024
Report Number : 2922187-2

Sample Number	2423492-1
Sampled Date	Mar 01, 2024 10:56 AM
Sample Description	Wastewater
Location	บริษัท กัลฟ์ พีดี จำกัด : GULF PD COMPANY LIMITED.
Date Analysis Commenced	Mar 02, 2024
Condition of Sample	Contained in one amber glass bottle and three plastic bottles. Sample containers comply to pretreatment - preservation standards (APHA / USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
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 : Chainusorn Lertnanthakunchai ทะเบียนเลขที ว-323-จ-9461 , Pattarapol Sawangjaitam ทะเบียนเลขที ว-204-จ-0002

Remark :
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Technical Management

Siriluk Bunnak
Section Head
ทะเบียนเลขที่ ว-204-จ-0013

Approved by

Kanokkorn Anek
Senior Manager
ทะเบียนเลขที่ ว-204-ค-0004

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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
P/O :
Project Name : โครงการสวนอุตสาหกรรมปลวกแดง (โรจนะปลวกแดง/ระยอง2)
Project Location: Factory

Lot ID: 2423493
Date Received : Mar 01, 2024
Date Reported : Mar 07, 2024
Report Number : 2922190-1

Sample Number	2423493-1
Sampled Date	Mar 01, 2024 10:25 AM
Sample Description	Wastewater
Location	บริษัท วีอีเอ็ม (ไทยแลนด์) จำกัด โรงงาน 1 จุดที่ 1 : VEM (THAILAND) CO., LTD.
Date Analysis Commenced	Mar 01, 2024
Condition of Sample	Contained in one amber glass bottle and three plastic bottles. Sample containers comply to pretreatment - preservation standards (APHA / USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	24.9	≤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	76	≤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	392	≤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	28.7	≤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	18	≤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 : Chainusorn Lertnanthakunchai ทะเบียนเลขที่ ว-323-จ-9461 , 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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Technical Management

Narumon Banchongkit
Supervisor
ทะเบียนเลขที่ ว-323-จ-9445

Approved by

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: 2423493
Date Received : Mar 01, 2024
Date Reported : Mar 08, 2024
Report Number : 2922190-2

Sample Number	2423493-1
Sampled Date	Mar 01, 2024 10:25 AM
Sample Description	Wastewater
Location	บริษัท วีอีเอ็ม (ไทยแลนด์) จำกัด โรงงาน 1 จุดที่ 1 : VEM (THAILAND) CO., LTD.
Date Analysis Commenced	Mar 02, 2024
Condition of Sample	Contained in one amber glass bottle and three plastic bottles. Sample containers comply to pretreatment - preservation standards (APHA / USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
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 : Chainusorn Lertnanthakunchai ทะเบียนเลขที ว-323-จ-9461 , Pattarapol Sawangjaitam ทะเบียนเลขที ว-204-จ-0002

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Technical Management

Siriluk Bunnak
Section Head
ทะเบียนเลขที่ ว-204-จ-0013

Approved by

Kanokkorn Anek
Senior Manager
ทะเบียนเลขที่ ว-204-ค-0004

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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
P/O :
Project Name : โครงการสวนอุตสาหกรรมปลวกแดง (โรจนะปลวกแดง/ระยอง2)
Project Location: Factory

Lot ID: 2423494
Date Received : Mar 01, 2024
Date Reported : Mar 07, 2024
Report Number : 2922192-1

Sample Number	2423494-1
Sampled Date	Mar 01, 2024 10:15 AM
Sample Description	Wastewater
Location	บริษัท เซล อินดัสทรี (ไทยแลนด์) จำกัด : SAIL INDUSTRY (THAILAND) CO.,LTD.
Date Analysis Commenced	Mar 01, 2024
Condition of Sample	Contained in one amber glass bottle and three plastic bottles. Sample containers comply to pretreatment - preservation standards (APHA / USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	17.5	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	50	≤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	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	13.6	≤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	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 : Chainusorn Lertnanthakunchai ทะเบียนเลขที่ ว-323-จ-9461 , Pattarapol Sawangjaitam ทะเบียนเลขที่ ว-204-จ-0002

Remark :
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Technical Management

Narumon Banchongkit
Supervisor
ทะเบียนเลขที่ ว-323-จ-9445

Approved by

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: 2423494
Date Received : Mar 01, 2024
Date Reported : Mar 08, 2024
Report Number : 2922192-2

Sample Number	2423494-1
Sampled Date	Mar 01, 2024 10:15 AM
Sample Description	Wastewater
Location	บริษัท เซล อินดัสทรี (ไทยแลนด์) จำกัด : SAIL INDUSTRY (THAILAND) CO.,LTD.
Date Analysis Commenced	Mar 02, 2024
Condition of Sample	Contained in one amber glass bottle and three plastic bottles. Sample containers comply to pretreatment - preservation standards (APHA / USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
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 : Chainusorn Lertnanthakunchai ทะเบียนเลขที ว-323-จ-9461 , Pattarapol Sawangjaitam ทะเบียนเลขที ว-204-จ-0002

Remark :
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Technical Management

Siriluk Bunnak
Section Head
ทะเบียนเลขที ว-204-จ-0013

Approved by

Kanokkorn Anek
Senior Manager
ทะเบียนเลขที ว-204-ค-0004

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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
P/O :
Project Name : โครงการสวนอุตสาหกรรมปลวกแดง (โรจนะปลวกแดง/ระยอง2)
Project Location: Factory

Lot ID: 2423495
Date Received : Mar 01, 2024
Date Reported : Mar 07, 2024
Report Number : 2922193-1

Sample Number	2423495-1
Sampled Date	Mar 01, 2024 9:24 AM
Sample Description	Wastewater
Location	บริษัท กีลอง (ประเทศไทย) จำกัด (จุดที่ 1) : GEELONG (THAILAND) CO.,LTD.
Date Analysis Commenced	Mar 01, 2024
Condition of Sample	Contained in one amber glass bottle and three plastic bottles. Sample containers comply to pretreatment - preservation standards (APHA / USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	33.1	≤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	111	≤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		-	-	9.1	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	556	≤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	23.0	≤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	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 : Chainusorn Lertnanthakunchai ทะเบียนเลขที่ ว-323-จ-9461 , Pattarapol Sawangjaitam ทะเบียนเลขที่ ว-204-จ-0002

Remark :
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Technical Management

Narumon Banchongkit
Supervisor
ทะเบียนเลขที่ ว-323-จ-9445

Approved by

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: 2423495
Date Received : Mar 01, 2024
Date Reported : Mar 08, 2024
Report Number : 2922193-2

Sample Number	2423495-1
Sampled Date	Mar 01, 2024 9:24 AM
Sample Description	Wastewater
Location	บริษัท กีลอง (ประเทศไทย) จำกัด (จุดที่ 1) : GEELONG (THAILAND) CO.,LTD.
Date Analysis Commenced	Mar 02, 2024
Condition of Sample	Contained in one amber glass bottle and three plastic bottles. Sample containers comply to pretreatment - preservation standards (APHA / USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
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 : Chainusorn Lertnanthakunchai ทะเบียนเลขที ว-323-จ-9461 , Pattarapol Sawangjaitam ทะเบียนเลขที ว-204-จ-0002

Remark :
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Technical Management

Siriluk Bunnak
Section Head
ทะเบียนเลขที ว-204-จ-0013

Approved by

Kanokkorn Anek
Senior Manager
ทะเบียนเลขที ว-204-ค-0004

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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
P/O :
Project Name : โครงการสวนอุตสาหกรรมปลวกแดง (โรจนะปลวกแดง/ระยอง2)
Project Location : Factory

Lot ID: 2423496
Date Received : Mar 01, 2024
Date Reported : Mar 07, 2024
Report Number : 2922195-1

Sample Number	2423496-1
Sampled Date	Mar 01, 2024 9:35 AM
Sample Description	Wastewater
Location	บริษัท กีลอง (ประเทศไทย) จำกัด (จุดที่ 2) : GEELONG (THAILAND) CO.,LTD.
Date Analysis Commenced	Mar 01, 2024
Condition of Sample	Contained in one amber glass bottle and three plastic bottles. Sample containers comply to pretreatment - preservation standards (APHA / USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	45.4	≤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	201	≤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	520	≤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	87.0	≤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	≤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 : Chainusorn Lertnanthakunchai ทะเบียนเลขที่ ว-323-จ-9461 , 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

Narumon Banchongkit
Supervisor
ทะเบียนเลขที่ ว-323-จ-9445

Approved by

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: 2423496
Date Received : Mar 01, 2024
Date Reported : Mar 08, 2024
Report Number : 2922195-2

Sample Number	2423496-1
Sampled Date	Mar 01, 2024 9:35 AM
Sample Description	Wastewater
Location	บริษัท กีลอง (ประเทศไทย) จำกัด (จุดที่ 2) : GEELONG (THAILAND) CO.,LTD.
Date Analysis Commenced	Mar 02, 2024
Condition of Sample	Contained in one amber glass bottle and three plastic bottles. Sample containers comply to pretreatment - preservation standards (APHA / USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
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 : Chainusorn Lertnanthakunchai ทะเบียนเลขที ว-323-จ-9461 , Pattarapol Sawangjaitam ทะเบียนเลขที ว-204-จ-0002

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Technical Management

Siriluk Bunnak
Section Head
ทะเบียนเลขที ว-204-จ-0013

Approved by

Kanokkorn Anek
Senior Manager
ทะเบียนเลขที ว-204-ค-0004

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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
P/O :
Project Name : โครงการสวนอุตสาหกรรมปลวกแดง (โรจนะปลวกแดง/ระยอง2)
Project Location : Factory

Lot ID: 2423497
Date Received : Mar 01, 2024
Date Reported : Mar 07, 2024
Report Number : 2922196-1

Sample Number	2423497-1
Sampled Date	Mar 01, 2024 9:50 AM
Sample Description	Wastewater
Location	บริษัท ซีลแมกซ์ ซีลลิ่ง โซลูชั่น จำกัด : SILMAX SEALING SOLUTION CO.,LTD.
Date Analysis Commenced	Mar 01, 2024
Condition of Sample	Contained in one amber glass bottle and three plastic bottles. Sample containers comply to pretreatment - preservation standards (APHA / USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	56.8	≤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	154	≤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	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	70.1	≤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	45	≤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 : Chainusorn Lertnanthakunchai ทะเบียนเลขที่ ว-323-จ-9461 , Pattarapol Sawangjaitam ทะเบียนเลขที่ ว-204-จ-0002

Remark :
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Technical Management

Narumon Banchongkit
Supervisor
ทะเบียนเลขที่ ว-323-จ-9445

Approved by

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: 2423497
Date Received : Mar 01, 2024
Date Reported : Mar 08, 2024
Report Number : 2922196-2

Sample Number	2423497-1
Sampled Date	Mar 01, 2024 9:50 AM
Sample Description	Wastewater
Location	บริษัท ซีลแมกซ์ ซีลลิ่ง โซลูชั่น จำกัด : SILMAX SEALING SOLUTION CO.,LTD.
Date Analysis Commenced	Mar 02, 2024
Condition of Sample	Contained in one amber glass bottle and three plastic bottles. Sample containers comply to pretreatment - preservation standards (APHA / USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
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 : Chainusorn Lertnanthakunchai ทะเบียนเลขที ว-323-จ-9461 , Pattarapol Sawangjaitam ทะเบียนเลขที ว-204-จ-0002

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

Technical Management

Siriluk Bunnak
Section Head
ทะเบียนเลขที ว-204-จ-0013

Approved by

Kanokkorn Anek
Senior Manager
ทะเบียนเลขที ว-204-ค-0004

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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
P/O :
Project Name : โครงการสวนอุตสาหกรรมปลวกแดง (โรจนะปลวกแดง/ระยอง2)
Project Location : Factory

Lot ID: 2423498
Date Received : Mar 01, 2024
Date Reported : Mar 07, 2024
Report Number : 2922205-1

Sample Number	2423498-1
Sampled Date	Mar 01, 2024 9:44 AM
Sample Description	Wastewater
Location	บริษัท เทียนกุง พรีซิชั่น ทูลส์ (ประเทศไทย) จำกัด : TIANGONG PRECISION TOOLS (THAILAND) CO.,LTD.
Date Analysis Commenced	Mar 01, 2024
Condition of Sample	Contained in one amber glass bottle and three plastic bottles. Sample containers comply to pretreatment - preservation standards (APHA / USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	202	≤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	506	≤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	644	≤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	95.0	≤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	69	≤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 : Chainusorn Lertnanthakunchai ทะเบียนเลขที่ ว-323-จ-9461 , Pattarapol Sawangjaitam ทะเบียนเลขที่ ว-204-จ-0002

Remark :
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Technical Management

Narumon Banchongkit
Supervisor
ทะเบียนเลขที่ ว-323-จ-9445

Approved by

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: 2423498
Date Received : Mar 01, 2024
Date Reported : Mar 08, 2024
Report Number : 2922205-2

Sample Number	2423498-1
Sampled Date	Mar 01, 2024 9:44 AM
Sample Description	Wastewater
Location	บริษัท เทียนกุง พรีซิชั่น ทูลส์ (ประเทศไทย) จำกัด : TIANGONG PRECISION TOOLS (THAILAND) CO.,LTD.
Date Analysis Commenced	Mar 02, 2024
Condition of Sample	Contained in one amber glass bottle and three plastic bottles. Sample containers comply to pretreatment - preservation standards (APHA / USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
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 : Chainusorn Lertnanthakunchai ทะเบียนเลขที ว-323-จ-9461 , Pattarapol Sawangjaitam ทะเบียนเลขที ว-204-จ-0002

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Technical Management

Siriluk Bunnak
Section Head
ทะเบียนเลขที ว-204-จ-0013

Approved by

Kanokkorn Anek
Senior Manager
ทะเบียนเลขที ว-204-ค-0004

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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
P/O :
Project Name : โครงการสวนอุตสาหกรรมปลวกแดง (โรจนะปลวกแดง/ระยอง2)
Project Location: Factory

Lot ID: 2423499
Date Received : Mar 01, 2024
Date Reported : Mar 07, 2024
Report Number : 2922207-1

Sample Number	2423499-1
Sampled Date	Mar 01, 2024 10:22 AM
Sample Description	Wastewater
Location	บริษัท วีอีเอ็ม (ไทยแลนด์) จำกัด โรงงาน 1 จุดที่ 2 : VEM (THAILAND) CO., LTD.
Date Analysis Commenced	Mar 01, 2024
Condition of Sample	Contained in one amber glass bottle and three plastic bottles. Sample containers comply to pretreatment - preservation standards (APHA / USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	43.4	≤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	159	≤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		-	-	8.4	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	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	84.3	≤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 : Chainusorn Lertnanthakunchai ทะเบียนเลขที่ ว-323-จ-9461 , Pattarapol Sawangjaitam ทะเบียนเลขที่ ว-204-จ-0002

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Technical Management

Narumon Banchongkit
Supervisor
ทะเบียนเลขที่ ว-323-จ-9445

Approved by

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: 2423499
Date Received : Mar 01, 2024
Date Reported : Mar 08, 2024
Report Number : 2922207-2

Sample Number	2423499-1
Sampled Date	Mar 01, 2024 10:22 AM
Sample Description	Wastewater
Location	บริษัท วีอีเอ็ม (ไทยแลนด์) จำกัด โรงงาน 1 จุดที่ 2 : VEM (THAILAND) CO., LTD.
Date Analysis Commenced	Mar 02, 2024
Condition of Sample	Contained in one amber glass bottle and three plastic bottles. Sample containers comply to pretreatment - preservation standards (APHA / USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
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 : Chainusorn Lertnanthakunchai ทะเบียนเลขที ว-323-จ-9461 , Pattarapol Sawangjaitam ทะเบียนเลขที ว-204-จ-0002

Remark :
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Technical Management

Siriluk Bunnak
Section Head
ทะเบียนเลขที่ ว-204-จ-0013

Approved by

Kanokkorn Anek
Senior Manager
ทะเบียนเลขที่ ว-204-ค-0004

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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
P/O :
Project Name : โครงการสวนอุตสาหกรรมปลวกแดง (โรจนะปลวกแดง/ระยอง2)
Project Location: Factory

Lot ID: 2423500
Date Received : Mar 01, 2024
Date Reported : Mar 07, 2024
Report Number : 2922209-1

Sample Number	2423500-1
Sampled Date	Mar 01, 2024 10:33 AM
Sample Description	Wastewater
Location	บริษัท วีอีเอ็ม (ไทยแลนด์) จำกัด โรงงาน 2 : VEM (THAILAND) CO., LTD.
Date Analysis Commenced	Mar 01, 2024
Condition of Sample	Contained in one amber glass bottle and three plastic bottles. Sample containers comply to pretreatment - preservation standards (APHA / USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	81.3	≤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		-	-	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	532	≤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	96.5	≤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	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 : Chainusorn Lertnanthakunchai ทะเบียนเลขที่ ว-323-จ-9461 , Pattarapol Sawangjaitam ทะเบียนเลขที่ ว-204-จ-0002

Remark :
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Technical Management

Narumon Banchongkit
Supervisor
ทะเบียนเลขที่ ว-323-จ-9445

Approved by

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. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

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: 2423500
Date Received : Mar 01, 2024
Date Reported : Mar 08, 2024
Report Number : 2922209-2

Sample Number	2423500-1
Sampled Date	Mar 01, 2024 10:33 AM
Sample Description	Wastewater
Location	บริษัท วีอีเอ็ม (ไทยแลนด์) จำกัด โรงงาน 2 : VEM (THAILAND) CO., LTD.
Date Analysis Commenced	Mar 02, 2024
Condition of Sample	Contained in one amber glass bottle and three plastic bottles. Sample containers comply to pretreatment - preservation standards (APHA / USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
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 : Chainusorn Lertnanthakunchai ทะเบียนเลขที ว-323-จ-9461 , Pattarapol Sawangjaitam ทะเบียนเลขที ว-204-จ-0002

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

Technical Management

Siriluk Bunnak
Section Head
ทะเบียนเลขที ว-204-จ-0013

Approved by

Kanokkorn Anek
Senior Manager
ทะเบียนเลขที ว-204-ค-0004

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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
P/O :
Project Name : โครงการสวนอุตสาหกรรมปลวกแดง (โรจนะปลวกแดง/ระยอง2)
Project Location: Factory

Lot ID: 2423501
Date Received : Mar 01, 2024
Date Reported : Mar 07, 2024
Report Number : 2922211-1

Sample Number	2423501-1
Sampled Date	Mar 01, 2024 10:03 AM
Sample Description	Wastewater
Location	บริษัท ฮามาตั้น (ประเทศไทย) จำกัด
Date Analysis Commenced	Mar 01, 2024
Condition of Sample	Contained in one amber glass bottle and three plastic bottles. Sample containers comply to pretreatment - preservation standards (APHA / USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	46.0	≤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	146	≤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	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	84.0	≤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	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 : Chainusorn Lertnanthakunchai ทะเบียนเลขที่ ว-323-จ-9461 , 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

Narumon Banchongkit
Supervisor
ทะเบียนเลขที่ ว-323-จ-9445

Approved by

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. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

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: 2423501
Date Received : Mar 01, 2024
Date Reported : Mar 08, 2024
Report Number : 2922211-2

Sample Number	2423501-1
Sampled Date	Mar 01, 2024 10:03 AM
Sample Description	Wastewater
Location	บริษัท ฮามาตั้น (ประเทศไทย) จำกัด
Date Analysis Commenced	Mar 02, 2024
Condition of Sample	Contained in one amber glass bottle and three plastic bottles. Sample containers comply to pretreatment - preservation standards (APHA / USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
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 : Chainusorn Lertnanthakunchai ทะเบียนเลขที ว-323-จ-9461 , Pattarapol Sawangjaitam ทะเบียนเลขที ว-204-จ-0002

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

Technical Management

Siriluk Bunnak
Section Head
ทะเบียนเลขที ว-204-จ-0013

Approved by

Kanokkorn Anek
Senior Manager
ทะเบียนเลขที ว-204-ค-0004

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.

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
P/O :
Project Name : โครงการสวนอุตสาหกรรมปลวกแดง (โรจนะปลวกแดง/ระยอง2)
Project Location: Factory

Lot ID: 2435833
Date Received : Apr 01, 2024
Date Reported : Apr 08, 2024
Report Number : 2949910-1

Sample Number	2435833-1
Sampled Date	Apr 01, 2024 10:52 AM
Sample Description	Wastewater
Location	บริษัท กัลฟ์ พีดี จำกัด : GULF PD COMPANY LIMITED.
Date Analysis Commenced	Apr 01, 2024
Condition of Sample	Contained in one amber glass bottle and three plastic bottles. Sample containers comply to pretreatment - preservation standards (APHA / USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	<2.0	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O 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		-	-	7.9	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	268	≤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 : Chainusorn Lertnanthakunchai ทะเบียนเลขที่ ว-323-จ-9461

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

Narumon Banchongkit
Supervisor
ทะเบียนเลขที่ ว-323-จ-9445

Approved by

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. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

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: 2435833
Date Received : Apr 01, 2024
Date Reported : Apr 05, 2024
Report Number : 2949910-2

Sample Number	2435833-1
Sampled Date	Apr 01, 2024 10:52 AM
Sample Description	Wastewater
Location	บริษัท กัลฟ์ พีดี จำกัด : GULF PD COMPANY LIMITED.
Date Analysis Commenced	Apr 02, 2024
Condition of Sample	Contained in one amber glass bottle and three plastic bottles. Sample containers comply to pretreatment - preservation standards (APHA / USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
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 : Chainusorn Lertnanthakunchai ทะเบียนเลขที่ ว-323-จ-9461

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

Technical Management

Narin Saiseng
Supervisor
ทะเบียนเลขที่ ว-204-จ-0009

Approved by

Kanokkorn Anek
Senior Manager
ทะเบียนเลขที่ ว-204-ค-0004

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.0042

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: 2435834
Date Received : Apr 01, 2024
Date Reported : Apr 11, 2024
Report Number : 2949914-1 Rev. No.1

Sample Number	2435834-1
Sampled Date	Apr 01, 2024 10:25 AM
Sample Description	Wastewater
Location	บริษัท วีอีเอ็ม (ไทยแลนด์) จำกัด โรงงาน1 จุดที่1 : VEM (THAILAND) CO., LTD.
Date Analysis Commenced	Apr 01, 2024
Condition of Sample	Contained in one amber glass bottle and three plastic bottles. Sample containers comply to pretreatment - preservation standards (APHA / USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	14.3	≤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	41	≤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	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	12.6	≤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	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.

Note : This Analysis test report is reissued to supersede report No.2949914-1, Date Reported : Apr 08, 2024 due to revise sample information.

Sampling By : Chainusorn Lertnanthakunchai ทะเบียนเลขที่ ว-323-จ-9461

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

Narumon Banchongkit
Supervisor
ทะเบียนเลขที่ ว-323-จ-9445

Approved by

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. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

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: 2435834
Date Received : Apr 01, 2024
Date Reported : Apr 11, 2024
Report Number : 2949914-2 Rev. No.1

Sample Number	2435834-1
Sampled Date	Apr 01, 2024 10:25 AM
Sample Description	Wastewater
Location	บริษัท วีอีเอ็ม (ไทยแลนด์) จำกัด โรงงาน1 จุดที่1 : VEM (THAILAND) CO., LTD.
Date Analysis Commenced	Apr 02, 2024
Condition of Sample	Contained in one amber glass bottle and three plastic bottles. Sample containers comply to pretreatment - preservation standards (APHA / USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
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.

Note : This Analysis test report is reissued to supersede report No.2949914-2, Date Reported : Apr 08, 2024 due to revise sample information.

Sampling By : Chainusorn Lertnanthakunchai ทะเบียนเลขที ว-323-จ-9461 , Pattarapol Sawangjaitam ทะเบียนเลขที ว-204-จ-0002

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

Technical Management

Narin Saiseng
Supervisor
ทะเบียนเลขที ว-204-จ-0009

Approved by

Kanokkorn Anek
Senior Manager
ทะเบียนเลขที ว-204-ค-0004

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ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

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
P/O :
Project Name : โครงการสวนอุตสาหกรรมปลวกแดง (โรจนะปลวกแดง/ระยอง2)
Project Location: Factory

Lot ID: 2435835
Date Received : Apr 01, 2024
Date Reported : Apr 08, 2024
Report Number : 2949917-1

Sample Number	2435835-1
Sampled Date	Apr 01, 2024 10:15 AM
Sample Description	Wastewater
Location	บริษัท เซล อินดัสทรี (ไทยแลนด์) จำกัด : SAIL INDUSTRY (THAILAND) CO.,LTD.
Date Analysis Commenced	Apr 01, 2024
Condition of Sample	Contained in one amber glass bottle and three plastic bottles. Sample containers comply to pretreatment - preservation standards (APHA / USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	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	61	≤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	500	≤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	16.8	≤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	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 : Chainusorn Lertnanthakunchai ทะเบียนเลขที่ ว-323-จ-9461

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

Narumon Banchongkit
Supervisor
ทะเบียนเลขที่ ว-323-จ-9445

Approved by

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: 2435835
Date Received : Apr 01, 2024
Date Reported : Apr 05, 2024
Report Number : 2949917-2

Sample Number	2435835-1
Sampled Date	Apr 01, 2024 10:15 AM
Sample Description	Wastewater
Location	บริษัท เซล อินดัสทรี (ไทยแลนด์) จำกัด : SAIL INDUSTRY (THAILAND) CO.,LTD.
Date Analysis Commenced	Apr 02, 2024
Condition of Sample	Contained in one amber glass bottle and three plastic bottles. Sample containers comply to pretreatment - preservation standards (APHA / USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
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 : Chainusorn Lertnanthakunchai ทะเบียนเลขที่ ว-323-จ-9461

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

Technical Management

Narin Saiseng
Supervisor
ทะเบียนเลขที่ ว-204-จ-0009

Approved by

Kanokkorn Anek
Senior Manager
ทะเบียนเลขที่ ว-204-ค-0004

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.

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
P/O :
Project Name : โครงการสวนอุตสาหกรรมปลวกแดง (โรจนะปลวกแดง/ระยอง2)
Project Location : Factory

Lot ID: 2435836
Date Received : Apr 01, 2024
Date Reported : Apr 08, 2024
Report Number : 2949924-1

Sample Number	2435836-1
Sampled Date	Apr 01, 2024 9:25 AM
Sample Description	Wastewater
Location	บริษัท กีลอง (ประเทศไทย) จำกัด (จุดที่ 1) : GEELONG (THAILAND) CO.,LTD.
Date Analysis Commenced	Apr 01, 2024
Condition of Sample	Contained in one amber glass bottle and three plastic bottles. Sample containers comply to pretreatment - preservation standards (APHA / USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	12.6	≤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	52	≤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	532	≤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	8.9	≤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	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 : Chainusorn Lertnanthakunchai ทะเบียนเลขที่ ว-323-จ-9461

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

Narumon Banchongkit
Supervisor
ทะเบียนเลขที่ ว-323-จ-9445

Approved by

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: 2435836
Date Received : Apr 01, 2024
Date Reported : Apr 05, 2024
Report Number : 2949924-2

Sample Number	2435836-1
Sampled Date	Apr 01, 2024 9:25 AM
Sample Description	Wastewater
Location	บริษัท กีลอง (ประเทศไทย) จำกัด (จุดที่ 1) : GEELONG (THAILAND) CO.,LTD.
Date Analysis Commenced	Apr 02, 2024
Condition of Sample	Contained in one amber glass bottle and three plastic bottles. Sample containers comply to pretreatment - preservation standards (APHA / USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
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 : Chainusorn Lertnanthakunchai ทะเบียนเลขที่ ว-323-จ-9461

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

Technical Management

Narin Saiseng
Supervisor
ทะเบียนเลขที่ ว-204-จ-0009

Approved by

Kanokkorn Anek
Senior Manager
ทะเบียนเลขที่ ว-204-ค-0004

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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
P/O :
Project Name : โครงการสวนอุตสาหกรรมปลวกแดง (โรจนะปลวกแดง/ระยอง2)
Project Location : Factory

Lot ID: 2435837
Date Received : Apr 01, 2024
Date Reported : Apr 08, 2024
Report Number : 2949926-1

Sample Number	2435837-1
Sampled Date	Apr 01, 2024 9:30 AM
Sample Description	Wastewater
Location	บริษัท กีลอง (ประเทศไทย) จำกัด (จุดที่ 2) : GEELONG (THAILAND) CO.,LTD.
Date Analysis Commenced	Apr 01, 2024
Condition of Sample	Contained in one amber glass bottle and three plastic bottles. Sample containers comply to pretreatment - preservation standards (APHA / USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	42.2	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	160	≤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	620	≤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	106	≤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	32	≤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 : Chainusorn Lertnanthakunchai ทะเบียนเลขที่ ว-323-จ-9461

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Technical Management

Narumon Banchongkit
Supervisor
ทะเบียนเลขที่ ว-323-จ-9445

Approved by

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: 2435837
Date Received : Apr 01, 2024
Date Reported : Apr 05, 2024
Report Number : 2949926-2

Sample Number	2435837-1
Sampled Date	Apr 01, 2024 9:30 AM
Sample Description	Wastewater
Location	บริษัท กีลอง (ประเทศไทย) จำกัด (จุดที่ 2) : GEELONG (THAILAND) CO.,LTD.
Date Analysis Commenced	Apr 02, 2024
Condition of Sample	Contained in one amber glass bottle and three plastic bottles. Sample containers comply to pretreatment - preservation standards (APHA / USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
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 : Chainusorn Lertnanthakunchai ทะเบียนเลขที่ ว-323-จ-9461

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

Technical Management

Narin Saiseng
Supervisor
ทะเบียนเลขที่ ว-204-จ-0009

Approved by

Kanokkorn Anek
Senior Manager
ทะเบียนเลขที่ ว-204-ค-0004

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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
P/O :
Project Name : โครงการสวนอุตสาหกรรมปลวกแดง (โรจนะปลวกแดง/ระยอง2)
Project Location: Factory

Lot ID: 2435838
Date Received : Apr 01, 2024
Date Reported : Apr 08, 2024
Report Number : 2949930-1

Sample Number	2435838-1
Sampled Date	Apr 01, 2024 9:55 AM
Sample Description	Wastewater
Location	บริษัท ซีลแมกซ์ ซีลลิ่ง โซลูชั่น จำกัด : SILMAX SEALING SOLUTION CO.,LTD.
Date Analysis Commenced	Apr 01, 2024
Condition of Sample	Contained in one amber glass bottle and three plastic bottles. Sample containers comply to pretreatment - preservation standards (APHA / USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	63.8	≤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	215	≤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	690	≤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	117	≤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 : Chainusorn Lertnanthakunchai ทะเบียนเลขที่ ว-323-จ-9461

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

Narumon Banchongkit
Supervisor
ทะเบียนเลขที่ ว-323-จ-9445

Approved by

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: 2435838
Date Received : Apr 01, 2024
Date Reported : Apr 05, 2024
Report Number : 2949930-2

Sample Number	2435838-1
Sampled Date	Apr 01, 2024 9:55 AM
Sample Description	Wastewater
Location	บริษัท ซีลแมกซ์ ซีลลิ่ง โซลูชั่น จำกัด : SILMAX SEALING SOLUTION CO.,LTD.
Date Analysis Commenced	Apr 02, 2024
Condition of Sample	Contained in one amber glass bottle and three plastic bottles. Sample containers comply to pretreatment - preservation standards (APHA / USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
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 : Chainusorn Lertnanthakunchai ทะเบียนเลขที่ ว-323-จ-9461

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

Technical Management

Narin Saiseng
Supervisor
ทะเบียนเลขที่ ว-204-จ-0009

Approved by

Kanokkorn Anek
Senior Manager
ทะเบียนเลขที่ ว-204-ค-0004

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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
P/O :
Project Name : โครงการสวนอุตสาหกรรมปลวกแดง (โรจนะปลวกแดง/ระยอง2)
Project Location: Factory

Lot ID: 2435839
Date Received : Apr 01, 2024
Date Reported : Apr 08, 2024
Report Number : 2949931-1

Sample Number	2435839-1
Sampled Date	Apr 01, 2024 9:45 AM
Sample Description	Wastewater
Location	บริษัท เทียนกุง พรีซิชั่น ทูลส์ (ประเทศไทย) จำกัด : TIANGONG PRECISION TOOLS (THAILAND) CO.,LTD.
Date Analysis Commenced	Apr 01, 2024
Condition of Sample	Contained in one amber glass bottle and three plastic bottles. Sample containers comply to pretreatment - preservation standards (APHA / USEPA)
Physical Property	Yellow, a lot of odour, solid and some turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	76.0	≤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	224	≤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	604	≤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	23.7	≤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	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 : Chainusorn Lertnanthakunchai ทะเบียนเลขที่ ว-323-จ-9461

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Technical Management

Narumon Banchongkit
Supervisor
ทะเบียนเลขที่ ว-323-จ-9445

Approved by

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: 2435839
Date Received : Apr 01, 2024
Date Reported : Apr 05, 2024
Report Number : 2949931-2

Sample Number	2435839-1
Sampled Date	Apr 01, 2024 9:45 AM
Sample Description	Wastewater
Location	บริษัท เทียนกุง พรีซิชั่น ทูลส์ (ประเทศไทย) จำกัด : TIANGONG PRECISION TOOLS (THAILAND) CO.,LTD.
Date Analysis Commenced	Apr 02, 2024
Condition of Sample	Contained in one amber glass bottle and three plastic bottles. Sample containers comply to pretreatment - preservation standards (APHA / USEPA)
Physical Property	Yellow, a lot of odour, solid and some turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
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 : Chainusorn Lertnanthakunchai ทะเบียนเลขที่ ว-323-จ-9461

Remark :
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Technical Management

Narin Saiseng
Supervisor
ทะเบียนเลขที่ ว-204-จ-0009

Approved by

Kanokkorn Anek
Senior Manager
ทะเบียนเลขที่ ว-204-ค-0004

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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
P/O :
Project Name : โครงการสวนอุตสาหกรรมปลวกแดง (โรจนะปลวกแดง/ระยอง2)
Project Location: Factory

Lot ID: 2435840
Date Received : Apr 01, 2024
Date Reported : Apr 08, 2024
Report Number : 2949934-1

Sample Number	2435840-1
Sampled Date	Apr 01, 2024 10:20 AM
Sample Description	Wastewater
Location	บริษัท วีอีเอ็ม (ไทยแลนด์) จำกัด โรงงาน 1 จุดที่ 2 : VEM (THAILAND) CO., LTD.
Date Analysis Commenced	Apr 01, 2024
Condition of Sample	Contained in one amber glass bottle and three plastic bottles. Sample containers comply to pretreatment - preservation standards (APHA / USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	39.2	≤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	188	≤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	588	≤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	42.3	≤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	44	≤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 : Chainusorn Lertnanthakunchai ทะเบียนเลขที่ ว-323-จ-9461

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

Narumon Banchongkit
Supervisor
ทะเบียนเลขที่ ว-323-จ-9445

Approved by

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: 2435840
Date Received : Apr 01, 2024
Date Reported : Apr 05, 2024
Report Number : 2949934-2

Sample Number	2435840-1
Sampled Date	Apr 01, 2024 10:20 AM
Sample Description	Wastewater
Location	บริษัท วีอีเอ็ม (ไทยแลนด์) จำกัด โรงงาน 1 จุดที่ 2 : VEM (THAILAND) CO., LTD.
Date Analysis Commenced	Apr 02, 2024
Condition of Sample	Contained in one amber glass bottle and three plastic bottles. Sample containers comply to pretreatment - preservation standards (APHA / USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
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 : Chainusorn Lertnanthakunchai ทะเบียนเลขที่ ว-323-จ-9461

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

Technical Management

Narin Saiseng
Supervisor
ทะเบียนเลขที่ ว-204-จ-0009

Approved by

Kanokkorn Anek
Senior Manager
ทะเบียนเลขที่ ว-204-ค-0004

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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
P/O :
Project Name : โครงการสวนอุตสาหกรรมปลวกแดง (โรจนะปลวกแดง/ระยอง2)
Project Location: Factory

Lot ID: 2435841
Date Received : Apr 01, 2024
Date Reported : Apr 08, 2024
Report Number : 2949940-1

Sample Number	2435841-1
Sampled Date	Apr 01, 2024 10:30 AM
Sample Description	Wastewater
Location	บริษัท วีอีเอ็ม (ไทยแลนด์) จำกัด โรงงาน 2 : VEM (THAILAND) CO., LTD.
Date Analysis Commenced	Apr 01, 2024
Condition of Sample	Contained in one amber glass bottle and three plastic bottles. Sample containers comply to pretreatment - preservation standards (APHA / USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	66.1	≤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	378	≤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	640	≤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	134	≤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	46	≤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 : Chainusorn Lertnanthakunchai ทะเบียนเลขที่ ว-323-จ-9461

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

Narumon Banchongkit
Supervisor
ทะเบียนเลขที่ ว-323-จ-9445

Approved by

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. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

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: 2435841
Date Received : Apr 01, 2024
Date Reported : Apr 05, 2024
Report Number : 2949940-2

Sample Number	2435841-1
Sampled Date	Apr 01, 2024 10:30 AM
Sample Description	Wastewater
Location	บริษัท วีอีเอ็ม (ไทยแลนด์) จำกัด โรงงาน 2 : VEM (THAILAND) CO., LTD.
Date Analysis Commenced	Apr 02, 2024
Condition of Sample	Contained in one amber glass bottle and three plastic bottles. Sample containers comply to pretreatment - preservation standards (APHA / USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
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 : Chainusorn Lertnanthakunchai ทะเบียนเลขที่ ว-323-จ-9461

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

Technical Management

Narin Saiseng
Supervisor
ทะเบียนเลขที่ ว-204-จ-0009

Approved by

Kanokkorn Anek
Senior Manager
ทะเบียนเลขที่ ว-204-ค-0004

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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
P/O :
Project Name : โครงการสวนอุตสาหกรรมปลวกแดง (โรจนะปลวกแดง/ระยอง2)
Project Location: Factory

Lot ID: 2435842
Date Received : Apr 01, 2024
Date Reported : Apr 08, 2024
Report Number : 2949944-1

Sample Number	2435842-1
Sampled Date	Apr 01, 2024 10:07 AM
Sample Description	Wastewater
Location	ฮามาตั้น (ประเทศไทย) จำกัด
Date Analysis Commenced	Apr 01, 2024
Condition of Sample	Contained in one amber glass bottle and three plastic bottles. Sample containers comply to pretreatment - preservation standards (APHA / USEPA)
Physical Property	Yellow, a lot of odour, solid and some turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	12.1	≤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	101	≤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	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	46.4	≤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	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 : Chainusorn Lertnanthakunchai ทะเบียนเลขที่ ว-323-จ-9461

Remark :
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Technical Management

Narumon Banchongkit
Supervisor
ทะเบียนเลขที่ ว-323-จ-9445

Approved by

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: 2435842
Date Received : Apr 01, 2024
Date Reported : Apr 05, 2024
Report Number : 2949944-2

Sample Number	2435842-1
Sampled Date	Apr 01, 2024 10:07 AM
Sample Description	Wastewater
Location	ฮามาตั้น (ประเทศไทย) จำกัด
Date Analysis Commenced	Apr 02, 2024
Condition of Sample	Contained in one amber glass bottle and three plastic bottles. Sample containers comply to pretreatment - preservation standards (APHA / USEPA)
Physical Property	Yellow, a lot of odour, solid and some turbid

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
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 : Chainusorn Lertnanthakunchai ทะเบียนเลขที่ ว-323-จ-9461

Remark :
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Technical Management

Narin Saiseng
Supervisor
ทะเบียนเลขที่ ว-204-จ-0009

Approved by

Kanokkorn Anek
Senior Manager
ทะเบียนเลขที่ ว-204-ค-0004

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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
P/O :
Project Name : โครงการสวนอุตสาหกรรมปลวกแดง (โรจนะปลวกแดง/ระยอง2)
Project Location: Factory

Lot ID: 2447657
Date Received : May 03, 2024
Date Reported : May 10, 2024
Report Number : 2977016-1

Sample Number	2447657-1
Sampled Date	May 03, 2024 11:35 AM
Sample Description	Wastewater
Location	บริษัท กัลฟ์ พีดี จำกัด : GULF PD COMPANY LIMITED.
Date Analysis Commenced	May 03, 2024
Condition of Sample	Contained in one amber glass bottle and three plastic bottles. Sample containers comply to pretreatment - preservation standards (APHA / USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	2.3	≤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	<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		-	-	7.7	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	100	≤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	1.5	≤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	<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 : Chainusorn Lertnanthakunchai ทะเบียนเลขที่ ว-323-จ-9461 , Samart Khumphlee ทะเบียนเลขที่ ว-204-จ-0084

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

Narumon Banchongkit
Supervisor
ทะเบียนเลขที่ ว-323-จ-9445

Approved by

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: 2447657
Date Received : May 03, 2024
Date Reported : May 09, 2024
Report Number : 2977016-2

Sample Number	2447657-1
Sampled Date	May 03, 2024 11:35 AM
Sample Description	Wastewater
Location	บริษัท กัลฟ์ พีดี จำกัด : GULF PD COMPANY LIMITED.
Date Analysis Commenced	May 04, 2024
Condition of Sample	Contained in one amber glass bottle and three plastic bottles. Sample containers comply to pretreatment - preservation standards (APHA / USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
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 : Chainusorn Lertnanthakunchai ทะเบียนเลขที ว-323-จ-9461 , Samart Khumphlee ทะเบียนเลขที ว-204-จ-0084

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

Technical Management

Suwimon Chairuangwut
Scientist (3)
ทะเบียนเลขที่ ว-204-จ-0018

Approved by

Kanokkorn Anek
Senior Manager
ทะเบียนเลขที่ ว-204-ค-0004

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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
P/O :
Project Name : โครงการสวนอุตสาหกรรมปลวกแดง (โรจนะปลวกแดง/ระยอง2)
Project Location: Factory

Lot ID: 2447658
Date Received : May 03, 2024
Date Reported : May 10, 2024
Report Number : 2977017-1

Sample Number	2447658-1
Sampled Date	May 03, 2024 9:27 AM
Sample Description	Wastewater
Location	บริษัท วีอีเอ็ม (ไทยแลนด์) จำกัด โรงงาน 1 จุดที่ 1 : VEM (THAILAND) CO., LTD.
Date Analysis Commenced	May 03, 2024
Condition of Sample	Contained in one amber glass bottle and three plastic bottles. Sample containers comply to pretreatment - preservation standards (APHA / USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	15.8	≤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	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		-	-	7.6	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	428	≤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	22.7	≤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 : Chainusorn Lertnanthakunchai ทะเบียนเลขที่ ว-323-จ-9461 , Samart Khumphlee ทะเบียนเลขที่ ว-204-จ-0084

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

Narumon Banchongkit
Supervisor
ทะเบียนเลขที่ ว-323-จ-9445

Approved by

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: 2447658
Date Received : May 03, 2024
Date Reported : May 09, 2024
Report Number : 2977017-2

Sample Number	2447658-1
Sampled Date	May 03, 2024 9:27 AM
Sample Description	Wastewater
Location	บริษัท วีอีเอ็ม (ไทยแลนด์) จำกัด โรงงาน 1 จุดที่ 1 : VEM (THAILAND) CO., LTD.
Date Analysis Commenced	May 04, 2024
Condition of Sample	Contained in one amber glass bottle and three plastic bottles. Sample containers comply to pretreatment - preservation standards (APHA / USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
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 : Chainusorn Lertnanthakunchai ทะเบียนเลขที ว-323-จ-9461 , Samart Khumphlee ทะเบียนเลขที ว-204-จ-0084

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

Technical Management

Suwimon Chairuangwut
Scientist (3)
ทะเบียนเลขที่ ว-204-จ-0018

Approved by

Kanokkorn Anek
Senior Manager
ทะเบียนเลขที่ ว-204-ค-0004

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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
P/O :
Project Name : โครงการสวนอุตสาหกรรมปลวกแดง (โรจนะปลวกแดง/ระยอง2)
Project Location : Factory

Lot ID: 2447659
Date Received : May 03, 2024
Date Reported : May 10, 2024
Report Number : 2977018-1

Sample Number	2447659-1
Sampled Date	May 03, 2024 10:47 AM
Sample Description	Wastewater
Location	บริษัท เซล อินดัสทรี (ไทยแลนด์) จำกัด : SAIL INDUSTRY (THAILAND) CO.,LTD.
Date Analysis Commenced	May 03, 2024
Condition of Sample	Contained in one amber glass bottle and three plastic bottles. Sample containers comply to pretreatment - preservation standards (APHA / USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	40.3	≤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	151	≤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		-	-	8.6	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	900	≤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	42.7	≤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	46	≤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 : Chainusorn Lertnanthakunchai ทะเบียนเลขที่ ว-323-จ-9461 , Samart Khumphlee ทะเบียนเลขที่ ว-204-จ-0084

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

Narumon Banchongkit
Supervisor
ทะเบียนเลขที่ ว-323-จ-9445

Approved by

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: 2447659
Date Received : May 03, 2024
Date Reported : May 09, 2024
Report Number : 2977018-2

Sample Number	2447659-1
Sampled Date	May 03, 2024 10:47 AM
Sample Description	Wastewater
Location	บริษัท เซล อินดัสทรี (ไทยแลนด์) จำกัด : SAIL INDUSTRY (THAILAND) CO.,LTD.
Date Analysis Commenced	May 04, 2024
Condition of Sample	Contained in one amber glass bottle and three plastic bottles. Sample containers comply to pretreatment - preservation standards (APHA / USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
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 : Chainusorn Lertnanthakunchai ทะเบียนเลขที ว-323-จ-9461 , Samart Khumphlee ทะเบียนเลขที ว-204-จ-0084

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

Technical Management

Suwimon Chairuangwut
Scientist (3)
ทะเบียนเลขที่ ว-204-จ-0018

Approved by

Kanokkorn Anek
Senior Manager
ทะเบียนเลขที่ ว-204-ค-0004

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ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

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
P/O :
Project Name : โครงการสวนอุตสาหกรรมปลวกแดง (โรจนะปลวกแดง/ระยอง2)
Project Location: Factory

Lot ID: 2447660
Date Received : May 03, 2024
Date Reported : May 10, 2024
Report Number : 2977019-1

Sample Number	2447660-1
Sampled Date	May 03, 2024 9:57 AM
Sample Description	Wastewater
Location	บริษัท กีลอง (ประเทศไทย) จำกัด (จุดที่ 1) : GEELONG (THAILAND) CO.,LTD.
Date Analysis Commenced	May 03, 2024
Condition of Sample	Contained in one amber glass bottle and three plastic bottles. Sample containers comply to pretreatment - preservation standards (APHA / USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	58.3	≤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	212	≤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		-	-	9.2	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	948	≤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	20.8	≤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	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 : Chainusorn Lertnanthakunchai ทะเบียนเลขที่ ว-323-จ-9461 , Samart Khumphlee ทะเบียนเลขที่ ว-204-จ-0084

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

Narumon Banchongkit
Supervisor
ทะเบียนเลขที่ ว-323-จ-9445

Approved by

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: 2447660
Date Received : May 03, 2024
Date Reported : May 09, 2024
Report Number : 2977019-2

Sample Number	2447660-1
Sampled Date	May 03, 2024 9:57 AM
Sample Description	Wastewater
Location	บริษัท กีลอง (ประเทศไทย) จำกัด (จุดที่ 1) : GEELONG (THAILAND) CO.,LTD.
Date Analysis Commenced	May 04, 2024
Condition of Sample	Contained in one amber glass bottle and three plastic bottles. Sample containers comply to pretreatment - preservation standards (APHA / USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Oil & Grease	mg/L	-	3	33	≤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 : Chainusorn Lertnanthakunchai ทะเบียนเลขที ว-323-จ-9461 , Samart Khumphlee ทะเบียนเลขที ว-204-จ-0084

Remark :
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Technical Management

Suwimon Chairuangwut
Scientist (3)
ทะเบียนเลขที่ ว-204-จ-0018

Approved by

Kanokkorn Anek
Senior Manager
ทะเบียนเลขที่ ว-204-ค-0004

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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
P/O :
Project Name : โครงการสวนอุตสาหกรรมปลวกแดง (โรจนะปลวกแดง/ระยอง2)
Project Location: Factory

Lot ID: 2447661
Date Received : May 03, 2024
Date Reported : May 10, 2024
Report Number : 2977020-1

Sample Number	2447661-1
Sampled Date	May 03, 2024 10:03 AM
Sample Description	Wastewater
Location	บริษัท กีลอง (ประเทศไทย) จำกัด (จุดที่ 2) : GEELONG (THAILAND) CO.,LTD.
Date Analysis Commenced	May 03, 2024
Condition of Sample	Contained in one amber glass bottle and three plastic bottles. Sample containers comply to pretreatment - preservation standards (APHA / USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	48.7	≤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	163	≤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	576	≤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	111	≤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	22	≤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 : Chainusorn Lertnanthakunchai ทะเบียนเลขที่ ว-323-จ-9461 , Samart Khumphlee ทะเบียนเลขที่ ว-204-จ-0084

Remark :
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Technical Management

Narumon Banchongkit
Supervisor
ทะเบียนเลขที่ ว-323-จ-9445

Approved by

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: 2447661
Date Received : May 03, 2024
Date Reported : May 08, 2024
Report Number : 2977020-2

Sample Number	2447661-1
Sampled Date	May 03, 2024 10:03 AM
Sample Description	Wastewater
Location	บริษัท กีลอง (ประเทศไทย) จำกัด (จุดที่ 2) : GEELONG (THAILAND) CO.,LTD.
Date Analysis Commenced	May 04, 2024
Condition of Sample	Contained in one amber glass bottle and three plastic bottles. Sample containers comply to pretreatment - preservation standards (APHA / USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Oil & Grease	mg/L	-	3	23	≤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 : Chainusorn Lertnanthakunchai ทะเบียนเลขที ว-323-จ-9461 , Samart Khumphlee ทะเบียนเลขที ว-204-จ-0084

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

Technical Management

Siriluk Bunnak
Section Head
ทะเบียนเลขที่ ว-204-จ-0013

Approved by

Kanokkorn Anek
Senior Manager
ทะเบียนเลขที่ ว-204-ค-0004

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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
P/O :
Project Name : โครงการสวนอุตสาหกรรมปลวกแดง (โรจนะปลวกแดง/ระยอง2)
Project Location: Factory

Lot ID: 2447662
Date Received : May 03, 2024
Date Reported : May 10, 2024
Report Number : 2977021-1

Sample Number	2447662-1
Sampled Date	May 03, 2024 10:21 AM
Sample Description	Wastewater
Location	บริษัท ซีลแมกซ์ ซีลลิ่ง โซลูชั่น จำกัด : SILMAX SEALING SOLUTION CO.,LTD.
Date Analysis Commenced	May 03, 2024
Condition of Sample	Contained in one amber glass bottle and three plastic bottles. Sample containers comply to pretreatment - preservation standards (APHA / USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	47.3	≤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	169	≤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	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	78.5	≤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	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 : Chainusorn Lertnanthakunchai ทะเบียนเลขที่ ว-323-จ-9461 , Samart Khumphlee ทะเบียนเลขที่ ว-204-จ-0084

Remark :
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Technical Management

Narumon Banchongkit
Supervisor
ทะเบียนเลขที่ ว-323-จ-9445

Approved by

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: 2447662
Date Received : May 03, 2024
Date Reported : May 08, 2024
Report Number : 2977021-2

Sample Number	2447662-1
Sampled Date	May 03, 2024 10:21 AM
Sample Description	Wastewater
Location	บริษัท ซีลแมกซ์ ซีลลิ่ง โซลูชั่น จำกัด : SILMAX SEALING SOLUTION CO.,LTD.
Date Analysis Commenced	May 04, 2024
Condition of Sample	Contained in one amber glass bottle and three plastic bottles. Sample containers comply to pretreatment - preservation standards (APHA / USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
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 : Chainusorn Lertnanthakunchai ทะเบียนเลขที ว-323-จ-9461 , Samart Khumphlee ทะเบียนเลขที ว-204-จ-0084

Remark :
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Technical Management

Siriluk Bunnak
Section Head
ทะเบียนเลขที่ ว-204-จ-0013

Approved by

Kanokkorn Anek
Senior Manager
ทะเบียนเลขที่ ว-204-ค-0004

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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
P/O :
Project Name : โครงการสวนอุตสาหกรรมปลวกแดง (โรจนะปลวกแดง/ระยอง2)
Project Location: Factory

Lot ID: 2447663
Date Received : May 03, 2024
Date Reported : May 10, 2024
Report Number : 2977022-1

Sample Number	2447663-1
Sampled Date	May 03, 2024 10:13 AM
Sample Description	Wastewater
Location	บริษัท เทียนกุง พรีซิชั่น ทูลส์ (ประเทศไทย) จำกัด : TIANGONG PRECISION TOOLS (THAILAND) CO.,LTD.
Date Analysis Commenced	May 03, 2024
Condition of Sample	Contained in one amber glass bottle and three plastic bottles. Sample containers comply to pretreatment - preservation standards (APHA / USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	200	≤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	611	≤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	1128	≤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	88.4	≤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	63	≤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 : Chainusorn Lertnanthakunchai ทะเบียนเลขที่ ว-323-จ-9461 , Samart Khumphlee ทะเบียนเลขที่ ว-204-จ-0084

Remark :
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Technical Management

Narumon Banchongkit
Supervisor
ทะเบียนเลขที่ ว-323-จ-9445

Approved by

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: 2447663
Date Received : May 03, 2024
Date Reported : May 08, 2024
Report Number : 2977022-2

Sample Number	2447663-1
Sampled Date	May 03, 2024 10:13 AM
Sample Description	Wastewater
Location	บริษัท เทียนกุง พรีซิชั่น ทูลส์ (ประเทศไทย) จำกัด : TIANGONG PRECISION TOOLS (THAILAND) CO.,LTD.
Date Analysis Commenced	May 04, 2024
Condition of Sample	Contained in one amber glass bottle and three plastic bottles. Sample containers comply to pretreatment - preservation standards (APHA / USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Oil & Grease	mg/L	-	3	27	≤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 : Chainusorn Lertnanthakunchai ทะเบียนเลขที ว-323-จ-9461 , Samart Khumphlee ทะเบียนเลขที ว-204-จ-0084

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

Technical Management

Siriluk Bunnak
Section Head
ทะเบียนเลขที่ ว-204-จ-0013

Approved by

Kanokkorn Anek
Senior Manager
ทะเบียนเลขที่ ว-204-ค-0004

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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
P/O :
Project Name : โครงการสวนอุตสาหกรรมปลวกแดง (โรจนะปลวกแดง/ระยอง2)
Project Location: Factory

Lot ID: 2447664
Date Received : May 03, 2024
Date Reported : May 10, 2024
Report Number : 2977023-1

Sample Number	2447664-1
Sampled Date	May 03, 2024 9:22 AM
Sample Description	Wastewater
Location	บริษัท วีอีเอ็ม (ไทยแลนด์) จำกัด โรงงาน 1 จุดที่ 2 : VEM (THAILAND) CO., LTD.
Date Analysis Commenced	May 03, 2024
Condition of Sample	Contained in one amber glass bottle and three plastic bottles. Sample containers comply to pretreatment - preservation standards (APHA / USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	55.7	≤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	175	≤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	580	≤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	87.9	≤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	18	≤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 : Chainusorn Lertnanthakunchai ทะเบียนเลขที่ ว-323-จ-9461 , Samart Khumphlee ทะเบียนเลขที่ ว-204-จ-0084

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

Technical Management

Narumon Banchongkit
Supervisor
ทะเบียนเลขที่ ว-323-จ-9445

Approved by

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. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

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: 2447664
Date Received : May 03, 2024
Date Reported : May 08, 2024
Report Number : 2977023-2

Sample Number	2447664-1
Sampled Date	May 03, 2024 9:22 AM
Sample Description	Wastewater
Location	บริษัท วีอีเอ็ม (ไทยแลนด์) จำกัด โรงงาน 1 จุดที่ 2 : VEM (THAILAND) CO., LTD.
Date Analysis Commenced	May 04, 2024
Condition of Sample	Contained in one amber glass bottle and three plastic bottles. Sample containers comply to pretreatment - preservation standards (APHA / USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
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 : Chainusorn Lertnanthakunchai ทะเบียนเลขที ว-323-จ-9461 , Samart Khumphlee ทะเบียนเลขที ว-204-จ-0084

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

Technical Management

Siriluk Bunnak
Section Head
ทะเบียนเลขที่ ว-204-จ-0013

Approved by

Kanokkorn Anek
Senior Manager
ทะเบียนเลขที่ ว-204-ค-0004

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ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

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
P/O :
Project Name : โครงการสวนอุตสาหกรรมปลวกแดง (โรจนะปลวกแดง/ระยอง2)
Project Location: Factory

Lot ID: 2447665
Date Received : May 03, 2024
Date Reported : May 10, 2024
Report Number : 2977024-1

Sample Number	2447665-1
Sampled Date	May 03, 2024 9:35 AM
Sample Description	Wastewater
Location	บริษัท วีอีเอ็ม (ไทยแลนด์) จำกัด โรงงาน 2 : VEM (THAILAND) CO., LTD.
Date Analysis Commenced	May 03, 2024
Condition of Sample	Contained in one amber glass bottle and three plastic bottles. Sample containers comply to pretreatment - preservation standards (APHA / USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	104	≤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	320	≤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	640	≤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	138	≤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	67	≤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 : Chainusorn Lertnanthakunchai ทะเบียนเลขที่ ว-323-จ-9461 , Samart Khumphlee ทะเบียนเลขที่ ว-204-จ-0084

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

Narumon Banchongkit
Supervisor
ทะเบียนเลขที่ ว-323-จ-9445

Approved by

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: 2447665
Date Received : May 03, 2024
Date Reported : May 08, 2024
Report Number : 2977024-2

Sample Number	2447665-1
Sampled Date	May 03, 2024 9:35 AM
Sample Description	Wastewater
Location	บริษัท วีอีเอ็ม (ไทยแลนด์) จำกัด โรงงาน 2 : VEM (THAILAND) CO., LTD.
Date Analysis Commenced	May 04, 2024
Condition of Sample	Contained in one amber glass bottle and three plastic bottles. Sample containers comply to pretreatment - preservation standards (APHA / USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
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 : Chainusorn Lertnanthakunchai ทะเบียนเลขที ว-323-จ-9461 , Samart Khumphlee ทะเบียนเลขที ว-204-จ-0084

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

Technical Management

Siriluk Bunnak
Section Head
ทะเบียนเลขที่ ว-204-จ-0013

Approved by

Kanokkorn Anek
Senior Manager
ทะเบียนเลขที่ ว-204-ค-0004

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.0042

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: 2447666
Date Received : May 03, 2024
Date Reported : May 10, 2024
Report Number : 2977025-1

Sample Number	2447666-1
Sampled Date	May 03, 2024 10:32 AM
Sample Description	Wastewater
Location	บริษัท ฮามาตั้น (ประเทศไทย) จำกัด
Date Analysis Commenced	May 03, 2024
Condition of Sample	Contained in one amber glass bottle and three plastic bottles. Sample containers comply to pretreatment - preservation standards (APHA / USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	26.9	≤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	134	≤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	552	≤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	75.4	≤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	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 : Chainusorn Lertnanthakunchai ทะเบียนเลขที่ ว-323-จ-9461 , Samart Khumphlee ทะเบียนเลขที่ ว-204-จ-0084

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

Narumon Banchongkit
Supervisor
ทะเบียนเลขที่ ว-323-จ-9445

Approved by

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. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

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: 2447666
Date Received : May 03, 2024
Date Reported : May 08, 2024
Report Number : 2977025-2

Sample Number	2447666-1
Sampled Date	May 03, 2024 10:32 AM
Sample Description	Wastewater
Location	บริษัท ฮามาตั้น (ประเทศไทย) จำกัด
Date Analysis Commenced	May 04, 2024
Condition of Sample	Contained in one amber glass bottle and three plastic bottles. Sample containers comply to pretreatment - preservation standards (APHA / USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
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 : Chainusorn Lertnanthakunchai ทะเบียนเลขที่ ว-323-จ-9461 , Samart Khumphlee ทะเบียนเลขที่ ว-204-จ-0084

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

Technical Management

Siriluk Bunnak
Section Head
ทะเบียนเลขที่ ว-204-จ-0013

Approved by

Kanokkorn Anek
Senior Manager
ทะเบียนเลขที่ ว-204-ค-0004

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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
P/O :
Project Name : โครงการสวนอุตสาหกรรมปลวกแดง (โรจนะปลวกแดง/ระยอง2)
Project Location: Factory

Lot ID: 2458364
Date Received : Jun 04, 2024
Date Reported : Jun 11, 2024
Report Number : 3000606-1

Sample Number	2458364-1
Sampled Date	Jun 04, 2024 11:40 AM
Sample Description	Wastewater
Location	บริษัท กัลฟ์ พีดี จำกัด : GULF PD COMPANY LIMITED.
Date Analysis Commenced	Jun 04, 2024
Condition of Sample	Contained in one amber glass bottle and three plastic bottles. Sample containers comply to pretreatment - preservation standards (APHA / USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	<2.0	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O 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	984	≤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 : Sansoen Khuiyoksui ทะเบียนเลขที่ ว-323-จ-0005 , Pattarapol Sawangjaitam ทะเบียนเลขที่ ว-204-จ-0002

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

Thanita Kulsuriwong
Scientist (4)
ทะเบียนเลขที่ ว-323-จ-9447

Approved by

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: 2458364
Date Received : Jun 04, 2024
Date Reported : Jun 08, 2024
Report Number : 3000606-2

Sample Number	2458364-1
Sampled Date	Jun 04, 2024 11:40 AM
Sample Description	Wastewater
Location	บริษัท กัลฟ์ พีดี จำกัด : GULF PD COMPANY LIMITED.
Date Analysis Commenced	Jun 05, 2024
Condition of Sample	Contained in one amber glass bottle and three plastic bottles. Sample containers comply to pretreatment - preservation standards (APHA / USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
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 : Sansoen Khuiyoksui ทะเบียนเลขที ว-323-จ-0005 , Pattarapol Sawangjaitam ทะเบียนเลขที ว-204-จ-0002

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

Technical Management

Suwimon Chairuangwut
Scientist (3)
ทะเบียนเลขที่ ว-204-จ-0018

Approved by

Kanokkorn Anek
Senior Manager
ทะเบียนเลขที่ ว-204-ค-0004

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ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

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
P/O :
Project Name : โครงการสวนอุตสาหกรรมปลวกแดง (โรจนะปลวกแดง/ระยอง2)
Project Location: Factory

Lot ID: 2458365
Date Received : Jun 04, 2024
Date Reported : Jun 11, 2024
Report Number : 3000612-1

Sample Number	2458365-1
Sampled Date	Jun 04, 2024 11:05 AM
Sample Description	Wastewater
Location	บริษัท วีอีเอ็ม (ไทยแลนด์) จำกัด โรงงาน 1 จุดที่ 1 : VEM (THAILAND) CO., LTD.
Date Analysis Commenced	Jun 04, 2024
Condition of Sample	Contained in one amber glass bottle and three plastic bottles. Sample containers comply to pretreatment - preservation standards (APHA / USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	23.8	≤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	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		-	-	7.7	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	552	≤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	18.1	≤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	18	≤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 : Sansoen Khuiyoksui ทะเบียนเลขที่ ว-323-จ-0005 , 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

Thanita Kulsuriwong
Scientist (4)
ทะเบียนเลขที่ ว-323-จ-9447

Approved by

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: 2458365
Date Received : Jun 04, 2024
Date Reported : Jun 08, 2024
Report Number : 3000612-2

Sample Number	2458365-1
Sampled Date	Jun 04, 2024 11:05 AM
Sample Description	Wastewater
Location	บริษัท วีอีเอ็ม (ไทยแลนด์) จำกัด โรงงาน 1 จุดที่ 1 : VEM (THAILAND) CO., LTD.
Date Analysis Commenced	Jun 05, 2024
Condition of Sample	Contained in one amber glass bottle and three plastic bottles. Sample containers comply to pretreatment - preservation standards (APHA / USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
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 : Sansoen Khuiyoksui ทะเบียนเลขที ว-323-จ-0005 , Pattarapol Sawangjaitam ทะเบียนเลขที ว-204-จ-0002

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

Technical Management

Suwimon Chairuangwut
Scientist (3)
ทะเบียนเลขที ว-204-จ-0018

Approved by

Kanokkorn Anek
Senior Manager
ทะเบียนเลขที ว-204-ค-0004

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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
P/O :
Project Name : โครงการสวนอุตสาหกรรมปลวกแดง (โรจนะปลวกแดง/ระยอง2)
Project Location : Factory

Lot ID: 2458366
Date Received : Jun 04, 2024
Date Reported : Jun 11, 2024
Report Number : 3000615-1

Sample Number	2458366-1
Sampled Date	Jun 04, 2024 10:55 AM
Sample Description	Wastewater
Location	บริษัท เซล อินดัสทรี (ไทยแลนด์) จำกัด : SAIL INDUSTRY (THAILAND) CO.,LTD.
Date Analysis Commenced	Jun 04, 2024
Condition of Sample	Contained in one amber glass bottle and three plastic bottles. Sample containers comply to pretreatment - preservation standards (APHA / USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	14.3	≤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	70	≤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	664	≤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	19.6	≤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 : Sansoen Khuiyoksui ทะเบียนเลขที่ ว-323-จ-0005 , Pattarapol Sawangjaitam ทะเบียนเลขที่ ว-204-จ-0002

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

Thanita Kulsuriwong
Scientist (4)
ทะเบียนเลขที่ ว-323-จ-9447

Approved by

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: 2458366
Date Received : Jun 04, 2024
Date Reported : Jun 08, 2024
Report Number : 3000615-2

Sample Number	2458366-1
Sampled Date	Jun 04, 2024 10:55 AM
Sample Description	Wastewater
Location	บริษัท เซล อินดัสทรี (ไทยแลนด์) จำกัด : SAIL INDUSTRY (THAILAND) CO.,LTD.
Date Analysis Commenced	Jun 05, 2024
Condition of Sample	Contained in one amber glass bottle and three plastic bottles. Sample containers comply to pretreatment - preservation standards (APHA / USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
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 : Sansoen Khuiyoksui ทะเบียนเลขที ว-323-จ-0005 , Pattarapol Sawangjaitam ทะเบียนเลขที ว-204-จ-0002

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

Technical Management

Suwimon Chairuangwut
Scientist (3)
ทะเบียนเลขที่ ว-204-จ-0018

Approved by

Kanokkorn Anek
Senior Manager
ทะเบียนเลขที่ ว-204-ค-0004

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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
P/O :
Project Name : โครงการสวนอุตสาหกรรมปลวกแดง (โรจนะปลวกแดง/ระยอง2)
Project Location : Factory

Lot ID: 2458367
Date Received : Jun 04, 2024
Date Reported : Jun 11, 2024
Report Number : 3000617-1

Sample Number	2458367-1
Sampled Date	Jun 04, 2024 9:50 AM
Sample Description	Wastewater
Location	บริษัท กีลอง (ประเทศไทย) จำกัด (จุดที่ 1) : GEELONG (THAILAND) CO.,LTD.
Date Analysis Commenced	Jun 04, 2024
Condition of Sample	Contained in one amber glass bottle and three plastic bottles. Sample containers comply to pretreatment - preservation standards (APHA / USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	51.8	≤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	174	≤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	800	≤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	15.2	≤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	43	≤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 : Sansoen Khuiyoksui ทะเบียนเลขที่ ว-323-จ-0005 , Pattarapol Sawangjaitam ทะเบียนเลขที่ ว-204-จ-0002

Remark :
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Technical Management

Thanita Kulsuriwong
Scientist (4)
ทะเบียนเลขที่ ว-323-จ-9447

Approved by

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: 2458367
Date Received : Jun 04, 2024
Date Reported : Jun 08, 2024
Report Number : 3000617-2

Sample Number	2458367-1
Sampled Date	Jun 04, 2024 9:50 AM
Sample Description	Wastewater
Location	บริษัท กีลอง (ประเทศไทย) จำกัด (จุดที่ 1) : GEELONG (THAILAND) CO.,LTD.
Date Analysis Commenced	Jun 05, 2024
Condition of Sample	Contained in one amber glass bottle and three plastic bottles. Sample containers comply to pretreatment - preservation standards (APHA / USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Oil & Grease	mg/L	-	3	20	≤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 : Sansoen Khuiyoksui ทะเบียนเลขที ว-323-จ-0005 , Pattarapol Sawangjaitam ทะเบียนเลขที ว-204-จ-0002

Remark :
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Technical Management

Suwimon Chairuangwut
Scientist (3)
ทะเบียนเลขที่ ว-204-จ-0018

Approved by

Kanokkorn Anek
Senior Manager
ทะเบียนเลขที่ ว-204-ค-0004

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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
P/O :
Project Name : โครงการสวนอุตสาหกรรมปลวกแดง (โรจนะปลวกแดง/ระยอง2)
Project Location : Factory

Lot ID: 2458368
Date Received : Jun 04, 2024
Date Reported : Jun 11, 2024
Report Number : 3000622-1

Sample Number	2458368-1
Sampled Date	Jun 04, 2024 9:55 AM
Sample Description	Wastewater
Location	บริษัท กีลอง (ประเทศไทย) จำกัด (จุดที่ 2) : GEELONG (THAILAND) CO.,LTD.
Date Analysis Commenced	Jun 04, 2024
Condition of Sample	Contained in one amber glass bottle and three plastic bottles. Sample containers comply to pretreatment - preservation standards (APHA / USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	40.8	≤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	142	≤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	580	≤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	95.4	≤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	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 : Sansoen Khuiyoksui ทะเบียนเลขที่ ว-323-จ-0005 , Pattarapol Sawangjaitam ทะเบียนเลขที่ ว-204-จ-0002

Remark :
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Technical Management

Thanita Kulsuriwong
Scientist (4)
ทะเบียนเลขที่ ว-323-จ-9447

Approved by

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: 2458368
Date Received : Jun 04, 2024
Date Reported : Jun 08, 2024
Report Number : 3000622-2

Sample Number	2458368-1
Sampled Date	Jun 04, 2024 9:55 AM
Sample Description	Wastewater
Location	บริษัท กีลอง (ประเทศไทย) จำกัด (จุดที่ 2) : GEELONG (THAILAND) CO.,LTD.
Date Analysis Commenced	Jun 05, 2024
Condition of Sample	Contained in one amber glass bottle and three plastic bottles. Sample containers comply to pretreatment - preservation standards (APHA / USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
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 : Sansoen Khuiyoksui ทะเบียนเลขที ว-323-จ-0005 , Pattarapol Sawangjaitam ทะเบียนเลขที ว-204-จ-0002

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

Technical Management

Suwimon Chairuangwut
Scientist (3)
ทะเบียนเลขที่ ว-204-จ-0018

Approved by

Kanokkorn Anek
Senior Manager
ทะเบียนเลขที่ ว-204-ค-0004

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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
P/O :
Project Name : โครงการสวนอุตสาหกรรมปลวกแดง (โรจนะปลวกแดง/ระยอง2)
Project Location: Factory

Lot ID: 2458369
Date Received : Jun 04, 2024
Date Reported : Jun 11, 2024
Report Number : 3000626-1

Sample Number	2458369-1
Sampled Date	Jun 04, 2024 10:25 AM
Sample Description	Wastewater
Location	บริษัท ซีลแมกซ์ ซีลลิ่ง โซลูชั่น จำกัด : SILMAX SEALING SOLUTION CO.,LTD.
Date Analysis Commenced	Jun 04, 2024
Condition of Sample	Contained in one amber glass bottle and three plastic bottles. Sample containers comply to pretreatment - preservation standards (APHA / USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	114	≤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	254	≤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	600	≤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	86.3	≤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 : Sansoen Khuiyoksui ทะเบียนเลขที่ ว-323-จ-0005 , Pattarapol Sawangjaitam ทะเบียนเลขที่ ว-204-จ-0002

Remark :
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Technical Management

Thanita Kulsuriwong
Scientist (4)
ทะเบียนเลขที่ ว-323-จ-9447

Approved by

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: 2458369
Date Received : Jun 04, 2024
Date Reported : Jun 08, 2024
Report Number : 3000626-2

Sample Number	2458369-1
Sampled Date	Jun 04, 2024 10:25 AM
Sample Description	Wastewater
Location	บริษัท ซีลแมกซ์ ซีลลิ่ง โซลูชั่น จำกัด : SILMAX SEALING SOLUTION CO.,LTD.
Date Analysis Commenced	Jun 05, 2024
Condition of Sample	Contained in one amber glass bottle and three plastic bottles. Sample containers comply to pretreatment - preservation standards (APHA / USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
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 : Sansoen Khuiyoksui ทะเบียนเลขที ว-323-จ-0005 , Pattarapol Sawangjaitam ทะเบียนเลขที ว-204-จ-0002

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

Technical Management

Suwimon Chairuangwut
Scientist (3)
ทะเบียนเลขที่ ว-204-จ-0018

Approved by

Kanokkorn Anek
Senior Manager
ทะเบียนเลขที่ ว-204-ค-0004

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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
P/O :
Project Name : โครงการสวนอุตสาหกรรมปลวกแดง (โรจนะปลวกแดง/ระยอง2)
Project Location: Factory

Lot ID: 2458370
Date Received : Jun 04, 2024
Date Reported : Jun 11, 2024
Report Number : 3000628-1

Sample Number	2458370-1
Sampled Date	Jun 04, 2024 10:15 AM
Sample Description	Wastewater
Location	บริษัท เทียนกุง พรีซิชั่น ทูลส์ (ประเทศไทย) จำกัด : TIANGONG PRECISION TOOLS (THAILAND) CO.,LTD.
Date Analysis Commenced	Jun 04, 2024
Condition of Sample	Contained in one amber glass bottle and three plastic bottles. Sample containers comply to pretreatment - preservation standards (APHA / USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	448	≤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	1182	≤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	2120	≤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	142	≤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	44	≤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 : Sansoen Khuiyoksui ทะเบียนเลขที่ ว-323-จ-0005 , Pattarapol Sawangjaitam ทะเบียนเลขที่ ว-204-จ-0002

Remark :
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Technical Management

Thanita Kulsuriwong
Scientist (4)
ทะเบียนเลขที่ ว-323-จ-9447

Approved by

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: 2458370
Date Received : Jun 04, 2024
Date Reported : Jun 08, 2024
Report Number : 3000628-2

Sample Number	2458370-1
Sampled Date	Jun 04, 2024 10:15 AM
Sample Description	Wastewater
Location	บริษัท เทียนกุง พรีซิชั่น ทูลส์ (ประเทศไทย) จำกัด : TIANGONG PRECISION TOOLS (THAILAND) CO.,LTD.
Date Analysis Commenced	Jun 05, 2024
Condition of Sample	Contained in one amber glass bottle and three plastic bottles. Sample containers comply to pretreatment - preservation standards (APHA / USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
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 : Sansoen Khuiyoksui ทะเบียนเลขที ว-323-จ-0005 , Pattarapol Sawangjaitam ทะเบียนเลขที ว-204-จ-0002

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

Technical Management

Suwimon Chairuangwut
Scientist (3)
ทะเบียนเลขที่ ว-204-จ-0018

Approved by

Kanokkorn Anek
Senior Manager
ทะเบียนเลขที่ ว-204-ค-0004

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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
P/O :
Project Name : โครงการสวนอุตสาหกรรมปลวกแดง (โรจนะปลวกแดง/ระยอง2)
Project Location: Factory

Lot ID: 2458371
Date Received : Jun 04, 2024
Date Reported : Jun 11, 2024
Report Number : 3000633-1

Sample Number	2458371-1
Sampled Date	Jun 04, 2024 11:08 AM
Sample Description	Wastewater
Location	บริษัท วีอีเอ็ม (ไทยแลนด์) จำกัด โรงงาน 1 จุดที่ 2 : VEM (THAILAND) CO., LTD.
Date Analysis Commenced	Jun 04, 2024
Condition of Sample	Contained in one amber glass bottle and three plastic bottles. Sample containers comply to pretreatment - preservation standards (APHA / USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	58.5	≤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	180	≤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	604	≤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	86.6	≤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	67	≤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 : Sansoen Khuiyoksui ทะเบียนเลขที่ ว-323-จ-0005 , Pattarapol Sawangjaitam ทะเบียนเลขที่ ว-204-จ-0002

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

Thanita Kulsuriwong
Scientist (4)
ทะเบียนเลขที่ ว-323-จ-9447

Approved by

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. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

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: 2458371
Date Received : Jun 04, 2024
Date Reported : Jun 08, 2024
Report Number : 3000633-2

Sample Number	2458371-1
Sampled Date	Jun 04, 2024 11:08 AM
Sample Description	Wastewater
Location	บริษัท วีอีเอ็ม (ไทยแลนด์) จำกัด โรงงาน 1 จุดที่ 2 : VEM (THAILAND) CO., LTD.
Date Analysis Commenced	Jun 05, 2024
Condition of Sample	Contained in one amber glass bottle and three plastic bottles. Sample containers comply to pretreatment - preservation standards (APHA / USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
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 : Sansoen Khuiyoksui ทะเบียนเลขที ว-323-จ-0005 , Pattarapol Sawangjaitam ทะเบียนเลขที ว-204-จ-0002

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

Technical Management

Suwimon Chairuangwut
Scientist (3)
ทะเบียนเลขที่ ว-204-จ-0018

Approved by

Kanokkorn Anek
Senior Manager
ทะเบียนเลขที่ ว-204-ค-0004

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.0042

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: 2458372
Date Received : Jun 04, 2024
Date Reported : Jun 11, 2024
Report Number : 3000646-1

Sample Number	2458372-1
Sampled Date	Jun 04, 2024 11:15 AM
Sample Description	Wastewater
Location	บริษัท วีอีเอ็ม (ไทยแลนด์) จำกัด โรงงาน 2 : VEM (THAILAND) CO., LTD.
Date Analysis Commenced	Jun 04, 2024
Condition of Sample	Contained in one amber glass bottle and three plastic bottles. Sample containers comply to pretreatment - preservation standards (APHA / USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	62.2	≤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	167	≤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	656	≤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	74.1	≤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	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 : Sansoen Khuiyoksui ทะเบียนเลขที่ ว-323-จ-0005 , 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

Thanita Kulsuriwong
Scientist (4)
ทะเบียนเลขที่ ว-323-จ-9447

Approved by

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: 2458372
Date Received : Jun 04, 2024
Date Reported : Jun 08, 2024
Report Number : 3000646-2

Sample Number	2458372-1
Sampled Date	Jun 04, 2024 11:15 AM
Sample Description	Wastewater
Location	บริษัท วีอีเอ็ม (ไทยแลนด์) จำกัด โรงงาน 2 : VEM (THAILAND) CO., LTD.
Date Analysis Commenced	Jun 05, 2024
Condition of Sample	Contained in one amber glass bottle and three plastic bottles. Sample containers comply to pretreatment - preservation standards (APHA / USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
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 : Sansoen Khuiyoksui ทะเบียนเลขที ว-323-จ-0005 , Pattarapol Sawangjaitam ทะเบียนเลขที ว-204-จ-0002

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

Technical Management

Suwimon Chairuangwut
Scientist (3)
ทะเบียนเลขที่ ว-204-จ-0018

Approved by

Kanokkorn Anek
Senior Manager
ทะเบียนเลขที่ ว-204-ค-0004

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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
P/O :
Project Name : โครงการสวนอุตสาหกรรมปลวกแดง (โรจนะปลวกแดง/ระยอง2)
Project Location: Factory

Lot ID: 2458373
Date Received : Jun 04, 2024
Date Reported : Jun 11, 2024
Report Number : 3000655-1

Sample Number	2458373-1
Sampled Date	Jun 04, 2024 10:35 AM
Sample Description	Wastewater
Location	บริษัท ฮามาตั้น (ประเทศไทย) จำกัด
Date Analysis Commenced	Jun 04, 2024
Condition of Sample	Contained in one amber glass bottle and three plastic bottles. Sample containers comply to pretreatment - preservation standards (APHA / USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	29.2	≤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	93	≤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	488	≤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	55.7	≤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	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 : Sansoen Khuiyoksui ทะเบียนเลขที่ ว-323-จ-0005 , 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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Technical Management

Thanita Kulsuriwong
Scientist (4)
ทะเบียนเลขที่ ว-323-จ-9447

Approved by

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: 2458373
Date Received : Jun 04, 2024
Date Reported : Jun 08, 2024
Report Number : 3000655-2

Sample Number	2458373-1
Sampled Date	Jun 04, 2024 10:35 AM
Sample Description	Wastewater
Location	บริษัท ฮามาตั้น (ประเทศไทย) จำกัด
Date Analysis Commenced	Jun 05, 2024
Condition of Sample	Contained in one amber glass bottle and three plastic bottles. Sample containers comply to pretreatment - preservation standards (APHA / USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Oil & Grease	mg/L	-	3	16	≤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 : Sansoen Khuiyoksui ทะเบียนเลขที ว-323-จ-0005 , Pattarapol Sawangjaitam ทะเบียนเลขที ว-204-จ-0002

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

Technical Management



Suwimon Chairuangwut
Scientist (3)
ทะเบียนเลขที่ ว-204-จ-0018

Approved by



Kanokkorn Anek
Senior Manager
ทะเบียนเลขที่ ว-204-ค-0004

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ภาคผนวก ค-04

คุณภาพน้ำผิวดิน

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)-018/66
Project Name : Pluak Daeng
Project Location :

Lot ID: 2422529
Date Received : Mar 27, 2024
Date Reported : Apr 03, 2024
Report Number : 2920744-1

Sample Number	2422529-1
Sampled Date	Mar 27, 2024 11:44 AM
Sample Description	Surface Water
Location	หัวยภูไทรก่อนจุดระบายน้ำทิ้งที่ 1 ของโครงการ ระยะห่างประมาณ 500 เมตร (SW1)
Date Analysis Commenced	Mar 27, 2024
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
Metals Testing								
[A] Aluminium	mg/L	0.003	0.005	25.4	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
[A] 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
[A] 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
[A] 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
[A] 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
[A] 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
[A] Mercury	mg/L	0.0001	0.0005	<0.0005	≤0.002	≤0.002	In-house method : STM 05-007 based on United States Environmental Protection Agency, 2002, EPA Method 1631, Revision E	Bangkok
[A] 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

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Approved by

Narumon Banchongkit
Supervisor

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)-018/66
Project Name : Pluak Daeng
Project Location :

Lot ID: 2422529
Date Received : Mar 27, 2024
Date Reported : Apr 03, 2024
Report Number : 2920744-1

Sample Number	2422529-1
Sampled Date	Mar 27, 2024 11:44 AM
Sample Description	Surface Water
Location	หัวยภูไทรก่อนจุดระบายน้ำทิ้งที่ 1 ของโครงการ ระยะห่างประมาณ 500 เมตร (SW1)
Date Analysis Commenced	Mar 27, 2024
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
Metals Testing								
[A] 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
[A] 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
Microbiological Testing								
[A] Fecal Coliform	MPN/100mL	-	-	33000.0	≤4000	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B, E	Bangkok
[A] 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
Water Testing								
Ammonia Nitrogen *	mg/L	0.02	0.05	3.66	≤0.5	≤0.5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-NH3 (F)	Rayong
BOD (5 days at 20 Degree C) *	mg/L	-	2.0	7.4	≤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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Approved by

Narumon Banchongkit
Supervisor

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)-018/66
Project Name : Pluak Daeng
Project Location :

Lot ID: 2422529
Date Received : Mar 27, 2024
Date Reported : Apr 03, 2024
Report Number : 2920744-1

Sample Number	2422529-1
Sampled Date	Mar 27, 2024 11:44 AM
Sample Description	Surface Water
Location	หัวยภูไทรก่อนจุดระบายน้ำทิ้งที่ 1 ของโครงการ ระยะห่างประมาณ 500 เมตร (SW1)
Date Analysis Commenced	Mar 27, 2024
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
Water Testing								
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	2.58	≤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	0.003	≤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 Gazettle, 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 Gazettle, 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 : Pitthaya Thongtaeng ทะเบียนเลขที ว-323-จ-9448 , Pattarapol Sawangjaitam ทะเบียนเลขที 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.
-
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Narumon Banchongkit
Supervisor

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)-018/66
Project Name : Pluak Daeng
Project Location :

Lot ID: 2422529
Date Received : Mar 27, 2024
Date Reported : Apr 03, 2024
Report Number : 2920744-1

Sample Number	2422529-2
Sampled Date	Mar 27, 2024 11:24 AM
Sample Description	Surface Water
Location	หัวยภูไทรก่อนจุดระบายน้ำทิ้งที่ 1 ของโครงการ (SW2)
Date Analysis Commenced	Mar 27, 2024
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
Metals Testing								
[A] Aluminium	mg/L	0.003	0.005	30.0	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
[A] Arsenic	mg/L	0.0003	0.0005	0.03	≤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
[A] 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
[A] 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
[A] 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
[A] Lead	mg/L	0.0003	0.0005	0.09	≤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
[A] Mercury	mg/L	0.0001	0.0005	<0.0005	≤0.002	≤0.002	In-house method : STM 05-007 based on United States Environmental Protection Agency, 2002, EPA Method 1631, Revision E	Bangkok
[A] 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

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Narumon Banchongkit
Supervisor

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)-018/66
Project Name : Pluak Daeng
Project Location :

Lot ID: 2422529
Date Received : Mar 27, 2024
Date Reported : Apr 03, 2024
Report Number : 2920744-1

Sample Number	2422529-2
Sampled Date	Mar 27, 2024 11:24 AM
Sample Description	Surface Water
Location	หัวยภูไทรก่อนจุดระบายน้ำทิ้งที่ 1 ของโครงการ (SW2)
Date Analysis Commenced	Mar 27, 2024
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
Metals Testing								
[A] 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	0.04	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
[A] Zinc	mg/L	0.003	0.005	0.10	≤1	≤1	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Microbiological Testing								
[A] 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
[A] Total Coliform	MPN/100mL	-	-	130000.0	≤20000	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B	Bangkok
Water Testing								
Ammonia Nitrogen *	mg/L	0.02	0.05	3.55	≤0.5	≤0.5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-NH3 (F)	Rayong
BOD (5 days at 20 Degree C) *	mg/L	-	2.0	7.7	≤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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Supervisor

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)-018/66
Project Name : Pluak Daeng
Project Location :

Lot ID: 2422529
Date Received : Mar 27, 2024
Date Reported : Apr 03, 2024
Report Number : 2920744-1

Sample Number	2422529-2
Sampled Date	Mar 27, 2024 11:24 AM
Sample Description	Surface Water
Location	หัวยภูไทรก่อนจุดระบายน้ำทิ้งที่ 1 ของโครงการ (SW2)
Date Analysis Commenced	Mar 27, 2024
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
Water Testing								
Dissolved Oxygen *	mg/L	-	0.1	4.6	≥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	2.27	≤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	0.002	≤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 Gazettle, 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 Gazettle, 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 : Pitthaya Thongtaeng ทะเบียนเลขที ว-323-จ-9448 , Pattarapol Sawangjaitam ทะเบียนเลขที 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.
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- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

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Narumon Banchongkit
Supervisor

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)-018/66
Project Name : Pluak Daeng
Project Location :

Lot ID: 2422529
Date Received : Mar 27, 2024
Date Reported : Apr 03, 2024
Report Number : 2920744-1

Sample Number	2422529-3
Sampled Date	Mar 27, 2024 11:09 AM
Sample Description	Surface Water
Location	หัวยภูไทรจุดระบายน้ำทิ้งที่ 2 ของโครงการ (SW3)
Date Analysis Commenced	Mar 27, 2024
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
Metals Testing								
[A] Aluminium	mg/L	0.003	0.005	5.06	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
[A] 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
[A] 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
[A] 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
[A] 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
[A] 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
[A] 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
[A] Nickel	mg/L	0.0003	0.0005	0.009	≤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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Narumon Banchongkit
Supervisor

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)-018/66
Project Name : Pluak Daeng
Project Location :

Lot ID: 2422529
Date Received : Mar 27, 2024
Date Reported : Apr 03, 2024
Report Number : 2920744-1

Sample Number	2422529-3
Sampled Date	Mar 27, 2024 11:09 AM
Sample Description	Surface Water
Location	หัวยภูไทรจุดระบายน้ำทิ้งที่ 2 ของโครงการ (SW3)
Date Analysis Commenced	Mar 27, 2024
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
Metals Testing								
[A] 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
[A] 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
Microbiological Testing								
[A] 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
[A] 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
Water Testing								
Ammonia Nitrogen *	mg/L	0.02	0.05	1.46	≤0.5	≤0.5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-NH3 (F)	Rayong
BOD (5 days at 20 Degree C) *	mg/L	-	2.0	7.8	≤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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Narumon Banchongkit
Supervisor

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)-018/66
Project Name : Pluak Daeng
Project Location :

Lot ID: 2422529
Date Received : Mar 27, 2024
Date Reported : Apr 03, 2024
Report Number : 2920744-1

Sample Number	2422529-3
Sampled Date	Mar 27, 2024 11:09 AM
Sample Description	Surface Water
Location	หัวยภูไทรจุดระบายน้ำทิ้งที่ 2 ของโครงการ (SW3)
Date Analysis Commenced	Mar 27, 2024
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
Water Testing								
Dissolved Oxygen *	mg/L	-	0.1	4.2	≥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	1.75	≤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	0.001	≤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	-	-	30.8	(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 Gazettle, 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 Gazettle, 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 : Pitthaya Thongtaeng ทะเบียนเลขที ว-323-จ-9448 , Pattarapol Sawangjaitam ทะเบียนเลขที 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.
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- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

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Narumon Banchongkit
Supervisor

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)-018/66
Project Name : Pluak Daeng
Project Location :

Lot ID: 2422529
Date Received : Mar 27, 2024
Date Reported : Apr 03, 2024
Report Number : 2920744-1

Sample Number	2422529-4
Sampled Date	Mar 27, 2024 10:48 AM
Sample Description	Surface Water
Location	ห้วยภูไทรหลังจุดระบายน้ำทิ้งที่ 2 ของโครงการระยะห่างประมาณ 500 เมตร (SW4)
Date Analysis Commenced	Mar 27, 2024
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
Metals Testing								
[A] Aluminium	mg/L	0.003	0.005	4.52	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
[A] 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
[A] 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
[A] 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
[A] 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
[A] 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
[A] 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
[A] 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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Narumon Banchongkit
Supervisor

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)-018/66
Project Name : Pluak Daeng
Project Location :

Lot ID: 2422529
Date Received : Mar 27, 2024
Date Reported : Apr 03, 2024
Report Number : 2920744-1

Sample Number	2422529-4
Sampled Date	Mar 27, 2024 10:48 AM
Sample Description	Surface Water
Location	หัวยภูไทรหลังจุดระบายน้ำทิ้งที่ 2 ของโครงการระยะห่างประมาณ 500 เมตร (SW4)
Date Analysis Commenced	Mar 27, 2024
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
Metals Testing								
[A] Silver	mg/L	0.0003	0.0005	0.001	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
[A] 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
Microbiological Testing								
[A] Fecal Coliform	MPN/100mL	-	-	2400.0	≤4000	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B, E	Bangkok
[A] 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
Water Testing								
Ammonia Nitrogen *	mg/L	0.02	0.05	1.20	≤0.5	≤0.5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-NH3 (F)	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

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.

Approved by

Narumon Banchongkit
Supervisor

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)-018/66
Project Name : Pluak Daeng
Project Location :

Lot ID: 2422529
Date Received : Mar 27, 2024
Date Reported : Apr 03, 2024
Report Number : 2920744-1

Sample Number	2422529-4
Sampled Date	Mar 27, 2024 10:48 AM
Sample Description	Surface Water
Location	หัวยภูไทรหลังจุดระบายน้ำทิ้งที่ 2 ของโครงการระยะห่างประมาณ 500 เมตร (SW4)
Date Analysis Commenced	Mar 27, 2024
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
Water Testing								
Dissolved Oxygen *	mg/L	-	0.1	3.9	≥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	2.48	≤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	0.003	≤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	-	-	31.2	(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 Gazettle, 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 Gazettle, 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 : Pitthaya Thongtaeng ทะเบียนเลขที ว-323-จ-9448 , Pattarapol Sawangjaitam ทะเบียนเลขที 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.

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Approved by

Narumon Banchongkit
Supervisor

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)-018/66
Project Name : Pluak Daeng
Project Location :

Lot ID: 2448814
Date Received : May 14, 2024
Date Reported : May 21, 2024
Report Number : 2979294-1

Sample Number	2448814-1
Sampled Date	May 14, 2024 10:45 AM
Sample Description	Surface Water
Location	หัวยภูไทรก่อนจุดระบายน้ำทิ้งที่ 1 ของโครงการ ระยะห่างประมาณ 500 เมตร (SW1)
Date Analysis Commenced	May 14, 2024
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
Metals Testing								
[A] Aluminium	mg/L	0.003	0.005	3.31	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
[A] 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
[A] 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
[A] 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
[A] 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
[A] 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
[A] 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
[A] 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

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Approved by

Photchana S.

Photchana Seeda
Scientist (4)

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)-018/66
Project Name : Pluak Daeng
Project Location :

Lot ID: 2448814
Date Received : May 14, 2024
Date Reported : May 21, 2024
Report Number : 2979294-1

Sample Number	2448814-1
Sampled Date	May 14, 2024 10:45 AM
Sample Description	Surface Water
Location	หัวยภูไทรก่อนจุดระบายน้ำทิ้งที่ 1 ของโครงการ ระยะห่างประมาณ 500 เมตร (SW1)
Date Analysis Commenced	May 14, 2024
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
Metals Testing								
[A] 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
[A] 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
Microbiological Testing								
[A] 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
[A] Total Coliform	MPN/100mL	-	-	17000.0	≤20000	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B	Bangkok
Water Testing								
Ammonia Nitrogen *	mg/L	0.02	0.05	4.05	≤0.5	≤0.5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-NH3 (F)	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

Photchana Seeda
Scientist (4)

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)-018/66
Project Name : Pluak Daeng
Project Location :

Lot ID: 2448814
Date Received : May 14, 2024
Date Reported : May 21, 2024
Report Number : 2979294-1

Sample Number	2448814-1
Sampled Date	May 14, 2024 10:45 AM
Sample Description	Surface Water
Location	หัวยภูไทรก่อนจุดระบายน้ำทิ้งที่ 1 ของโครงการ ระยะห่างประมาณ 500 เมตร (SW1)
Date Analysis Commenced	May 14, 2024
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
Water Testing								
Dissolved Oxygen *	mg/L	-	0.1	4.9	≥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	2.23	≤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	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	0.002	≤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	-	-	30.5	(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 Gazettle, 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 Gazettle, 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 , 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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Photchana S.

Photchana Seeda
Scientist (4)

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)-018/66
Project Name : Pluak Daeng
Project Location :

Lot ID: 2448814
Date Received : May 14, 2024
Date Reported : May 21, 2024
Report Number : 2979294-1

Sample Number	2448814-2
Sampled Date	May 14, 2024 10:16 AM
Sample Description	Surface Water
Location	หัวยภูไทรก่อนจุดระบายน้ำทิ้งที่ 1 ของโครงการ (SW2)
Date Analysis Commenced	May 14, 2024
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
Metals Testing								
[A] Aluminium	mg/L	0.003	0.005	3.66	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
[A] 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
[A] 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
[A] 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
[A] 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
[A] 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
[A] 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
[A] 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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Approved by

Photchana Seeda
Scientist (4)

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)-018/66
Project Name : Pluak Daeng
Project Location :

Lot ID: 2448814
Date Received : May 14, 2024
Date Reported : May 21, 2024
Report Number : 2979294-1

Sample Number	2448814-2
Sampled Date	May 14, 2024 10:16 AM
Sample Description	Surface Water
Location	หัวยภูไทรก่อนจุดระบายน้ำทิ้งที่ 1 ของโครงการ (SW2)
Date Analysis Commenced	May 14, 2024
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
Metals Testing								
[A] 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
[A] 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
Microbiological Testing								
[A] Fecal Coliform	MPN/100mL	-	-	33000.0	≤4000	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B, E	Bangkok
[A] Total Coliform	MPN/100mL	-	-	330000.0	≤20000	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B	Bangkok
Water Testing								
Ammonia Nitrogen *	mg/L	0.02	0.05	3.60	≤0.5	≤0.5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-NH3 (F)	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

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.

Approved by

Photchana S.

Photchana Seeda
Scientist (4)

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)-018/66
Project Name : Pluak Daeng
Project Location :

Lot ID: 2448814
Date Received : May 14, 2024
Date Reported : May 21, 2024
Report Number : 2979294-1

Sample Number	2448814-2
Sampled Date	May 14, 2024 10:16 AM
Sample Description	Surface Water
Location	หัวยภูไทรก่อนจุดระบายน้ำทิ้งที่ 1 ของโครงการ (SW2)
Date Analysis Commenced	May 14, 2024
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
Water Testing								
Dissolved Oxygen *	mg/L	-	0.1	4.3	≥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	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	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	0.003	≤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 Gazettle, 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 Gazettle, 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 , 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.
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- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

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Approved by

Photchana S.

Photchana Seeda
Scientist (4)

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)-018/66
Project Name : Pluak Daeng
Project Location :

Lot ID: 2448814
Date Received : May 14, 2024
Date Reported : May 21, 2024
Report Number : 2979294-1

Sample Number	2448814-3
Sampled Date	May 14, 2024 9:30 AM
Sample Description	Surface Water
Location	หัวยภูไทรจุดระบายน้ำทิ้งที่ 2 ของโครงการ (SW3)
Date Analysis Commenced	May 14, 2024
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
Metals Testing								
[A] Aluminium	mg/L	0.003	0.005	3.20	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
[A] 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
[A] 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
[A] 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
[A] 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
[A] Lead	mg/L	0.0003	0.0005	0.008	≤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
[A] 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
[A] 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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Approved by

Photchana Seeda
Scientist (4)

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)-018/66
Project Name : Pluak Daeng
Project Location :

Lot ID: 2448814
Date Received : May 14, 2024
Date Reported : May 21, 2024
Report Number : 2979294-1

Sample Number	2448814-3
Sampled Date	May 14, 2024 9:30 AM
Sample Description	Surface Water
Location	หัวยภูไทรจุดระบายน้ำทิ้งที่ 2 ของโครงการ (SW3)
Date Analysis Commenced	May 14, 2024
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
Metals Testing								
[A] 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
[A] 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
Microbiological Testing								
[A] 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
[A] 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
Water Testing								
Ammonia Nitrogen *	mg/L	0.02	0.05	1.76	≤0.5	≤0.5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-NH3 (F)	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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Photchana Seeda
Scientist (4)

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)-018/66
Project Name : Pluak Daeng
Project Location :

Lot ID: 2448814
Date Received : May 14, 2024
Date Reported : May 21, 2024
Report Number : 2979294-1

Sample Number	2448814-3
Sampled Date	May 14, 2024 9:30 AM
Sample Description	Surface Water
Location	หัวยภูไทรจุดระบายน้ำทิ้งที่ 2 ของโครงการ (SW3)
Date Analysis Commenced	May 14, 2024
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
Water Testing								
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	1.82	≤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		-	-	7.5	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	0.001	≤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 Gazettle, 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 Gazettle, 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 , 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.

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.

Approved by

Photchana S.

Photchana Seeda
Scientist (4)

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)-018/66
Project Name : Pluak Daeng
Project Location :

Lot ID: 2448814
Date Received : May 14, 2024
Date Reported : May 21, 2024
Report Number : 2979294-1

Sample Number	2448814-4
Sampled Date	May 14, 2024 11:10 AM
Sample Description	Surface Water
Location	หัวยภูไทรหลังจุดระบายน้ำทิ้งที่ 2 ของโครงการระยะห่างประมาณ 500 เมตร (SW4)
Date Analysis Commenced	May 14, 2024
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
Metals Testing								
[A] Aluminium	mg/L	0.003	0.005	2.99	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
[A] 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
[A] 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
[A] 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
[A] 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
[A] Lead	mg/L	0.0003	0.0005	0.005	≤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
[A] 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
[A] 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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Photchana Seeda
Scientist (4)

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)-018/66
Project Name : Pluak Daeng
Project Location :

Lot ID: 2448814
Date Received : May 14, 2024
Date Reported : May 21, 2024
Report Number : 2979294-1

Sample Number	2448814-4
Sampled Date	May 14, 2024 11:10 AM
Sample Description	Surface Water
Location	หัวยภูไทรหลังจุดระบายน้ำทิ้งที่ 2 ของโครงการระยะห่างประมาณ 500 เมตร (SW4)
Date Analysis Commenced	May 14, 2024
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
Metals Testing								
[A] 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
[A] 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
Microbiological Testing								
[A] 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
[A] 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
Water Testing								
Ammonia Nitrogen *	mg/L	0.02	0.05	1.21	≤0.5	≤0.5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-NH3 (F)	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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Photchana S.

Photchana Seeda
Scientist (4)

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)-018/66
Project Name : Pluak Daeng
Project Location :

Lot ID: 2448814
Date Received : May 14, 2024
Date Reported : May 21, 2024
Report Number : 2979294-1

Sample Number	2448814-4
Sampled Date	May 14, 2024 11:10 AM
Sample Description	Surface Water
Location	หัวยภูไทรหลังจุดระบายน้ำทิ้งที่ 2 ของโครงการระยะห่างประมาณ 500 เมตร (SW4)
Date Analysis Commenced	May 14, 2024
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
Water Testing								
Dissolved Oxygen *	mg/L	-	0.1	3.8	≥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	2.71	≤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		-	-	7.6	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	0.001	≤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	-	-	31.0	(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 Gazettle, 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 Gazettle, 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 , 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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Photchana S.

Photchana Seeda
Scientist (4)

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)-018/66
Project Name : Pluak Daeng
Project Location :

Lot ID: 2452261
Date Received : Jun 21, 2024
Date Reported : Jul 23, 2024
Report Number : 2987623-1 Rev. No.1

Sample Number	2452261-1
Sampled Date	Jun 21, 2024 9:20 AM
Sample Description	Surface Water
Location	หัวยภูไทรก่อนจุดระบายน้ำทิ้งที่ 1 ของโครงการ ระยะห่างประมาณ 500 เมตร (SW1)
Date Analysis Commenced	Jun 21, 2024
Condition of Sample	Contained in two glass vials, one BOD bottle and seven plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Metals Testing								
[A] 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
[A] Arsenic	mg/L	0.0003	0.0005	0.010	≤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
[A] 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
[A] 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
[A] 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
[A] 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
[A] 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
[A] 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

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Approved by

Photchana S.

Photchana Seeda
Scientist (4)

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)-018/66
Project Name : Pluak Daeng
Project Location :

Lot ID: 2452261
Date Received : Jun 21, 2024
Date Reported : Jul 23, 2024
Report Number : 2987623-1 Rev. No.1

Sample Number	2452261-1
Sampled Date	Jun 21, 2024 9:20 AM
Sample Description	Surface Water
Location	หัวยภูไทรก่อนจุดระบายน้ำทิ้งที่ 1 ของโครงการ ระยะห่างประมาณ 500 เมตร (SW1)
Date Analysis Commenced	Jun 21, 2024
Condition of Sample	Contained in two glass vials, one BOD bottle and seven plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Metals Testing								
[A] 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
[A] 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
Microbiological Testing								
[A] 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
[A] 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
Water Testing								
Ammonia Nitrogen *	mg/L	0.02	0.05	1.24	≤0.5	≤0.5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-NH3 (F)	Rayong
BOD (5 days at 20 Degree C) *	mg/L	-	2.0	5.5	≤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	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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Photchana S.

Photchana Seeda
Scientist (4)

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)-018/66
Project Name : Pluak Daeng
Project Location :

Lot ID: 2452261
Date Received : Jun 21, 2024
Date Reported : Jul 23, 2024
Report Number : 2987623-1 Rev. No.1

Sample Number	2452261-1
Sampled Date	Jun 21, 2024 9:20 AM
Sample Description	Surface Water
Location	หัวยภูไทรก่อนจุดระบายน้ำทิ้งที่ 1 ของโครงการ ระยะห่างประมาณ 500 เมตร (SW1)
Date Analysis Commenced	Jun 21, 2024
Condition of Sample	Contained in two glass vials, one BOD bottle and seven plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Water Testing								
Dissolved Oxygen *	mg/L	-	0.1	5.6	≥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	4.79	≤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		-	-	7.8	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	-	-	31.3	(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 Gazettle, 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 Gazettle, 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

Note : This Analysis test report is reissued to supersede report No.2987623-1, Date Reported : Jun 28, 2024 due to revise analytical information.

Sampling By : Wasan Kinunti , Anan Changsena

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

Photchana S.

Photchana Seeda
Scientist (4)

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)-018/66
Project Name : Pluak Daeng
Project Location :

Lot ID: 2452261
Date Received : Jun 21, 2024
Date Reported : Jul 23, 2024
Report Number : 2987623-1 Rev. No.1

Sample Number	2452261-2
Sampled Date	Jun 21, 2024 9:35 AM
Sample Description	Surface Water
Location	หัวยภูไทรก่อนจุดระบายน้ำทิ้งที่ 1 ของโครงการ (SW2)
Date Analysis Commenced	Jun 21, 2024
Condition of Sample	Contained in two glass vials, one BOD bottle and seven plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Metals Testing								
[A] Aluminium	mg/L	0.003	0.005	3.76	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
[A] 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
[A] 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
[A] 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
[A] 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
[A] 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
[A] 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
[A] 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

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Photchana Seeda
Scientist (4)

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)-018/66
Project Name : Pluak Daeng
Project Location :

Lot ID: 2452261
Date Received : Jun 21, 2024
Date Reported : Jul 23, 2024
Report Number : 2987623-1 Rev. No.1

Sample Number	2452261-2
Sampled Date	Jun 21, 2024 9:35 AM
Sample Description	Surface Water
Location	หัวยภูไทรก่อนจุดระบายน้ำทิ้งที่ 1 ของโครงการ (SW2)
Date Analysis Commenced	Jun 21, 2024
Condition of Sample	Contained in two glass vials, one BOD bottle and seven plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Metals Testing								
[A] 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
[A] 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
Microbiological Testing								
[A] 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
[A] 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
Water Testing								
Ammonia Nitrogen *	mg/L	0.02	0.05	1.22	≤0.5	≤0.5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-NH3 (F)	Rayong
BOD (5 days at 20 Degree C) *	mg/L	-	2.0	4.8	≤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

Photchana S.

Photchana Seeda
Scientist (4)

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)-018/66
Project Name : Pluak Daeng
Project Location :

Lot ID: 2452261
Date Received : Jun 21, 2024
Date Reported : Jul 23, 2024
Report Number : 2987623-1 Rev. No.1

Sample Number	2452261-2
Sampled Date	Jun 21, 2024 9:35 AM
Sample Description	Surface Water
Location	หัวยภูไทรก่อนจุดระบายน้ำทิ้งที่ 1 ของโครงการ (SW2)
Date Analysis Commenced	Jun 21, 2024
Condition of Sample	Contained in two glass vials, one BOD bottle and seven plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Water Testing								
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	4.46	≤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		-	-	7.8	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 Gazettle, 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 Gazettle, 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

Note : This Analysis test report is reissued to supersede report No.2987623-1, Date Reported : Jun 28, 2024 due to revise analytical information.

Sampling By : Wasan Kinunti , Anan Changsena

Remark :
- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025.
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- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

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Approved by

Photchana S.

Photchana Seeda
Scientist (4)

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)-018/66
Project Name : Pluak Daeng
Project Location :

Lot ID: 2452261
Date Received : Jun 21, 2024
Date Reported : Jul 23, 2024
Report Number : 2987623-1 Rev. No.1

Sample Number	2452261-3
Sampled Date	Jun 21, 2024 9:55 AM
Sample Description	Surface Water
Location	หัวยภูไทรจุดระบายน้ำทิ้งที่ 2 ของโครงการ (SW3)
Date Analysis Commenced	Jun 21, 2024
Condition of Sample	Contained in two glass vials, one BOD bottle and seven plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Metals Testing								
[A] Aluminium	mg/L	0.003	0.005	1.12	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
[A] 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
[A] 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
[A] 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
[A] 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
[A] Lead	mg/L	0.0003	0.0005	0.003	≤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
[A] 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
[A] 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

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Photchana Seeda
Scientist (4)

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)-018/66
Project Name : Pluak Daeng
Project Location :

Lot ID: 2452261
Date Received : Jun 21, 2024
Date Reported : Jul 23, 2024
Report Number : 2987623-1 Rev. No.1

Sample Number	2452261-3
Sampled Date	Jun 21, 2024 9:55 AM
Sample Description	Surface Water
Location	หัวยภูไทรจุดระบายน้ำทิ้งที่ 2 ของโครงการ (SW3)
Date Analysis Commenced	Jun 21, 2024
Condition of Sample	Contained in two glass vials, one BOD bottle and seven plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Metals Testing								
[A] 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
[A] 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
Microbiological Testing								
[A] 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
[A] 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
Water Testing								
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 (F)	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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Photchana S.

Photchana Seeda
Scientist (4)

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)-018/66
Project Name : Pluak Daeng
Project Location :

Lot ID: 2452261
Date Received : Jun 21, 2024
Date Reported : Jul 23, 2024
Report Number : 2987623-1 Rev. No.1

Sample Number	2452261-3
Sampled Date	Jun 21, 2024 9:55 AM
Sample Description	Surface Water
Location	หัวยภูไทรจุดระบายน้ำทิ้งที่ 2 ของโครงการ (SW3)
Date Analysis Commenced	Jun 21, 2024
Condition of Sample	Contained in two glass vials, one BOD bottle and seven plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Water Testing								
Dissolved Oxygen *	mg/L	-	0.1	2.3	≥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	3.65	≤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 Gazettle, 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 Gazettle, 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

Note : This Analysis test report is reissued to supersede report No.2987623-1, Date Reported : Jun 28, 2024 due to revise analytical information.

Sampling By : Wasan Kinunti , Anan Changsena

Remark :
- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025.
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- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

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Photchana S.

Photchana Seeda
Scientist (4)

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)-018/66
Project Name : Pluak Daeng
Project Location :

Lot ID: 2452261
Date Received : Jun 21, 2024
Date Reported : Jul 23, 2024
Report Number : 2987623-1 Rev. No.1

Sample Number	2452261-4
Sampled Date	Jun 21, 2024 10:20 AM
Sample Description	Surface Water
Location	หัวยภูไทรหลังจุดระบายน้ำทิ้งที่ 2 ของโครงการระยะห่างประมาณ 500 เมตร (SW4)
Date Analysis Commenced	Jun 21, 2024
Condition of Sample	Contained in two glass vials, one BOD bottle and seven plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Metals Testing								
[A] Aluminium	mg/L	0.003	0.005	1.31	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
[A] 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
[A] 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
[A] 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
[A] 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
[A] Lead	mg/L	0.0003	0.0005	0.003	≤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
[A] 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
[A] 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

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Photchana S.

Photchana Seeda
Scientist (4)

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)-018/66
Project Name : Pluak Daeng
Project Location :

Lot ID: 2452261
Date Received : Jun 21, 2024
Date Reported : Jul 23, 2024
Report Number : 2987623-1 Rev. No.1

Sample Number	2452261-4
Sampled Date	Jun 21, 2024 10:20 AM
Sample Description	Surface Water
Location	หัวยภูไทรหลังจุดระบายน้ำทิ้งที่ 2 ของโครงการระยะห่างประมาณ 500 เมตร (SW4)
Date Analysis Commenced	Jun 21, 2024
Condition of Sample	Contained in two glass vials, one BOD bottle and seven plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Metals Testing								
[A] 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
[A] 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
Microbiological Testing								
[A] 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
[A] Total Coliform	MPN/100mL	-	-	4900.0	≤20000	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B	Bangkok
Water Testing								
Ammonia Nitrogen *	mg/L	0.02	0.05	0.51	≤0.5	≤0.5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-NH3 (F)	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

Photchana S.

Photchana Seeda
Scientist (4)

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)-018/66
Project Name : Pluak Daeng
Project Location :

Lot ID: 2452261
Date Received : Jun 21, 2024
Date Reported : Jul 23, 2024
Report Number : 2987623-1 Rev. No.1

Sample Number	2452261-4
Sampled Date	Jun 21, 2024 10:20 AM
Sample Description	Surface Water
Location	หัวยภูไทรหลังจุดระบายน้ำทิ้งที่ 2 ของโครงการระยะห่างประมาณ 500 เมตร (SW4)
Date Analysis Commenced	Jun 21, 2024
Condition of Sample	Contained in two glass vials, one BOD bottle and seven plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Water Testing								
Dissolved Oxygen *	mg/L	-	0.1	3.0	≥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	3.56	≤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	-	-	32.0	(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 Gazettle, 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 Gazettle, 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

Note : This Analysis test report is reissued to supersede report No.2987623-1, Date Reported : Jun 28, 2024 due to revise analytical information.

Sampling By : Wasan Kinunti , Anan Changsena

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.

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.

Approved by

Photchana S.

Photchana Seeda
Scientist (4)

ภาคผนวก ค-05

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

Sample Number	23128786-1
Sampled Date	Nov 23, 2023 3:23 PM
Sample Description	Undeground Water
Location	พื้นที่สีเขียวด้านทิศเหนือ (GW1)
Date Analysis Commenced	Nov 23, 2023
Condition of Sample	Contained in two glass vials, one amber glass bottle and five plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
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

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Approved by

Suwannee Chuamkeaw
Section Head

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

Sample Number	23128786-1
Sampled Date	Nov 23, 2023 3:23 PM
Sample Description	Undeground Water
Location	พื้นที่สีเขียวด้านทิศเหนือ (GW1)
Date Analysis Commenced	Nov 23, 2023
Condition of Sample	Contained in two glass vials, one amber glass bottle and five plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
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							

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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

Sample Number	23128786-1
Sampled Date	Nov 23, 2023 3:23 PM
Sample Description	Undeground Water
Location	พื้นที่สีเขียวด้านทิศเหนือ (GW1)
Date Analysis Commenced	Nov 23, 2023
Condition of Sample	Contained in two glass vials, one amber glass bottle and five plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Microbiological Testing							
Escherichia coli	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
Water Testing							
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 CaCO3 *	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

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Suwannee Chuamkeaw
Section Head

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

Sample Number	23128786-1
Sampled Date	Nov 23, 2023 3:23 PM
Sample Description	Undeground Water
Location	พื้นที่สีเขียวด้านทิศเหนือ (GW1)
Date Analysis Commenced	Nov 23, 2023
Condition of Sample	Contained in two glass vials, one amber glass bottle and five plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
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-SO4 (E)	Rayong
Total Alkalinity as CaCO3 *	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 CaCO3 *	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 :
- 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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Suwannee Chuamkeaw
Section Head

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

Sample Number	23128786-2
Sampled Date	Nov 23, 2023 10:47 AM
Sample Description	Undeground Water
Location	พื้นที่สีเขียวด้านทิศใต้ (GW2)
Date Analysis Commenced	Nov 23, 2023
Condition of Sample	Contained in two glass vials, one amber glass bottle and five plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
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

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Suwannee Chuamkeaw
Section Head

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

Sample Number	23128786-2
Sampled Date	Nov 23, 2023 10:47 AM
Sample Description	Undeground Water
Location	พื้นที่สีเขียวด้านทิศใต้ (GW2)
Date Analysis Commenced	Nov 23, 2023
Condition of Sample	Contained in two glass vials, one amber glass bottle and five plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
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							

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Suwannee Chuamkeaw
Section Head

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

Sample Number	23128786-2
Sampled Date	Nov 23, 2023 10:47 AM
Sample Description	Undeground Water
Location	พื้นที่สีเขียวด้านทิศใต้ (GW2)
Date Analysis Commenced	Nov 23, 2023
Condition of Sample	Contained in two glass vials, one amber glass bottle and five plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Microbiological Testing							
Escherichia coli	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
Water Testing							
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 CaCO3 *	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

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Suwannee Chuamkeaw
Section Head

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

Sample Number	23128786-2
Sampled Date	Nov 23, 2023 10:47 AM
Sample Description	Undeground Water
Location	พื้นที่สีเขียวด้านทิศใต้ (GW2)
Date Analysis Commenced	Nov 23, 2023
Condition of Sample	Contained in two glass vials, one amber glass bottle and five plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
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-SO4 (E)	Rayong
Total Alkalinity as CaCO3 *	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 CaCO3 *	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.

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Approved by

Suwannee Chuamkeaw
Section Head

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

Sample Number	23128786-3
Sampled Date	Nov 23, 2023 2:27 PM
Sample Description	Undeground Water
Location	พื้นที่สีเขียวด้านทิศตะวันออก (GW3)
Date Analysis Commenced	Nov 23, 2023
Condition of Sample	Contained in two glass vials, one amber glass bottle and five plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
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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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

Sample Number	23128786-3
Sampled Date	Nov 23, 2023 2:27 PM
Sample Description	Undeground Water
Location	พื้นที่สีเขียวด้านทิศตะวันออก (GW3)
Date Analysis Commenced	Nov 23, 2023
Condition of Sample	Contained in two glass vials, one amber glass bottle and five plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
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							

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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

Sample Number	23128786-3
Sampled Date	Nov 23, 2023 2:27 PM
Sample Description	Undeground Water
Location	พื้นที่สีเขียวด้านทิศตะวันออก (GW3)
Date Analysis Commenced	Nov 23, 2023
Condition of Sample	Contained in two glass vials, one amber glass bottle and five plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Microbiological Testing							
Escherichia coli	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
Water Testing							
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 CaCO3 *	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

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Suwannee Chuamkeaw
Section Head

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

Sample Number	23128786-3
Sampled Date	Nov 23, 2023 2:27 PM
Sample Description	Undeground Water
Location	พื้นที่สีเขียวด้านทิศตะวันออก (GW3)
Date Analysis Commenced	Nov 23, 2023
Condition of Sample	Contained in two glass vials, one amber glass bottle and five plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
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-SO4 (E)	Rayong
Total Alkalinity as CaCO3 *	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 CaCO3 *	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.
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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

Sample Number	23128786-4
Sampled Date	Nov 23, 2023 5:03 PM
Sample Description	Undeground Water
Location	พื้นที่สีเขียวดานทิศตะวันตก (GW4)
Date Analysis Commenced	Nov 23, 2023
Condition of Sample	Contained in two glass vials, one amber glass bottle and five plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
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

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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

Sample Number	23128786-4
Sampled Date	Nov 23, 2023 5:03 PM
Sample Description	Undeground Water
Location	พื้นที่สีเขียวดานทิศตะวันตก (GW4)
Date Analysis Commenced	Nov 23, 2023
Condition of Sample	Contained in two glass vials, one amber glass bottle and five plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
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							

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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

Sample Number	23128786-4
Sampled Date	Nov 23, 2023 5:03 PM
Sample Description	Undeground Water
Location	พื้นที่สีเขียวดานทิศตะวันตก (GW4)
Date Analysis Commenced	Nov 23, 2023
Condition of Sample	Contained in two glass vials, one amber glass bottle and five plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Microbiological Testing							
Escherichia coli	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
Water Testing							
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 CaCO3 *	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

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Section Head

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

Sample Number	23128786-4
Sampled Date	Nov 23, 2023 5:03 PM
Sample Description	Undeground Water
Location	พื้นที่สีเขียวดานทิศตะวันตก (GW4)
Date Analysis Commenced	Nov 23, 2023
Condition of Sample	Contained in two glass vials, one amber glass bottle and five plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
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-SO4 (E)	Rayong
Total Alkalinity as CaCO3 *	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 CaCO3 *	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.

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Suwannee Chuamkeaw
Section Head

Analysis / Test Report

TESTING
No.0009

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: 23137694
Date Received : Nov 27, 2023
Date Reported : Dec 08, 2023
Report Number : 2846275-1

Sample Number	23137694-1
Sampled Date	Nov 27, 2023 2:05 PM
Sample Description	Undeground Water
Location	ม.5 บ้านวังตาลหม่อน
Date Analysis Commenced	Nov 27, 2023
Condition of Sample	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
Metals Testing							
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

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Approved by

Sithichok Thongnguen
Scientist (3)

Analysis / Test Report

TESTING
No.0009

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: 23137694
Date Received : Nov 27, 2023
Date Reported : Dec 08, 2023
Report Number : 2846275-1

Sample Number	23137694-1
Sampled Date	Nov 27, 2023 2:05 PM
Sample Description	Undeground Water
Location	ม.5 บ้านวังตาลหม่อน
Date Analysis Commenced	Nov 27, 2023
Condition of Sample	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
Metals Testing							
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							

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.

Approved by

Sithichok Thongnguen
Scientist (3)

Analysis / Test Report

TESTING
No.0009

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: 23137694
Date Received : Nov 27, 2023
Date Reported : Dec 08, 2023
Report Number : 2846275-1

Sample Number	23137694-1
Sampled Date	Nov 27, 2023 2:05 PM
Sample Description	Undeground Water
Location	ม.5 บ้านวังตาลหม่อน
Date Analysis Commenced	Nov 27, 2023
Condition of Sample	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
Microbiological Testing							
Escherichia coli	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
Water Testing							
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 CaCO3 *	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

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Sithichok Thongnguen
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Analysis / Test Report

TESTING
No.0009

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
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Lot ID: 23137694
Date Received : Nov 27, 2023
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Sample Number	23137694-1
Sampled Date	Nov 27, 2023 2:05 PM
Sample Description	Undeground Water
Location	ม.5 บ้านวังตาลหม่อน
Date Analysis Commenced	Nov 27, 2023
Condition of Sample	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
Water Testing							
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-SO4 (E)	Rayong
Total Alkalinity as CaCO3 *	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 CaCO3 *	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.

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.

Approved by

Sithichok Thongnguen
Scientist (3)

ภาคผนวก ค-06

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 14 พฤษภาคม 2567)

ชนิดแพลงก์ตอนพืช	ปริมาณแพลงก์ตอนพืช (หน่วยต่อลูกบาศก์เมตร)			
	2448815-1	**2448815-2**	**2448815-3**	**2448815-4**
Division Cyanophyta				
Class Cyanophyceae				
Order Chroococcales				
Family Chroococcaceae				
1. *Microcystis aeruginosa*	9,000	-	1,584,000	1,312,000
Order Nostocales				
Family Oscillatoriaceae				
2. *Lyngbya* sp.	-	-	-	25,000
3. *Oscillatoria anguina*	-	-	7,000	-
4. *Oscillatoria brevis*	-	215,000	7,000	16,000
5. *Oscillatoria planctonica*	3,381,000	757,000	432,000	328,000
6. *Oscillatoria princeps*	27,966,000	10,659,000	4,752,000	9,184,000
7. *Oscillatoria tenuis*	558,000	168,000	36,000	25,000
Family Nostocaceae				
8. *Anabaena azollae*	-	-	7,000	8,000

<u>ตาราง</u> ผลการวิเคราะห์แพลงก์ตอนพืช (เก็บตัวอย่างวันที่ 14 พฤษภาคม 2567)

(ต่อ)

ชนิดแพลงก์ตอนพืช	ปริมาณแพลงก์ตอนพืช (หน่วยต่อลูกบาศก์เมตร)			
	2448815-1	**2448815-2**	**2448815-3**	**2448815-4**
9. *Anabaena* sp.	-	-	-	16,000
10. *Anabaenopsis arnoldii*	-	1,122,000	-	25,000
11. *Raphidiopsis* sp.	-	-	7,000	8,000
Division Chlorophyta				
Class Chlorophyceae				
Order Volvocales				
Family Volvocaceae				
12. *Eudorina elegans*	177,000	468,000	108,000	123,000
13. *Pandorina morum*	531,000	3,553,000	144,000	410,000
Family Spondylomoraceae				
14. *Spondylomorum quarternarium*	9,000	-	-	-
Order Tetrasporales				
Family Palmellaceae				
15. *Sphaerocystis shroeteri*	-	28,000	-	-
Order Chlorococcales				
Family Hydrodictyaceae				
16. *Pediastrum duplex*	354,000	140,000	7,000	25,000
17. *Pediastrum simplex*	-	9,000	-	8,000
Family Coelastraceae				
18. *Coelastrum microporum*	18,000	37,000	-	16,000
19. *Coelastrum sphaericum*	-	-	-	8,000
Family Oocystaceae				
20. *Ankistrodesmus falcatus*	18,000	9,000	-	-
21. *Dictyosphaerium pulchellum*	-	19,000	29,000	16,000
22. *Oocystis elliptica*	9,000	19,000	-	8,000
23. *Tetraedron gracile*	-	-	-	8,000
24. *Tetraedron trigonum*	9,000	-	-	-

<u>ตาราง</u> ผลการวิเคราะห์แพลงก์ตอนพืช (เก็บตัวอย่างวันที่ 14 พฤษภาคม 2567)

(ต่อ)

ชนิดแพลงก์ตอนพืช	ปริมาณแพลงก์ตอนพืช (หน่วยต่อลูกบาศก์เมตร)			
	2448815-1	**2448815-2**	**2448815-3**	**2448815-4**
Family Scenedesmaceae				
25. *Actinastrum geacillimum*	27,000	19,000	-	-
26. *Actinastrum hantzschii*	302,000	9,000	7,000	16,000
27. *Crucigenia apiculata*	443,000	37,000	43,000	-
28. *Micractinium bornhemiense*	27,000	-	-	-
29. *Micractinium pusillum*	27,000	187,000	22,000	-
30. *Scenedesmus acuminatus*	18,000	-	-	-
31. *Scenedesmus armatus*	1,062,000	767,000	-	8,000
32. *Scenedesmus dentriculatus*	18,000	19,000	-	-
33. *Scenedesmus dimorphus*	2,328,000	748,000	14,000	33,000
34. *Scenedesmus opoliensis*	327,000	224,000	-	8,000
35. *Scenedesmus quadricauda*	53,000	56,000	14,000	25,000
36. *Scenedesmus* sp.	27,000	28,000	-	-
Order Zygematales				
Family Zygnemataceae				
37. *Spirogyra* sp.	-	9,000	-	33,000
Family Desmidiaceae				
38. *Closterium* sp.	-	9,000	-	-
39. *Cloterium gracile*	-	-	7,000	-
40. *Cosmarium* sp.	-	56,000	-	-
41. *Staurastrum gracile*	-	-	22,000	8,000
Class Euglenophyceae				
Order Euglenales				
Family Euglenaceae				
42. *Euglena acus*	2,876,000	2,244,000	202,000	369,000
43. *Euglena oxyuris*	124,000	1,431,000	22,000	25,000
44. *Euglena* sp.	974,000	2,057,000	22,000	664,000

<u>ตาราง</u> ผลการวิเคราะห์แพลงก์ตอนพืช (เก็บตัวอย่างวันที่ 14 พฤษภาคม 2567)

(ต่อ)

ชนิดแพลงก์ตอนพืช	ปริมาณแพลงก์ตอนพืช (หน่วยต่อลูกบาศก์เมตร)			
	2448815-1	**2448815-2**	**2448815-3**	**2448815-4**
45. *Euglena splendens*	681,000	1,440,000	144,000	656,000
46. *Euglena viridis*	929,000	2,618,000	-	148,000
47. *Lepocinclis ovum*	6,195,000	10,472,000	1,771,000	246,000
48. *Phacus angulatus*	1,947,000	2,805,000	122,000	131,000
49. *Phacus hamatus*	9,381,000	6,919,000	403,000	1,230,000
50. *Phacus longicauda*	27,000	140,000	14,000	164,000
51. *Phacus myersi*	27,000	19,000	14,000	8,000
52. *Phacus platalea*	-	-	7,000	-
53. *Phacus pleuronectes*	18,000	206,000	14,000	8,000
54. *Phacus ranula*	-	-	432,000	41,000
55. *Phacus* sp.	416,000	47,000	115,000	631,000
56. *Phacus tortus*	885,000	842,000	468,000	33,000
57. *Strombomonas acuminata*	43,011,000	17,204,000	5,616,000	10,988,000
58. *Strombomonas australica*	558,000	1,870,000	29,000	197,000
59. *Strombomonas deflandrei*	-	374,000	14,000	8,000
60. *Strombomonas fluviatilis*	699,000	561,000	14,000	25,000
61. *Strombomonas gibberosa*	2,832,000	1,496,000	65,000	1,148,000
62. *Strombomonas girardiana*	673,000	935,000	-	16,000
63. *Strombomonas schaunslandii*	504,000	-	-	16,000
64. *Strombomonas treubii*	2,443,000	374,000	792,000	2,788,000
65. *Trachelomonas conica*	9,000	-	-	8,000
66. *Trachelomonas crebea*	3,363,000	1,524,000	576,000	1,476,000
67. *Trachelomonas hispida*	24,072,000	16,830,000	1,440,000	2,837,000
68. *Trachelomonas similis*	708,000	1,029,000	130,000	25,000

ตาราง ผลการวิเคราะห์แพลงก์ตอนพืช (เก็บตัวอย่างวันที่ 14 พฤษภาคม 2567)

(ต่อ)

ชนิดแพลงก์ตอนพืช	ปริมาณแพลงก์ตอนพืช (หน่วยต่อลูกบาศก์เมตร)			
	2448815-1	2448815-2	2448815-3	2448815-4
Division Chromophyta				
Class Bacillariophyceae				
Order Biddulphiales				
Suborder Coscinodiscineae				
Family Thalassiosiraceae				
69. *Cyclotella meneghiniana*	-	346,000	-	33,000
70. *Cyclotella stelligera*	133,000	-	7,000	8,000
Family Aulacoseiraceae				
71. *Aulacoseira granulata*	-	9,000	-	8,000
Order Bacillariales				
Suborder Fragilariineae				
Family Fragilariaceae				
72. *Fragilaria capucina*	-	-	36,000	-
73. *Synedra rumpens*	-	28,000	14,000	-
74. *Synedra ulna*	18,000	-	22,000	8,000
Suborder Bacillariineae				
Family Eunotiaceae				
75. *Eunotia lineolata*	-	19,000	-	-
76. *Eunotia pectinalis*	-	-	14,000	262,000
Family Naviculaceae				
77. *Amphora* sp.	9,000	-	-	-
78. *Craticula cuspidata*	-	-	14,000	-
79. *Gyrosigma attenuatum*	124,000	28,000	-	-
80. *Gyrosigma* sp.	-	-	7,000	-
81. *Navicula cuspidata*	27,000	56,000	22,000	16,000
82. *Navicula* sp.	-	9,000	-	-

<u>ตาราง</u> ผลการวิเคราะห์แพลงก์ตอนพืช (เก็บตัวอย่างวันที่ 14 พฤษภาคม 2567)

(ต่อ)

ชนิดแพลงก์ตอนพืช	ปริมาณแพลงก์ตอนพืช (หน่วยต่อลูกบาศก์เมตร)			
	2448815-1	**2448815-2**	**2448815-3**	**2448815-4**
Family Bacillariaceae				
83. *Nitzschia amphibia*	142,000	9,000	7,000	-
84. *Nitzschia angustata*	9,000	-	-	-
85. *Nitzschia lorenziana*	443,000	9,000	14,000	8,000
86. *Nitzschia palea*	9,000	-	-	-
87. *Nitzschia paleacea*	18,000	-	7,000	-
88. *Nitzschia reversa*	531,000	468,000	22,000	115,000
89. *Nitzschia sigmoidea*	18,000	47,000	36,000	25,000
90. *Nitzschia* sp.	142,000	187,000	-	-
91. *Tryblionella* sp.	18,000	9,000	-	-
Family Surirellaceae				
92. *Surirella elegans*	124,000	65,000	-	-
93. *Surirella robusta*	248,000	103,000	22,000	-
94. *Surirella* sp.	18,000	19,000	-	-
Class Dinophyceae				
Order Gonyaulacalea				
Family Ceratiaceae				
95. *Ceratium hirundinella*	-	9,000	-	8,000
Order Peridiniales				
Family Peridiniaceae				
96. *Peridinium* sp.	-	-	-	287,000
ชนิดแพลงก์ตอนพืช	**65**	**67**	**56**	**63**
ปริมาณแพลงก์ตอนพืช	**143,081,000**	**94,228,000**	**19,919,000**	**36,364,000**
ดัชนีความหลากหลายแพลงก์ตอนพืช	**2.3476**	**2.7604**	**2.3441**	**2.3131**
ดัชนีความสม่ำเสมอแพลงก์ตอนพืช	**0.5624**	**0.6565**	**0.5823**	**0.5583**

Sample Location : 1. สถานี 2448815-1 : ห้วยภูไทรก่อนจุดระบายน้ำทิ้งที่ 1 ของโครงการประมาณ 500 เมตร (Bio1)

2. สถานี 2448815-2 : ห้วยภูไทรบริเวณจุดระบายน้ำทิ้งที่ 1 ของโครงการ (Bio2)

3. สถานี 2448815-3 : ห้วยภูไทรบริเวณจุดระบายน้ำทิ้งที่ 2 ของโครงการ (Bio3)

4. สถานี 2448815-4 : ห้วยภูไทรบริเวณจุดระบายน้ำทิ้งที่ 2 ของโครงการระยะห่างประมาณ 500 เมตร (Bio4)

Condition of Sample : contained in one plastic bottle, sample containers comply to pretreatment-preservation standards (APHA, USEPA)

.....	.....
(นางสาวกนกวรรณ ขาวด่อน)	(นายอลงกต อินทรชาติ)
ผู้วิเคราะห์	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 14 พฤษภาคม 2567)

ชนิดแพลงก์ตอนสัตว์	ปริมาณแพลงก์ตอนสัตว์ (หน่วยต่อลูกบาศก์เมตร)			
	2448815-1	**2448815-2**	**2448815-3**	**2448815-4**
Phylum Protozoa				
Subphylum Plasmodroma				
Class Sarcodina				
Subclass Rhizopoda				
Order Testacida				
Family Arcellidae				
1. *Arcella* sp.	53,000	9,000	-	-
2. *Arcella vulgaris*	-	-	-	8,000
Family Difflugiidae				
3. *Centropyxis aculeata*	35,000	9,000	-	-
4. *Difflugia acuminata*	-	9,000	-	16,000
5. *Difflugia lobostoma*	-	19,000	-	-

<u>ตาราง</u> ผลการวิเคราะห์แพลงก์ตอนสัตว์ (เก็บตัวอย่างวันที่ 14 พฤษภาคม 2567)

(ต่อ)

ชนิดแพลงก์ตอนสัตว์	ปริมาณแพลงก์ตอนสัตว์ (หน่วยต่อลูกบาศก์เมตร)			
	2448815-1	**2448815-2**	**2448815-3**	**2448815-4**
Subphylum Ciliophora				
Class Ciliata				
Subclass Holotricha				
Order Gymnostomatida				
6. *Coleps* sp.	71,000	65,000	7,000	16,000
7. *Didinium* sp.	133,000	56,000	7,000	-
Subclass Spirotricha				
Order Hypotrichida				
8. *Halteria* sp.	9,000	-	14,000	16,000
Order Tintinnida				
Family Tintinnididae				
9. *Tintinnopsis beroidea*	-	9,000	-	8,000
10. *Tintinnopsis* sp.	89,000	636,000	36,000	57,000
Subclass Peritricha				
Order Peritrichida				
11. *Vorticella* sp.	53,000	-	22,000	-
Phylum Rotifera				
Class Monogononta				
Order Ploima				
Family Brachionidae				
12. *Anuraeopsis coelata*	9,000	-	-	-
13. *Anuraeopsis fissa*	27,000	65,000	-	576,000
14. *Brachionus angularis*	89,000	47,000	14,000	16,000
15. *Brachionus calyciflorus*	-	-	-	8,000
16. *Brachionus falcatus*	-	-	-	8,000
17. *Brachionus urceolaris*	9,000	-	-	-
18. *Colurella obtusa*	-	-	-	8,000

<u>ตาราง</u> ผลการวิเคราะห์แพลงก์ตอนสัตว์ (เก็บตัวอย่างวันที่ 14 พฤษภาคม 2567)

(ต่อ)

ชนิดแพลงก์ตอนสัตว์	ปริมาณแพลงก์ตอนสัตว์ (หน่วยต่อลูกบาศก์เมตร)			
	2448815-1	**2448815-2**	**2448815-3**	**2448815-4**
19. *Dipleuchlanis* sp.	-	9,000	-	-
20. *Keratella cochlearis*	-	-	-	25,000
21. *Keratella valga*	44,000	-	-	16,000
22. *Lepadella acuminata*	9,000	-	-	-
Family Lecanidae				
23. *Lecane papuana*	18,000	-	-	-
Family Notommatidae				
24. *Cephalodella gibba*	80,000	112,000	-	8,000
Family Tricocercidae				
25. *Trichocerca pusilla*	71,000	94,000	14,000	41,000
Family Asplanchnidae				
26. *Asplanchna priodonta*	-	19,000	7,000	25,000
Family Synchaetidae				
27. *Polyarthra dolichoptera*	53,000	37,000	14,000	66,000
28. *Polyarthra vulgaris*	124,000	337,000	7,000	82,000
Order Floscullariacea				
Family Testudinellidae				
29. *Filinia terminalis*	-	19,000	7,000	8,000
30. *Testudinella patina*	9,000	-	7,000	-
31. *Trochosphaera* sp.	-	9,000	-	-
Class Digononta				
Family Philodinidae				
32. *Rotaria rotatoria*	-	9,000	-	-

<u>ตาราง</u> ผลการวิเคราะห์แพลงก์ตอนสัตว์ (เก็บตัวอย่างวันที่ 14 พฤษภาคม 2567)

(ต่อ)

ชนิดแพลงก์ตอนสัตว์	ปริมาณแพลงก์ตอนสัตว์ (หน่วยต่อลูกบาศก์เมตร)			
	2448815-1	**2448815-2**	**2448815-3**	**2448815-4**
Phylum Arthropoda				
Class Crustacea				
Subclass Branchiopoda				
Order Diplostraca				
Suborder Cladocera				
Family Moinidae				
33. *Moina macrocopa*	-	9,000	-	-
Subclass Ostracoda				
Order Podocopa				
Family Cypridae				
34. *Cypridopsis* sp.	9,000	-	-	-
Subclass Copepoda				
35. Copepod nauplii	354,000	524,000	58,000	131,000
Order Cyclopoida				
36. Cyclopoid copepod	-	-	-	8,000
ชนิดแพลงก์ตอนสัตว์	**21**	**21**	**13**	**21**
ปริมาณแพลงก์ตอนสัตว์	**1,348,000**	**2,102,000**	**214,000**	**1,147,000**
ดัชนีความหลากหลายแพลงก์ตอนสัตว์	**2.5605**	**2.0788**	**2.2724**	**1.9567**
ดัชนีความสม่ำเสมอแพลงก์ตอนสัตว์	**0.8410**	**0.6828**	**0.8859**	**0.6427**

Sample Location :

1. สถานี 2448815-1 : ห้วยภูไทรก่อนจุดระบายน้ำทิ้งที่ 1 ของโครงการประมาณ 500 เมตร (Bio1)
2. สถานี 2448815-2 : ห้วยภูไทรบริเวณจุดระบายน้ำทิ้งที่ 1 ของโครงการ (Bio2)
3. สถานี 2448815-3 : ห้วยภูไทรบริเวณจุดระบายน้ำทิ้งที่ 2 ของโครงการ (Bio3)
4. สถานี 2448815-4 : ห้วยภูไทรบริเวณจุดระบายน้ำทิ้งที่ 2 ของโครงการระยะห่างประมาณ 500 เมตร (Bio4)

Condition of Sample : contained in one plastic bottle, sample containers comply to pretreatment-preservation standards (APHA, USEPA)

(นางสาวกนกวรรณ ขาวด่อน)	(นายอลงกต อินทรชาติ)
ผู้วิเคราะห์	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 14 พฤษภาคม 2567)

ชนิดสัตว์น้ำ	ปริมาณสัตว์น้ำ (ตัว)				ช่วงขนาด	น้ำหนักรวม
	2448815-1	2448815-2	2448815-3	2448815-4	(ซม.)	(กรัม)
Phylum Chordata						
Class Actinopterygii						
Order Anabantiformes						
Family Anabantidae						
Anabas testudineus (ปลาหมอ)	1	-	-	-	6.50	5.20

ตาราง ผลการวิเคราะห์สัตว์น้ำ (Aquatic animal) (เก็บตัวอย่างเมื่อวันที่ 14 พฤษภาคม 2567) (ต่อ)

ชนิดสัตว์น้ำ	ปริมาณสัตว์น้ำ (ตัว)				ช่วงขนาด	น้ำหนักรวม
	2448815-1	2448815-2	2448815-3	2448815-4	(ซม.)	(กรัม)
Family Osphronemidae						
Trichopodus trichopterus (ปลากระดี่หม้อ)	1	-	1	-	7.00-7.60	11.60
Order Cichliformes						
Family Cichlidae						
Oreochromis niloticus (ปลานิล)	4	5	1	1	6.30-28.30	1,088.00
Order Cypriniformes						
Family Cyprinidae						
Barbonymus gonionotus (ปลาตะเพียนขาว)	6	5	4	6	6.10-12.10	190.50
Cyclocheilichthys apogon (ปลาไส้ตันตาแดง)	-	1	1	-	9.20-10.20	25.00
Puntius brevis (ปลาตะเพียนทราย)	-	2	-	3	6.00-7.50	19.30
Order Gobiiformes						
Family Butidae						
Oxyeleotris marmorata (ปลาบู่ทราย)	-	1	-	-	11.10	18.40

ตาราง ผลการวิเคราะห์สัตว์น้ำ (Aquatic animal) (เก็บตัวอย่างเมื่อวันที่ 14 พฤษภาคม 2567) (ต่อ)

ชนิดสัตว์น้ำ	ปริมาณสัตว์น้ำ (ตัว)				ช่วงขนาด (ซม.)	น้ำหนักรวม (กรัม)
	2448815-1	2448815-2	2448815-3	2448815-4		
ชนิดสัตว์น้ำ	4	5	4	3	6.00-28.30	1,358.00
ปริมาณสัตว์น้ำ	12	14	7	10		
ดัชนีความหลากหลายสัตว์น้ำ	1.1269	1.3904	1.1537	0.8979		

Sample Location : 1. สถานี 2448815-1 : ห้วยภูไทรก่อนจุดระบายน้ำทิ้งที่ 1 ของโครงการประมาณ 500 เมตร (Bio1)

2. สถานี 2448815-2 : ห้วยภูไทรบริเวณจุดระบายน้ำทิ้งที่ 1 ของโครงการ (Bio2)

3. สถานี 2448815-3 : ห้วยภูไทรบริเวณจุดระบายน้ำทิ้งที่ 2 ของโครงการ (Bio3)

4. สถานี 2448815-4 : ห้วยภูไทรบริเวณจุดระบายน้ำทิ้งที่ 2 ของโครงการระยะห่างประมาณ 500 เมตร (Bio4)

Condition of Sample : fishing gear

(นายสาโรจน์ เริ่มดำริห์)
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 14 พฤษภาคม 2567)

สกุลสัตว์หน้าดิน	ปริมาณสัตว์หน้าดิน (ตัวต่อตารางเมตร)			
	2448821-1	**2448821-2**	**2448821-3**	**2448821-4**
Phylum Annelida				
Class Clitellata				
Order Lumbriculida				
Family Lumbriculidae				
Lumbriculus sp. (ไส้เดือนน้ำ)	75	104	-	460
Order Tubificida				
Family Naididae				
Branchiura sp. (ไส้เดือนน้ำ)	45	-	75	-
Phylum Arthropoda				
Class Insecta				
Order Diptera				
Family Ceratopogonidae				
Culicoides sp. (ริ้นเข็ม)	-	-	30	-
Family Chironomidae				
Chironomus sp. (หนอนแดง)	45	-	45	104

ตาราง ผลการวิเคราะห์สัตว์หน้าดิน (เก็บตัวอย่างวันที่ 14 พฤษภาคม 2567) (ต่อ)

สกุลสัตว์หน้าดิน	ปริมาณสัตว์หน้าดิน (ตัวต่อตารางเมตร)			
	2448821-1	**2448821-2**	**2448821-3**	**2448821-4**
Class Malacostraca				
Order Decapoda				
Family Palaemonidae				
Macrobrachium sp. (กุ้งฝอย)	-	-	-	30
Phylum Mollusca				
Class Gastropoda				
Order Architaenioglossa				
Family Bithyniidae				
Bithynia sp. (หอยไซ)	-	-	15	-
Family Thiaridae				
Melanoides sp. (หอยเจดีย์)	-	-	-	75
สกุลสัตว์หน้าดิน	**3**	**1**	**4**	**4**
ปริมาณสัตว์หน้าดิน	**165**	**104**	**165**	**669**
ค่าดัชนีความหลากหลายสัตว์หน้าดิน	**1.0671**	**0.0000**	**1.2407**	**0.9315**

Sample Location : 1. สถานี 2448821-1 : ห้วยภูไทรก่อนจุดระบายน้ำทิ้งที่ 1 ของโครงการประมาณ 500 เมตร (Bio1)

2. สถานี 2448821-2 : ห้วยภูไทรบริเวณจุดระบายน้ำทิ้งที่ 1 ของโครงการ (Bio2)

3. สถานี 2448821-3 : ห้วยภูไทรบริเวณจุดระบายน้ำทิ้งที่ 2 ของโครงการ (Bio3)

4. สถานี 2448821-4 : ห้วยภูไทรบริเวณจุดระบายน้ำทิ้งที่ 2 ของโครงการระยะห่างประมาณ 500 เมตร (Bio4)

Condition of Sample : contained in one plastic zip bag

.....

(นายอรรถวุฒิ กันทะวงศ์)

ผู้วิเคราะห์

.....

(นายอลงกต อินทรชาติ)

หัวหน้าสถานีวิจัยประมงศรีราชา

ภาคผนวก ค-07

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 : RJN(2)-018/66
Project Name : Pluak Daeng
Project Location:

Lot ID: 2448824
Date Received : May 14, 2024
Date Reported : Jul 23, 2024
Report Number : 2979306-1 Rev. No.1

Sample Number	2448824-1
Sampled Date	May 14, 2024 10:25 AM
Sample Description	ตะกอนดิน
Location	หัวยภูไทรก่อนจุดระบายน้ำทิ้งที่ 1 ของโครงการระยะห่างประมาณ 500 เมตร (SD1)
Date Analysis Commenced	May 15, 2024
Condition of Sample	Packed in one glass bottle and one plastic bag, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Aluminium	mg/kg	-	1.00	9061	No Standard	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Arsenic	mg/kg	-	0.50	4.31	≤10	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Cadmium	mg/kg	-	0.50	<0.50	≤1	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Copper	mg/kg	-	1.00	4.73	≤31.5	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Hexavalent Chromium	mg/kg	-	0.25	<1.00	No Standard	United States Environmental Protection Agency, EPA Method 3060 A and 7196 A	Bangkok
Mercury	mg/kg	-	0.10	<0.10	≤0.2	United States Environmental Protection Agency, EPA Method 7473	Bangkok
Nickel	mg/kg	-	1.00	3.91	≤23	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Silver	mg/kg	-	1.00	<1.00	No Standard	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Trivalent Chromium	mg/kg	-	1.00	<1.00	No Standard	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Zinc	mg/kg	-	1.00	21.0	≤120	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Physical Parameters							
Moisture	%	-	0.1	30.5	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

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.

Approved by

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 : RJN(2)-018/66
Project Name : Pluak Daeng
Project Location :

Lot ID: 2448824
Date Received : May 14, 2024
Date Reported : Jul 23, 2024
Report Number : 2979306-1 Rev. No.1

Guideline : Notification of The National Environmental Board B.E.2565, for protect benthic animals

Note :
1. Analysis Results expressed on dry basis.
2. This Analysis test report is reissued to supersede report No.2979306-1, Date Reported : May 23, 2024 due to revise guideline/specification

Sampling By : Samart Khumphlee

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

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.

Approved by

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 : RJN(2)-018/66
Project Name : Pluak Daeng
Project Location:

Lot ID: 2448824
Date Received : May 14, 2024
Date Reported : Jul 23, 2024
Report Number : 2979306-1 Rev. No.1

Sample Number	2448824-2
Sampled Date	May 14, 2024 10:16 AM
Sample Description	ตะกอนดิน
Location	หัวยภูไทรบริเวณจุดระบายน้ำทิ้งที่ 1 ของโครงการ (SD2)
Date Analysis Commenced	May 15, 2024
Condition of Sample	Packed in one glass bottle and one plastic bag, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Aluminium	mg/kg	-	1.00	10014	No Standard	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Arsenic	mg/kg	-	0.50	7.41	≤10	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Cadmium	mg/kg	-	0.50	<0.50	≤1	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Copper	mg/kg	-	1.00	6.88	≤31.5	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Hexavalent Chromium	mg/kg	-	0.25	<1.00	No Standard	United States Environmental Protection Agency, EPA Method 3060 A and 7196 A	Bangkok
Mercury	mg/kg	-	0.10	<0.10	≤0.2	United States Environmental Protection Agency, EPA Method 7473	Bangkok
Nickel	mg/kg	-	1.00	4.93	≤23	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Silver	mg/kg	-	1.00	<1.00	No Standard	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Trivalent Chromium	mg/kg	-	1.00	<1.00	No Standard	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Zinc	mg/kg	-	1.00	34.1	≤120	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Physical Parameters							
Moisture	%	-	0.1	37.4	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

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.

Approved by

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 : RJN(2)-018/66
Project Name : Pluak Daeng
Project Location :

Lot ID: 2448824
Date Received : May 14, 2024
Date Reported : Jul 23, 2024
Report Number : 2979306-1 Rev. No.1

Guideline : Notification of The National Environmental Board B.E.2565, for protect benthic animals

Note :
1. Analysis Results expressed on dry basis.
2. This Analysis test report is reissued to supersede report No.2979306-1, Date Reported : May 23, 2024 due to revise guideline/specification

Sampling By : Samart Khumphlee

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

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.

Approved by

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 : RJN(2)-018/66
Project Name : Pluak Daeng
Project Location:

Lot ID: 2448824
Date Received : May 14, 2024
Date Reported : Jul 23, 2024
Report Number : 2979306-1 Rev. No.1

Sample Number	2448824-3
Sampled Date	May 14, 2024 9:30 AM
Sample Description	ตะกอนดิน
Location	หัวยภูไทรบริเวณจุดระบายน้ำทิ้งที่ 2 ของโครงการ (SD3)
Date Analysis Commenced	May 15, 2024
Condition of Sample	Packed in one glass bottle and one plastic bag, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Aluminium	mg/kg	-	1.00	13033	No Standard	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Arsenic	mg/kg	-	0.50	8.24	≤10	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Cadmium	mg/kg	-	0.50	<0.50	≤1	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Copper	mg/kg	-	1.00	8.11	≤31.5	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Hexavalent Chromium	mg/kg	-	0.25	<1.00	No Standard	United States Environmental Protection Agency, EPA Method 3060 A and 7196 A	Bangkok
Mercury	mg/kg	-	0.10	<0.10	≤0.2	United States Environmental Protection Agency, EPA Method 7473	Bangkok
Nickel	mg/kg	-	1.00	6.62	≤23	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Silver	mg/kg	-	1.00	<1.00	No Standard	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Trivalent Chromium	mg/kg	-	1.00	<1.00	No Standard	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Zinc	mg/kg	-	1.00	42.1	≤120	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Physical Parameters							
Moisture	%	-	0.1	52.1	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

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Approved by

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 : RJN(2)-018/66
Project Name : Pluak Daeng
Project Location :

Lot ID: 2448824
Date Received : May 14, 2024
Date Reported : Jul 23, 2024
Report Number : 2979306-1 Rev. No.1

Guideline : Notification of The National Environmental Board B.E.2565, for protect benthic animals

Note :
1. Analysis Results expressed on dry basis.
2. This Analysis test report is reissued to supersede report No.2979306-1, Date Reported : May 23, 2024 due to revise guideline/specification

Sampling By : Samart Khumphlee

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

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Manager

Analysis / Test Report

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54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140
P/O : RJN(2)-018/66
Project Name : Pluak Daeng
Project Location:

Lot ID: 2448824
Date Received : May 14, 2024
Date Reported : Jul 23, 2024
Report Number : 2979306-1 Rev. No.1

Sample Number	2448824-4
Sampled Date	May 14, 2024 11:10 AM
Sample Description	ตะกอนดิน
Location	หัวยภูไทรหลังจุดระบายน้ำทิ้งที่ 2 ของโครงการระยะห่างประมาณ 500 เมตร (SD4)
Date Analysis Commenced	May 15, 2024
Condition of Sample	Packed in one glass bottle and one plastic bag, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Aluminium	mg/kg	-	1.00	11015	No Standard	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Arsenic	mg/kg	-	0.50	15.5	≤10	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Cadmium	mg/kg	-	0.50	<0.50	≤1	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Copper	mg/kg	-	1.00	11.7	≤31.5	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Hexavalent Chromium	mg/kg	-	0.25	<1.00	No Standard	United States Environmental Protection Agency, EPA Method 3060 A and 7196 A	Bangkok
Mercury	mg/kg	-	0.10	<0.10	≤0.2	United States Environmental Protection Agency, EPA Method 7473	Bangkok
Nickel	mg/kg	-	1.00	5.74	≤23	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Silver	mg/kg	-	1.00	<1.00	No Standard	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Trivalent Chromium	mg/kg	-	1.00	<1.00	No Standard	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Zinc	mg/kg	-	1.00	118	≤120	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Physical Parameters							
Moisture	%	-	0.1	44.5	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

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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)-018/66
Project Name : Pluak Daeng
Project Location :

Lot ID: 2448824
Date Received : May 14, 2024
Date Reported : Jul 23, 2024
Report Number : 2979306-1 Rev. No.1

Guideline : Notification of The National Environmental Board B.E.2565, for protect benthic animals

Note :
1. Analysis Results expressed on dry basis.
2. This Analysis test report is reissued to supersede report No.2979306-1, Date Reported : May 23, 2024 due to revise guideline/specification

Sampling By : Samart Khumphlee

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Sawitree Noisangiam
Manager

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)-018/66
Project Name : Pluak Daeng
Project Location:

Lot ID: 2448828
Date Received : May 30, 2024
Date Reported : Jun 07, 2024
Report Number : 2979309-1

Sample Number	2448828-1
Sampled Date	May 30, 2024 10:15 AM
Sample Description	Soil ที่ระดับความลึก 5 ซม.
Location	พื้นที่สีเขียวด้านทิศเหนือ (S1)
Date Analysis Commenced	May 31, 2024
Condition of Sample	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
Metals Testing							
Aluminium	mg/kg	-	1.00	1542	No Standard	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Arsenic	mg/kg	-	0.50	1.76	≤25	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Cadmium	mg/kg	-	0.50	<0.50	≤762	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Copper	mg/kg	-	1.00	1.48	≤35040	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Hexavalent Chromium	mg/kg	-	1.00	<1.00	≤212	United States Environmental Protection Agency, EPA Method 3060 A and 7196 A	Bangkok
Mercury	mg/kg	-	0.10	<0.10	≤263	United States Environmental Protection Agency, EPA Method 7473	Bangkok
Nickel	mg/kg	-	1.00	1.22	≤5205	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Silver	mg/kg	-	1.00	<1.00	No Standard	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Trivalent Chromium	mg/kg	-	1.00	<1.00	No Standard	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Zinc	mg/kg	-	1.00	4.82	No Standard	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Physical Parameters							
Moisture	%	-	0.1	3.8	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

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Chanattagarn Imchom
Section Head

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)-018/66
Project Name : Pluak Daeng
Project Location:

Lot ID: 2448828
Date Received : May 30, 2024
Date Reported : Jun 07, 2024
Report Number : 2979309-1

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 : Narunat thammasaro

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54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140
P/O : RJN(2)-018/66
Project Name : Pluak Daeng
Project Location:

Lot ID: 2448828
Date Received : May 30, 2024
Date Reported : Jun 07, 2024
Report Number : 2979309-1

Sample Number	2448828-2
Sampled Date	May 30, 2024 9:10 AM
Sample Description	Soil ที่ระดับความลึก 5 ซม.
Location	พื้นที่สีเขียนด้านทิศใต้ (S2)
Date Analysis Commenced	May 31, 2024
Condition of Sample	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
Metals Testing							
Aluminium	mg/kg	-	1.00	1564	No Standard	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Arsenic	mg/kg	-	0.50	2.29	≤25	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Cadmium	mg/kg	-	0.50	<0.50	≤762	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Copper	mg/kg	-	1.00	2.17	≤35040	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Hexavalent Chromium	mg/kg	-	1.00	<1.00	≤212	United States Environmental Protection Agency, EPA Method 3060 A and 7196 A	Bangkok
Mercury	mg/kg	-	0.10	<0.10	≤263	United States Environmental Protection Agency, EPA Method 7473	Bangkok
Nickel	mg/kg	-	1.00	1.28	≤5205	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Silver	mg/kg	-	1.00	<1.00	No Standard	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Trivalent Chromium	mg/kg	-	1.00	<1.00	No Standard	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Zinc	mg/kg	-	1.00	11.4	No Standard	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Physical Parameters							
Moisture	%	-	0.1	2.9	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

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P/O : RJN(2)-018/66
Project Name : Pluak Daeng
Project Location:

Lot ID: 2448828
Date Received : May 30, 2024
Date Reported : Jun 07, 2024
Report Number : 2979309-1

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 : Narunat thammasaro

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54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140
P/O : RJN(2)-018/66
Project Name : Pluak Daeng
Project Location:

Lot ID: 2448828
Date Received : May 30, 2024
Date Reported : Jun 07, 2024
Report Number : 2979309-1

Sample Number	2448828-3
Sampled Date	May 30, 2024 9:30 AM
Sample Description	Soil ที่ระดับความลึก 5 ซม.
Location	พื้นที่สีเขียวด้านทิศตะวันออก (S3)
Date Analysis Commenced	May 31, 2024
Condition of Sample	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
Metals Testing							
Aluminium	mg/kg	-	1.00	8253	No Standard	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Arsenic	mg/kg	-	0.50	8.30	≤25	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Cadmium	mg/kg	-	0.50	<0.50	≤762	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Copper	mg/kg	-	1.00	3.82	≤35040	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Hexavalent Chromium	mg/kg	-	1.00	<1.00	≤212	United States Environmental Protection Agency, EPA Method 3060 A and 7196 A	Bangkok
Mercury	mg/kg	-	0.10	<0.10	≤263	United States Environmental Protection Agency, EPA Method 7473	Bangkok
Nickel	mg/kg	-	1.00	3.11	≤5205	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Silver	mg/kg	-	1.00	<1.00	No Standard	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Trivalent Chromium	mg/kg	-	1.00	<1.00	No Standard	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Zinc	mg/kg	-	1.00	11.6	No Standard	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Physical Parameters							
Moisture	%	-	0.1	11.5	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

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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)-018/66
Project Name : Pluak Daeng
Project Location:

Lot ID: 2448828
Date Received : May 30, 2024
Date Reported : Jun 07, 2024
Report Number : 2979309-1

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 : Narunat thammasaro

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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)-018/66
Project Name : Pluak Daeng
Project Location:

Lot ID: 2448828
Date Received : May 30, 2024
Date Reported : Jun 07, 2024
Report Number : 2979309-1

Sample Number	2448828-4
Sampled Date	May 30, 2024 9:52 AM
Sample Description	Soil ที่ระดับความลึก 5 ซม.
Location	พื้นที่สีเขียวด้านทิศตะวันตก (S4)
Date Analysis Commenced	May 31, 2024
Condition of Sample	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
Metals Testing							
Aluminium	mg/kg	-	1.00	5810	No Standard	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Arsenic	mg/kg	-	0.50	10.6	≤25	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Cadmium	mg/kg	-	0.50	<0.50	≤762	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Copper	mg/kg	-	1.00	3.59	≤35040	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Hexavalent Chromium	mg/kg	-	1.00	<1.00	≤212	United States Environmental Protection Agency, EPA Method 3060 A and 7196 A	Bangkok
Mercury	mg/kg	-	0.10	<0.10	≤263	United States Environmental Protection Agency, EPA Method 7473	Bangkok
Nickel	mg/kg	-	1.00	2.91	≤5205	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Silver	mg/kg	-	1.00	<1.00	No Standard	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Trivalent Chromium	mg/kg	-	1.00	<1.00	No Standard	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Zinc	mg/kg	-	1.00	12.9	No Standard	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Physical Parameters							
Moisture	%	-	0.1	7.3	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

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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)-018/66
Project Name : Pluak Daeng
Project Location:

Lot ID: 2448828
Date Received : May 30, 2024
Date Reported : Jun 07, 2024
Report Number : 2979309-1

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 : Narunat thammasaro

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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)-018/66
Project Name : Pluak Daeng
Project Location:

Lot ID: 2448828
Date Received : May 30, 2024
Date Reported : Jun 07, 2024
Report Number : 2979309-1

Sample Number	2448828-5
Sampled Date	May 30, 2024 10:22 AM
Sample Description	Soil ที่ระดับความลึก 30 ซม.
Location	พื้นที่สีเขียวด้านทิศเหนือ (S1)
Date Analysis Commenced	May 31, 2024
Condition of Sample	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
Metals Testing							
Aluminium	mg/kg	-	1.00	1728	No Standard	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Arsenic	mg/kg	-	0.50	1.53	≤25	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Cadmium	mg/kg	-	0.50	<0.50	≤762	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Copper	mg/kg	-	1.00	1.48	≤35040	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Hexavalent Chromium	mg/kg	-	1.00	<1.00	≤212	United States Environmental Protection Agency, EPA Method 3060 A and 7196 A	Bangkok
Mercury	mg/kg	-	0.10	<0.10	≤263	United States Environmental Protection Agency, EPA Method 7473	Bangkok
Nickel	mg/kg	-	1.00	2.42	≤5205	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Silver	mg/kg	-	1.00	<1.00	No Standard	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Trivalent Chromium	mg/kg	-	1.00	<1.00	No Standard	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Zinc	mg/kg	-	1.00	2.99	No Standard	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Physical Parameters							
Moisture	%	-	0.1	4.5	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

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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)-018/66
Project Name : Pluak Daeng
Project Location:

Lot ID: 2448828
Date Received : May 30, 2024
Date Reported : Jun 07, 2024
Report Number : 2979309-1

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 : Narunat thammasaro

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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)-018/66
Project Name : Pluak Daeng
Project Location:

Lot ID: 2448828
Date Received : May 30, 2024
Date Reported : Jun 07, 2024
Report Number : 2979309-1

Sample Number	2448828-6
Sampled Date	May 30, 2024 9:16 AM
Sample Description	Soil ที่ระดับความลึก 30 ซม.
Location	พื้นที่สีเขียนด้านทิศใต้ (S2)
Date Analysis Commenced	May 31, 2024
Condition of Sample	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
Metals Testing							
Aluminium	mg/kg	-	1.00	2753	No Standard	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Arsenic	mg/kg	-	0.50	2.08	≤25	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Cadmium	mg/kg	-	0.50	<0.50	≤762	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Copper	mg/kg	-	1.00	1.85	≤35040	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Hexavalent Chromium	mg/kg	-	1.00	<1.00	≤212	United States Environmental Protection Agency, EPA Method 3060 A and 7196 A	Bangkok
Mercury	mg/kg	-	0.10	<0.10	≤263	United States Environmental Protection Agency, EPA Method 7473	Bangkok
Nickel	mg/kg	-	1.00	1.69	≤5205	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Silver	mg/kg	-	1.00	<1.00	No Standard	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Trivalent Chromium	mg/kg	-	1.00	<1.00	No Standard	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Zinc	mg/kg	-	1.00	4.85	No Standard	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Physical Parameters							
Moisture	%	-	0.1	4.3	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

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.

Approved by

Chanattagarn Imchom
Section Head

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)-018/66
Project Name : Pluak Daeng
Project Location:

Lot ID: 2448828
Date Received : May 30, 2024
Date Reported : Jun 07, 2024
Report Number : 2979309-1

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 : Narunat thammasaro

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

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Approved by

Chanattagarn Imchom
Section Head

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)-018/66
Project Name : Pluak Daeng
Project Location:

Lot ID: 2448828
Date Received : May 30, 2024
Date Reported : Jun 07, 2024
Report Number : 2979309-1

Sample Number	2448828-7
Sampled Date	May 30, 2024 9:40 AM
Sample Description	Soil ที่ระดับความลึก 30 ซม.
Location	พื้นที่สีเขียวด้านทิศตะวันออก (S3)
Date Analysis Commenced	May 31, 2024
Condition of Sample	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
Metals Testing							
Aluminium	mg/kg	-	1.00	4475	No Standard	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Arsenic	mg/kg	-	0.50	10.8	≤25	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Cadmium	mg/kg	-	0.50	<0.50	≤762	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Copper	mg/kg	-	1.00	2.86	≤35040	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Hexavalent Chromium	mg/kg	-	1.00	<1.00	≤212	United States Environmental Protection Agency, EPA Method 3060 A and 7196 A	Bangkok
Mercury	mg/kg	-	0.10	<0.10	≤263	United States Environmental Protection Agency, EPA Method 7473	Bangkok
Nickel	mg/kg	-	1.00	4.81	≤5205	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Silver	mg/kg	-	1.00	<1.00	No Standard	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Trivalent Chromium	mg/kg	-	1.00	<1.00	No Standard	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Zinc	mg/kg	-	1.00	6.86	No Standard	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Physical Parameters							
Moisture	%	-	0.1	6.6	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

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Chanattagarn Imchom
Section Head

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)-018/66
Project Name : Pluak Daeng
Project Location :

Lot ID: 2448828
Date Received : May 30, 2024
Date Reported : Jun 07, 2024
Report Number : 2979309-1

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 : Narunat thammasaro

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

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Chanattagarn Imchom
Section Head

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)-018/66
Project Name : Pluak Daeng
Project Location:

Lot ID: 2448828
Date Received : May 30, 2024
Date Reported : Jun 07, 2024
Report Number : 2979309-1

Sample Number	2448828-8
Sampled Date	May 30, 2024 10:05 AM
Sample Description	Soil ที่ระดับความลึก 30 ซม.
Location	พื้นที่สีเขียวด้านทิศตะวันตก (S4)
Date Analysis Commenced	May 31, 2024
Condition of Sample	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
Metals Testing							
Aluminium	mg/kg	-	1.00	5790	No Standard	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Arsenic	mg/kg	-	0.50	9.61	≤25	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Cadmium	mg/kg	-	0.50	<0.50	≤762	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Copper	mg/kg	-	1.00	3.35	≤35040	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Hexavalent Chromium	mg/kg	-	1.00	<1.00	≤212	United States Environmental Protection Agency, EPA Method 3060 A and 7196 A	Bangkok
Mercury	mg/kg	-	0.10	<0.10	≤263	United States Environmental Protection Agency, EPA Method 7473	Bangkok
Nickel	mg/kg	-	1.00	4.80	≤5205	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Silver	mg/kg	-	1.00	<1.00	No Standard	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Trivalent Chromium	mg/kg	-	1.00	<1.00	No Standard	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Zinc	mg/kg	-	1.00	10.9	No Standard	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Physical Parameters							
Moisture	%	-	0.1	7.6	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

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Chanattagarn Imchom
Section Head

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)-018/66
Project Name : Pluak Daeng
Project Location:

Lot ID: 2448828
Date Received : May 30, 2024
Date Reported : Jun 07, 2024
Report Number : 2979309-1

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 : Narunat thammasaro

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

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.

Approved by

Chanattagarn Imchom
Section Head

ภาคผนวก ค-09

ระดับเสียงโดยทั่วไป

Analysis / Test Report

LABORATORY ACCREDITATION BLA-DSS
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)-018/66
Project Name : Pluak Daeng
Project Location :

Lot ID: 2448803
Date Received : May 16, 2024
Date Reported : May 23, 2024
Report Number: 3000209-1

Sample Number	2448803-1
Parameter	Noise (Leq 24 hrs.)
Location	บ้านวังตาลหม่อน (N1) (GPS 47P 0734083, 1432148)
Measurement Date	May 07 - May 08, 2024
Measurement by	Saknarin Jaraskay
Sound Level meter	Serial No. 920833

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:00 PM - 04:00 PM	63.2	84.3	48.3
04:00 PM - 05:00 PM	61.3	82.6	47.8
05:00 PM - 06:00 PM	61.0	91.9	48.6
06:00 PM - 07:00 PM	63.4	83.5	49.7
07:00 PM - 08:00 PM	64.2	85.1	50.3
08:00 PM - 09:00 PM	63.2	86.7	49.5
09:00 PM - 10:00 PM	62.3	89.0	53.4
10:00 PM - 11:00 PM	57.3	80.6	50.1
11:00 PM - 12:00 AM	57.3	82.1	48.9
12:00 AM - 01:00 AM	57.4	79.4	49.3
01:00 AM - 02:00 AM	51.8	70.6	45.6
02:00 AM - 03:00 AM	51.3	73.1	44.8
03:00 AM - 04:00 AM	48.7	65.7	44.5
04:00 AM - 05:00 AM	47.9	66.4	43.9
05:00 AM - 06:00 AM	45.6	65.2	43.6
06:00 AM - 07:00 AM	46.8	65.8	43.7
07:00 AM - 08:00 AM	46.7	72.0	41.5
08:00 AM - 09:00 AM	49.9	69.1	41.8
09:00 AM - 10:00 AM	53.3	75.9	45.2
10:00 AM - 11:00 AM	59.0	80.5	50.6
11:00 AM - 12:00 PM	62.2	85.0	52.2
12:00 PM - 01:00 PM	60.8	80.4	50.2
01:00 PM - 02:00 PM	61.0	83.2	50.3
02:00 PM - 03:00 PM	61.8	86.2	50.5
Leq Average 24 hrs. (dB(A))	59.7		
Lmax (dB(A))		91.9	
L90 (dB(A))			48.6
Ldn (dB(A))	62.4		
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 Kulsuriwong
Scientist (4)

Approved by
Supot Salamteh
Section Head

Analysis / Test Report

LABORATORY ACCREDITATION BLA-DSS
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)-018/66
Project Name : Pluak Daeng
Project Location :

Lot ID: 2448803
Date Received : May 16, 2024
Date Reported : May 23, 2024
Report Number: 3000210-1

Sample Number	2448803-2
Parameter	Noise (Leq 24 hrs.)
Location	บ้านวังตาลหม่อน (N1) (GPS 47P 0734083, 1432148)
Measurement Date	May 08 - May 09, 2024
Measurement by	Saknarin Jaraskay
Sound Level meter	Serial No. 920833

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:00 PM - 04:00 PM	62.9	81.7	53.3
04:00 PM - 05:00 PM	61.3	87.1	50.1
05:00 PM - 06:00 PM	66.1	90.2	63.6
06:00 PM - 07:00 PM	60.6	80.9	52.9
07:00 PM - 08:00 PM	59.9	83.2	53.7
08:00 PM - 09:00 PM	64.5	84.7	53.6
09:00 PM - 10:00 PM	64.4	86.4	55.6
10:00 PM - 11:00 PM	61.4	85.3	51.9
11:00 PM - 12:00 AM	59.8	82.9	50.9
12:00 AM - 01:00 AM	59.6	89.2	50.3
01:00 AM - 02:00 AM	62.0	86.2	48.2
02:00 AM - 03:00 AM	53.7	74.1	46.6
03:00 AM - 04:00 AM	51.7	72.6	45.6
04:00 AM - 05:00 AM	49.2	69.4	44.8
05:00 AM - 06:00 AM	51.0	76.7	46.0
06:00 AM - 07:00 AM	48.9	71.7	44.7
07:00 AM - 08:00 AM	48.7	68.0	45.8
08:00 AM - 09:00 AM	52.8	75.8	46.1
09:00 AM - 10:00 AM	58.5	78.5	51.3
10:00 AM - 11:00 AM	64.5	88.9	56.3
11:00 AM - 12:00 PM	65.5	84.0	57.1
12:00 PM - 01:00 PM	64.5	85.5	55.1
01:00 PM - 02:00 PM	63.7	84.1	53.0
02:00 PM - 03:00 PM	63.2	85.4	52.2
Leq Average 24 hrs. (dB(A))	61.7		
Lmax (dB(A))		90.2	
L90 (dB(A))			51.3
Ldn (dB(A))	65.5		
Standard (dB(A))	70	115	

Reference Method : ISO1996-1 and 1996-2
Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548
Remark : The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management
Thanita Kulsuriwong
Scientist (4)

Approved by
Supot Salamteh
Section Head

Analysis / Test Report

LABORATORY ACCREDITATION BLA-DSS
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)-018/66
Project Name : Pluak Daeng
Project Location :

Lot ID: 2448803
Date Received : May 16, 2024
Date Reported : May 23, 2024
Report Number: 3000211-1

Sample Number	2448803-3
Parameter	Noise (Leq 24 hrs.)
Location	บ้านวังตาลหม่อน (N1) (GPS 47P 0734083, 1432148)
Measurement Date	May 09 - May 10, 2024
Measurement by	Saknarin Jaraskay
Sound Level meter	Serial No. 920833

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:00 PM - 04:00 PM	65.5	87.8	50.7
04:00 PM - 05:00 PM	63.2	83.3	50.9
05:00 PM - 06:00 PM	63.1	87.1	51.8
06:00 PM - 07:00 PM	65.5	84.8	52.5
07:00 PM - 08:00 PM	65.1	84.3	52.6
08:00 PM - 09:00 PM	66.0	90.2	52.6
09:00 PM - 10:00 PM	64.3	86.2	56.7
10:00 PM - 11:00 PM	60.8	84.1	53.6
11:00 PM - 12:00 AM	60.8	85.6	52.4
12:00 AM - 01:00 AM	60.9	82.9	52.8
01:00 AM - 02:00 AM	55.3	74.1	49.1
02:00 AM - 03:00 AM	54.8	76.6	48.3
03:00 AM - 04:00 AM	52.2	69.2	48.0
04:00 AM - 05:00 AM	51.4	69.9	47.4
05:00 AM - 06:00 AM	49.1	68.7	47.1
06:00 AM - 07:00 AM	50.3	69.3	47.2
07:00 AM - 08:00 AM	50.2	75.5	45.0
08:00 AM - 09:00 AM	53.4	72.6	45.3
09:00 AM - 10:00 AM	56.8	79.4	48.7
10:00 AM - 11:00 AM	62.5	84.0	54.1
11:00 AM - 12:00 PM	65.7	88.5	55.7
12:00 PM - 01:00 PM	64.3	83.9	53.7
01:00 PM - 02:00 PM	64.5	86.7	53.8
02:00 PM - 03:00 PM	63.6	82.4	53.5
Leq Average 24 hrs. (dB(A))	62.2		
Lmax (dB(A))		90.2	
L90 (dB(A))			51.8
Ldn (dB(A))	65.4		
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 Kulsuriwong
Scientist (4)

Approved by
Supot Salamteh
Section Head

Analysis / Test Report

LABORATORY ACCREDITATION BLA-DSS
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)-018/66
Project Name : Pluak Daeng
Project Location :

Lot ID: 2448803
Date Received : May 16, 2024
Date Reported : May 23, 2024
Report Number: 3000212-1

Sample Number	2448803-4
Parameter	Noise (Leq 24 hrs.)
Location	บ้านวังตาลหม่อน (N1) (GPS 47P 0734083, 1432148)
Measurement Date	May 10 - May 11, 2024
Measurement by	Saknarin Jaraskay
Sound Level meter	Serial No. 920833

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:00 PM - 04:00 PM	65.4	85.2	56.4
04:00 PM - 05:00 PM	61.5	82.1	53.3
05:00 PM - 06:00 PM	62.6	84.7	52.8
06:00 PM - 07:00 PM	64.3	85.5	56.3
07:00 PM - 08:00 PM	63.4	86.7	57.2
08:00 PM - 09:00 PM	66.9	88.2	56.9
09:00 PM - 10:00 PM	66.7	89.9	58.6
10:00 PM - 11:00 PM	65.4	89.1	55.8
11:00 PM - 12:00 AM	63.3	86.4	54.4
12:00 AM - 01:00 AM	61.2	84.5	53.5
01:00 AM - 02:00 AM	60.6	85.7	50.7
02:00 AM - 03:00 AM	57.2	77.6	50.1
03:00 AM - 04:00 AM	54.9	76.1	48.6
04:00 AM - 05:00 AM	51.6	71.8	47.2
05:00 AM - 06:00 AM	53.4	79.1	48.4
06:00 AM - 07:00 AM	51.3	74.1	47.1
07:00 AM - 08:00 AM	51.1	70.4	48.2
08:00 AM - 09:00 AM	55.2	78.2	48.5
09:00 AM - 10:00 AM	60.9	80.9	53.7
10:00 AM - 11:00 AM	64.8	86.6	56.4
11:00 AM - 12:00 PM	67.4	86.4	59.0
12:00 PM - 01:00 PM	65.9	85.4	57.1
01:00 PM - 02:00 PM	65.0	83.6	55.1
02:00 PM - 03:00 PM	64.6	84.7	54.5
Leq Average 24 hrs. (dB(A))	63.2		
Lmax (dB(A))		89.9	
L90 (dB(A))			53.7
Ldn (dB(A))	67.5		
Standard (dB(A))	70	115	

Reference Method : ISO1996-1 and 1996-2
Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548
Remark : The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management
Thanita Kulsuriwong
Scientist (4)

Approved by
Supot Salamteh
Section Head

Analysis / Test Report

LABORATORY ACCREDITATION BLA-DSS
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)-018/66
Project Name : Pluak Daeng
Project Location :

Lot ID: 2448803
Date Received : May 16, 2024
Date Reported : May 23, 2024
Report Number: 3000213-1

Sample Number	2448803-5
Parameter	Noise (Leq 24 hrs.)
Location	บ้านวังตาลหม่อน (N1) (GPS 47P 0734083, 1432148)
Measurement Date	May 11 - May 12, 2024
Measurement by	Saknarin Jaraskay
Sound Level meter	Serial No. 920833

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:00 PM - 04:00 PM	64.5	86.4	49.6
04:00 PM - 05:00 PM	61.7	81.9	49.5
05:00 PM - 06:00 PM	63.1	94.0	50.7
06:00 PM - 07:00 PM	65.5	85.6	51.8
07:00 PM - 08:00 PM	65.3	87.2	52.2
08:00 PM - 09:00 PM	65.3	88.8	51.6
09:00 PM - 10:00 PM	62.8	84.8	55.3
10:00 PM - 11:00 PM	59.4	82.7	52.2
11:00 PM - 12:00 AM	59.4	84.2	51.0
12:00 AM - 01:00 AM	59.5	81.5	51.4
01:00 AM - 02:00 AM	53.9	72.7	47.7
02:00 AM - 03:00 AM	53.4	75.2	46.9
03:00 AM - 04:00 AM	50.8	67.8	46.6
04:00 AM - 05:00 AM	50.0	68.5	46.0
05:00 AM - 06:00 AM	47.3	67.3	45.3
06:00 AM - 07:00 AM	48.1	67.1	45.0
07:00 AM - 08:00 AM	48.0	73.3	42.8
08:00 AM - 09:00 AM	51.2	70.4	43.1
09:00 AM - 10:00 AM	54.6	77.2	46.5
10:00 AM - 11:00 AM	60.3	81.8	51.9
11:00 AM - 12:00 PM	63.5	86.3	53.5
12:00 PM - 01:00 PM	62.1	81.7	51.5
01:00 PM - 02:00 PM	62.3	84.5	51.6
02:00 PM - 03:00 PM	63.1	87.5	51.8
Leq Average 24 hrs. (dB(A))	61.1		
Lmax (dB(A))		94.0	
L90 (dB(A))			50.7
Ldn (dB(A))	64.1		
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 Kulsuriwong
Scientist (4)

Approved by
Supot Salamteh
Section Head

Analysis / Test Report

LABORATORY ACCREDITATION BLA-DSS
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)-018/66
Project Name : Pluak Daeng
Project Location :

Lot ID: 2448803
Date Received : May 16, 2024
Date Reported : May 23, 2024
Report Number: 3000214-1

Sample Number	2448803-6
Parameter	Noise (Leq 24 hrs.)
Location	บ้านวังตาลหม่อน (N1) (GPS 47P 0734083, 1432148)
Measurement Date	May 12 - May 13, 2024
Measurement by	Saknarin Jaraskay
Sound Level meter	Serial No. 920833

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:00 PM - 04:00 PM	64.5	85.6	49.6
04:00 PM - 05:00 PM	62.6	83.9	49.1
05:00 PM - 06:00 PM	62.3	93.2	49.9
06:00 PM - 07:00 PM	64.7	84.8	51.0
07:00 PM - 08:00 PM	64.3	86.4	51.5
08:00 PM - 09:00 PM	64.5	88.0	50.8
09:00 PM - 10:00 PM	63.6	90.3	54.7
10:00 PM - 11:00 PM	58.6	81.9	51.4
11:00 PM - 12:00 AM	58.6	83.4	50.2
12:00 AM - 01:00 AM	58.7	80.7	50.6
01:00 AM - 02:00 AM	53.1	71.9	46.9
02:00 AM - 03:00 AM	52.6	74.4	46.1
03:00 AM - 04:00 AM	50.0	67.0	45.8
04:00 AM - 05:00 AM	49.2	67.7	45.2
05:00 AM - 06:00 AM	46.9	66.5	44.9
06:00 AM - 07:00 AM	48.1	67.1	45.0
07:00 AM - 08:00 AM	48.0	73.3	42.8
08:00 AM - 09:00 AM	51.2	70.4	43.1
09:00 AM - 10:00 AM	54.6	77.2	46.5
10:00 AM - 11:00 AM	60.3	81.8	51.9
11:00 AM - 12:00 PM	63.5	86.3	53.5
12:00 PM - 01:00 PM	62.1	81.7	51.5
01:00 PM - 02:00 PM	62.3	84.5	51.6
02:00 PM - 03:00 PM	63.1	87.5	51.8
Leq Average 24 hrs. (dB(A))	60.8		
Lmax (dB(A))		93.2	
L90 (dB(A))			49.9
Ldn (dB(A))	63.6		
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 Kulsuriwong
Scientist (4)

Approved by
Supot Salamteh
Section Head

Analysis / Test Report

LABORATORY ACCREDITATION BLA-DSS
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)-018/66
Project Name : Pluak Daeng
Project Location :

Lot ID: 2448803
Date Received : May 16, 2024
Date Reported : May 23, 2024
Report Number: 3000215-1

Sample Number	2448803-7
Parameter	Noise (Leq 24 hrs.)
Location	บ้านวังตาลหม่อน (N1) (GPS 47P 0734083, 1432148)
Measurement Date	May 13 - May 14, 2024
Measurement by	Saknarin Jaraskay
Sound Level meter	Serial No. 920833

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:00 PM - 04:00 PM	60.9	79.7	51.8
04:00 PM - 05:00 PM	59.9	85.6	48.7
05:00 PM - 06:00 PM	64.8	88.7	62.1
06:00 PM - 07:00 PM	60.9	87.8	51.8
07:00 PM - 08:00 PM	58.5	81.7	52.1
08:00 PM - 09:00 PM	63.1	84.2	53.0
09:00 PM - 10:00 PM	63.0	84.9	53.3
10:00 PM - 11:00 PM	59.2	78.5	50.2
11:00 PM - 12:00 AM	58.1	81.4	49.1
12:00 AM - 01:00 AM	58.2	87.7	48.8
01:00 AM - 02:00 AM	60.5	84.7	46.6
02:00 AM - 03:00 AM	52.2	72.6	45.1
03:00 AM - 04:00 AM	50.2	70.8	44.0
04:00 AM - 05:00 AM	47.5	65.5	43.3
05:00 AM - 06:00 AM	49.4	75.2	44.6
06:00 AM - 07:00 AM	47.1	70.2	42.9
07:00 AM - 08:00 AM	48.0	72.0	44.5
08:00 AM - 09:00 AM	51.2	74.3	44.9
09:00 AM - 10:00 AM	56.0	76.0	48.8
10:00 AM - 11:00 AM	63.0	86.4	52.8
11:00 AM - 12:00 PM	63.0	81.5	54.6
12:00 PM - 01:00 PM	62.7	83.0	53.5
01:00 PM - 02:00 PM	62.3	82.7	51.6
02:00 PM - 03:00 PM	62.7	84.4	50.9
Leq Average 24 hrs. (dB(A))	60.2		
Lmax (dB(A))		88.7	
L90 (dB(A))			49.1
Ldn (dB(A))	63.9		
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 Kulsuriwong
Scientist (4)

Approved by
Supot Salamteh
Section Head

Analysis / Test Report

LABORATORY ACCREDITATION BLA-DSS
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)-018/66
Project Name : Pluak Daeng
Project Location :

Lot ID: 2448803
Date Received : May 16, 2024
Date Reported : May 23, 2024
Report Number: 3000216-1

Sample Number	2448803-8
Parameter	Noise (Leq 24 hrs.)
Location	บ้านพักอาศัย หมู่ 2 ซ.มาบยางพร 15 (N2) (GPS 47P 0733648, 1434012)
Measurement Date	May 07 - May 08, 2024
Measurement by	Saknarin Jaraskay
Sound Level meter	Serial No. 920831

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:00 PM - 04:00 PM	59.6	79.8	46.0
04:00 PM - 05:00 PM	60.3	86.5	47.8
05:00 PM - 06:00 PM	62.4	83.4	49.6
06:00 PM - 07:00 PM	60.4	85.7	46.2
07:00 PM - 08:00 PM	62.4	82.6	48.4
08:00 PM - 09:00 PM	59.8	78.7	45.3
09:00 PM - 10:00 PM	58.0	82.9	41.4
10:00 PM - 11:00 PM	55.8	84.0	39.6
11:00 PM - 12:00 AM	56.9	79.2	40.1
12:00 AM - 01:00 AM	52.1	75.8	39.1
01:00 AM - 02:00 AM	46.2	68.1	39.8
02:00 AM - 03:00 AM	46.5	67.5	40.8
03:00 AM - 04:00 AM	48.1	70.3	40.7
04:00 AM - 05:00 AM	55.4	89.5	40.5
05:00 AM - 06:00 AM	58.5	78.8	44.8
06:00 AM - 07:00 AM	62.5	83.3	49.1
07:00 AM - 08:00 AM	65.6	83.8	56.1
08:00 AM - 09:00 AM	64.4	88.7	58.7
09:00 AM - 10:00 AM	61.3	86.7	55.0
10:00 AM - 11:00 AM	58.6	82.7	44.4
11:00 AM - 12:00 PM	62.9	88.5	45.1
12:00 PM - 01:00 PM	61.4	93.4	43.6
01:00 PM - 02:00 PM	56.5	81.6	43.4
02:00 PM - 03:00 PM	56.9	79.0	43.2
Leq Average 24 hrs. (dB(A))	60.2		
Lmax (dB(A))		93.4	
L90 (dB(A))			44.4
Ldn (dB(A))	64.0		
Standard (dB(A))	70	115	

Reference Method : ISO1996-1 and 1996-2
Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548
Remark : The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management
Thanita Kulsuriwong
Scientist (4)

Approved by
Supot Salamteh
Section Head

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)-018/66
Project Name : Pluak Daeng
Project Location :

Lot ID: 2448803
Date Received : May 16, 2024
Date Reported : May 23, 2024
Report Number: 3000217-1

Sample Number	2448803-9
Parameter	Noise (Leq 24 hrs.)
Location	บ้านพักอาศัย หมู่ 2 ซ.มาบยางพร 15 (N2) (GPS 47P 0733648, 1434012)
Measurement Date	May 08 - May 09, 2024
Measurement by	Saknarin Jaraskay
Sound Level meter	Serial No. 920831

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:00 PM - 04:00 PM	57.7	78.9	44.7
04:00 PM - 05:00 PM	60.4	84.8	45.9
05:00 PM - 06:00 PM	62.3	86.3	47.8
06:00 PM - 07:00 PM	60.6	83.3	46.9
07:00 PM - 08:00 PM	62.7	85.9	48.4
08:00 PM - 09:00 PM	61.8	86.5	46.2
09:00 PM - 10:00 PM	58.1	82.8	41.9
10:00 PM - 11:00 PM	52.3	74.2	39.3
11:00 PM - 12:00 AM	52.0	78.9	39.0
12:00 AM - 01:00 AM	52.0	77.7	37.9
01:00 AM - 02:00 AM	50.8	79.8	37.5
02:00 AM - 03:00 AM	50.1	79.5	38.6
03:00 AM - 04:00 AM	47.5	68.0	40.5
04:00 AM - 05:00 AM	57.6	86.0	41.6
05:00 AM - 06:00 AM	58.0	81.5	41.8
06:00 AM - 07:00 AM	61.5	81.3	48.0
07:00 AM - 08:00 AM	65.2	87.5	51.5
08:00 AM - 09:00 AM	62.0	87.5	44.9
09:00 AM - 10:00 AM	59.2	83.4	44.0
10:00 AM - 11:00 AM	59.5	83.8	45.4
11:00 AM - 12:00 PM	60.7	85.4	46.4
12:00 PM - 01:00 PM	59.7	84.2	45.5
01:00 PM - 02:00 PM	59.1	80.5	43.8
02:00 PM - 03:00 PM	60.3	83.2	46.9
Leq Average 24 hrs. (dB(A))	59.7		
Lmax (dB(A))		87.5	
L90 (dB(A))			44.7
Ldn (dB(A))	63.4		
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 Kulsuriwong
Scientist (4)

Approved by
Supot Salamteh
Section Head

Analysis / Test Report

LABORATORY ACCREDITATION BLA-DSS
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)-018/66
Project Name : Pluak Daeng
Project Location :

Lot ID: 2448803
Date Received : May 16, 2024
Date Reported : May 23, 2024
Report Number: 3000218-1

Sample Number	2448803-10
Parameter	Noise (Leq 24 hrs.)
Location	บ้านพักอาศัย หมู่ 2 ซ.มาบยางพร 15 (N2) (GPS 47P 0733648, 1434012)
Measurement Date	May 09 - May 10, 2024
Measurement by	Saknarin Jaraskay
Sound Level meter	Serial No. 920831

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:00 PM - 04:00 PM	65.6	87.1	57.3
04:00 PM - 05:00 PM	63.1	88.2	55.1
05:00 PM - 06:00 PM	62.8	84.4	49.0
06:00 PM - 07:00 PM	62.1	87.5	46.0
07:00 PM - 08:00 PM	63.7	89.8	50.4
08:00 PM - 09:00 PM	61.8	86.5	45.8
09:00 PM - 10:00 PM	55.2	77.8	39.9
10:00 PM - 11:00 PM	53.4	75.3	39.3
11:00 PM - 12:00 AM	51.0	76.4	38.3
12:00 AM - 01:00 AM	56.6	90.7	37.2
01:00 AM - 02:00 AM	49.2	77.5	38.1
02:00 AM - 03:00 AM	49.2	79.7	38.3
03:00 AM - 04:00 AM	48.6	71.8	39.2
04:00 AM - 05:00 AM	52.0	75.7	41.0
05:00 AM - 06:00 AM	57.5	82.5	43.0
06:00 AM - 07:00 AM	61.9	80.5	48.6
07:00 AM - 08:00 AM	64.5	84.4	52.8
08:00 AM - 09:00 AM	61.7	88.4	45.4
09:00 AM - 10:00 AM	61.2	89.9	44.2
10:00 AM - 11:00 AM	58.6	82.7	44.6
11:00 AM - 12:00 PM	60.0	84.5	46.5
12:00 PM - 01:00 PM	61.6	87.5	46.1
01:00 PM - 02:00 PM	56.3	74.8	45.8
02:00 PM - 03:00 PM	57.9	82.5	46.5
Leq Average 24 hrs. (dB(A))	60.4		
Lmax (dB(A))		90.7	
L90 (dB(A))			45.4
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 Kulsuriwong
Scientist (4)

Approved by
Supot Salamteh
Section Head

Analysis / Test Report

LABORATORY ACCREDITATION BLA-DSS
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)-018/66
Project Name : Pluak Daeng
Project Location :

Lot ID: 2448803
Date Received : May 16, 2024
Date Reported : May 23, 2024
Report Number: 3000219-1

Sample Number	2448803-11
Parameter	Noise (Leq 24 hrs.)
Location	บ้านพักอาศัย หมู่ 2 ซ.มาบยางพร 15 (N2) (GPS 47P 0733648, 1434012)
Measurement Date	May 10 - May 11, 2024
Measurement by	Saknarin Jaraskay
Sound Level meter	Serial No. 920831

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:00 PM - 04:00 PM	60.5	90.8	45.9
04:00 PM - 05:00 PM	61.3	88.8	48.0
05:00 PM - 06:00 PM	63.2	88.8	49.8
06:00 PM - 07:00 PM	61.2	84.2	47.2
07:00 PM - 08:00 PM	62.0	83.4	48.9
08:00 PM - 09:00 PM	61.3	88.3	45.6
09:00 PM - 10:00 PM	57.6	81.1	41.5
10:00 PM - 11:00 PM	58.4	86.9	40.8
11:00 PM - 12:00 AM	54.7	75.5	40.8
12:00 AM - 01:00 AM	54.1	79.8	41.1
01:00 AM - 02:00 AM	51.3	78.6	40.1
02:00 AM - 03:00 AM	43.9	68.7	37.2
03:00 AM - 04:00 AM	52.9	72.9	37.5
04:00 AM - 05:00 AM	51.9	71.1	38.6
05:00 AM - 06:00 AM	56.5	82.0	41.3
06:00 AM - 07:00 AM	60.2	83.3	45.4
07:00 AM - 08:00 AM	64.2	86.8	52.0
08:00 AM - 09:00 AM	60.9	83.6	45.1
09:00 AM - 10:00 AM	58.7	82.1	42.7
10:00 AM - 11:00 AM	57.6	79.1	41.4
11:00 AM - 12:00 PM	59.8	85.1	43.5
12:00 PM - 01:00 PM	59.5	83.0	46.0
01:00 PM - 02:00 PM	59.4	87.4	45.7
02:00 PM - 03:00 PM	57.2	79.3	42.4
Leq Average 24 hrs. (dB(A))	59.4		
Lmax (dB(A))		90.8	
L90 (dB(A))			42.7
Ldn (dB(A))	63.2		
Standard (dB(A))	70	115	

Reference Method : ISO1996-1 and 1996-2
Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548
Remark : The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management
Thanita Kulsuriwong
Scientist (4)

Approved by
Supot Salamteh
Section Head

Analysis / Test Report

LABORATORY ACCREDITATION BLA-DSS
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)-018/66
Project Name : Pluak Daeng
Project Location :

Lot ID: 2448803
Date Received : May 16, 2024
Date Reported : May 23, 2024
Report Number: 3000220-1

Sample Number	2448803-12
Parameter	Noise (Leq 24 hrs.)
Location	บ้านพักอาศัย หมู่ 2 ซ.มาบยางพร 15 (N2) (GPS 47P 0733648, 1434012)
Measurement Date	May 11 - May 12, 2024
Measurement by	Saknarin Jaraskay
Sound Level meter	Serial No. 920831

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:00 PM - 04:00 PM	58.8	86.9	41.8
04:00 PM - 05:00 PM	62.2	89.5	45.7
05:00 PM - 06:00 PM	62.8	84.5	48.6
06:00 PM - 07:00 PM	60.9	83.1	47.2
07:00 PM - 08:00 PM	60.9	85.4	45.2
08:00 PM - 09:00 PM	58.3	79.8	44.0
09:00 PM - 10:00 PM	56.8	83.3	41.0
10:00 PM - 11:00 PM	57.1	87.5	41.9
11:00 PM - 12:00 AM	54.4	81.2	40.5
12:00 AM - 01:00 AM	53.7	78.7	39.8
01:00 AM - 02:00 AM	54.6	87.7	38.6
02:00 AM - 03:00 AM	47.7	70.4	38.3
03:00 AM - 04:00 AM	47.9	68.2	38.4
04:00 AM - 05:00 AM	53.9	76.1	38.3
05:00 AM - 06:00 AM	56.5	79.2	41.5
06:00 AM - 07:00 AM	59.5	81.8	43.7
07:00 AM - 08:00 AM	62.0	83.5	45.9
08:00 AM - 09:00 AM	61.3	88.8	40.9
09:00 AM - 10:00 AM	56.7	79.9	41.7
10:00 AM - 11:00 AM	56.8	77.8	40.5
11:00 AM - 12:00 PM	58.9	81.1	41.0
12:00 PM - 01:00 PM	58.5	81.8	39.9
01:00 PM - 02:00 PM	56.7	77.1	44.3
02:00 PM - 03:00 PM	56.6	80.2	43.2
Leq Average 24 hrs. (dB(A))	58.6		
Lmax (dB(A))		89.5	
L90 (dB(A))			41.5
Ldn (dB(A))	62.7		
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 Kulsuriwong
Scientist (4)

Approved by
Supot Salamteh
Section Head

Analysis / Test Report

LABORATORY ACCREDITATION BLA-DSS
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)-018/66
Project Name : Pluak Daeng
Project Location :

Lot ID: 2448803
Date Received : May 16, 2024
Date Reported : May 23, 2024
Report Number: 3000221-1

Sample Number	2448803-13
Parameter	Noise (Leq 24 hrs.)
Location	บ้านพักอาศัย หมู่ 2 ซ.มาบยางพร 15 (N2) (GPS 47P 0733648, 1434012)
Measurement Date	May 12 - May 13, 2024
Measurement by	Saknarin Jaraskay
Sound Level meter	Serial No. 920831

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:00 PM - 04:00 PM	56.3	78.2	42.2
04:00 PM - 05:00 PM	59.0	88.3	44.5
05:00 PM - 06:00 PM	61.6	87.5	47.5
06:00 PM - 07:00 PM	60.1	82.3	45.2
07:00 PM - 08:00 PM	58.6	79.3	42.4
08:00 PM - 09:00 PM	57.6	80.4	43.2
09:00 PM - 10:00 PM	54.4	79.9	40.2
10:00 PM - 11:00 PM	55.7	82.2	39.6
11:00 PM - 12:00 AM	53.7	79.7	39.6
12:00 AM - 01:00 AM	51.3	77.0	40.5
01:00 AM - 02:00 AM	50.2	79.3	41.0
02:00 AM - 03:00 AM	64.8	92.1	56.6
03:00 AM - 04:00 AM	63.2	84.5	54.6
04:00 AM - 05:00 AM	61.3	86.0	55.1
05:00 AM - 06:00 AM	61.3	89.7	55.3
06:00 AM - 07:00 AM	64.3	87.7	52.9
07:00 AM - 08:00 AM	64.8	86.7	53.7
08:00 AM - 09:00 AM	62.0	86.9	46.0
09:00 AM - 10:00 AM	59.1	85.4	45.5
10:00 AM - 11:00 AM	57.8	79.0	46.2
11:00 AM - 12:00 PM	60.3	83.1	46.4
12:00 PM - 01:00 PM	60.2	84.1	45.6
01:00 PM - 02:00 PM	57.6	80.7	47.0
02:00 PM - 03:00 PM	59.0	82.4	47.2
Leq Average 24 hrs. (dB(A))	60.4		
Lmax (dB(A))		92.1	
L90 (dB(A))			45.6
Ldn (dB(A))	67.3		
Standard (dB(A))	70	115	

Reference Method : ISO1996-1 and 1996-2
Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548
Remark : The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management
Thanita Kulsuriwong
Scientist (4)

Approved by
Supot Salamteh
Section Head

Analysis / Test Report

LABORATORY ACCREDITATION BLA-DSS
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)-018/66
Project Name : Pluak Daeng
Project Location :

Lot ID: 2448803
Date Received : May 16, 2024
Date Reported : May 23, 2024
Report Number: 3000222-1

Sample Number	2448803-14
Parameter	Noise (Leq 24 hrs.)
Location	บ้านพักอาศัย หมู่ 2 ซ.มาบยางพร 15 (N2) (GPS 47P 0733648, 1434012)
Measurement Date	May 13 - May 14, 2024
Measurement by	Saknarin Jaraskay
Sound Level meter	Serial No. 920831

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:00 PM - 04:00 PM	58.9	80.8	46.4
04:00 PM - 05:00 PM	59.4	81.6	49.4
05:00 PM - 06:00 PM	62.5	85.4	49.4
06:00 PM - 07:00 PM	60.6	80.0	46.3
07:00 PM - 08:00 PM	61.6	84.7	47.2
08:00 PM - 09:00 PM	61.4	83.1	47.4
09:00 PM - 10:00 PM	58.9	85.7	43.8
10:00 PM - 11:00 PM	51.5	70.3	43.0
11:00 PM - 12:00 AM	53.9	80.2	40.5
12:00 AM - 01:00 AM	53.6	83.1	39.1
01:00 AM - 02:00 AM	47.0	69.7	40.3
02:00 AM - 03:00 AM	46.2	75.1	40.2
03:00 AM - 04:00 AM	47.4	69.6	40.3
04:00 AM - 05:00 AM	53.9	78.9	39.3
05:00 AM - 06:00 AM	58.8	85.9	42.9
06:00 AM - 07:00 AM	62.1	82.2	49.3
07:00 AM - 08:00 AM	65.0	90.0	51.8
08:00 AM - 09:00 AM	62.3	84.3	45.7
09:00 AM - 10:00 AM	61.4	83.6	44.6
10:00 AM - 11:00 AM	59.8	83.9	45.8
11:00 AM - 12:00 PM	61.2	85.7	47.7
12:00 PM - 01:00 PM	62.8	88.7	47.3
01:00 PM - 02:00 PM	57.5	76.0	47.0
02:00 PM - 03:00 PM	59.1	83.7	47.7
Leq Average 24 hrs. (dB(A))	59.9		
Lmax (dB(A))		90.0	
L90 (dB(A))			45.8
Ldn (dB(A))	63.5		
Standard (dB(A))	70	115	

Reference Method : ISO1996-1 and 1996-2
Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548
Remark : The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management
Thanita Kulsuriwong
Scientist (4)

Approved by
Supot Salamteh
Section Head

Analysis / Test Report

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

Lot ID: 2448807
Date Received :May 16, 2024
Date Reported :May 23, 2024
Report Number : 3000106-1

P/O : RJN(2)-018/66
Project Name : Pluak Daeng
Project Location :

Sample Number 2448807-1
Parameter Noise Level (Leq 5 min)
Location บ้านวังตาลหม่อน (N1) (GPS 47P 0734083, 1432148)
Measurement Date May 07 - May 08, 2024
Measurement by Saknarin Jaraskay
Sound Level meter Serial No. 920833

May 07, 2024 Time	Leq dB(A)	L90 dB(A)	May 07, 2024 Time	Leq dB(A)	L90 dB(A)	May 07, 2024 Time	Leq dB(A)	L90 dB(A)
03:00 PM - 03:05 PM	68.5	53.2	05:40 PM - 05:45 PM	59.0	49.5	08:20 PM - 08:25 PM	59.6	46.0
03:05 PM - 03:10 PM	51.9	45.7	05:45 PM - 05:50 PM	55.1	46.7	08:25 PM - 08:30 PM	67.0	51.4
03:10 PM - 03:15 PM	64.6	48.2	05:50 PM - 05:55 PM	54.8	45.2	08:30 PM - 08:35 PM	64.1	48.1
03:15 PM - 03:20 PM	64.2	46.7	05:55 PM - 06:00 PM	54.4	47.3	08:35 PM - 08:40 PM	61.0	48.0
03:20 PM - 03:25 PM	54.8	48.6	06:00 PM - 06:05 PM	65.3	51.1	08:40 PM - 08:45 PM	60.8	48.7
03:25 PM - 03:30 PM	64.9	47.4	06:05 PM - 06:10 PM	57.5	50.8	08:45 PM - 08:50 PM	65.6	52.3
03:30 PM - 03:35 PM	57.2	48.3	06:10 PM - 06:15 PM	66.7	49.8	08:50 PM - 08:55 PM	64.9	50.2
03:35 PM - 03:40 PM	52.1	44.6	06:15 PM - 06:20 PM	59.6	50.1	08:55 PM - 09:00 PM	62.4	52.3
03:40 PM - 03:45 PM	65.9	46.3	06:20 PM - 06:25 PM	60.0	47.7	09:00 PM - 09:05 PM	61.0	56.5
03:45 PM - 03:50 PM	60.8	48.1	06:25 PM - 06:30 PM	58.9	48.1	09:05 PM - 09:10 PM	61.5	54.0
03:50 PM - 03:55 PM	62.4	46.6	06:30 PM - 06:35 PM	66.0	48.5	09:10 PM - 09:15 PM	63.1	54.0
03:55 PM - 04:00 PM	61.8	49.0	06:35 PM - 06:40 PM	61.9	49.4	09:15 PM - 09:20 PM	62.9	52.9
04:00 PM - 04:05 PM	68.1	49.1	06:40 PM - 06:45 PM	60.9	47.8	09:20 PM - 09:25 PM	59.1	54.0
04:05 PM - 04:10 PM	64.0	48.2	06:45 PM - 06:50 PM	66.8	51.5	09:25 PM - 09:30 PM	57.4	54.1
04:10 PM - 04:15 PM	60.6	49.7	06:50 PM - 06:55 PM	55.8	48.4	09:30 PM - 09:35 PM	62.5	55.0
04:15 PM - 04:20 PM	57.6	45.3	06:55 PM - 07:00 PM	64.5	50.6	09:35 PM - 09:40 PM	60.8	53.0
04:20 PM - 04:25 PM	50.4	44.7	07:00 PM - 07:05 PM	62.9	50.4	09:40 PM - 09:45 PM	57.9	49.8
04:25 PM - 04:30 PM	59.3	48.0	07:05 PM - 07:10 PM	58.0	45.6	09:45 PM - 09:50 PM	58.7	50.6
04:30 PM - 04:35 PM	56.2	47.2	07:10 PM - 07:15 PM	69.0	48.6	09:50 PM - 09:55 PM	68.4	51.3
04:35 PM - 04:40 PM	51.8	46.0	07:15 PM - 07:20 PM	57.7	47.4	09:55 PM - 10:00 PM	60.4	49.5
04:40 PM - 04:45 PM	51.9	46.1	07:20 PM - 07:25 PM	59.8	47.0	10:00 PM - 10:05 PM	57.4	49.1
04:45 PM - 04:50 PM	55.3	46.9	07:25 PM - 07:30 PM	64.5	49.3	10:05 PM - 10:10 PM	59.1	49.0
04:50 PM - 04:55 PM	64.5	50.8	07:30 PM - 07:35 PM	55.2	49.0	10:10 PM - 10:15 PM	53.9	47.6
04:55 PM - 05:00 PM	58.7	47.4	07:35 PM - 07:40 PM	63.3	49.6	10:15 PM - 10:20 PM	55.0	50.8
05:00 PM - 05:05 PM	61.3	48.7	07:40 PM - 07:45 PM	67.0	48.1	10:20 PM - 10:25 PM	58.7	50.7
05:05 PM - 05:10 PM	67.1	48.9	07:45 PM - 07:50 PM	67.0	54.8	10:25 PM - 10:30 PM	56.6	50.8
05:10 PM - 05:15 PM	61.3	48.3	07:50 PM - 07:55 PM	63.9	54.2	10:30 PM - 10:35 PM	60.8	51.0
05:15 PM - 05:20 PM	61.5	49.0	07:55 PM - 08:00 PM	61.7	48.5	10:35 PM - 10:40 PM	54.6	49.8
05:20 PM - 05:25 PM	61.9	48.7	08:00 PM - 08:05 PM	54.8	47.6	10:40 PM - 10:45 PM	55.0	50.2
05:25 PM - 05:30 PM	59.4	51.7	08:05 PM - 08:10 PM	58.9	48.3	10:45 PM - 10:50 PM	55.9	49.5
05:30 PM - 05:35 PM	57.9	47.2	08:10 PM - 08:15 PM	60.2	48.0	10:50 PM - 10:55 PM	56.8	50.2
05:35 PM - 05:40 PM	60.9	48.7	08:15 PM - 08:20 PM	65.5	48.1	10:55 PM - 11:00 PM	58.0	51.0

Approved by

Sarayuth Jittranont
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

Lot ID: 2448807
Date Received :May 16, 2024
Date Reported :May 23, 2024
Report Number : 3000106-1

P/O : RJN(2)-018/66
Project Name : Pluak Daeng
Project Location :

Sample Number 2448807-1
Parameter Noise Level (Leq 5 min)
Location บ้านวังตาลหม่อน (N1) (GPS 47P 0734083, 1432148)
Measurement Date May 07 - May 08, 2024
Measurement by Saknarin Jaraskay
Sound Level meter Serial No. 920833

May 07 - May 08, 2024 Time	Leq dB(A)	L90 dB(A)	May 08, 2024 Time	Leq dB(A)	L90 dB(A)	May 08, 2024 Time	Leq dB(A)	L90 dB(A)
11:00 PM - 11:05 PM	58.5	51.6	01:40 AM - 01:45 AM	48.4	44.1	04:20 AM - 04:25 AM	44.5	43.7
11:05 PM - 11:10 PM	58.0	49.4	01:45 AM - 01:50 AM	53.9	45.8	04:25 AM - 04:30 AM	48.9	44.1
11:10 PM - 11:15 PM	58.9	49.4	01:50 AM - 01:55 AM	50.8	45.2	04:30 AM - 04:35 AM	49.1	43.5
11:15 PM - 11:20 PM	56.5	48.9	01:55 AM - 02:00 AM	52.8	46.0	04:35 AM - 04:40 AM	45.7	43.2
11:20 PM - 11:25 PM	56.0	48.4	02:00 AM - 02:05 AM	50.8	45.8	04:40 AM - 04:45 AM	48.5	43.9
11:25 PM - 11:30 PM	57.5	48.8	02:05 AM - 02:10 AM	48.1	45.0	04:45 AM - 04:50 AM	46.4	43.2
11:30 PM - 11:35 PM	55.9	48.4	02:10 AM - 02:15 AM	50.7	45.0	04:50 AM - 04:55 AM	50.0	43.6
11:35 PM - 11:40 PM	53.3	46.9	02:15 AM - 02:20 AM	48.4	44.5	04:55 AM - 05:00 AM	46.2	43.0
11:40 PM - 11:45 PM	59.6	49.6	02:20 AM - 02:25 AM	52.6	45.1	05:00 AM - 05:05 AM	46.2	43.8
11:45 PM - 11:50 PM	57.0	47.2	02:25 AM - 02:30 AM	50.0	44.7	05:05 AM - 05:10 AM	47.0	43.4
11:50 PM - 11:55 PM	58.3	48.6	02:30 AM - 02:35 AM	50.6	45.7	05:10 AM - 05:15 AM	44.6	43.1
11:55 PM - 12:00 AM	53.5	47.7	02:35 AM - 02:40 AM	53.7	44.9	05:15 AM - 05:20 AM	45.7	43.7
12:00 AM - 12:05 AM	57.8	49.1	02:40 AM - 02:45 AM	51.3	45.5	05:20 AM - 05:25 AM	44.8	43.7
12:05 AM - 12:10 AM	56.8	49.8	02:45 AM - 02:50 AM	55.3	44.4	05:25 AM - 05:30 AM	45.1	43.5
12:10 AM - 12:15 AM	55.6	49.8	02:50 AM - 02:55 AM	44.7	43.0	05:30 AM - 05:35 AM	44.8	43.7
12:15 AM - 12:20 AM	54.8	50.3	02:55 AM - 03:00 AM	50.5	43.4	05:35 AM - 05:40 AM	46.2	43.3
12:20 AM - 12:25 AM	57.8	49.7	03:00 AM - 03:05 AM	49.8	44.4	05:40 AM - 05:45 AM	45.0	43.9
12:25 AM - 12:30 AM	54.5	50.7	03:05 AM - 03:10 AM	52.9	45.5	05:45 AM - 05:50 AM	45.4	43.8
12:30 AM - 12:35 AM	57.0	49.9	03:10 AM - 03:15 AM	48.0	44.6	05:50 AM - 05:55 AM	46.1	44.0
12:35 AM - 12:40 AM	54.0	49.6	03:15 AM - 03:20 AM	47.6	44.1	05:55 AM - 06:00 AM	45.3	43.7
12:40 AM - 12:45 AM	55.1	47.1	03:20 AM - 03:25 AM	49.6	44.4	06:00 AM - 06:05 AM	44.5	43.7
12:45 AM - 12:50 AM	58.7	49.4	03:25 AM - 03:30 AM	47.1	45.0	06:05 AM - 06:10 AM	44.7	43.2
12:50 AM - 12:55 AM	55.6	46.4	03:30 AM - 03:35 AM	48.0	44.5	06:10 AM - 06:15 AM	47.2	44.1
12:55 AM - 01:00 AM	62.6	47.9	03:35 AM - 03:40 AM	46.9	44.8	06:15 AM - 06:20 AM	46.4	44.2
01:00 AM - 01:05 AM	50.2	46.2	03:40 AM - 03:45 AM	49.3	45.0	06:20 AM - 06:25 AM	46.6	44.5
01:05 AM - 01:10 AM	49.8	46.1	03:45 AM - 03:50 AM	47.9	44.3	06:25 AM - 06:30 AM	48.1	44.8
01:10 AM - 01:15 AM	50.8	46.6	03:50 AM - 03:55 AM	44.8	43.7	06:30 AM - 06:35 AM	46.1	43.2
01:15 AM - 01:20 AM	52.6	46.4	03:55 AM - 04:00 AM	46.2	43.8	06:35 AM - 06:40 AM	46.0	43.3
01:20 AM - 01:25 AM	53.6	46.0	04:00 AM - 04:05 AM	47.2	44.1	06:40 AM - 06:45 AM	47.1	43.7
01:25 AM - 01:30 AM	50.4	45.0	04:05 AM - 04:10 AM	49.3	44.9	06:45 AM - 06:50 AM	45.8	43.3
01:30 AM - 01:35 AM	51.8	44.9	04:10 AM - 04:15 AM	49.6	44.6	06:50 AM - 06:55 AM	50.3	43.4
01:35 AM - 01:40 AM	52.5	44.7	04:15 AM - 04:20 AM	45.3	44.0	06:55 AM - 07:00 AM	44.8	42.7

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Approved by

Sarayuth Jittranont
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

Lot ID: 2448807
Date Received :May 16, 2024
Date Reported :May 23, 2024
Report Number : 3000106-1

P/O : RJN(2)-018/66
Project Name : Pluak Daeng
Project Location :

Sample Number 2448807-1
Parameter Noise Level (Leq 5 min)
Location **บ้านวังตาลหม่อน** (N1) (GPS 47P 0734083, 1432148)
Measurement Date May 07 - May 08, 2024
Measurement by Saknarin Jaraskay
Sound Level meter Serial No. 920833

May 08, 2024 Time	Leq dB(A)	L90 dB(A)	May 08, 2024 Time	Leq dB(A)	L90 dB(A)	May 08, 2024 Time	Leq dB(A)	L90 dB(A)
07:00 AM - 07:05 AM	54.7	43.0	09:40 AM - 09:45 AM	53.3	45.1	12:20 PM - 12:25 PM	63.0	51.8
07:05 AM - 07:10 AM	45.4	42.1	09:45 AM - 09:50 AM	50.7	45.3	12:25 PM - 12:30 PM	60.2	52.5
07:10 AM - 07:15 AM	43.7	42.1	09:50 AM - 09:55 AM	58.3	47.6	12:30 PM - 12:35 PM	55.6	50.1
07:15 AM - 07:20 AM	44.4	42.4	09:55 AM - 10:00 AM	55.5	47.1	12:35 PM - 12:40 PM	54.0	48.4
07:20 AM - 07:25 AM	45.6	41.6	10:00 AM - 10:05 AM	53.2	47.4	12:40 PM - 12:45 PM	61.4	49.7
07:25 AM - 07:30 AM	46.6	41.6	10:05 AM - 10:10 AM	54.0	46.6	12:45 PM - 12:50 PM	57.7	49.7
07:30 AM - 07:35 AM	41.9	41.0	10:10 AM - 10:15 AM	55.8	48.0	12:50 PM - 12:55 PM	55.7	47.4
07:35 AM - 07:40 AM	42.4	40.7	10:15 AM - 10:20 AM	56.4	47.5	12:55 PM - 01:00 PM	58.4	49.8
07:40 AM - 07:45 AM	42.2	40.5	10:20 AM - 10:25 AM	53.6	48.7	01:00 PM - 01:05 PM	60.1	52.0
07:45 AM - 07:50 AM	41.3	40.3	10:25 AM - 10:30 AM	55.2	49.1	01:05 PM - 01:10 PM	64.7	50.5
07:50 AM - 07:55 AM	43.2	40.9	10:30 AM - 10:35 AM	60.6	50.7	01:10 PM - 01:15 PM	58.2	46.5
07:55 AM - 08:00 AM	42.4	40.8	10:35 AM - 10:40 AM	58.6	50.5	01:15 PM - 01:20 PM	62.1	50.7
08:00 AM - 08:05 AM	44.8	40.8	10:40 AM - 10:45 AM	60.2	52.8	01:20 PM - 01:25 PM	56.5	49.6
08:05 AM - 08:10 AM	45.7	41.2	10:45 AM - 10:50 AM	57.1	51.5	01:25 PM - 01:30 PM	65.7	50.7
08:10 AM - 08:15 AM	47.2	40.5	10:50 AM - 10:55 AM	65.3	54.5	01:30 PM - 01:35 PM	57.9	50.4
08:15 AM - 08:20 AM	43.7	40.7	10:55 AM - 11:00 AM	58.9	51.9	01:35 PM - 01:40 PM	64.1	48.4
08:20 AM - 08:25 AM	46.3	41.2	11:00 AM - 11:05 AM	61.4	51.8	01:40 PM - 01:45 PM	55.3	49.1
08:25 AM - 08:30 AM	50.9	42.0	11:05 AM - 11:10 AM	66.0	54.6	01:45 PM - 01:50 PM	57.8	50.2
08:30 AM - 08:35 AM	50.4	42.3	11:10 AM - 11:15 AM	63.0	52.0	01:50 PM - 01:55 PM	55.1	51.0
08:35 AM - 08:40 AM	54.1	42.3	11:15 AM - 11:20 AM	62.0	52.5	01:55 PM - 02:00 PM	56.0	52.0
08:40 AM - 08:45 AM	49.5	42.0	11:20 AM - 11:25 AM	62.0	53.2	02:00 PM - 02:05 PM	62.8	50.6
08:45 AM - 08:50 AM	49.8	41.6	11:25 AM - 11:30 AM	61.9	52.8	02:05 PM - 02:10 PM	59.6	52.4
08:50 AM - 08:55 AM	50.3	42.3	11:30 AM - 11:35 AM	60.7	52.1	02:10 PM - 02:15 PM	68.3	52.7
08:55 AM - 09:00 AM	53.4	43.6	11:35 AM - 11:40 AM	60.1	51.6	02:15 PM - 02:20 PM	58.9	51.8
09:00 AM - 09:05 AM	48.3	43.2	11:40 AM - 11:45 AM	59.7	52.3	02:20 PM - 02:25 PM	58.8	50.4
09:05 AM - 09:10 AM	48.8	43.4	11:45 AM - 11:50 AM	60.2	51.2	02:25 PM - 02:30 PM	63.3	49.8
09:10 AM - 09:15 AM	50.2	43.0	11:50 AM - 11:55 AM	64.8	49.4	02:30 PM - 02:35 PM	61.9	50.3
09:15 AM - 09:20 AM	50.3	43.3	11:55 AM - 12:00 PM	58.5	51.1	02:35 PM - 02:40 PM	57.8	49.9
09:20 AM - 09:25 AM	49.6	44.5	12:00 PM - 12:05 PM	59.7	49.9	02:40 PM - 02:45 PM	57.9	49.6
09:25 AM - 09:30 AM	56.1	46.2	12:05 PM - 12:10 PM	63.9	49.1	02:45 PM - 02:50 PM	53.1	48.8
09:30 AM - 09:35 AM	54.4	46.5	12:10 PM - 12:15 PM	61.7	51.2	02:50 PM - 02:55 PM	55.3	48.5
09:35 AM - 09:40 AM	49.1	44.3	12:15 PM - 12:20 PM	64.5	50.8	02:55 PM - 03:00 PM	61.9	49.1

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Approved by

Sarayuth Jittranont
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

Lot ID: 2448807
Date Received :May 16, 2024
Date Reported :May 23, 2024
Report Number : 3000107-1

P/O : RJN(2)-018/66
Project Name : Pluak Daeng
Project Location :

Sample Number 2448807-2
Parameter Noise Level (Leq 5 min)
Location บ้านวังตาลหม่อน (N1) (GPS 47P 0734083, 1432148)
Measurement Date May 08 - May 09, 2024
Measurement by Saknarin Jaraskay
Sound Level meter Serial No. 920833

May 08, 2024 Time	Leq dB(A)	L90 dB(A)	May 08, 2024 Time	Leq dB(A)	L90 dB(A)	May 08, 2024 Time	Leq dB(A)	L90 dB(A)
03:00 PM - 03:05 PM	64.7	51.9	05:40 PM - 05:45 PM	68.1	67.2	08:20 PM - 08:25 PM	64.5	51.0
03:05 PM - 03:10 PM	59.9	51.6	05:45 PM - 05:50 PM	67.6	67.3	08:25 PM - 08:30 PM	64.2	51.1
03:10 PM - 03:15 PM	57.0	52.8	05:50 PM - 05:55 PM	67.9	67.2	08:30 PM - 08:35 PM	66.5	57.3
03:15 PM - 03:20 PM	65.2	53.1	05:55 PM - 06:00 PM	67.6	55.7	08:35 PM - 08:40 PM	61.4	55.0
03:20 PM - 03:25 PM	62.0	53.2	06:00 PM - 06:05 PM	63.2	50.5	08:40 PM - 08:45 PM	63.8	53.0
03:25 PM - 03:30 PM	63.0	53.9	06:05 PM - 06:10 PM	57.8	46.8	08:45 PM - 08:50 PM	69.9	54.9
03:30 PM - 03:35 PM	62.1	53.2	06:10 PM - 06:15 PM	59.5	49.1	08:50 PM - 08:55 PM	62.0	54.4
03:35 PM - 03:40 PM	62.7	53.8	06:15 PM - 06:20 PM	57.8	48.4	08:55 PM - 09:00 PM	65.0	54.0
03:40 PM - 03:45 PM	62.1	54.3	06:20 PM - 06:25 PM	56.1	53.7	09:00 PM - 09:05 PM	64.0	59.1
03:45 PM - 03:50 PM	67.3	54.0	06:25 PM - 06:30 PM	63.8	55.4	09:05 PM - 09:10 PM	65.8	55.7
03:50 PM - 03:55 PM	55.6	53.3	06:30 PM - 06:35 PM	63.4	49.6	09:10 PM - 09:15 PM	62.0	55.3
03:55 PM - 04:00 PM	60.6	53.8	06:35 PM - 06:40 PM	60.1	54.1	09:15 PM - 09:20 PM	63.8	55.4
04:00 PM - 04:05 PM	54.8	51.1	06:40 PM - 06:45 PM	58.8	54.8	09:20 PM - 09:25 PM	62.0	55.8
04:05 PM - 04:10 PM	60.4	52.9	06:45 PM - 06:50 PM	61.0	55.1	09:25 PM - 09:30 PM	64.0	54.4
04:10 PM - 04:15 PM	62.2	51.3	06:50 PM - 06:55 PM	58.2	55.5	09:30 PM - 09:35 PM	66.7	54.5
04:15 PM - 04:20 PM	58.5	48.4	06:55 PM - 07:00 PM	59.9	51.5	09:35 PM - 09:40 PM	67.7	52.6
04:20 PM - 04:25 PM	56.9	50.5	07:00 PM - 07:05 PM	58.9	52.4	09:40 PM - 09:45 PM	65.9	55.1
04:25 PM - 04:30 PM	69.6	51.6	07:05 PM - 07:10 PM	58.7	51.7	09:45 PM - 09:50 PM	59.9	54.3
04:30 PM - 04:35 PM	54.3	47.4	07:10 PM - 07:15 PM	55.0	49.8	09:50 PM - 09:55 PM	62.6	55.5
04:35 PM - 04:40 PM	57.5	48.1	07:15 PM - 07:20 PM	63.5	52.7	09:55 PM - 10:00 PM	60.6	55.8
04:40 PM - 04:45 PM	53.8	47.1	07:20 PM - 07:25 PM	59.6	53.8	10:00 PM - 10:05 PM	65.6	53.8
04:45 PM - 04:50 PM	59.0	48.9	07:25 PM - 07:30 PM	58.2	53.6	10:05 PM - 10:10 PM	63.2	49.9
04:50 PM - 04:55 PM	55.0	48.1	07:30 PM - 07:35 PM	60.2	55.2	10:10 PM - 10:15 PM	64.2	50.8
04:55 PM - 05:00 PM	57.9	51.1	07:35 PM - 07:40 PM	59.2	54.8	10:15 PM - 10:20 PM	62.2	50.0
05:00 PM - 05:05 PM	59.0	51.7	07:40 PM - 07:45 PM	57.6	55.0	10:20 PM - 10:25 PM	57.8	51.4
05:05 PM - 05:10 PM	68.6	50.8	07:45 PM - 07:50 PM	60.7	54.9	10:25 PM - 10:30 PM	58.4	52.2
05:10 PM - 05:15 PM	61.3	52.7	07:50 PM - 07:55 PM	62.4	53.0	10:30 PM - 10:35 PM	58.9	52.2
05:15 PM - 05:20 PM	59.9	52.6	07:55 PM - 08:00 PM	58.9	54.0	10:35 PM - 10:40 PM	62.0	52.1
05:20 PM - 05:25 PM	62.1	52.0	08:00 PM - 08:05 PM	60.0	51.7	10:40 PM - 10:45 PM	57.2	52.7
05:25 PM - 05:30 PM	58.0	51.1	08:05 PM - 08:10 PM	59.3	50.5	10:45 PM - 10:50 PM	59.5	52.3
05:30 PM - 05:35 PM	68.4	67.0	08:10 PM - 08:15 PM	59.0	52.2	10:50 PM - 10:55 PM	57.2	51.8
05:35 PM - 05:40 PM	67.6	67.3	08:15 PM - 08:20 PM	64.2	51.8	10:55 PM - 11:00 PM	60.3	52.4

Approved by

Sarayuth Jittranont
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

Lot ID: 2448807
Date Received :May 16, 2024
Date Reported :May 23, 2024
Report Number : 3000107-1

P/O : RJN(2)-018/66
Project Name : Pluak Daeng
Project Location :

Sample Number 2448807-2
Parameter Noise Level (Leq 5 min)
Location บ้านวังตาลหม่อน (N1) (GPS 47P 0734083, 1432148)
Measurement Date May 08 - May 09, 2024
Measurement by Saknarin Jaraskay
Sound Level meter Serial No. 920833

May 08 - May 09, 2024 Time	Leq dB(A)	L90 dB(A)	May 09, 2024 Time	Leq dB(A)	L90 dB(A)	May 09, 2024 Time	Leq dB(A)	L90 dB(A)
11:00 PM - 11:05 PM	58.9	52.2	01:40 AM - 01:45 AM	68.9	48.1	04:20 AM - 04:25 AM	46.8	44.7
11:05 PM - 11:10 PM	58.9	53.1	01:45 AM - 01:50 AM	67.5	51.0	04:25 AM - 04:30 AM	50.1	45.2
11:10 PM - 11:15 PM	62.2	52.6	01:50 AM - 01:55 AM	65.2	48.8	04:30 AM - 04:35 AM	47.9	44.9
11:15 PM - 11:20 PM	58.2	52.4	01:55 AM - 02:00 AM	59.7	49.5	04:35 AM - 04:40 AM	48.2	44.4
11:20 PM - 11:25 PM	64.6	52.1	02:00 AM - 02:05 AM	53.9	47.1	04:40 AM - 04:45 AM	46.3	44.9
11:25 PM - 11:30 PM	61.0	50.1	02:05 AM - 02:10 AM	50.3	45.6	04:45 AM - 04:50 AM	50.4	44.8
11:30 PM - 11:35 PM	58.2	49.8	02:10 AM - 02:15 AM	58.3	46.7	04:50 AM - 04:55 AM	48.3	44.3
11:35 PM - 11:40 PM	57.3	48.9	02:15 AM - 02:20 AM	52.7	47.0	04:55 AM - 05:00 AM	50.3	44.1
11:40 PM - 11:45 PM	59.3	49.0	02:20 AM - 02:25 AM	52.7	46.4	05:00 AM - 05:05 AM	51.7	45.5
11:45 PM - 11:50 PM	54.4	49.2	02:25 AM - 02:30 AM	54.8	46.5	05:05 AM - 05:10 AM	47.9	45.0
11:50 PM - 11:55 PM	54.7	48.9	02:30 AM - 02:35 AM	53.4	47.0	05:10 AM - 05:15 AM	46.8	45.7
11:55 PM - 12:00 AM	59.3	48.4	02:35 AM - 02:40 AM	55.6	47.4	05:15 AM - 05:20 AM	48.0	45.4
12:00 AM - 12:05 AM	53.4	48.3	02:40 AM - 02:45 AM	51.3	46.2	05:20 AM - 05:25 AM	50.2	45.5
12:05 AM - 12:10 AM	58.8	48.5	02:45 AM - 02:50 AM	51.0	46.8	05:25 AM - 05:30 AM	46.4	45.3
12:10 AM - 12:15 AM	66.7	50.6	02:50 AM - 02:55 AM	49.6	46.3	05:30 AM - 05:35 AM	58.4	46.2
12:15 AM - 12:20 AM	56.8	50.8	02:55 AM - 03:00 AM	52.4	46.2	05:35 AM - 05:40 AM	48.6	45.9
12:20 AM - 12:25 AM	58.4	51.1	03:00 AM - 03:05 AM	53.4	46.4	05:40 AM - 05:45 AM	46.6	45.1
12:25 AM - 12:30 AM	56.0	51.4	03:05 AM - 03:10 AM	54.6	46.4	05:45 AM - 05:50 AM	49.6	47.2
12:30 AM - 12:35 AM	62.9	52.0	03:10 AM - 03:15 AM	53.2	46.7	05:50 AM - 05:55 AM	48.6	47.4
12:35 AM - 12:40 AM	56.3	49.2	03:15 AM - 03:20 AM	50.7	45.8	05:55 AM - 06:00 AM	48.4	46.7
12:40 AM - 12:45 AM	56.7	50.2	03:20 AM - 03:25 AM	50.3	45.2	06:00 AM - 06:05 AM	50.4	47.3
12:45 AM - 12:50 AM	56.5	51.2	03:25 AM - 03:30 AM	52.8	46.1	06:05 AM - 06:10 AM	47.9	46.7
12:50 AM - 12:55 AM	55.1	49.2	03:30 AM - 03:35 AM	52.6	46.3	06:10 AM - 06:15 AM	45.6	43.5
12:55 AM - 01:00 AM	52.0	49.1	03:35 AM - 03:40 AM	49.2	45.0	06:15 AM - 06:20 AM	47.5	44.0
01:00 AM - 01:05 AM	55.8	48.2	03:40 AM - 03:45 AM	52.7	44.3	06:20 AM - 06:25 AM	45.6	44.0
01:05 AM - 01:10 AM	52.1	47.8	03:45 AM - 03:50 AM	47.9	44.0	06:25 AM - 06:30 AM	44.7	43.7
01:10 AM - 01:15 AM	54.4	48.2	03:50 AM - 03:55 AM	48.4	44.9	06:30 AM - 06:35 AM	45.8	43.9
01:15 AM - 01:20 AM	51.9	47.7	03:55 AM - 04:00 AM	48.6	44.7	06:35 AM - 06:40 AM	45.8	44.3
01:20 AM - 01:25 AM	51.6	46.9	04:00 AM - 04:05 AM	53.2	45.5	06:40 AM - 06:45 AM	49.0	44.4
01:25 AM - 01:30 AM	50.0	46.4	04:05 AM - 04:10 AM	47.5	44.9	06:45 AM - 06:50 AM	47.5	43.5
01:30 AM - 01:35 AM	52.8	46.5	04:10 AM - 04:15 AM	48.0	44.8	06:50 AM - 06:55 AM	50.6	44.1
01:35 AM - 01:40 AM	51.2	46.6	04:15 AM - 04:20 AM	48.6	45.3	06:55 AM - 07:00 AM	54.3	44.5

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Sarayuth Jittranont
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

Lot ID: 2448807
Date Received :May 16, 2024
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Project Name : Pluak Daeng
Project Location :

Sample Number 2448807-2
Parameter Noise Level (Leq 5 min)
Location **บ้านวังตาลหม่อน** (N1) (GPS 47P 0734083, 1432148)
Measurement Date May 08 - May 09, 2024
Measurement by Saknarin Jaraskay
Sound Level meter Serial No. 920833

May 09, 2024 Time	Leq dB(A)	L90 dB(A)	May 09, 2024 Time	Leq dB(A)	L90 dB(A)	May 09, 2024 Time	Leq dB(A)	L90 dB(A)
07:00 AM - 07:05 AM	47.7	45.2	09:40 AM - 09:45 AM	60.2	51.0	12:20 PM - 12:25 PM	60.3	55.1
07:05 AM - 07:10 AM	47.5	45.8	09:45 AM - 09:50 AM	59.5	51.3	12:25 PM - 12:30 PM	58.7	54.9
07:10 AM - 07:15 AM	47.1	45.0	09:50 AM - 09:55 AM	63.7	54.5	12:30 PM - 12:35 PM	61.4	54.2
07:15 AM - 07:20 AM	51.9	44.7	09:55 AM - 10:00 AM	57.5	52.2	12:35 PM - 12:40 PM	63.8	54.9
07:20 AM - 07:25 AM	46.8	44.7	10:00 AM - 10:05 AM	58.9	54.1	12:40 PM - 12:45 PM	63.9	53.7
07:25 AM - 07:30 AM	45.4	44.7	10:05 AM - 10:10 AM	58.7	53.2	12:45 PM - 12:50 PM	65.4	54.7
07:30 AM - 07:35 AM	48.7	45.6	10:10 AM - 10:15 AM	67.8	54.6	12:50 PM - 12:55 PM	59.8	54.7
07:35 AM - 07:40 AM	47.6	46.8	10:15 AM - 10:20 AM	59.9	54.0	12:55 PM - 01:00 PM	64.0	54.1
07:40 AM - 07:45 AM	47.1	45.7	10:20 AM - 10:25 AM	64.4	54.6	01:00 PM - 01:05 PM	63.0	54.1
07:45 AM - 07:50 AM	51.3	46.5	10:25 AM - 10:30 AM	64.4	54.1	01:05 PM - 01:10 PM	66.1	54.4
07:50 AM - 07:55 AM	49.9	47.2	10:30 AM - 10:35 AM	61.4	54.1	01:10 PM - 01:15 PM	63.5	54.4
07:55 AM - 08:00 AM	47.9	46.9	10:35 AM - 10:40 AM	61.8	55.2	01:15 PM - 01:20 PM	63.3	53.7
08:00 AM - 08:05 AM	54.0	47.1	10:40 AM - 10:45 AM	69.2	55.4	01:20 PM - 01:25 PM	59.8	52.3
08:05 AM - 08:10 AM	47.5	46.3	10:45 AM - 10:50 AM	65.3	56.5	01:25 PM - 01:30 PM	64.8	51.9
08:10 AM - 08:15 AM	46.2	45.6	10:50 AM - 10:55 AM	64.6	56.8	01:30 PM - 01:35 PM	62.6	53.4
08:15 AM - 08:20 AM	47.8	45.6	10:55 AM - 11:00 AM	63.1	62.4	01:35 PM - 01:40 PM	64.4	54.8
08:20 AM - 08:25 AM	47.1	44.8	11:00 AM - 11:05 AM	66.5	57.8	01:40 PM - 01:45 PM	68.5	53.4
08:25 AM - 08:30 AM	50.3	44.4	11:05 AM - 11:10 AM	66.5	58.1	01:45 PM - 01:50 PM	57.2	50.9
08:30 AM - 08:35 AM	48.1	45.2	11:10 AM - 11:15 AM	66.4	59.0	01:50 PM - 01:55 PM	57.2	49.5
08:35 AM - 08:40 AM	52.9	46.6	11:15 AM - 11:20 AM	66.6	58.0	01:55 PM - 02:00 PM	58.5	48.5
08:40 AM - 08:45 AM	53.0	46.1	11:20 AM - 11:25 AM	67.9	58.3	02:00 PM - 02:05 PM	57.4	46.5
08:45 AM - 08:50 AM	45.4	43.3	11:25 AM - 11:30 AM	63.8	56.7	02:05 PM - 02:10 PM	57.8	50.7
08:50 AM - 08:55 AM	49.3	45.2	11:30 AM - 11:35 AM	62.6	55.8	02:10 PM - 02:15 PM	58.0	46.8
08:55 AM - 09:00 AM	60.6	49.3	11:35 AM - 11:40 AM	66.2	56.5	02:15 PM - 02:20 PM	66.4	53.8
09:00 AM - 09:05 AM	53.1	49.6	11:40 AM - 11:45 AM	65.6	56.4	02:20 PM - 02:25 PM	68.2	51.9
09:05 AM - 09:10 AM	54.5	49.3	11:45 AM - 11:50 AM	58.9	53.7	02:25 PM - 02:30 PM	58.1	51.0
09:10 AM - 09:15 AM	53.6	49.2	11:50 AM - 11:55 AM	66.1	57.3	02:30 PM - 02:35 PM	54.2	48.8
09:15 AM - 09:20 AM	53.8	49.2	11:55 AM - 12:00 PM	63.3	55.3	02:35 PM - 02:40 PM	55.2	50.0
09:20 AM - 09:25 AM	60.2	51.5	12:00 PM - 12:05 PM	67.4	56.7	02:40 PM - 02:45 PM	64.7	55.6
09:25 AM - 09:30 AM	58.2	53.0	12:05 PM - 12:10 PM	63.4	56.6	02:45 PM - 02:50 PM	64.5	54.9
09:30 AM - 09:35 AM	57.7	50.1	12:10 PM - 12:15 PM	69.0	55.7	02:50 PM - 02:55 PM	61.0	53.5
09:35 AM - 09:40 AM	55.5	51.1	12:15 PM - 12:20 PM	64.9	54.4	02:55 PM - 03:00 PM	66.0	53.1

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Approved by

Sarayuth Jittranont
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

Lot ID: 2448807
Date Received :May 16, 2024
Date Reported :May 23, 2024
Report Number : 3000108-1

P/O : RJN(2)-018/66
Project Name : Pluak Daeng
Project Location :

Sample Number 2448807-3
Parameter Noise Level (Leq 5 min)
Location บ้านวังตาลหม่อน (N1) (GPS 47P 0734083, 1432148)
Measurement Date May 09 - May 10, 2024
Measurement by Saknarin Jaraskay
Sound Level meter Serial No. 920833

May 09, 2024 Time	Leq dB(A)	L90 dB(A)	May 09, 2024 Time	Leq dB(A)	L90 dB(A)	May 09, 2024 Time	Leq dB(A)	L90 dB(A)
03:00 PM - 03:05 PM	62.8	48.3	05:40 PM - 05:45 PM	62.5	53.0	08:20 PM - 08:25 PM	63.1	49.5
03:05 PM - 03:10 PM	55.4	49.2	05:45 PM - 05:50 PM	58.6	50.2	08:25 PM - 08:30 PM	63.7	48.7
03:10 PM - 03:15 PM	68.1	51.7	05:50 PM - 05:55 PM	58.3	48.7	08:30 PM - 08:35 PM	67.6	51.6
03:15 PM - 03:20 PM	67.7	50.2	05:55 PM - 06:00 PM	57.9	50.8	08:35 PM - 08:40 PM	64.5	51.5
03:20 PM - 03:25 PM	58.3	52.1	06:00 PM - 06:05 PM	68.8	54.6	08:40 PM - 08:45 PM	64.3	52.2
03:25 PM - 03:30 PM	68.4	50.9	06:05 PM - 06:10 PM	61.0	54.3	08:45 PM - 08:50 PM	69.1	55.8
03:30 PM - 03:35 PM	60.7	51.8	06:10 PM - 06:15 PM	60.4	48.3	08:50 PM - 08:55 PM	68.4	53.7
03:35 PM - 03:40 PM	55.6	48.1	06:15 PM - 06:20 PM	63.1	53.6	08:55 PM - 09:00 PM	65.9	55.8
03:40 PM - 03:45 PM	69.4	49.8	06:20 PM - 06:25 PM	63.5	51.2	09:00 PM - 09:05 PM	64.5	60.0
03:45 PM - 03:50 PM	64.3	51.6	06:25 PM - 06:30 PM	62.4	51.6	09:05 PM - 09:10 PM	65.0	57.5
03:50 PM - 03:55 PM	65.9	50.1	06:30 PM - 06:35 PM	69.5	52.0	09:10 PM - 09:15 PM	66.6	57.5
03:55 PM - 04:00 PM	65.3	52.5	06:35 PM - 06:40 PM	65.4	52.9	09:15 PM - 09:20 PM	66.4	56.4
04:00 PM - 04:05 PM	64.8	46.8	06:40 PM - 06:45 PM	64.4	51.3	09:20 PM - 09:25 PM	62.6	57.5
04:05 PM - 04:10 PM	67.5	51.7	06:45 PM - 06:50 PM	66.3	50.7	09:25 PM - 09:30 PM	60.9	57.6
04:10 PM - 04:15 PM	64.1	53.2	06:50 PM - 06:55 PM	59.3	51.9	09:30 PM - 09:35 PM	66.0	58.5
04:15 PM - 04:20 PM	61.1	48.8	06:55 PM - 07:00 PM	68.0	54.1	09:35 PM - 09:40 PM	64.3	56.5
04:20 PM - 04:25 PM	53.9	48.2	07:00 PM - 07:05 PM	66.4	53.9	09:40 PM - 09:45 PM	61.4	53.3
04:25 PM - 04:30 PM	62.8	51.5	07:05 PM - 07:10 PM	61.5	49.1	09:45 PM - 09:50 PM	62.2	54.1
04:30 PM - 04:35 PM	59.7	50.7	07:10 PM - 07:15 PM	61.3	47.8	09:50 PM - 09:55 PM	62.7	48.5
04:35 PM - 04:40 PM	55.3	49.5	07:15 PM - 07:20 PM	61.2	50.9	09:55 PM - 10:00 PM	63.9	53.0
04:40 PM - 04:45 PM	55.4	49.6	07:20 PM - 07:25 PM	63.3	50.5	10:00 PM - 10:05 PM	60.9	52.6
04:45 PM - 04:50 PM	58.8	50.4	07:25 PM - 07:30 PM	68.0	52.8	10:05 PM - 10:10 PM	62.6	52.5
04:50 PM - 04:55 PM	68.0	54.3	07:30 PM - 07:35 PM	58.7	52.5	10:10 PM - 10:15 PM	57.4	51.1
04:55 PM - 05:00 PM	62.2	50.9	07:35 PM - 07:40 PM	66.8	53.1	10:15 PM - 10:20 PM	58.5	54.3
05:00 PM - 05:05 PM	64.8	52.2	07:40 PM - 07:45 PM	64.6	48.8	10:20 PM - 10:25 PM	62.2	54.2
05:05 PM - 05:10 PM	62.5	47.3	07:45 PM - 07:50 PM	67.1	52.7	10:25 PM - 10:30 PM	60.1	54.3
05:10 PM - 05:15 PM	64.8	51.8	07:50 PM - 07:55 PM	67.4	57.7	10:30 PM - 10:35 PM	64.3	54.5
05:15 PM - 05:20 PM	65.0	52.5	07:55 PM - 08:00 PM	65.2	52.0	10:35 PM - 10:40 PM	58.1	53.3
05:20 PM - 05:25 PM	65.4	52.2	08:00 PM - 08:05 PM	58.3	51.1	10:40 PM - 10:45 PM	58.5	53.7
05:25 PM - 05:30 PM	62.9	55.2	08:05 PM - 08:10 PM	62.4	51.8	10:45 PM - 10:50 PM	59.4	53.0
05:30 PM - 05:35 PM	61.4	50.7	08:10 PM - 08:15 PM	63.7	51.5	10:50 PM - 10:55 PM	60.3	53.7
05:35 PM - 05:40 PM	64.4	52.2	08:15 PM - 08:20 PM	69.0	51.6	10:55 PM - 11:00 PM	61.5	54.5

Approved by

Sarayuth Jittranont
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

Lot ID: 2448807
Date Received :May 16, 2024
Date Reported :May 23, 2024
Report Number : 3000108-1

P/O : RJN(2)-018/66
Project Name : Pluak Daeng
Project Location :

Sample Number 2448807-3
Parameter Noise Level (Leq 5 min)
Location บ้านวังตาลหม่อน (N1) (GPS 47P 0734083, 1432148)
Measurement Date May 09 - May 10, 2024
Measurement by Saknarin Jaraskay
Sound Level meter Serial No. 920833

May 09 - May 10, 2024 Time	Leq dB(A)	L90 dB(A)	May 10, 2024 Time	Leq dB(A)	L90 dB(A)	May 10, 2024 Time	Leq dB(A)	L90 dB(A)
11:00 PM - 11:05 PM	62.0	55.1	01:40 AM - 01:45 AM	51.9	47.6	04:20 AM - 04:25 AM	48.0	47.2
11:05 PM - 11:10 PM	61.5	52.9	01:45 AM - 01:50 AM	57.4	49.3	04:25 AM - 04:30 AM	52.4	47.6
11:10 PM - 11:15 PM	62.4	52.9	01:50 AM - 01:55 AM	54.3	48.7	04:30 AM - 04:35 AM	52.6	47.0
11:15 PM - 11:20 PM	60.0	52.4	01:55 AM - 02:00 AM	56.3	49.5	04:35 AM - 04:40 AM	49.2	46.7
11:20 PM - 11:25 PM	59.5	51.9	02:00 AM - 02:05 AM	54.3	49.3	04:40 AM - 04:45 AM	52.0	47.4
11:25 PM - 11:30 PM	61.0	52.3	02:05 AM - 02:10 AM	51.6	48.5	04:45 AM - 04:50 AM	49.9	46.7
11:30 PM - 11:35 PM	59.4	51.9	02:10 AM - 02:15 AM	54.2	48.5	04:50 AM - 04:55 AM	53.5	47.1
11:35 PM - 11:40 PM	56.8	50.4	02:15 AM - 02:20 AM	51.9	48.0	04:55 AM - 05:00 AM	49.7	46.5
11:40 PM - 11:45 PM	63.1	53.1	02:20 AM - 02:25 AM	56.1	48.6	05:00 AM - 05:05 AM	49.7	47.3
11:45 PM - 11:50 PM	60.5	50.7	02:25 AM - 02:30 AM	53.5	48.2	05:05 AM - 05:10 AM	50.5	46.9
11:50 PM - 11:55 PM	61.8	52.1	02:30 AM - 02:35 AM	54.1	49.2	05:10 AM - 05:15 AM	48.1	46.6
11:55 PM - 12:00 AM	57.0	51.2	02:35 AM - 02:40 AM	57.2	48.4	05:15 AM - 05:20 AM	49.2	47.2
12:00 AM - 12:05 AM	61.3	52.6	02:40 AM - 02:45 AM	54.8	49.0	05:20 AM - 05:25 AM	48.3	47.2
12:05 AM - 12:10 AM	60.3	53.3	02:45 AM - 02:50 AM	58.8	47.9	05:25 AM - 05:30 AM	48.6	47.0
12:10 AM - 12:15 AM	59.1	53.3	02:50 AM - 02:55 AM	48.2	46.5	05:30 AM - 05:35 AM	48.3	47.2
12:15 AM - 12:20 AM	58.3	53.8	02:55 AM - 03:00 AM	54.0	46.9	05:35 AM - 05:40 AM	49.7	46.8
12:20 AM - 12:25 AM	61.3	53.2	03:00 AM - 03:05 AM	53.3	47.9	05:40 AM - 05:45 AM	48.5	47.4
12:25 AM - 12:30 AM	58.0	54.2	03:05 AM - 03:10 AM	56.4	49.0	05:45 AM - 05:50 AM	48.9	47.3
12:30 AM - 12:35 AM	60.5	53.4	03:10 AM - 03:15 AM	51.5	48.1	05:50 AM - 05:55 AM	49.6	47.5
12:35 AM - 12:40 AM	57.5	53.1	03:15 AM - 03:20 AM	51.1	47.6	05:55 AM - 06:00 AM	48.8	47.2
12:40 AM - 12:45 AM	58.6	50.6	03:20 AM - 03:25 AM	53.1	47.9	06:00 AM - 06:05 AM	48.0	47.2
12:45 AM - 12:50 AM	62.2	52.9	03:25 AM - 03:30 AM	50.6	48.5	06:05 AM - 06:10 AM	48.2	46.7
12:50 AM - 12:55 AM	59.1	49.9	03:30 AM - 03:35 AM	51.5	48.0	06:10 AM - 06:15 AM	50.7	47.6
12:55 AM - 01:00 AM	66.1	51.4	03:35 AM - 03:40 AM	50.4	48.3	06:15 AM - 06:20 AM	49.9	47.7
01:00 AM - 01:05 AM	53.7	49.7	03:40 AM - 03:45 AM	52.8	48.5	06:20 AM - 06:25 AM	50.1	48.0
01:05 AM - 01:10 AM	53.3	49.6	03:45 AM - 03:50 AM	51.4	47.8	06:25 AM - 06:30 AM	51.6	48.3
01:10 AM - 01:15 AM	54.3	50.1	03:50 AM - 03:55 AM	48.3	47.2	06:30 AM - 06:35 AM	49.6	46.7
01:15 AM - 01:20 AM	56.1	49.9	03:55 AM - 04:00 AM	49.7	47.3	06:35 AM - 06:40 AM	49.5	46.8
01:20 AM - 01:25 AM	57.1	49.5	04:00 AM - 04:05 AM	50.7	47.6	06:40 AM - 06:45 AM	50.6	47.2
01:25 AM - 01:30 AM	53.9	48.5	04:05 AM - 04:10 AM	52.8	48.4	06:45 AM - 06:50 AM	49.3	46.8
01:30 AM - 01:35 AM	55.3	48.4	04:10 AM - 04:15 AM	53.1	48.1	06:50 AM - 06:55 AM	53.8	46.9
01:35 AM - 01:40 AM	56.0	48.2	04:15 AM - 04:20 AM	48.8	47.5	06:55 AM - 07:00 AM	48.3	46.2

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Sarayuth Jittranont
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

Lot ID: 2448807
Date Received :May 16, 2024
Date Reported :May 23, 2024
Report Number : 3000108-1

P/O : RJN(2)-018/66
Project Name : Pluak Daeng
Project Location :

Sample Number 2448807-3
Parameter Noise Level (Leq 5 min)
Location **บ้านวังตาลหม่อน** (N1) (GPS 47P 0734083, 1432148)
Measurement Date May 09 - May 10, 2024
Measurement by Saknarin Jaraskay
Sound Level meter Serial No. 920833

May 10, 2024 Time	Leq dB(A)	L90 dB(A)	May 10, 2024 Time	Leq dB(A)	L90 dB(A)	May 10, 2024 Time	Leq dB(A)	L90 dB(A)
07:00 AM - 07:05 AM	58.2	46.5	09:40 AM - 09:45 AM	56.8	48.6	12:20 PM - 12:25 PM	66.5	55.3
07:05 AM - 07:10 AM	48.9	45.6	09:45 AM - 09:50 AM	54.2	48.8	12:25 PM - 12:30 PM	63.7	56.0
07:10 AM - 07:15 AM	47.2	45.6	09:50 AM - 09:55 AM	61.8	51.1	12:30 PM - 12:35 PM	59.1	53.6
07:15 AM - 07:20 AM	47.9	45.9	09:55 AM - 10:00 AM	59.0	50.6	12:35 PM - 12:40 PM	57.5	51.9
07:20 AM - 07:25 AM	49.1	45.1	10:00 AM - 10:05 AM	56.7	50.9	12:40 PM - 12:45 PM	64.9	53.2
07:25 AM - 07:30 AM	50.1	45.1	10:05 AM - 10:10 AM	57.5	50.1	12:45 PM - 12:50 PM	61.2	53.2
07:30 AM - 07:35 AM	45.4	44.5	10:10 AM - 10:15 AM	59.3	51.5	12:50 PM - 12:55 PM	59.2	50.9
07:35 AM - 07:40 AM	45.9	44.2	10:15 AM - 10:20 AM	59.9	51.0	12:55 PM - 01:00 PM	61.9	53.3
07:40 AM - 07:45 AM	45.7	44.0	10:20 AM - 10:25 AM	57.1	52.2	01:00 PM - 01:05 PM	63.6	55.5
07:45 AM - 07:50 AM	44.8	43.8	10:25 AM - 10:30 AM	58.7	52.6	01:05 PM - 01:10 PM	68.2	54.0
07:50 AM - 07:55 AM	46.7	44.4	10:30 AM - 10:35 AM	64.1	54.2	01:10 PM - 01:15 PM	61.7	50.0
07:55 AM - 08:00 AM	45.9	44.3	10:35 AM - 10:40 AM	62.1	54.0	01:15 PM - 01:20 PM	65.6	54.2
08:00 AM - 08:05 AM	48.3	44.3	10:40 AM - 10:45 AM	63.7	56.3	01:20 PM - 01:25 PM	60.0	53.1
08:05 AM - 08:10 AM	49.2	44.7	10:45 AM - 10:50 AM	60.6	55.0	01:25 PM - 01:30 PM	69.2	54.2
08:10 AM - 08:15 AM	50.7	44.0	10:50 AM - 10:55 AM	68.8	58.0	01:30 PM - 01:35 PM	61.4	53.9
08:15 AM - 08:20 AM	47.2	44.2	10:55 AM - 11:00 AM	62.4	55.4	01:35 PM - 01:40 PM	67.6	51.9
08:20 AM - 08:25 AM	49.8	44.7	11:00 AM - 11:05 AM	64.9	55.3	01:40 PM - 01:45 PM	58.8	52.6
08:25 AM - 08:30 AM	54.4	45.5	11:05 AM - 11:10 AM	69.5	58.1	01:45 PM - 01:50 PM	61.3	53.7
08:30 AM - 08:35 AM	53.9	45.8	11:10 AM - 11:15 AM	66.5	55.5	01:50 PM - 01:55 PM	58.6	54.5
08:35 AM - 08:40 AM	57.6	45.8	11:15 AM - 11:20 AM	65.5	56.0	01:55 PM - 02:00 PM	59.5	55.5
08:40 AM - 08:45 AM	53.0	45.5	11:20 AM - 11:25 AM	65.5	56.7	02:00 PM - 02:05 PM	66.3	54.1
08:45 AM - 08:50 AM	53.3	45.1	11:25 AM - 11:30 AM	65.4	56.3	02:05 PM - 02:10 PM	63.1	55.9
08:50 AM - 08:55 AM	53.8	45.8	11:30 AM - 11:35 AM	64.2	55.6	02:10 PM - 02:15 PM	62.5	48.8
08:55 AM - 09:00 AM	56.9	47.1	11:35 AM - 11:40 AM	63.6	55.1	02:15 PM - 02:20 PM	62.4	55.3
09:00 AM - 09:05 AM	51.8	46.7	11:40 AM - 11:45 AM	63.2	55.8	02:20 PM - 02:25 PM	62.3	53.9
09:05 AM - 09:10 AM	52.3	46.9	11:45 AM - 11:50 AM	63.7	54.7	02:25 PM - 02:30 PM	66.8	53.3
09:10 AM - 09:15 AM	53.7	46.5	11:50 AM - 11:55 AM	68.3	52.9	02:30 PM - 02:35 PM	65.4	53.8
09:15 AM - 09:20 AM	53.8	46.8	11:55 AM - 12:00 PM	62.0	54.6	02:35 PM - 02:40 PM	61.3	53.4
09:20 AM - 09:25 AM	53.1	48.0	12:00 PM - 12:05 PM	63.2	53.4	02:40 PM - 02:45 PM	61.4	53.1
09:25 AM - 09:30 AM	59.6	49.7	12:05 PM - 12:10 PM	67.4	52.6	02:45 PM - 02:50 PM	56.6	52.3
09:30 AM - 09:35 AM	57.9	50.0	12:10 PM - 12:15 PM	65.2	54.7	02:50 PM - 02:55 PM	58.8	52.0
09:35 AM - 09:40 AM	52.6	47.8	12:15 PM - 12:20 PM	68.0	54.3	02:55 PM - 03:00 PM	65.4	52.6

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Approved by

Sarayuth Jittranont
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

Lot ID: 2448807
Date Received :May 16, 2024
Date Reported :May 23, 2024
Report Number : 3000109-1

P/O : RJN(2)-018/66
Project Name : Pluak Daeng
Project Location :

Sample Number 2448807-4
Parameter Noise Level (Leq 5 min)
Location บ้านวังตาลหม่อน (N1) (GPS 47P 0734083, 1432148)
Measurement Date May 10 - May 11, 2024
Measurement by Saknarin Jaraskay
Sound Level meter Serial No. 920833

May 10, 2024 Time	Leq dB(A)	L90 dB(A)	May 10, 2024 Time	Leq dB(A)	L90 dB(A)	May 10, 2024 Time	Leq dB(A)	L90 dB(A)
03:00 PM - 03:05 PM	68.2	55.4	05:40 PM - 05:45 PM	58.8	46.7	08:20 PM - 08:25 PM	68.0	54.5
03:05 PM - 03:10 PM	63.4	55.1	05:45 PM - 05:50 PM	63.6	50.3	08:25 PM - 08:30 PM	67.7	54.6
03:10 PM - 03:15 PM	60.5	56.3	05:50 PM - 05:55 PM	62.9	48.2	08:30 PM - 08:35 PM	70.0	60.8
03:15 PM - 03:20 PM	68.7	56.6	05:55 PM - 06:00 PM	60.4	50.3	08:35 PM - 08:40 PM	64.9	58.5
03:20 PM - 03:25 PM	65.5	56.7	06:00 PM - 06:05 PM	66.7	54.0	08:40 PM - 08:45 PM	67.3	56.5
03:25 PM - 03:30 PM	66.5	57.4	06:05 PM - 06:10 PM	61.3	50.3	08:45 PM - 08:50 PM	67.8	57.0
03:30 PM - 03:35 PM	65.6	56.7	06:10 PM - 06:15 PM	63.0	52.6	08:50 PM - 08:55 PM	65.5	57.9
03:35 PM - 03:40 PM	66.2	57.3	06:15 PM - 06:20 PM	61.3	51.9	08:55 PM - 09:00 PM	68.5	57.5
03:40 PM - 03:45 PM	65.6	57.8	06:20 PM - 06:25 PM	59.6	57.2	09:00 PM - 09:05 PM	67.5	62.6
03:45 PM - 03:50 PM	62.8	47.4	06:25 PM - 06:30 PM	67.3	58.9	09:05 PM - 09:10 PM	69.3	59.2
03:50 PM - 03:55 PM	59.1	56.8	06:30 PM - 06:35 PM	67.8	48.3	09:10 PM - 09:15 PM	65.5	58.8
03:55 PM - 04:00 PM	64.1	57.3	06:35 PM - 06:40 PM	63.6	57.6	09:15 PM - 09:20 PM	67.3	58.9
04:00 PM - 04:05 PM	58.3	54.6	06:40 PM - 06:45 PM	62.3	58.3	09:20 PM - 09:25 PM	65.5	59.3
04:05 PM - 04:10 PM	63.9	56.4	06:45 PM - 06:50 PM	64.5	58.6	09:25 PM - 09:30 PM	67.5	57.9
04:10 PM - 04:15 PM	65.7	54.8	06:50 PM - 06:55 PM	61.7	59.0	09:30 PM - 09:35 PM	64.7	47.8
04:15 PM - 04:20 PM	62.0	51.9	06:55 PM - 07:00 PM	63.4	55.0	09:35 PM - 09:40 PM	65.1	46.9
04:20 PM - 04:25 PM	60.4	54.0	07:00 PM - 07:05 PM	62.4	55.9	09:40 PM - 09:45 PM	69.4	58.6
04:25 PM - 04:30 PM	60.0	51.2	07:05 PM - 07:10 PM	62.2	55.2	09:45 PM - 09:50 PM	63.4	57.8
04:30 PM - 04:35 PM	57.8	50.9	07:10 PM - 07:15 PM	58.5	53.3	09:50 PM - 09:55 PM	66.1	59.0
04:35 PM - 04:40 PM	61.0	51.6	07:15 PM - 07:20 PM	67.0	56.2	09:55 PM - 10:00 PM	64.1	59.3
04:40 PM - 04:45 PM	57.3	50.6	07:20 PM - 07:25 PM	63.1	57.3	10:00 PM - 10:05 PM	69.1	57.3
04:45 PM - 04:50 PM	62.5	52.4	07:25 PM - 07:30 PM	61.7	57.1	10:05 PM - 10:10 PM	69.4	57.6
04:50 PM - 04:55 PM	58.5	51.6	07:30 PM - 07:35 PM	63.7	58.7	10:10 PM - 10:15 PM	67.7	54.3
04:55 PM - 05:00 PM	61.4	54.6	07:35 PM - 07:40 PM	62.7	58.3	10:15 PM - 10:20 PM	65.7	53.5
05:00 PM - 05:05 PM	62.5	55.2	07:40 PM - 07:45 PM	61.1	58.5	10:20 PM - 10:25 PM	61.3	54.9
05:05 PM - 05:10 PM	61.0	50.0	07:45 PM - 07:50 PM	64.2	58.4	10:25 PM - 10:30 PM	61.9	55.7
05:10 PM - 05:15 PM	64.8	56.2	07:50 PM - 07:55 PM	65.9	56.5	10:30 PM - 10:35 PM	62.4	55.7
05:15 PM - 05:20 PM	63.4	56.1	07:55 PM - 08:00 PM	62.4	57.5	10:35 PM - 10:40 PM	65.5	55.6
05:20 PM - 05:25 PM	65.6	55.5	08:00 PM - 08:05 PM	63.5	55.2	10:40 PM - 10:45 PM	60.7	56.2
05:25 PM - 05:30 PM	61.5	54.6	08:05 PM - 08:10 PM	62.8	54.0	10:45 PM - 10:50 PM	63.0	55.8
05:30 PM - 05:35 PM	62.1	46.1	08:10 PM - 08:15 PM	62.5	55.7	10:50 PM - 10:55 PM	60.7	55.3
05:35 PM - 05:40 PM	59.0	46.0	08:15 PM - 08:20 PM	67.7	55.3	10:55 PM - 11:00 PM	63.8	55.9

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Approved by

Sarayuth Jittranont
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

Lot ID: 2448807
Date Received :May 16, 2024
Date Reported :May 23, 2024
Report Number : 3000109-1

P/O : RJN(2)-018/66
Project Name : Pluak Daeng
Project Location :

Sample Number 2448807-4
Parameter Noise Level (Leq 5 min)
Location บ้านวังตาลหม่อน (N1) (GPS 47P 0734083, 1432148)
Measurement Date May 10 - May 11, 2024
Measurement by Saknarin Jaraskay
Sound Level meter Serial No. 920833

May 10 - May 11, 2024 Time	Leq dB(A)	L90 dB(A)	May 11, 2024 Time	Leq dB(A)	L90 dB(A)	May 11, 2024 Time	Leq dB(A)	L90 dB(A)
11:00 PM - 11:05 PM	62.4	55.7	01:40 AM - 01:45 AM	57.3	46.0	04:20 AM - 04:25 AM	49.2	47.1
11:05 PM - 11:10 PM	62.4	56.6	01:45 AM - 01:50 AM	54.2	45.2	04:25 AM - 04:30 AM	52.5	47.6
11:10 PM - 11:15 PM	65.7	56.1	01:50 AM - 01:55 AM	68.7	52.3	04:30 AM - 04:35 AM	50.3	47.3
11:15 PM - 11:20 PM	61.7	55.9	01:55 AM - 02:00 AM	63.2	53.0	04:35 AM - 04:40 AM	50.6	46.8
11:20 PM - 11:25 PM	68.1	55.6	02:00 AM - 02:05 AM	57.4	50.6	04:40 AM - 04:45 AM	48.7	47.3
11:25 PM - 11:30 PM	64.5	53.6	02:05 AM - 02:10 AM	53.8	49.1	04:45 AM - 04:50 AM	52.8	47.2
11:30 PM - 11:35 PM	61.7	53.3	02:10 AM - 02:15 AM	61.8	50.2	04:50 AM - 04:55 AM	50.7	46.7
11:35 PM - 11:40 PM	60.8	52.4	02:15 AM - 02:20 AM	56.2	50.5	04:55 AM - 05:00 AM	52.7	46.5
11:40 PM - 11:45 PM	62.8	52.5	02:20 AM - 02:25 AM	56.2	49.9	05:00 AM - 05:05 AM	54.1	47.9
11:45 PM - 11:50 PM	57.9	52.7	02:25 AM - 02:30 AM	58.3	50.0	05:05 AM - 05:10 AM	50.3	47.4
11:50 PM - 11:55 PM	58.2	52.4	02:30 AM - 02:35 AM	56.9	50.5	05:10 AM - 05:15 AM	49.2	48.1
11:55 PM - 12:00 AM	62.8	51.9	02:35 AM - 02:40 AM	59.1	50.9	05:15 AM - 05:20 AM	50.4	47.8
12:00 AM - 12:05 AM	56.9	51.8	02:40 AM - 02:45 AM	54.8	49.7	05:20 AM - 05:25 AM	52.6	47.9
12:05 AM - 12:10 AM	62.3	52.0	02:45 AM - 02:50 AM	54.5	50.3	05:25 AM - 05:30 AM	48.8	47.7
12:10 AM - 12:15 AM	62.5	48.8	02:50 AM - 02:55 AM	53.1	49.8	05:30 AM - 05:35 AM	60.8	48.6
12:15 AM - 12:20 AM	60.3	54.3	02:55 AM - 03:00 AM	55.9	49.7	05:35 AM - 05:40 AM	51.0	48.3
12:20 AM - 12:25 AM	61.9	54.6	03:00 AM - 03:05 AM	56.9	49.9	05:40 AM - 05:45 AM	49.0	47.5
12:25 AM - 12:30 AM	59.5	54.9	03:05 AM - 03:10 AM	58.1	49.9	05:45 AM - 05:50 AM	52.0	49.6
12:30 AM - 12:35 AM	66.4	55.5	03:10 AM - 03:15 AM	56.7	50.2	05:50 AM - 05:55 AM	51.0	49.8
12:35 AM - 12:40 AM	59.8	52.7	03:15 AM - 03:20 AM	54.2	49.3	05:55 AM - 06:00 AM	50.8	49.1
12:40 AM - 12:45 AM	60.2	53.7	03:20 AM - 03:25 AM	53.8	48.7	06:00 AM - 06:05 AM	52.8	49.7
12:45 AM - 12:50 AM	60.0	54.7	03:25 AM - 03:30 AM	56.3	49.6	06:05 AM - 06:10 AM	50.3	49.1
12:50 AM - 12:55 AM	58.6	52.7	03:30 AM - 03:35 AM	55.0	48.7	06:10 AM - 06:15 AM	48.0	45.9
12:55 AM - 01:00 AM	55.5	52.6	03:35 AM - 03:40 AM	51.6	47.4	06:15 AM - 06:20 AM	49.9	46.4
01:00 AM - 01:05 AM	59.3	51.7	03:40 AM - 03:45 AM	55.1	46.7	06:20 AM - 06:25 AM	48.0	46.4
01:05 AM - 01:10 AM	55.6	51.3	03:45 AM - 03:50 AM	50.3	46.4	06:25 AM - 06:30 AM	47.1	46.1
01:10 AM - 01:15 AM	57.9	51.7	03:50 AM - 03:55 AM	50.8	47.3	06:30 AM - 06:35 AM	48.2	46.3
01:15 AM - 01:20 AM	55.4	51.2	03:55 AM - 04:00 AM	51.0	47.1	06:35 AM - 06:40 AM	48.2	46.7
01:20 AM - 01:25 AM	55.1	50.4	04:00 AM - 04:05 AM	55.6	47.9	06:40 AM - 06:45 AM	51.4	46.8
01:25 AM - 01:30 AM	53.5	49.9	04:05 AM - 04:10 AM	49.9	47.3	06:45 AM - 06:50 AM	49.9	45.9
01:30 AM - 01:35 AM	56.3	50.0	04:10 AM - 04:15 AM	50.4	47.2	06:50 AM - 06:55 AM	53.0	46.5
01:35 AM - 01:40 AM	54.7	50.1	04:15 AM - 04:20 AM	51.0	47.7	06:55 AM - 07:00 AM	56.7	46.9

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Sarayuth Jittranont
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

Lot ID: 2448807
Date Received :May 16, 2024
Date Reported :May 23, 2024
Report Number : 3000109-1

P/O : RJN(2)-018/66
Project Name : Pluak Daeng
Project Location :

Sample Number 2448807-4
Parameter Noise Level (Leq 5 min)
Location บ้านวังตาลหม่อน (N1) (GPS 47P 0734083, 1432148)
Measurement Date May 10 - May 11, 2024
Measurement by Saknarin Jaraskay
Sound Level meter Serial No. 920833

May 11, 2024 Time	Leq dB(A)	L90 dB(A)	May 11, 2024 Time	Leq dB(A)	L90 dB(A)	May 11, 2024 Time	Leq dB(A)	L90 dB(A)
07:00 AM - 07:05 AM	50.1	47.6	09:40 AM - 09:45 AM	62.6	53.4	12:20 PM - 12:25 PM	62.7	57.5
07:05 AM - 07:10 AM	49.9	48.2	09:45 AM - 09:50 AM	61.9	53.7	12:25 PM - 12:30 PM	61.1	57.3
07:10 AM - 07:15 AM	49.5	47.4	09:50 AM - 09:55 AM	66.1	56.9	12:30 PM - 12:35 PM	63.8	56.6
07:15 AM - 07:20 AM	54.3	47.1	09:55 AM - 10:00 AM	59.9	54.6	12:35 PM - 12:40 PM	66.2	57.3
07:20 AM - 07:25 AM	49.2	47.1	10:00 AM - 10:05 AM	61.3	56.5	12:40 PM - 12:45 PM	66.3	56.1
07:25 AM - 07:30 AM	47.8	47.1	10:05 AM - 10:10 AM	61.1	55.6	12:45 PM - 12:50 PM	67.8	57.1
07:30 AM - 07:35 AM	51.1	48.0	10:10 AM - 10:15 AM	61.2	51.1	12:50 PM - 12:55 PM	62.2	57.1
07:35 AM - 07:40 AM	50.0	49.2	10:15 AM - 10:20 AM	62.3	56.4	12:55 PM - 01:00 PM	66.4	56.5
07:40 AM - 07:45 AM	49.5	48.1	10:20 AM - 10:25 AM	66.8	57.0	01:00 PM - 01:05 PM	65.4	56.5
07:45 AM - 07:50 AM	53.7	48.9	10:25 AM - 10:30 AM	66.8	56.5	01:05 PM - 01:10 PM	68.5	56.8
07:50 AM - 07:55 AM	52.3	49.6	10:30 AM - 10:35 AM	63.8	56.5	01:10 PM - 01:15 PM	65.9	56.8
07:55 AM - 08:00 AM	50.3	49.3	10:35 AM - 10:40 AM	64.2	57.6	01:15 PM - 01:20 PM	65.7	56.1
08:00 AM - 08:05 AM	56.4	49.5	10:40 AM - 10:45 AM	64.4	51.1	01:20 PM - 01:25 PM	62.2	54.7
08:05 AM - 08:10 AM	49.9	48.7	10:45 AM - 10:50 AM	67.7	58.9	01:25 PM - 01:30 PM	67.2	54.3
08:10 AM - 08:15 AM	48.6	48.0	10:50 AM - 10:55 AM	67.0	59.2	01:30 PM - 01:35 PM	65.0	55.8
08:15 AM - 08:20 AM	50.2	48.0	10:55 AM - 11:00 AM	63.3	52.5	01:35 PM - 01:40 PM	66.8	57.2
08:20 AM - 08:25 AM	49.5	47.2	11:00 AM - 11:05 AM	68.9	60.2	01:40 PM - 01:45 PM	62.7	48.5
08:25 AM - 08:30 AM	52.7	46.8	11:05 AM - 11:10 AM	68.9	60.5	01:45 PM - 01:50 PM	59.6	53.3
08:30 AM - 08:35 AM	50.5	47.6	11:10 AM - 11:15 AM	68.8	61.4	01:50 PM - 01:55 PM	59.6	51.9
08:35 AM - 08:40 AM	55.3	49.0	11:15 AM - 11:20 AM	69.0	60.4	01:55 PM - 02:00 PM	60.9	50.9
08:40 AM - 08:45 AM	55.4	48.5	11:20 AM - 11:25 AM	62.8	47.4	02:00 PM - 02:05 PM	61.4	51.4
08:45 AM - 08:50 AM	47.8	45.7	11:25 AM - 11:30 AM	66.2	59.1	02:05 PM - 02:10 PM	60.2	53.1
08:50 AM - 08:55 AM	51.7	47.6	11:30 AM - 11:35 AM	65.0	58.2	02:10 PM - 02:15 PM	60.4	49.2
08:55 AM - 09:00 AM	63.0	51.7	11:35 AM - 11:40 AM	68.6	58.9	02:15 PM - 02:20 PM	68.8	56.2
09:00 AM - 09:05 AM	55.5	52.0	11:40 AM - 11:45 AM	68.0	58.8	02:20 PM - 02:25 PM	63.7	48.7
09:05 AM - 09:10 AM	56.9	51.7	11:45 AM - 11:50 AM	61.3	56.1	02:25 PM - 02:30 PM	60.5	53.4
09:10 AM - 09:15 AM	56.0	51.6	11:50 AM - 11:55 AM	68.5	59.7	02:30 PM - 02:35 PM	56.6	51.2
09:15 AM - 09:20 AM	56.2	51.6	11:55 AM - 12:00 PM	65.7	57.7	02:35 PM - 02:40 PM	57.6	52.4
09:20 AM - 09:25 AM	62.6	53.9	12:00 PM - 12:05 PM	69.8	59.1	02:40 PM - 02:45 PM	67.1	58.0
09:25 AM - 09:30 AM	60.6	55.4	12:05 PM - 12:10 PM	65.8	59.0	02:45 PM - 02:50 PM	66.9	57.3
09:30 AM - 09:35 AM	60.1	52.5	12:10 PM - 12:15 PM	62.5	48.8	02:50 PM - 02:55 PM	63.4	55.9
09:35 AM - 09:40 AM	57.9	53.5	12:15 PM - 12:20 PM	67.3	56.8	02:55 PM - 03:00 PM	68.4	55.5

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Sarayuth Jittranont
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

Lot ID: 2448807
Date Received :May 16, 2024
Date Reported :May 23, 2024
Report Number : 3000110-1

P/O : RJN(2)-018/66
Project Name : Pluak Daeng
Project Location :

Sample Number 2448807-5
Parameter Noise Level (Leq 5 min)
Location บ้านวังตาลหม่อน (N1) (GPS 47P 0734083, 1432148)
Measurement Date May 11 - May 12, 2024
Measurement by Saknarin Jaraskay
Sound Level meter Serial No. 920833

May 11, 2024 Time	Leq dB(A)	L90 dB(A)	May 11, 2024 Time	Leq dB(A)	L90 dB(A)	May 11, 2024 Time	Leq dB(A)	L90 dB(A)
03:00 PM - 03:05 PM	66.3	50.7	05:40 PM - 05:45 PM	61.1	51.6	08:20 PM - 08:25 PM	61.7	48.1
03:05 PM - 03:10 PM	54.0	47.8	05:45 PM - 05:50 PM	57.2	48.8	08:25 PM - 08:30 PM	69.1	53.5
03:10 PM - 03:15 PM	66.7	50.3	05:50 PM - 05:55 PM	56.9	47.3	08:30 PM - 08:35 PM	66.2	50.2
03:15 PM - 03:20 PM	66.3	48.8	05:55 PM - 06:00 PM	56.5	49.4	08:35 PM - 08:40 PM	63.1	50.1
03:20 PM - 03:25 PM	56.9	50.7	06:00 PM - 06:05 PM	67.4	53.2	08:40 PM - 08:45 PM	62.9	50.8
03:25 PM - 03:30 PM	67.0	49.5	06:05 PM - 06:10 PM	59.6	52.9	08:45 PM - 08:50 PM	67.7	54.4
03:30 PM - 03:35 PM	59.3	50.4	06:10 PM - 06:15 PM	68.8	51.9	08:50 PM - 08:55 PM	67.0	52.3
03:35 PM - 03:40 PM	54.2	46.7	06:15 PM - 06:20 PM	61.7	52.2	08:55 PM - 09:00 PM	64.5	54.4
03:40 PM - 03:45 PM	68.0	48.4	06:20 PM - 06:25 PM	62.1	49.8	09:00 PM - 09:05 PM	63.1	58.6
03:45 PM - 03:50 PM	62.9	50.2	06:25 PM - 06:30 PM	61.0	50.2	09:05 PM - 09:10 PM	63.6	56.1
03:50 PM - 03:55 PM	64.5	48.7	06:30 PM - 06:35 PM	68.1	50.6	09:10 PM - 09:15 PM	65.2	56.1
03:55 PM - 04:00 PM	63.9	51.1	06:35 PM - 06:40 PM	64.0	51.5	09:15 PM - 09:20 PM	65.0	55.0
04:00 PM - 04:05 PM	62.9	45.4	06:40 PM - 06:45 PM	63.0	49.9	09:20 PM - 09:25 PM	61.2	56.1
04:05 PM - 04:10 PM	66.1	50.3	06:45 PM - 06:50 PM	68.9	53.6	09:25 PM - 09:30 PM	59.5	56.2
04:10 PM - 04:15 PM	62.7	51.8	06:50 PM - 06:55 PM	57.9	50.5	09:30 PM - 09:35 PM	64.6	57.1
04:15 PM - 04:20 PM	59.7	47.4	06:55 PM - 07:00 PM	66.6	52.7	09:35 PM - 09:40 PM	62.9	55.1
04:20 PM - 04:25 PM	52.5	46.8	07:00 PM - 07:05 PM	65.0	52.5	09:40 PM - 09:45 PM	60.0	51.9
04:25 PM - 04:30 PM	61.4	50.1	07:05 PM - 07:10 PM	60.1	47.7	09:45 PM - 09:50 PM	60.8	52.7
04:30 PM - 04:35 PM	58.3	49.3	07:10 PM - 07:15 PM	63.9	44.3	09:50 PM - 09:55 PM	60.4	44.6
04:35 PM - 04:40 PM	53.9	48.1	07:15 PM - 07:20 PM	59.8	49.5	09:55 PM - 10:00 PM	62.5	51.6
04:40 PM - 04:45 PM	54.0	48.2	07:20 PM - 07:25 PM	61.9	49.1	10:00 PM - 10:05 PM	59.5	51.2
04:45 PM - 04:50 PM	57.4	49.0	07:25 PM - 07:30 PM	66.6	51.4	10:05 PM - 10:10 PM	61.2	51.1
04:50 PM - 04:55 PM	66.6	52.9	07:30 PM - 07:35 PM	57.3	51.1	10:10 PM - 10:15 PM	56.0	49.7
04:55 PM - 05:00 PM	60.8	49.5	07:35 PM - 07:40 PM	65.4	51.7	10:15 PM - 10:20 PM	57.1	52.9
05:00 PM - 05:05 PM	63.4	50.8	07:40 PM - 07:45 PM	69.1	50.2	10:20 PM - 10:25 PM	60.8	52.8
05:05 PM - 05:10 PM	69.2	51.0	07:45 PM - 07:50 PM	69.1	56.9	10:25 PM - 10:30 PM	58.7	52.9
05:10 PM - 05:15 PM	63.4	50.4	07:50 PM - 07:55 PM	66.0	56.3	10:30 PM - 10:35 PM	62.9	53.1
05:15 PM - 05:20 PM	63.6	51.1	07:55 PM - 08:00 PM	63.8	50.6	10:35 PM - 10:40 PM	56.7	51.9
05:20 PM - 05:25 PM	64.0	50.8	08:00 PM - 08:05 PM	56.9	49.7	10:40 PM - 10:45 PM	57.1	52.3
05:25 PM - 05:30 PM	61.5	53.8	08:05 PM - 08:10 PM	61.0	50.4	10:45 PM - 10:50 PM	58.0	51.6
05:30 PM - 05:35 PM	60.0	49.3	08:10 PM - 08:15 PM	62.3	50.1	10:50 PM - 10:55 PM	58.9	52.3
05:35 PM - 05:40 PM	63.0	50.8	08:15 PM - 08:20 PM	67.6	50.2	10:55 PM - 11:00 PM	60.1	53.1

Approved by

Sarayuth Jittranont
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

Lot ID: 2448807
Date Received :May 16, 2024
Date Reported :May 23, 2024
Report Number : 3000110-1

P/O : RJN(2)-018/66
Project Name : Pluak Daeng
Project Location :

Sample Number 2448807-5
Parameter Noise Level (Leq 5 min)
Location บ้านวังตาลหม่อน (N1) (GPS 47P 0734083, 1432148)
Measurement Date May 11 - May 12, 2024
Measurement by Saknarin Jaraskay
Sound Level meter Serial No. 920833

May 11 - May 12, 2024 Time	Leq dB(A)	L90 dB(A)	May 12, 2024 Time	Leq dB(A)	L90 dB(A)	May 12, 2024 Time	Leq dB(A)	L90 dB(A)
11:00 PM - 11:05 PM	60.6	53.7	01:40 AM - 01:45 AM	50.5	46.2	04:20 AM - 04:25 AM	46.6	45.8
11:05 PM - 11:10 PM	60.1	51.5	01:45 AM - 01:50 AM	56.0	47.9	04:25 AM - 04:30 AM	51.0	46.2
11:10 PM - 11:15 PM	61.0	51.5	01:50 AM - 01:55 AM	52.9	47.3	04:30 AM - 04:35 AM	51.2	45.6
11:15 PM - 11:20 PM	58.6	51.0	01:55 AM - 02:00 AM	54.9	48.1	04:35 AM - 04:40 AM	47.8	45.3
11:20 PM - 11:25 PM	58.1	50.5	02:00 AM - 02:05 AM	52.9	47.9	04:40 AM - 04:45 AM	50.6	46.0
11:25 PM - 11:30 PM	59.6	50.9	02:05 AM - 02:10 AM	50.2	47.1	04:45 AM - 04:50 AM	48.5	45.3
11:30 PM - 11:35 PM	58.0	50.5	02:10 AM - 02:15 AM	52.8	47.1	04:50 AM - 04:55 AM	52.1	45.7
11:35 PM - 11:40 PM	55.4	49.0	02:15 AM - 02:20 AM	50.5	46.6	04:55 AM - 05:00 AM	48.3	45.1
11:40 PM - 11:45 PM	61.7	51.7	02:20 AM - 02:25 AM	54.7	47.2	05:00 AM - 05:05 AM	48.3	45.9
11:45 PM - 11:50 PM	59.1	49.3	02:25 AM - 02:30 AM	52.1	46.8	05:05 AM - 05:10 AM	49.1	45.5
11:50 PM - 11:55 PM	60.4	50.7	02:30 AM - 02:35 AM	52.7	47.8	05:10 AM - 05:15 AM	46.7	45.2
11:55 PM - 12:00 AM	55.6	49.8	02:35 AM - 02:40 AM	55.8	47.0	05:15 AM - 05:20 AM	47.8	45.8
12:00 AM - 12:05 AM	59.9	51.2	02:40 AM - 02:45 AM	53.4	47.6	05:20 AM - 05:25 AM	46.9	45.8
12:05 AM - 12:10 AM	58.9	51.9	02:45 AM - 02:50 AM	57.4	46.5	05:25 AM - 05:30 AM	47.2	45.6
12:10 AM - 12:15 AM	57.7	51.9	02:50 AM - 02:55 AM	46.8	45.1	05:30 AM - 05:35 AM	46.1	45.0
12:15 AM - 12:20 AM	56.9	52.4	02:55 AM - 03:00 AM	52.6	45.5	05:35 AM - 05:40 AM	47.5	44.6
12:20 AM - 12:25 AM	59.9	51.8	03:00 AM - 03:05 AM	51.9	46.5	05:40 AM - 05:45 AM	46.3	45.2
12:25 AM - 12:30 AM	56.6	52.8	03:05 AM - 03:10 AM	55.0	47.6	05:45 AM - 05:50 AM	46.7	45.1
12:30 AM - 12:35 AM	59.1	52.0	03:10 AM - 03:15 AM	50.1	46.7	05:50 AM - 05:55 AM	47.4	45.3
12:35 AM - 12:40 AM	56.1	51.7	03:15 AM - 03:20 AM	49.7	46.2	05:55 AM - 06:00 AM	46.6	45.0
12:40 AM - 12:45 AM	57.2	49.2	03:20 AM - 03:25 AM	51.7	46.5	06:00 AM - 06:05 AM	45.8	45.0
12:45 AM - 12:50 AM	60.8	51.5	03:25 AM - 03:30 AM	49.2	47.1	06:05 AM - 06:10 AM	46.0	44.5
12:50 AM - 12:55 AM	57.7	48.5	03:30 AM - 03:35 AM	50.1	46.6	06:10 AM - 06:15 AM	48.5	45.4
12:55 AM - 01:00 AM	64.7	50.0	03:35 AM - 03:40 AM	49.0	46.9	06:15 AM - 06:20 AM	47.7	45.5
01:00 AM - 01:05 AM	52.3	48.3	03:40 AM - 03:45 AM	51.4	47.1	06:20 AM - 06:25 AM	47.9	45.8
01:05 AM - 01:10 AM	51.9	48.2	03:45 AM - 03:50 AM	50.0	46.4	06:25 AM - 06:30 AM	49.4	46.1
01:10 AM - 01:15 AM	52.9	48.7	03:50 AM - 03:55 AM	46.9	45.8	06:30 AM - 06:35 AM	47.4	44.5
01:15 AM - 01:20 AM	54.7	48.5	03:55 AM - 04:00 AM	48.3	45.9	06:35 AM - 06:40 AM	47.3	44.6
01:20 AM - 01:25 AM	55.7	48.1	04:00 AM - 04:05 AM	49.3	46.2	06:40 AM - 06:45 AM	48.4	45.0
01:25 AM - 01:30 AM	52.5	47.1	04:05 AM - 04:10 AM	51.4	47.0	06:45 AM - 06:50 AM	47.1	44.6
01:30 AM - 01:35 AM	53.9	47.0	04:10 AM - 04:15 AM	51.7	46.7	06:50 AM - 06:55 AM	51.6	44.7
01:35 AM - 01:40 AM	54.6	46.8	04:15 AM - 04:20 AM	47.4	46.1	06:55 AM - 07:00 AM	46.1	44.0

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Approved by

Sarayuth Jittranont
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

Lot ID: 2448807
Date Received :May 16, 2024
Date Reported :May 23, 2024
Report Number : 3000110-1

P/O : RJN(2)-018/66
Project Name : Pluak Daeng
Project Location :

Sample Number 2448807-5
Parameter Noise Level (Leq 5 min)
Location บ้านวังตาลหม่อน (N1) (GPS 47P 0734083, 1432148)
Measurement Date May 11 - May 12, 2024
Measurement by Saknarin Jaraskay
Sound Level meter Serial No. 920833

May 12, 2024 Time	Leq dB(A)	L90 dB(A)	May 12, 2024 Time	Leq dB(A)	L90 dB(A)	May 12, 2024 Time	Leq dB(A)	L90 dB(A)
07:00 AM - 07:05 AM	56.0	44.3	09:40 AM - 09:45 AM	54.6	46.4	12:20 PM - 12:25 PM	64.3	53.1
07:05 AM - 07:10 AM	46.7	43.4	09:45 AM - 09:50 AM	52.0	46.6	12:25 PM - 12:30 PM	61.5	53.8
07:10 AM - 07:15 AM	45.0	43.4	09:50 AM - 09:55 AM	59.6	48.9	12:30 PM - 12:35 PM	56.9	51.4
07:15 AM - 07:20 AM	45.7	43.7	09:55 AM - 10:00 AM	56.8	48.4	12:35 PM - 12:40 PM	55.3	49.7
07:20 AM - 07:25 AM	46.9	42.9	10:00 AM - 10:05 AM	54.5	48.7	12:40 PM - 12:45 PM	62.7	51.0
07:25 AM - 07:30 AM	47.9	42.9	10:05 AM - 10:10 AM	55.3	47.9	12:45 PM - 12:50 PM	59.0	51.0
07:30 AM - 07:35 AM	43.2	42.3	10:10 AM - 10:15 AM	57.1	49.3	12:50 PM - 12:55 PM	57.0	48.7
07:35 AM - 07:40 AM	43.7	42.0	10:15 AM - 10:20 AM	57.7	48.8	12:55 PM - 01:00 PM	59.7	51.1
07:40 AM - 07:45 AM	43.5	41.8	10:20 AM - 10:25 AM	54.9	50.0	01:00 PM - 01:05 PM	61.4	53.3
07:45 AM - 07:50 AM	42.6	41.6	10:25 AM - 10:30 AM	56.5	50.4	01:05 PM - 01:10 PM	66.0	51.8
07:50 AM - 07:55 AM	44.5	42.2	10:30 AM - 10:35 AM	61.9	52.0	01:10 PM - 01:15 PM	59.5	47.8
07:55 AM - 08:00 AM	43.7	42.1	10:35 AM - 10:40 AM	59.9	51.8	01:15 PM - 01:20 PM	63.4	52.0
08:00 AM - 08:05 AM	46.1	42.1	10:40 AM - 10:45 AM	61.5	54.1	01:20 PM - 01:25 PM	57.8	50.9
08:05 AM - 08:10 AM	47.0	42.5	10:45 AM - 10:50 AM	58.4	52.8	01:25 PM - 01:30 PM	67.0	52.0
08:10 AM - 08:15 AM	48.5	41.8	10:50 AM - 10:55 AM	66.6	55.8	01:30 PM - 01:35 PM	59.2	51.7
08:15 AM - 08:20 AM	45.0	42.0	10:55 AM - 11:00 AM	60.2	53.2	01:35 PM - 01:40 PM	65.4	49.7
08:20 AM - 08:25 AM	47.6	42.5	11:00 AM - 11:05 AM	62.7	53.1	01:40 PM - 01:45 PM	56.6	50.4
08:25 AM - 08:30 AM	52.2	43.3	11:05 AM - 11:10 AM	67.3	55.9	01:45 PM - 01:50 PM	59.1	51.5
08:30 AM - 08:35 AM	51.7	43.6	11:10 AM - 11:15 AM	64.3	53.3	01:50 PM - 01:55 PM	56.4	52.3
08:35 AM - 08:40 AM	55.4	43.6	11:15 AM - 11:20 AM	63.3	53.8	01:55 PM - 02:00 PM	57.3	53.3
08:40 AM - 08:45 AM	50.8	43.3	11:20 AM - 11:25 AM	63.3	54.5	02:00 PM - 02:05 PM	64.1	51.9
08:45 AM - 08:50 AM	51.1	42.9	11:25 AM - 11:30 AM	63.2	54.1	02:05 PM - 02:10 PM	60.9	53.7
08:50 AM - 08:55 AM	51.6	43.6	11:30 AM - 11:35 AM	62.0	53.4	02:10 PM - 02:15 PM	69.6	54.0
08:55 AM - 09:00 AM	54.7	44.9	11:35 AM - 11:40 AM	61.4	52.9	02:15 PM - 02:20 PM	60.2	53.1
09:00 AM - 09:05 AM	49.6	44.5	11:40 AM - 11:45 AM	61.0	53.6	02:20 PM - 02:25 PM	60.1	51.7
09:05 AM - 09:10 AM	50.1	44.7	11:45 AM - 11:50 AM	61.5	52.5	02:25 PM - 02:30 PM	64.6	51.1
09:10 AM - 09:15 AM	51.5	44.3	11:50 AM - 11:55 AM	66.1	50.7	02:30 PM - 02:35 PM	63.2	51.6
09:15 AM - 09:20 AM	51.6	44.6	11:55 AM - 12:00 PM	59.8	52.4	02:35 PM - 02:40 PM	59.1	51.2
09:20 AM - 09:25 AM	50.9	45.8	12:00 PM - 12:05 PM	61.0	51.2	02:40 PM - 02:45 PM	59.2	50.9
09:25 AM - 09:30 AM	57.4	47.5	12:05 PM - 12:10 PM	65.2	50.4	02:45 PM - 02:50 PM	54.4	50.1
09:30 AM - 09:35 AM	55.7	47.8	12:10 PM - 12:15 PM	63.0	52.5	02:50 PM - 02:55 PM	56.6	49.8
09:35 AM - 09:40 AM	50.4	45.6	12:15 PM - 12:20 PM	65.8	52.1	02:55 PM - 03:00 PM	63.2	50.4

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Approved by

Sarayuth Jittranont
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

Lot ID: 2448807
Date Received :May 16, 2024
Date Reported :May 23, 2024
Report Number : 3000111-1

P/O : RJN(2)-018/66
Project Name : Pluak Daeng
Project Location :

Sample Number 2448807-6
Parameter Noise Level (Leq 5 min)
Location บ้านวังตาลหม่อน (N1) (GPS 47P 0734083, 1432148)
Measurement Date May 12 - May 13, 2024
Measurement by Saknarin Jaraskay
Sound Level meter Serial No. 920833

May 12, 2024 Time	Leq dB(A)	L90 dB(A)	May 12, 2024 Time	Leq dB(A)	L90 dB(A)	May 12, 2024 Time	Leq dB(A)	L90 dB(A)
03:00 PM - 03:05 PM	69.8	54.5	05:40 PM - 05:45 PM	60.3	50.8	08:20 PM - 08:25 PM	60.9	47.3
03:05 PM - 03:10 PM	53.2	47.0	05:45 PM - 05:50 PM	56.4	48.0	08:25 PM - 08:30 PM	68.3	52.7
03:10 PM - 03:15 PM	65.9	49.5	05:50 PM - 05:55 PM	56.1	46.5	08:30 PM - 08:35 PM	65.4	49.4
03:15 PM - 03:20 PM	65.5	48.0	05:55 PM - 06:00 PM	55.7	48.6	08:35 PM - 08:40 PM	62.3	49.3
03:20 PM - 03:25 PM	56.1	49.9	06:00 PM - 06:05 PM	66.6	52.4	08:40 PM - 08:45 PM	62.1	50.0
03:25 PM - 03:30 PM	66.2	48.7	06:05 PM - 06:10 PM	58.8	52.1	08:45 PM - 08:50 PM	66.9	53.6
03:30 PM - 03:35 PM	58.5	49.6	06:10 PM - 06:15 PM	68.0	51.1	08:50 PM - 08:55 PM	66.2	51.5
03:35 PM - 03:40 PM	53.4	45.9	06:15 PM - 06:20 PM	60.9	51.4	08:55 PM - 09:00 PM	63.7	53.6
03:40 PM - 03:45 PM	67.2	47.6	06:20 PM - 06:25 PM	61.3	49.0	09:00 PM - 09:05 PM	62.3	57.8
03:45 PM - 03:50 PM	62.1	49.4	06:25 PM - 06:30 PM	60.2	49.4	09:05 PM - 09:10 PM	62.8	55.3
03:50 PM - 03:55 PM	63.7	47.9	06:30 PM - 06:35 PM	67.3	49.8	09:10 PM - 09:15 PM	64.4	55.3
03:55 PM - 04:00 PM	63.1	50.3	06:35 PM - 06:40 PM	63.2	50.7	09:15 PM - 09:20 PM	64.2	54.2
04:00 PM - 04:05 PM	69.4	50.4	06:40 PM - 06:45 PM	62.2	49.1	09:20 PM - 09:25 PM	60.4	55.3
04:05 PM - 04:10 PM	65.3	49.5	06:45 PM - 06:50 PM	68.1	52.8	09:25 PM - 09:30 PM	58.7	55.4
04:10 PM - 04:15 PM	61.9	51.0	06:50 PM - 06:55 PM	57.1	49.7	09:30 PM - 09:35 PM	63.8	56.3
04:15 PM - 04:20 PM	58.9	46.6	06:55 PM - 07:00 PM	65.8	51.9	09:35 PM - 09:40 PM	62.1	54.3
04:20 PM - 04:25 PM	51.7	46.0	07:00 PM - 07:05 PM	64.2	51.7	09:40 PM - 09:45 PM	59.2	51.1
04:25 PM - 04:30 PM	60.6	49.3	07:05 PM - 07:10 PM	59.3	46.9	09:45 PM - 09:50 PM	60.0	51.9
04:30 PM - 04:35 PM	57.5	48.5	07:10 PM - 07:15 PM	59.8	47.0	09:50 PM - 09:55 PM	69.7	52.6
04:35 PM - 04:40 PM	53.1	47.3	07:15 PM - 07:20 PM	59.0	48.7	09:55 PM - 10:00 PM	61.7	50.8
04:40 PM - 04:45 PM	53.2	47.4	07:20 PM - 07:25 PM	61.1	48.3	10:00 PM - 10:05 PM	58.7	50.4
04:45 PM - 04:50 PM	56.6	48.2	07:25 PM - 07:30 PM	65.8	50.6	10:05 PM - 10:10 PM	60.4	50.3
04:50 PM - 04:55 PM	65.8	52.1	07:30 PM - 07:35 PM	56.5	50.3	10:10 PM - 10:15 PM	55.2	48.9
04:55 PM - 05:00 PM	60.0	48.7	07:35 PM - 07:40 PM	64.6	50.9	10:15 PM - 10:20 PM	56.3	52.1
05:00 PM - 05:05 PM	62.6	50.0	07:40 PM - 07:45 PM	68.3	49.4	10:20 PM - 10:25 PM	60.0	52.0
05:05 PM - 05:10 PM	68.4	50.2	07:45 PM - 07:50 PM	68.3	56.1	10:25 PM - 10:30 PM	57.9	52.1
05:10 PM - 05:15 PM	62.6	49.6	07:50 PM - 07:55 PM	65.2	55.5	10:30 PM - 10:35 PM	62.1	52.3
05:15 PM - 05:20 PM	62.8	50.3	07:55 PM - 08:00 PM	63.0	49.8	10:35 PM - 10:40 PM	55.9	51.1
05:20 PM - 05:25 PM	63.2	50.0	08:00 PM - 08:05 PM	56.1	48.9	10:40 PM - 10:45 PM	56.3	51.5
05:25 PM - 05:30 PM	60.7	53.0	08:05 PM - 08:10 PM	60.2	49.6	10:45 PM - 10:50 PM	57.2	50.8
05:30 PM - 05:35 PM	59.2	48.5	08:10 PM - 08:15 PM	61.5	49.3	10:50 PM - 10:55 PM	58.1	51.5
05:35 PM - 05:40 PM	62.2	50.0	08:15 PM - 08:20 PM	66.8	49.4	10:55 PM - 11:00 PM	59.3	52.3

Approved by

Sarayuth Jittranont
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

Lot ID: 2448807
Date Received :May 16, 2024
Date Reported :May 23, 2024
Report Number : 3000111-1

P/O : RJN(2)-018/66
Project Name : Pluak Daeng
Project Location :

Sample Number 2448807-6
Parameter Noise Level (Leq 5 min)
Location บ้านวังตาลหม่อน (N1) (GPS 47P 0734083, 1432148)
Measurement Date May 12 - May 13, 2024
Measurement by Saknarin Jaraskay
Sound Level meter Serial No. 920833

May 12 - May 13, 2024 Time	Leq dB(A)	L90 dB(A)	May 13, 2024 Time	Leq dB(A)	L90 dB(A)	May 13, 2024 Time	Leq dB(A)	L90 dB(A)
11:00 PM - 11:05 PM	59.8	52.9	01:40 AM - 01:45 AM	49.7	45.4	04:20 AM - 04:25 AM	45.8	45.0
11:05 PM - 11:10 PM	59.3	50.7	01:45 AM - 01:50 AM	55.2	47.1	04:25 AM - 04:30 AM	50.2	45.4
11:10 PM - 11:15 PM	60.2	50.7	01:50 AM - 01:55 AM	52.1	46.5	04:30 AM - 04:35 AM	50.4	44.8
11:15 PM - 11:20 PM	57.8	50.2	01:55 AM - 02:00 AM	54.1	47.3	04:35 AM - 04:40 AM	47.0	44.5
11:20 PM - 11:25 PM	57.3	49.7	02:00 AM - 02:05 AM	52.1	47.1	04:40 AM - 04:45 AM	49.8	45.2
11:25 PM - 11:30 PM	58.8	50.1	02:05 AM - 02:10 AM	49.4	46.3	04:45 AM - 04:50 AM	47.7	44.5
11:30 PM - 11:35 PM	57.2	49.7	02:10 AM - 02:15 AM	52.0	46.3	04:50 AM - 04:55 AM	51.3	44.9
11:35 PM - 11:40 PM	54.6	48.2	02:15 AM - 02:20 AM	49.7	45.8	04:55 AM - 05:00 AM	47.5	44.3
11:40 PM - 11:45 PM	60.9	50.9	02:20 AM - 02:25 AM	53.9	46.4	05:00 AM - 05:05 AM	47.5	45.1
11:45 PM - 11:50 PM	58.3	48.5	02:25 AM - 02:30 AM	51.3	46.0	05:05 AM - 05:10 AM	48.3	44.7
11:50 PM - 11:55 PM	59.6	49.9	02:30 AM - 02:35 AM	51.9	47.0	05:10 AM - 05:15 AM	45.9	44.4
11:55 PM - 12:00 AM	54.8	49.0	02:35 AM - 02:40 AM	55.0	46.2	05:15 AM - 05:20 AM	47.0	45.0
12:00 AM - 12:05 AM	59.1	50.4	02:40 AM - 02:45 AM	52.6	46.8	05:20 AM - 05:25 AM	46.1	45.0
12:05 AM - 12:10 AM	58.1	51.1	02:45 AM - 02:50 AM	56.6	45.7	05:25 AM - 05:30 AM	46.4	44.8
12:10 AM - 12:15 AM	56.9	51.1	02:50 AM - 02:55 AM	46.0	44.3	05:30 AM - 05:35 AM	46.1	45.0
12:15 AM - 12:20 AM	56.1	51.6	02:55 AM - 03:00 AM	51.8	44.7	05:35 AM - 05:40 AM	47.5	44.6
12:20 AM - 12:25 AM	59.1	51.0	03:00 AM - 03:05 AM	51.1	45.7	05:40 AM - 05:45 AM	46.3	45.2
12:25 AM - 12:30 AM	55.8	52.0	03:05 AM - 03:10 AM	54.2	46.8	05:45 AM - 05:50 AM	46.7	45.1
12:30 AM - 12:35 AM	58.3	51.2	03:10 AM - 03:15 AM	49.3	45.9	05:50 AM - 05:55 AM	47.4	45.3
12:35 AM - 12:40 AM	55.3	50.9	03:15 AM - 03:20 AM	48.9	45.4	05:55 AM - 06:00 AM	46.6	45.0
12:40 AM - 12:45 AM	56.4	48.4	03:20 AM - 03:25 AM	50.9	45.7	06:00 AM - 06:05 AM	45.8	45.0
12:45 AM - 12:50 AM	60.0	50.7	03:25 AM - 03:30 AM	48.4	46.3	06:05 AM - 06:10 AM	46.0	44.5
12:50 AM - 12:55 AM	56.9	47.7	03:30 AM - 03:35 AM	49.3	45.8	06:10 AM - 06:15 AM	48.5	45.4
12:55 AM - 01:00 AM	63.9	49.2	03:35 AM - 03:40 AM	48.2	46.1	06:15 AM - 06:20 AM	47.7	45.5
01:00 AM - 01:05 AM	51.5	47.5	03:40 AM - 03:45 AM	50.6	46.3	06:20 AM - 06:25 AM	47.9	45.8
01:05 AM - 01:10 AM	51.1	47.4	03:45 AM - 03:50 AM	49.2	45.6	06:25 AM - 06:30 AM	49.4	46.1
01:10 AM - 01:15 AM	52.1	47.9	03:50 AM - 03:55 AM	46.1	45.0	06:30 AM - 06:35 AM	47.4	44.5
01:15 AM - 01:20 AM	53.9	47.7	03:55 AM - 04:00 AM	47.5	45.1	06:35 AM - 06:40 AM	47.3	44.6
01:20 AM - 01:25 AM	54.9	47.3	04:00 AM - 04:05 AM	48.5	45.4	06:40 AM - 06:45 AM	48.4	45.0
01:25 AM - 01:30 AM	51.7	46.3	04:05 AM - 04:10 AM	50.6	46.2	06:45 AM - 06:50 AM	47.1	44.6
01:30 AM - 01:35 AM	53.1	46.2	04:10 AM - 04:15 AM	50.9	45.9	06:50 AM - 06:55 AM	51.6	44.7
01:35 AM - 01:40 AM	53.8	46.0	04:15 AM - 04:20 AM	46.6	45.3	06:55 AM - 07:00 AM	46.1	44.0

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Sarayuth Jittranont
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

Lot ID: 2448807
Date Received :May 16, 2024
Date Reported :May 23, 2024
Report Number : 3000111-1

P/O : RJN(2)-018/66
Project Name : Pluak Daeng
Project Location :

Sample Number 2448807-6
Parameter Noise Level (Leq 5 min)
Location **บ้านวังตาลหม่อน** (N1) (GPS 47P 0734083, 1432148)
Measurement Date May 12 - May 13, 2024
Measurement by Saknarin Jaraskay
Sound Level meter Serial No. 920833

May 13, 2024 Time	Leq dB(A)	L90 dB(A)	May 13, 2024 Time	Leq dB(A)	L90 dB(A)	May 13, 2024 Time	Leq dB(A)	L90 dB(A)
07:00 AM - 07:05 AM	56.0	44.3	09:40 AM - 09:45 AM	54.6	46.4	12:20 PM - 12:25 PM	64.3	53.1
07:05 AM - 07:10 AM	46.7	43.4	09:45 AM - 09:50 AM	52.0	46.6	12:25 PM - 12:30 PM	61.5	53.8
07:10 AM - 07:15 AM	45.0	43.4	09:50 AM - 09:55 AM	59.6	48.9	12:30 PM - 12:35 PM	56.9	51.4
07:15 AM - 07:20 AM	45.7	43.7	09:55 AM - 10:00 AM	56.8	48.4	12:35 PM - 12:40 PM	55.3	49.7
07:20 AM - 07:25 AM	46.9	42.9	10:00 AM - 10:05 AM	54.5	48.7	12:40 PM - 12:45 PM	62.7	51.0
07:25 AM - 07:30 AM	47.9	42.9	10:05 AM - 10:10 AM	55.3	47.9	12:45 PM - 12:50 PM	59.0	51.0
07:30 AM - 07:35 AM	43.2	42.3	10:10 AM - 10:15 AM	57.1	49.3	12:50 PM - 12:55 PM	57.0	48.7
07:35 AM - 07:40 AM	43.7	42.0	10:15 AM - 10:20 AM	57.7	48.8	12:55 PM - 01:00 PM	59.7	51.1
07:40 AM - 07:45 AM	43.5	41.8	10:20 AM - 10:25 AM	54.9	50.0	01:00 PM - 01:05 PM	61.4	53.3
07:45 AM - 07:50 AM	42.6	41.6	10:25 AM - 10:30 AM	56.5	50.4	01:05 PM - 01:10 PM	66.0	51.8
07:50 AM - 07:55 AM	44.5	42.2	10:30 AM - 10:35 AM	61.9	52.0	01:10 PM - 01:15 PM	59.5	47.8
07:55 AM - 08:00 AM	43.7	42.1	10:35 AM - 10:40 AM	59.9	51.8	01:15 PM - 01:20 PM	63.4	52.0
08:00 AM - 08:05 AM	46.1	42.1	10:40 AM - 10:45 AM	61.5	54.1	01:20 PM - 01:25 PM	57.8	50.9
08:05 AM - 08:10 AM	47.0	42.5	10:45 AM - 10:50 AM	58.4	52.8	01:25 PM - 01:30 PM	67.0	52.0
08:10 AM - 08:15 AM	48.5	41.8	10:50 AM - 10:55 AM	66.6	55.8	01:30 PM - 01:35 PM	59.2	51.7
08:15 AM - 08:20 AM	45.0	42.0	10:55 AM - 11:00 AM	60.2	53.2	01:35 PM - 01:40 PM	65.4	49.7
08:20 AM - 08:25 AM	47.6	42.5	11:00 AM - 11:05 AM	62.7	53.1	01:40 PM - 01:45 PM	56.6	50.4
08:25 AM - 08:30 AM	52.2	43.3	11:05 AM - 11:10 AM	67.3	55.9	01:45 PM - 01:50 PM	59.1	51.5
08:30 AM - 08:35 AM	51.7	43.6	11:10 AM - 11:15 AM	64.3	53.3	01:50 PM - 01:55 PM	56.4	52.3
08:35 AM - 08:40 AM	55.4	43.6	11:15 AM - 11:20 AM	63.3	53.8	01:55 PM - 02:00 PM	57.3	53.3
08:40 AM - 08:45 AM	50.8	43.3	11:20 AM - 11:25 AM	63.3	54.5	02:00 PM - 02:05 PM	64.1	51.9
08:45 AM - 08:50 AM	51.1	42.9	11:25 AM - 11:30 AM	63.2	54.1	02:05 PM - 02:10 PM	60.9	53.7
08:50 AM - 08:55 AM	51.6	43.6	11:30 AM - 11:35 AM	62.0	53.4	02:10 PM - 02:15 PM	69.6	54.0
08:55 AM - 09:00 AM	54.7	44.9	11:35 AM - 11:40 AM	61.4	52.9	02:15 PM - 02:20 PM	60.2	53.1
09:00 AM - 09:05 AM	49.6	44.5	11:40 AM - 11:45 AM	61.0	53.6	02:20 PM - 02:25 PM	60.1	51.7
09:05 AM - 09:10 AM	50.1	44.7	11:45 AM - 11:50 AM	61.5	52.5	02:25 PM - 02:30 PM	64.6	51.1
09:10 AM - 09:15 AM	51.5	44.3	11:50 AM - 11:55 AM	66.1	50.7	02:30 PM - 02:35 PM	63.2	51.6
09:15 AM - 09:20 AM	51.6	44.6	11:55 AM - 12:00 PM	59.8	52.4	02:35 PM - 02:40 PM	59.1	51.2
09:20 AM - 09:25 AM	50.9	45.8	12:00 PM - 12:05 PM	61.0	51.2	02:40 PM - 02:45 PM	59.2	50.9
09:25 AM - 09:30 AM	57.4	47.5	12:05 PM - 12:10 PM	65.2	50.4	02:45 PM - 02:50 PM	54.4	50.1
09:30 AM - 09:35 AM	55.7	47.8	12:10 PM - 12:15 PM	63.0	52.5	02:50 PM - 02:55 PM	56.6	49.8
09:35 AM - 09:40 AM	50.4	45.6	12:15 PM - 12:20 PM	65.8	52.1	02:55 PM - 03:00 PM	63.2	50.4

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Approved by

Sarayuth Jittranont
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

Lot ID: 2448807
Date Received :May 16, 2024
Date Reported :May 23, 2024
Report Number : 3000112-1

P/O : RJN(2)-018/66
Project Name : Pluak Daeng
Project Location :

Sample Number 2448807-7
Parameter Noise Level (Leq 5 min)
Location บ้านวังตาลหม่อน (N1) (GPS 47P 0734083, 1432148)
Measurement Date May 13 - May 14, 2024
Measurement by Saknarin Jaraskay
Sound Level meter Serial No. 920833

May 13, 2024 Time	Leq dB(A)	L90 dB(A)	May 13, 2024 Time	Leq dB(A)	L90 dB(A)	May 13, 2024 Time	Leq dB(A)	L90 dB(A)
03:00 PM - 03:05 PM	58.4	50.1	05:40 PM - 05:45 PM	66.1	65.8	08:20 PM - 08:25 PM	62.7	49.6
03:05 PM - 03:10 PM	55.5	51.3	05:45 PM - 05:50 PM	66.4	65.7	08:25 PM - 08:30 PM	65.0	55.8
03:10 PM - 03:15 PM	63.7	51.6	05:50 PM - 05:55 PM	66.1	54.2	08:30 PM - 08:35 PM	59.9	53.5
03:15 PM - 03:20 PM	60.5	51.7	05:55 PM - 06:00 PM	61.7	49.0	08:35 PM - 08:40 PM	62.3	51.5
03:20 PM - 03:25 PM	61.5	52.4	06:00 PM - 06:05 PM	56.3	45.3	08:40 PM - 08:45 PM	68.4	53.4
03:25 PM - 03:30 PM	60.6	51.7	06:05 PM - 06:10 PM	58.0	47.6	08:45 PM - 08:50 PM	60.5	52.9
03:30 PM - 03:35 PM	61.2	52.3	06:10 PM - 06:15 PM	56.3	46.9	08:50 PM - 08:55 PM	63.5	52.5
03:35 PM - 03:40 PM	60.6	52.8	06:15 PM - 06:20 PM	54.6	52.2	08:55 PM - 09:00 PM	62.5	57.6
03:40 PM - 03:45 PM	65.8	52.5	06:20 PM - 06:25 PM	62.3	53.9	09:00 PM - 09:05 PM	64.3	54.2
03:45 PM - 03:50 PM	54.1	51.8	06:25 PM - 06:30 PM	68.7	52.2	09:05 PM - 09:10 PM	60.5	53.8
03:50 PM - 03:55 PM	59.1	52.3	06:30 PM - 06:35 PM	58.6	52.6	09:10 PM - 09:15 PM	62.3	53.9
03:55 PM - 04:00 PM	53.3	49.6	06:35 PM - 06:40 PM	57.3	53.3	09:15 PM - 09:20 PM	60.5	54.3
04:00 PM - 04:05 PM	58.9	51.4	06:40 PM - 06:45 PM	59.5	53.6	09:20 PM - 09:25 PM	62.5	52.9
04:05 PM - 04:10 PM	60.7	49.8	06:45 PM - 06:50 PM	56.7	54.0	09:25 PM - 09:30 PM	65.2	53.0
04:10 PM - 04:15 PM	57.0	46.9	06:50 PM - 06:55 PM	58.4	50.0	09:30 PM - 09:35 PM	66.1	47.1
04:15 PM - 04:20 PM	55.4	49.0	06:55 PM - 07:00 PM	57.4	50.9	09:35 PM - 09:40 PM	64.4	53.6
04:20 PM - 04:25 PM	68.1	50.1	07:00 PM - 07:05 PM	57.2	50.2	09:40 PM - 09:45 PM	58.4	52.8
04:25 PM - 04:30 PM	52.8	45.9	07:05 PM - 07:10 PM	53.5	48.3	09:45 PM - 09:50 PM	61.1	54.0
04:30 PM - 04:35 PM	56.0	46.6	07:10 PM - 07:15 PM	62.0	51.2	09:50 PM - 09:55 PM	59.1	54.3
04:35 PM - 04:40 PM	52.3	45.6	07:15 PM - 07:20 PM	58.1	52.3	09:55 PM - 10:00 PM	64.1	52.3
04:40 PM - 04:45 PM	57.5	47.4	07:20 PM - 07:25 PM	56.7	52.1	10:00 PM - 10:05 PM	62.0	46.2
04:45 PM - 04:50 PM	53.5	46.6	07:25 PM - 07:30 PM	58.7	53.7	10:05 PM - 10:10 PM	62.7	49.3
04:50 PM - 04:55 PM	56.4	49.6	07:30 PM - 07:35 PM	57.7	53.3	10:10 PM - 10:15 PM	60.7	48.5
04:55 PM - 05:00 PM	57.5	50.2	07:35 PM - 07:40 PM	56.1	53.5	10:15 PM - 10:20 PM	56.3	49.9
05:00 PM - 05:05 PM	67.1	49.3	07:40 PM - 07:45 PM	59.2	53.4	10:20 PM - 10:25 PM	56.9	50.7
05:05 PM - 05:10 PM	59.8	51.2	07:45 PM - 07:50 PM	60.9	51.5	10:25 PM - 10:30 PM	57.4	50.7
05:10 PM - 05:15 PM	58.4	51.1	07:50 PM - 07:55 PM	57.4	52.5	10:30 PM - 10:35 PM	60.5	50.6
05:15 PM - 05:20 PM	60.6	50.5	07:55 PM - 08:00 PM	58.5	50.2	10:35 PM - 10:40 PM	55.7	51.2
05:20 PM - 05:25 PM	56.5	49.6	08:00 PM - 08:05 PM	57.8	49.0	10:40 PM - 10:45 PM	58.0	50.8
05:25 PM - 05:30 PM	66.9	65.5	08:05 PM - 08:10 PM	57.5	50.7	10:45 PM - 10:50 PM	55.7	50.3
05:30 PM - 05:35 PM	66.1	65.8	08:10 PM - 08:15 PM	62.7	50.3	10:50 PM - 10:55 PM	58.8	50.9
05:35 PM - 05:40 PM	66.6	65.7	08:15 PM - 08:20 PM	63.0	49.5	10:55 PM - 11:00 PM	57.4	50.7

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Approved by

Sarayuth Jittranont
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

Lot ID: 2448807
Date Received :May 16, 2024
Date Reported :May 23, 2024
Report Number : 3000112-1

P/O : RJN(2)-018/66
Project Name : Pluak Daeng
Project Location :

Sample Number 2448807-7
Parameter Noise Level (Leq 5 min)
Location **บ้านวังตาลหม่อน** (N1) (GPS 47P 0734083, 1432148)
Measurement Date May 13 - May 14, 2024
Measurement by Saknarin Jaraskay
Sound Level meter Serial No. 920833

May 13 - May 14, 2024 Time	Leq dB(A)	L90 dB(A)	May 14, 2024 Time	Leq dB(A)	L90 dB(A)	May 14, 2024 Time	Leq dB(A)	L90 dB(A)
11:00 PM - 11:05 PM	57.4	51.6	01:40 AM - 01:45 AM	66.0	49.5	04:20 AM - 04:25 AM	48.6	43.7
11:05 PM - 11:10 PM	60.7	51.1	01:45 AM - 01:50 AM	63.7	47.3	04:25 AM - 04:30 AM	46.4	43.4
11:10 PM - 11:15 PM	56.7	50.9	01:50 AM - 01:55 AM	58.2	48.0	04:30 AM - 04:35 AM	46.7	42.9
11:15 PM - 11:20 PM	63.1	50.6	01:55 AM - 02:00 AM	52.4	45.6	04:35 AM - 04:40 AM	44.8	43.4
11:20 PM - 11:25 PM	59.5	48.6	02:00 AM - 02:05 AM	48.8	44.1	04:40 AM - 04:45 AM	48.9	43.3
11:25 PM - 11:30 PM	56.7	48.3	02:05 AM - 02:10 AM	56.8	45.2	04:45 AM - 04:50 AM	46.8	42.8
11:30 PM - 11:35 PM	55.8	47.4	02:10 AM - 02:15 AM	51.2	45.5	04:50 AM - 04:55 AM	48.8	42.6
11:35 PM - 11:40 PM	57.8	47.5	02:15 AM - 02:20 AM	51.2	44.9	04:55 AM - 05:00 AM	50.2	44.0
11:40 PM - 11:45 PM	52.9	47.7	02:20 AM - 02:25 AM	53.3	45.0	05:00 AM - 05:05 AM	46.4	43.5
11:45 PM - 11:50 PM	53.2	47.4	02:25 AM - 02:30 AM	51.9	45.5	05:05 AM - 05:10 AM	45.3	44.2
11:50 PM - 11:55 PM	57.8	46.9	02:30 AM - 02:35 AM	54.1	45.9	05:10 AM - 05:15 AM	46.5	43.9
11:55 PM - 12:00 AM	51.9	46.8	02:35 AM - 02:40 AM	49.8	44.7	05:15 AM - 05:20 AM	48.7	44.0
12:00 AM - 12:05 AM	57.3	47.0	02:40 AM - 02:45 AM	49.5	45.3	05:20 AM - 05:25 AM	44.9	43.8
12:05 AM - 12:10 AM	65.2	49.1	02:45 AM - 02:50 AM	48.1	44.8	05:25 AM - 05:30 AM	56.9	44.7
12:10 AM - 12:15 AM	55.3	49.3	02:50 AM - 02:55 AM	50.9	44.7	05:30 AM - 05:35 AM	47.1	44.4
12:15 AM - 12:20 AM	56.9	49.6	02:55 AM - 03:00 AM	51.9	44.9	05:35 AM - 05:40 AM	45.1	43.6
12:20 AM - 12:25 AM	54.5	49.9	03:00 AM - 03:05 AM	53.1	44.9	05:40 AM - 05:45 AM	48.1	45.7
12:25 AM - 12:30 AM	61.4	50.5	03:05 AM - 03:10 AM	51.7	45.2	05:45 AM - 05:50 AM	47.1	45.9
12:30 AM - 12:35 AM	54.8	47.7	03:10 AM - 03:15 AM	49.2	44.3	05:50 AM - 05:55 AM	46.9	45.2
12:35 AM - 12:40 AM	55.2	48.7	03:15 AM - 03:20 AM	48.8	43.7	05:55 AM - 06:00 AM	48.9	45.8
12:40 AM - 12:45 AM	55.0	49.7	03:20 AM - 03:25 AM	51.3	44.6	06:00 AM - 06:05 AM	46.4	45.2
12:45 AM - 12:50 AM	53.6	47.7	03:25 AM - 03:30 AM	51.1	44.8	06:05 AM - 06:10 AM	44.1	42.0
12:50 AM - 12:55 AM	50.5	47.6	03:30 AM - 03:35 AM	47.7	43.5	06:10 AM - 06:15 AM	46.0	42.5
12:55 AM - 01:00 AM	54.3	46.7	03:35 AM - 03:40 AM	51.2	42.8	06:15 AM - 06:20 AM	44.1	42.5
01:00 AM - 01:05 AM	50.6	46.3	03:40 AM - 03:45 AM	46.4	42.5	06:20 AM - 06:25 AM	43.2	42.2
01:05 AM - 01:10 AM	52.9	46.7	03:45 AM - 03:50 AM	46.9	43.4	06:25 AM - 06:30 AM	44.3	42.4
01:10 AM - 01:15 AM	50.4	46.2	03:50 AM - 03:55 AM	47.1	43.2	06:30 AM - 06:35 AM	44.3	42.8
01:15 AM - 01:20 AM	50.1	45.4	03:55 AM - 04:00 AM	51.7	44.0	06:35 AM - 06:40 AM	47.5	42.9
01:20 AM - 01:25 AM	48.5	44.9	04:00 AM - 04:05 AM	46.0	43.4	06:40 AM - 06:45 AM	46.0	42.0
01:25 AM - 01:30 AM	51.3	45.0	04:05 AM - 04:10 AM	46.5	43.3	06:45 AM - 06:50 AM	49.1	42.6
01:30 AM - 01:35 AM	49.7	45.1	04:10 AM - 04:15 AM	47.1	43.8	06:50 AM - 06:55 AM	52.8	43.0
01:35 AM - 01:40 AM	67.4	46.6	04:15 AM - 04:20 AM	45.3	43.2	06:55 AM - 07:00 AM	46.2	43.7

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Sarayuth Jittranont
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

Lot ID: 2448807
Date Received :May 16, 2024
Date Reported :May 23, 2024
Report Number : 3000112-1

P/O : RJN(2)-018/66
Project Name : Pluak Daeng
Project Location :

Sample Number 2448807-7
Parameter Noise Level (Leq 5 min)
Location บ้านวังตาลหม่อน (N1) (GPS 47P 0734083, 1432148)
Measurement Date May 13 - May 14, 2024
Measurement by Saknarin Jaraskay
Sound Level meter Serial No. 920833

May 14, 2024 Time	Leq dB(A)	L90 dB(A)	May 14, 2024 Time	Leq dB(A)	L90 dB(A)	May 14, 2024 Time	Leq dB(A)	L90 dB(A)
07:00 AM - 07:05 AM	46.0	44.3	09:40 AM - 09:45 AM	57.7	48.5	12:20 PM - 12:25 PM	59.1	53.9
07:05 AM - 07:10 AM	45.6	43.5	09:45 AM - 09:50 AM	57.0	48.8	12:25 PM - 12:30 PM	57.5	53.7
07:10 AM - 07:15 AM	50.4	43.2	09:50 AM - 09:55 AM	61.2	52.0	12:30 PM - 12:35 PM	60.2	53.0
07:15 AM - 07:20 AM	45.3	43.2	09:55 AM - 10:00 AM	55.0	49.7	12:35 PM - 12:40 PM	62.6	53.7
07:20 AM - 07:25 AM	43.9	43.2	10:00 AM - 10:05 AM	56.4	51.6	12:40 PM - 12:45 PM	62.7	52.5
07:25 AM - 07:30 AM	47.2	44.1	10:05 AM - 10:10 AM	56.2	50.7	12:45 PM - 12:50 PM	64.2	53.5
07:30 AM - 07:35 AM	46.1	45.3	10:10 AM - 10:15 AM	65.3	52.1	12:50 PM - 12:55 PM	58.6	53.5
07:35 AM - 07:40 AM	45.6	44.2	10:15 AM - 10:20 AM	57.4	51.5	12:55 PM - 01:00 PM	62.8	52.9
07:40 AM - 07:45 AM	49.8	45.0	10:20 AM - 10:25 AM	61.9	52.1	01:00 PM - 01:05 PM	61.8	52.9
07:45 AM - 07:50 AM	48.4	45.7	10:25 AM - 10:30 AM	61.9	51.6	01:05 PM - 01:10 PM	64.9	53.2
07:50 AM - 07:55 AM	46.4	45.4	10:30 AM - 10:35 AM	58.9	51.6	01:10 PM - 01:15 PM	62.1	53.0
07:55 AM - 08:00 AM	52.5	45.6	10:35 AM - 10:40 AM	59.3	52.7	01:15 PM - 01:20 PM	61.9	52.3
08:00 AM - 08:05 AM	46.0	44.8	10:40 AM - 10:45 AM	66.7	52.9	01:20 PM - 01:25 PM	58.4	50.9
08:05 AM - 08:10 AM	44.7	44.1	10:45 AM - 10:50 AM	62.8	54.0	01:25 PM - 01:30 PM	63.4	50.5
08:10 AM - 08:15 AM	46.3	44.1	10:50 AM - 10:55 AM	62.1	54.3	01:30 PM - 01:35 PM	61.2	52.0
08:15 AM - 08:20 AM	45.6	43.3	10:55 AM - 11:00 AM	68.0	55.5	01:35 PM - 01:40 PM	63.0	53.4
08:20 AM - 08:25 AM	48.8	42.9	11:00 AM - 11:05 AM	64.0	55.3	01:40 PM - 01:45 PM	67.1	52.0
08:25 AM - 08:30 AM	46.6	43.7	11:05 AM - 11:10 AM	64.0	55.6	01:45 PM - 01:50 PM	55.8	49.5
08:30 AM - 08:35 AM	51.4	45.1	11:10 AM - 11:15 AM	63.9	56.5	01:50 PM - 01:55 PM	55.8	48.1
08:35 AM - 08:40 AM	51.5	44.6	11:15 AM - 11:20 AM	64.1	55.5	01:55 PM - 02:00 PM	57.1	47.1
08:40 AM - 08:45 AM	43.9	41.8	11:20 AM - 11:25 AM	65.4	55.8	02:00 PM - 02:05 PM	66.7	47.2
08:45 AM - 08:50 AM	47.8	43.7	11:25 AM - 11:30 AM	61.3	54.2	02:05 PM - 02:10 PM	56.4	49.3
08:50 AM - 08:55 AM	59.1	47.8	11:30 AM - 11:35 AM	60.1	53.3	02:10 PM - 02:15 PM	56.6	45.4
08:55 AM - 09:00 AM	51.6	48.1	11:35 AM - 11:40 AM	63.7	54.0	02:15 PM - 02:20 PM	65.0	52.4
09:00 AM - 09:05 AM	50.2	46.5	11:40 AM - 11:45 AM	63.1	53.9	02:20 PM - 02:25 PM	66.8	50.5
09:05 AM - 09:10 AM	52.0	46.8	11:45 AM - 11:50 AM	56.4	51.2	02:25 PM - 02:30 PM	56.7	49.6
09:10 AM - 09:15 AM	51.1	46.7	11:50 AM - 11:55 AM	63.6	54.8	02:30 PM - 02:35 PM	52.8	47.4
09:15 AM - 09:20 AM	51.3	46.7	11:55 AM - 12:00 PM	60.8	52.8	02:35 PM - 02:40 PM	53.8	48.6
09:20 AM - 09:25 AM	57.7	49.0	12:00 PM - 12:05 PM	64.9	54.2	02:40 PM - 02:45 PM	63.3	54.2
09:25 AM - 09:30 AM	55.7	50.5	12:05 PM - 12:10 PM	60.9	54.1	02:45 PM - 02:50 PM	63.1	53.5
09:30 AM - 09:35 AM	55.2	47.6	12:10 PM - 12:15 PM	66.5	53.2	02:50 PM - 02:55 PM	59.6	52.1
09:35 AM - 09:40 AM	53.0	48.6	12:15 PM - 12:20 PM	63.7	53.2	02:55 PM - 03:00 PM	64.6	51.7

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Sarayuth Jittranont
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

Lot ID: 2448807
Date Received :May 16, 2024
Date Reported :May 23, 2024
Report Number : 3000113-1

P/O : RJN(2)-018/66
Project Name : Pluak Daeng
Project Location :

Sample Number 2448807-8
Parameter Noise Level (Leq 5 min)
Location บ้านพักอาศัย หมู่ 2 ซ.มาบยางพร 15 (N2) (GPS 47P 0733648, 1434012)
Measurement Date May 07 - May 08, 2024
Measurement by Saknarin Jaraskay
Sound Level meter Serial No. 920831

May 07, 2024 Time	Leq dB(A)	L90 dB(A)	May 07, 2024 Time	Leq dB(A)	L90 dB(A)	May 07, 2024 Time	Leq dB(A)	L90 dB(A)
03:00 PM - 03:05 PM	58.9	46.0	05:40 PM - 05:45 PM	63.4	50.9	08:20 PM - 08:25 PM	57.5	47.7
03:05 PM - 03:10 PM	61.8	45.6	05:45 PM - 05:50 PM	61.1	47.2	08:25 PM - 08:30 PM	60.1	44.6
03:10 PM - 03:15 PM	60.9	46.7	05:50 PM - 05:55 PM	60.7	50.2	08:30 PM - 08:35 PM	58.7	44.3
03:15 PM - 03:20 PM	58.5	45.5	05:55 PM - 06:00 PM	63.7	48.8	08:35 PM - 08:40 PM	59.9	44.1
03:20 PM - 03:25 PM	59.4	45.7	06:00 PM - 06:05 PM	58.2	45.9	08:40 PM - 08:45 PM	57.0	42.7
03:25 PM - 03:30 PM	56.8	46.1	06:05 PM - 06:10 PM	60.6	46.6	08:45 PM - 08:50 PM	59.8	43.8
03:30 PM - 03:35 PM	58.9	44.8	06:10 PM - 06:15 PM	57.7	45.6	08:50 PM - 08:55 PM	59.3	43.0
03:35 PM - 03:40 PM	55.9	44.7	06:15 PM - 06:20 PM	60.8	45.0	08:55 PM - 09:00 PM	56.4	42.1
03:40 PM - 03:45 PM	62.3	44.6	06:20 PM - 06:25 PM	58.2	44.7	09:00 PM - 09:05 PM	59.0	43.0
03:45 PM - 03:50 PM	57.7	45.0	06:25 PM - 06:30 PM	58.2	44.6	09:05 PM - 09:10 PM	54.7	41.7
03:50 PM - 03:55 PM	57.0	46.9	06:30 PM - 06:35 PM	63.0	47.5	09:10 PM - 09:15 PM	63.1	42.4
03:55 PM - 04:00 PM	61.1	48.5	06:35 PM - 06:40 PM	57.5	44.3	09:15 PM - 09:20 PM	59.9	42.3
04:00 PM - 04:05 PM	55.4	45.9	06:40 PM - 06:45 PM	64.3	48.4	09:20 PM - 09:25 PM	55.6	41.0
04:05 PM - 04:10 PM	59.2	46.0	06:45 PM - 06:50 PM	57.6	46.0	09:25 PM - 09:30 PM	58.2	41.6
04:10 PM - 04:15 PM	60.4	47.2	06:50 PM - 06:55 PM	60.7	46.9	09:30 PM - 09:35 PM	54.9	41.1
04:15 PM - 04:20 PM	58.1	46.3	06:55 PM - 07:00 PM	60.7	46.5	09:35 PM - 09:40 PM	56.9	42.0
04:20 PM - 04:25 PM	59.0	47.4	07:00 PM - 07:05 PM	61.4	46.8	09:40 PM - 09:45 PM	52.0	40.6
04:25 PM - 04:30 PM	56.4	46.1	07:05 PM - 07:10 PM	60.0	44.4	09:45 PM - 09:50 PM	52.2	41.0
04:30 PM - 04:35 PM	59.8	48.3	07:10 PM - 07:15 PM	63.0	49.3	09:50 PM - 09:55 PM	56.7	39.7
04:35 PM - 04:40 PM	59.5	44.7	07:15 PM - 07:20 PM	60.8	48.8	09:55 PM - 10:00 PM	59.4	39.5
04:40 PM - 04:45 PM	58.0	46.2	07:20 PM - 07:25 PM	61.2	48.3	10:00 PM - 10:05 PM	51.2	39.2
04:45 PM - 04:50 PM	58.3	45.7	07:25 PM - 07:30 PM	62.0	46.9	10:05 PM - 10:10 PM	43.5	38.8
04:50 PM - 04:55 PM	61.9	49.1	07:30 PM - 07:35 PM	62.8	47.7	10:10 PM - 10:15 PM	58.0	40.2
04:55 PM - 05:00 PM	65.9	53.1	07:35 PM - 07:40 PM	61.0	46.3	10:15 PM - 10:20 PM	47.8	39.5
05:00 PM - 05:05 PM	64.1	47.4	07:40 PM - 07:45 PM	59.2	42.8	10:20 PM - 10:25 PM	50.9	39.5
05:05 PM - 05:10 PM	64.7	52.0	07:45 PM - 07:50 PM	57.4	43.2	10:25 PM - 10:30 PM	57.6	39.6
05:10 PM - 05:15 PM	62.8	51.7	07:50 PM - 07:55 PM	62.1	45.6	10:30 PM - 10:35 PM	47.1	39.7
05:15 PM - 05:20 PM	62.1	50.7	07:55 PM - 08:00 PM	67.9	54.7	10:35 PM - 10:40 PM	53.7	40.0
05:20 PM - 05:25 PM	59.7	48.3	08:00 PM - 08:05 PM	63.2	48.5	10:40 PM - 10:45 PM	55.8	39.8
05:25 PM - 05:30 PM	60.4	48.0	08:05 PM - 08:10 PM	62.2	47.1	10:45 PM - 10:50 PM	62.6	39.6
05:30 PM - 05:35 PM	60.1	48.4	08:10 PM - 08:15 PM	57.6	44.4	10:50 PM - 10:55 PM	49.3	39.6
05:35 PM - 05:40 PM	62.2	47.8	08:15 PM - 08:20 PM	60.6	45.4	10:55 PM - 11:00 PM	56.7	39.9

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Approved by

Sarayuth Jittranont
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

Lot ID: 2448807
Date Received :May 16, 2024
Date Reported :May 23, 2024
Report Number : 3000113-1

P/O : RJN(2)-018/66
Project Name : Pluak Daeng
Project Location :

Sample Number 2448807-8
Parameter Noise Level (Leq 5 min)
Location บ้านพักอาศัย หมู่ 2 ซ.มาบยางพร 15 (N2) (GPS 47P 0733648, 1434012)
Measurement Date May 07 - May 08, 2024
Measurement by Saknarin Jaraskay
Sound Level meter Serial No. 920831

May 07 - May 08, 2024	Leq	L90	May 08, 2024	Leq	L90	May 08, 2024	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
11:00 PM - 11:05 PM	58.1	41.8	01:40 AM - 01:45 AM	44.5	39.7	04:20 AM - 04:25 AM	54.7	37.8
11:05 PM - 11:10 PM	53.6	39.9	01:45 AM - 01:50 AM	43.0	38.4	04:25 AM - 04:30 AM	52.6	39.0
11:10 PM - 11:15 PM	55.0	39.6	01:50 AM - 01:55 AM	45.2	41.7	04:30 AM - 04:35 AM	50.0	38.1
11:15 PM - 11:20 PM	57.7	40.7	01:55 AM - 02:00 AM	45.8	40.1	04:35 AM - 04:40 AM	62.4	38.5
11:20 PM - 11:25 PM	53.7	40.0	02:00 AM - 02:05 AM	45.7	39.9	04:40 AM - 04:45 AM	51.7	37.7
11:25 PM - 11:30 PM	63.5	40.6	02:05 AM - 02:10 AM	44.4	39.5	04:45 AM - 04:50 AM	52.9	38.2
11:30 PM - 11:35 PM	57.1	41.3	02:10 AM - 02:15 AM	45.4	40.1	04:50 AM - 04:55 AM	53.4	42.5
11:35 PM - 11:40 PM	47.1	38.7	02:15 AM - 02:20 AM	42.9	39.8	04:55 AM - 05:00 AM	59.1	44.4
11:40 PM - 11:45 PM	50.9	38.8	02:20 AM - 02:25 AM	46.6	41.3	05:00 AM - 05:05 AM	54.5	46.4
11:45 PM - 11:50 PM	49.5	40.0	02:25 AM - 02:30 AM	48.7	41.7	05:05 AM - 05:10 AM	56.6	44.6
11:50 PM - 11:55 PM	53.5	38.8	02:30 AM - 02:35 AM	48.0	41.8	05:10 AM - 05:15 AM	62.6	47.9
11:55 PM - 12:00 AM	57.9	39.6	02:35 AM - 02:40 AM	46.9	42.7	05:15 AM - 05:20 AM	61.4	45.5
12:00 AM - 12:05 AM	56.1	39.0	02:40 AM - 02:45 AM	44.5	40.0	05:20 AM - 05:25 AM	58.8	46.0
12:05 AM - 12:10 AM	55.4	39.2	02:45 AM - 02:50 AM	44.8	40.1	05:25 AM - 05:30 AM	54.7	45.3
12:10 AM - 12:15 AM	54.7	39.8	02:50 AM - 02:55 AM	47.2	40.8	05:30 AM - 05:35 AM	56.0	43.2
12:15 AM - 12:20 AM	51.4	40.0	02:55 AM - 03:00 AM	48.4	40.6	05:35 AM - 05:40 AM	58.9	42.9
12:20 AM - 12:25 AM	53.3	40.2	03:00 AM - 03:05 AM	46.2	40.9	05:40 AM - 05:45 AM	55.5	42.0
12:25 AM - 12:30 AM	44.0	37.9	03:05 AM - 03:10 AM	45.3	39.8	05:45 AM - 05:50 AM	56.6	41.7
12:30 AM - 12:35 AM	53.1	40.7	03:10 AM - 03:15 AM	46.8	39.5	05:50 AM - 05:55 AM	57.9	43.9
12:35 AM - 12:40 AM	44.3	38.9	03:15 AM - 03:20 AM	48.5	40.2	05:55 AM - 06:00 AM	59.3	43.5
12:40 AM - 12:45 AM	45.5	37.8	03:20 AM - 03:25 AM	51.3	42.0	06:00 AM - 06:05 AM	57.1	42.8
12:45 AM - 12:50 AM	46.6	38.0	03:25 AM - 03:30 AM	47.7	41.1	06:05 AM - 06:10 AM	61.2	45.5
12:50 AM - 12:55 AM	51.3	37.8	03:30 AM - 03:35 AM	46.7	40.6	06:10 AM - 06:15 AM	61.0	44.2
12:55 AM - 01:00 AM	47.9	38.3	03:35 AM - 03:40 AM	50.9	40.8	06:15 AM - 06:20 AM	59.6	47.9
01:00 AM - 01:05 AM	44.4	37.5	03:40 AM - 03:45 AM	48.9	40.9	06:20 AM - 06:25 AM	62.8	48.4
01:05 AM - 01:10 AM	45.6	38.6	03:45 AM - 03:50 AM	48.6	41.8	06:25 AM - 06:30 AM	59.2	47.9
01:10 AM - 01:15 AM	45.0	38.9	03:50 AM - 03:55 AM	41.1	39.9	06:30 AM - 06:35 AM	64.2	48.8
01:15 AM - 01:20 AM	45.9	39.2	03:55 AM - 04:00 AM	47.0	39.5	06:35 AM - 06:40 AM	61.9	50.7
01:20 AM - 01:25 AM	44.9	40.6	04:00 AM - 04:05 AM	48.3	39.5	06:40 AM - 06:45 AM	62.8	50.9
01:25 AM - 01:30 AM	46.0	39.5	04:05 AM - 04:10 AM	51.4	38.4	06:45 AM - 06:50 AM	63.7	50.6
01:30 AM - 01:35 AM	50.7	41.0	04:10 AM - 04:15 AM	52.1	43.6	06:50 AM - 06:55 AM	62.5	51.3
01:35 AM - 01:40 AM	47.9	40.8	04:15 AM - 04:20 AM	51.2	39.6	06:55 AM - 07:00 AM	66.2	51.6

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Approved by

Sarayuth Jittranont
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

Lot ID: 2448807
Date Received :May 16, 2024
Date Reported :May 23, 2024
Report Number : 3000113-1

P/O : RJN(2)-018/66
Project Name : Pluak Daeng
Project Location :

Sample Number 2448807-8
Parameter Noise Level (Leq 5 min)
Location บ้านพักอาศัย หมู่ 2 ซ.มาบยางพร 15 (N2) (GPS 47P 0733648, 1434012)
Measurement Date May 07 - May 08, 2024
Measurement by Saknarin Jaraskay
Sound Level meter Serial No. 920831

May 08, 2024 Time	Leq dB(A)	L90 dB(A)	May 08, 2024 Time	Leq dB(A)	L90 dB(A)	May 08, 2024 Time	Leq dB(A)	L90 dB(A)
07:00 AM - 07:05 AM	64.6	49.8	09:40 AM - 09:45 AM	56.9	45.8	12:20 PM - 12:25 PM	60.4	41.6
07:05 AM - 07:10 AM	63.5	51.5	09:45 AM - 09:50 AM	56.3	44.1	12:25 PM - 12:30 PM	54.7	42.1
07:10 AM - 07:15 AM	63.0	54.2	09:50 AM - 09:55 AM	62.1	44.9	12:30 PM - 12:35 PM	58.3	42.1
07:15 AM - 07:20 AM	66.4	53.4	09:55 AM - 10:00 AM	57.3	46.9	12:35 PM - 12:40 PM	58.7	42.8
07:20 AM - 07:25 AM	64.8	55.6	10:00 AM - 10:05 AM	62.2	46.0	12:40 PM - 12:45 PM	59.8	46.9
07:25 AM - 07:30 AM	63.5	54.2	10:05 AM - 10:10 AM	56.6	44.4	12:45 PM - 12:50 PM	59.5	45.1
07:30 AM - 07:35 AM	67.2	52.2	10:10 AM - 10:15 AM	53.5	44.5	12:50 PM - 12:55 PM	60.5	43.3
07:35 AM - 07:40 AM	66.9	53.8	10:15 AM - 10:20 AM	57.3	44.7	12:55 PM - 01:00 PM	54.5	40.2
07:40 AM - 07:45 AM	63.6	51.5	10:20 AM - 10:25 AM	58.6	44.2	01:00 PM - 01:05 PM	58.2	44.8
07:45 AM - 07:50 AM	65.8	53.2	10:25 AM - 10:30 AM	58.0	44.3	01:05 PM - 01:10 PM	56.4	44.9
07:50 AM - 07:55 AM	64.6	59.2	10:30 AM - 10:35 AM	56.3	41.7	01:10 PM - 01:15 PM	56.8	44.5
07:55 AM - 08:00 AM	68.6	62.8	10:35 AM - 10:40 AM	61.3	45.8	01:15 PM - 01:20 PM	60.6	44.7
08:00 AM - 08:05 AM	69.0	62.9	10:40 AM - 10:45 AM	58.8	44.5	01:20 PM - 01:25 PM	55.6	41.1
08:05 AM - 08:10 AM	64.9	59.6	10:45 AM - 10:50 AM	57.6	43.1	01:25 PM - 01:30 PM	54.6	39.7
08:10 AM - 08:15 AM	67.1	58.6	10:50 AM - 10:55 AM	58.2	43.2	01:30 PM - 01:35 PM	54.1	39.8
08:15 AM - 08:20 AM	62.4	57.3	10:55 AM - 11:00 AM	58.7	44.6	01:35 PM - 01:40 PM	55.7	41.5
08:20 AM - 08:25 AM	63.2	57.0	11:00 AM - 11:05 AM	57.3	43.9	01:40 PM - 01:45 PM	57.2	43.1
08:25 AM - 08:30 AM	62.9	59.6	11:05 AM - 11:10 AM	56.1	43.0	01:45 PM - 01:50 PM	54.1	42.6
08:30 AM - 08:35 AM	64.8	59.2	11:10 AM - 11:15 AM	57.5	43.5	01:50 PM - 01:55 PM	56.1	44.0
08:35 AM - 08:40 AM	60.6	56.6	11:15 AM - 11:20 AM	59.9	44.0	01:55 PM - 02:00 PM	52.8	45.0
08:40 AM - 08:45 AM	62.2	57.2	11:20 AM - 11:25 AM	55.2	42.5	02:00 PM - 02:05 PM	55.5	43.5
08:45 AM - 08:50 AM	61.0	54.3	11:25 AM - 11:30 AM	57.6	42.5	02:05 PM - 02:10 PM	54.3	43.0
08:50 AM - 08:55 AM	62.8	56.6	11:30 AM - 11:35 AM	56.4	43.6	02:10 PM - 02:15 PM	56.4	42.1
08:55 AM - 09:00 AM	62.7	58.9	11:35 AM - 11:40 AM	58.4	44.8	02:15 PM - 02:20 PM	57.8	43.7
09:00 AM - 09:05 AM	62.9	60.0	11:40 AM - 11:45 AM	56.1	42.4	02:20 PM - 02:25 PM	57.1	43.1
09:05 AM - 09:10 AM	63.0	59.0	11:45 AM - 11:50 AM	69.4	46.1	02:25 PM - 02:30 PM	57.4	41.8
09:10 AM - 09:15 AM	64.4	59.8	11:50 AM - 11:55 AM	69.4	51.2	02:30 PM - 02:35 PM	57.0	43.9
09:15 AM - 09:20 AM	63.5	58.5	11:55 AM - 12:00 PM	59.9	43.2	02:35 PM - 02:40 PM	60.3	43.6
09:20 AM - 09:25 AM	63.5	49.7	12:00 PM - 12:05 PM	60.1	43.1	02:40 PM - 02:45 PM	56.8	43.7
09:25 AM - 09:30 AM	57.3	46.2	12:05 PM - 12:10 PM	59.6	44.5	02:45 PM - 02:50 PM	53.7	43.5
09:30 AM - 09:35 AM	59.3	47.0	12:10 PM - 12:15 PM	58.6	42.2	02:50 PM - 02:55 PM	53.8	42.3
09:35 AM - 09:40 AM	57.1	46.4	12:15 PM - 12:20 PM	69.0	44.4	02:55 PM - 03:00 PM	57.9	43.2

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Approved by

Sarayuth Jittranont
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

Lot ID: 2448807
Date Received :May 16, 2024
Date Reported :May 23, 2024
Report Number : 3000114-1

P/O : RJN(2)-018/66
Project Name : Pluak Daeng
Project Location :

Sample Number 2448807-9
Parameter Noise Level (Leq 5 min)
Location บ้านพักอาศัย หมู่ 2 ซ.มาบยางพร 15 (N2) (GPS 47P 0733648, 1434012)
Measurement Date May 08 - May 09, 2024
Measurement by Saknarin Jaraskay
Sound Level meter Serial No. 920831

May 08, 2024 Time	Leq dB(A)	L90 dB(A)	May 08, 2024 Time	Leq dB(A)	L90 dB(A)	May 08, 2024 Time	Leq dB(A)	L90 dB(A)
03:00 PM - 03:05 PM	59.0	44.1	05:40 PM - 05:45 PM	64.5	46.8	08:20 PM - 08:25 PM	61.4	45.1
03:05 PM - 03:10 PM	56.9	44.1	05:45 PM - 05:50 PM	59.9	46.4	08:25 PM - 08:30 PM	62.1	50.4
03:10 PM - 03:15 PM	58.9	44.3	05:50 PM - 05:55 PM	65.3	48.4	08:30 PM - 08:35 PM	58.3	44.8
03:15 PM - 03:20 PM	57.2	44.5	05:55 PM - 06:00 PM	62.3	48.9	08:35 PM - 08:40 PM	58.8	45.9
03:20 PM - 03:25 PM	55.4	43.0	06:00 PM - 06:05 PM	58.7	43.7	08:40 PM - 08:45 PM	56.7	43.2
03:25 PM - 03:30 PM	53.3	42.3	06:05 PM - 06:10 PM	60.2	49.1	08:45 PM - 08:50 PM	56.8	43.5
03:30 PM - 03:35 PM	60.1	44.6	06:10 PM - 06:15 PM	61.7	45.6	08:50 PM - 08:55 PM	59.6	44.9
03:35 PM - 03:40 PM	60.4	43.9	06:15 PM - 06:20 PM	62.9	45.0	08:55 PM - 09:00 PM	54.9	43.4
03:40 PM - 03:45 PM	54.0	45.3	06:20 PM - 06:25 PM	61.3	44.9	09:00 PM - 09:05 PM	58.5	42.8
03:45 PM - 03:50 PM	57.7	44.5	06:25 PM - 06:30 PM	59.1	45.7	09:05 PM - 09:10 PM	57.6	42.0
03:50 PM - 03:55 PM	56.0	45.6	06:30 PM - 06:35 PM	61.6	47.5	09:10 PM - 09:15 PM	56.4	42.5
03:55 PM - 04:00 PM	57.3	47.9	06:35 PM - 06:40 PM	60.3	44.5	09:15 PM - 09:20 PM	57.3	41.8
04:00 PM - 04:05 PM	57.3	46.5	06:40 PM - 06:45 PM	60.0	50.2	09:20 PM - 09:25 PM	56.2	41.0
04:05 PM - 04:10 PM	57.9	44.4	06:45 PM - 06:50 PM	60.0	46.1	09:25 PM - 09:30 PM	59.7	41.9
04:10 PM - 04:15 PM	56.4	46.4	06:50 PM - 06:55 PM	60.3	46.5	09:30 PM - 09:35 PM	63.5	43.3
04:15 PM - 04:20 PM	58.5	45.6	06:55 PM - 07:00 PM	58.7	48.5	09:35 PM - 09:40 PM	56.9	42.9
04:20 PM - 04:25 PM	55.8	43.3	07:00 PM - 07:05 PM	60.9	46.0	09:40 PM - 09:45 PM	55.3	41.7
04:25 PM - 04:30 PM	56.8	45.0	07:05 PM - 07:10 PM	67.2	48.7	09:45 PM - 09:50 PM	49.7	40.3
04:30 PM - 04:35 PM	54.2	44.1	07:10 PM - 07:15 PM	63.2	49.2	09:50 PM - 09:55 PM	58.2	40.5
04:35 PM - 04:40 PM	59.0	44.9	07:15 PM - 07:20 PM	58.9	45.3	09:55 PM - 10:00 PM	54.3	40.4
04:40 PM - 04:45 PM	59.7	44.9	07:20 PM - 07:25 PM	61.9	51.3	10:00 PM - 10:05 PM	54.7	40.2
04:45 PM - 04:50 PM	64.6	44.2	07:25 PM - 07:30 PM	61.6	48.4	10:05 PM - 10:10 PM	53.2	40.3
04:50 PM - 04:55 PM	61.9	46.5	07:30 PM - 07:35 PM	63.0	50.6	10:10 PM - 10:15 PM	51.1	39.1
04:55 PM - 05:00 PM	65.6	50.1	07:35 PM - 07:40 PM	59.4	45.0	10:15 PM - 10:20 PM	52.5	39.1
05:00 PM - 05:05 PM	60.9	47.3	07:40 PM - 07:45 PM	59.6	45.6	10:20 PM - 10:25 PM	51.6	38.5
05:05 PM - 05:10 PM	61.4	46.9	07:45 PM - 07:50 PM	57.2	43.6	10:25 PM - 10:30 PM	51.5	38.9
05:10 PM - 05:15 PM	61.4	48.6	07:50 PM - 07:55 PM	61.2	45.9	10:30 PM - 10:35 PM	52.6	38.8
05:15 PM - 05:20 PM	62.5	48.0	07:55 PM - 08:00 PM	66.4	51.6	10:35 PM - 10:40 PM	50.7	39.6
05:20 PM - 05:25 PM	62.3	49.0	08:00 PM - 08:05 PM	69.0	50.3	10:40 PM - 10:45 PM	53.3	39.3
05:25 PM - 05:30 PM	60.8	48.2	08:05 PM - 08:10 PM	60.9	44.7	10:45 PM - 10:50 PM	52.0	39.1
05:30 PM - 05:35 PM	60.5	46.1	08:10 PM - 08:15 PM	60.1	44.4	10:50 PM - 10:55 PM	47.5	38.9
05:35 PM - 05:40 PM	61.7	48.3	08:15 PM - 08:20 PM	61.2	45.2	10:55 PM - 11:00 PM	52.9	39.7

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Approved by

Sarayuth Jittranont
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

Lot ID: 2448807
Date Received :May 16, 2024
Date Reported :May 23, 2024
Report Number : 3000114-1

P/O : RJN(2)-018/66
Project Name : Pluak Daeng
Project Location :

Sample Number 2448807-9
Parameter Noise Level (Leq 5 min)
Location บ้านพักอาศัย หมู่ 2 ซ.มาบยางพร 15 (N2) (GPS 47P 0733648, 1434012)
Measurement Date May 08 - May 09, 2024
Measurement by Saknarin Jaraskay
Sound Level meter Serial No. 920831

May 08 - May 09, 2024 Time	Leq dB(A)	L90 dB(A)	May 09, 2024 Time	Leq dB(A)	L90 dB(A)	May 09, 2024 Time	Leq dB(A)	L90 dB(A)
11:00 PM - 11:05 PM	53.2	39.1	01:40 AM - 01:45 AM	39.1	38.4	04:20 AM - 04:25 AM	51.6	41.9
11:05 PM - 11:10 PM	46.2	39.8	01:45 AM - 01:50 AM	41.6	37.8	04:25 AM - 04:30 AM	47.6	40.8
11:10 PM - 11:15 PM	47.7	39.6	01:50 AM - 01:55 AM	46.3	37.8	04:30 AM - 04:35 AM	48.8	39.9
11:15 PM - 11:20 PM	46.7	39.2	01:55 AM - 02:00 AM	44.1	38.2	04:35 AM - 04:40 AM	46.8	38.5
11:20 PM - 11:25 PM	56.2	39.7	02:00 AM - 02:05 AM	50.3	38.1	04:40 AM - 04:45 AM	53.3	38.5
11:25 PM - 11:30 PM	39.8	37.8	02:05 AM - 02:10 AM	38.6	37.6	04:45 AM - 04:50 AM	51.5	38.8
11:30 PM - 11:35 PM	49.0	37.8	02:10 AM - 02:15 AM	39.1	38.2	04:50 AM - 04:55 AM	52.2	38.6
11:35 PM - 11:40 PM	51.2	38.2	02:15 AM - 02:20 AM	57.7	38.9	04:55 AM - 05:00 AM	55.0	38.9
11:40 PM - 11:45 PM	55.8	39.6	02:20 AM - 02:25 AM	38.9	38.3	05:00 AM - 05:05 AM	51.9	39.0
11:45 PM - 11:50 PM	52.9	38.9	02:25 AM - 02:30 AM	38.6	37.8	05:05 AM - 05:10 AM	48.6	39.5
11:50 PM - 11:55 PM	54.6	38.8	02:30 AM - 02:35 AM	38.7	38.1	05:10 AM - 05:15 AM	54.5	40.0
11:55 PM - 12:00 AM	48.1	38.3	02:35 AM - 02:40 AM	43.9	38.8	05:15 AM - 05:20 AM	57.9	41.6
12:00 AM - 12:05 AM	46.2	39.4	02:40 AM - 02:45 AM	54.5	40.4	05:20 AM - 05:25 AM	63.3	42.5
12:05 AM - 12:10 AM	48.8	38.2	02:45 AM - 02:50 AM	48.6	39.6	05:25 AM - 05:30 AM	57.7	41.1
12:10 AM - 12:15 AM	44.4	37.3	02:50 AM - 02:55 AM	48.4	38.1	05:30 AM - 05:35 AM	57.0	42.3
12:15 AM - 12:20 AM	52.2	37.5	02:55 AM - 03:00 AM	47.7	38.2	05:35 AM - 05:40 AM	59.3	43.2
12:20 AM - 12:25 AM	56.7	38.5	03:00 AM - 03:05 AM	46.0	38.2	05:40 AM - 05:45 AM	58.1	43.2
12:25 AM - 12:30 AM	52.7	38.3	03:05 AM - 03:10 AM	44.0	38.0	05:45 AM - 05:50 AM	59.4	43.1
12:30 AM - 12:35 AM	44.0	36.8	03:10 AM - 03:15 AM	38.5	37.7	05:50 AM - 05:55 AM	56.5	41.7
12:35 AM - 12:40 AM	46.1	36.7	03:15 AM - 03:20 AM	47.4	38.8	05:55 AM - 06:00 AM	56.7	42.3
12:40 AM - 12:45 AM	55.9	38.1	03:20 AM - 03:25 AM	47.9	40.4	06:00 AM - 06:05 AM	58.4	43.2
12:45 AM - 12:50 AM	50.1	38.1	03:25 AM - 03:30 AM	50.2	40.6	06:05 AM - 06:10 AM	59.5	43.6
12:50 AM - 12:55 AM	53.3	37.7	03:30 AM - 03:35 AM	48.7	41.0	06:10 AM - 06:15 AM	59.3	43.7
12:55 AM - 01:00 AM	52.7	38.0	03:35 AM - 03:40 AM	46.8	41.5	06:15 AM - 06:20 AM	60.6	45.9
01:00 AM - 01:05 AM	43.3	36.9	03:40 AM - 03:45 AM	50.1	41.5	06:20 AM - 06:25 AM	59.0	45.6
01:05 AM - 01:10 AM	42.9	36.8	03:45 AM - 03:50 AM	44.7	40.6	06:25 AM - 06:30 AM	61.8	47.6
01:10 AM - 01:15 AM	41.0	36.2	03:50 AM - 03:55 AM	45.1	41.8	06:30 AM - 06:35 AM	60.6	49.5
01:15 AM - 01:20 AM	46.6	36.9	03:55 AM - 04:00 AM	49.5	42.9	06:35 AM - 06:40 AM	62.2	51.5
01:20 AM - 01:25 AM	46.7	36.8	04:00 AM - 04:05 AM	47.3	42.7	06:40 AM - 06:45 AM	63.9	46.1
01:25 AM - 01:30 AM	58.1	36.8	04:05 AM - 04:10 AM	46.8	43.7	06:45 AM - 06:50 AM	62.4	49.9
01:30 AM - 01:35 AM	57.3	38.0	04:10 AM - 04:15 AM	53.9	45.3	06:50 AM - 06:55 AM	64.2	50.6
01:35 AM - 01:40 AM	44.3	38.2	04:15 AM - 04:20 AM	67.3	43.7	06:55 AM - 07:00 AM	61.5	48.7

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Approved by

Sarayuth Jittranont
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

Lot ID: 2448807
Date Received :May 16, 2024
Date Reported :May 23, 2024
Report Number : 3000114-1

P/O : RJN(2)-018/66
Project Name : Pluak Daeng
Project Location :

Sample Number 2448807-9
Parameter Noise Level (Leq 5 min)
Location บ้านพักอาศัย หมู่ 2 ซ.มาบยางพร 15 (N2) (GPS 47P 0733648, 1434012)
Measurement Date May 08 - May 09, 2024
Measurement by Saknarin Jaraskay
Sound Level meter Serial No. 920831

May 09, 2024 Time	Leq dB(A)	L90 dB(A)	May 09, 2024 Time	Leq dB(A)	L90 dB(A)	May 09, 2024 Time	Leq dB(A)	L90 dB(A)
07:00 AM - 07:05 AM	65.3	53.1	09:40 AM - 09:45 AM	56.1	44.3	12:20 PM - 12:25 PM	64.1	46.4
07:05 AM - 07:10 AM	64.6	50.3	09:45 AM - 09:50 AM	62.5	45.0	12:25 PM - 12:30 PM	54.0	45.6
07:10 AM - 07:15 AM	64.1	53.6	09:50 AM - 09:55 AM	61.0	44.7	12:30 PM - 12:35 PM	61.1	44.8
07:15 AM - 07:20 AM	63.5	50.8	09:55 AM - 10:00 AM	56.9	43.6	12:35 PM - 12:40 PM	61.1	45.7
07:20 AM - 07:25 AM	66.7	54.5	10:00 AM - 10:05 AM	58.5	43.8	12:40 PM - 12:45 PM	57.8	46.3
07:25 AM - 07:30 AM	64.2	49.9	10:05 AM - 10:10 AM	58.8	45.5	12:45 PM - 12:50 PM	59.4	46.4
07:30 AM - 07:35 AM	64.6	52.3	10:10 AM - 10:15 AM	55.9	45.1	12:50 PM - 12:55 PM	57.6	42.5
07:35 AM - 07:40 AM	69.0	54.1	10:15 AM - 10:20 AM	64.2	45.0	12:55 PM - 01:00 PM	59.9	42.9
07:40 AM - 07:45 AM	63.4	47.6	10:20 AM - 10:25 AM	59.0	45.9	01:00 PM - 01:05 PM	56.9	41.0
07:45 AM - 07:50 AM	64.1	43.0	10:25 AM - 10:30 AM	60.1	45.8	01:05 PM - 01:10 PM	62.5	43.2
07:50 AM - 07:55 AM	63.8	46.4	10:30 AM - 10:35 AM	60.3	45.8	01:10 PM - 01:15 PM	56.9	43.9
07:55 AM - 08:00 AM	65.7	50.3	10:35 AM - 10:40 AM	55.2	44.6	01:15 PM - 01:20 PM	58.8	43.9
08:00 AM - 08:05 AM	67.6	51.1	10:40 AM - 10:45 AM	55.5	45.5	01:20 PM - 01:25 PM	59.6	43.6
08:05 AM - 08:10 AM	61.1	46.3	10:45 AM - 10:50 AM	60.9	47.1	01:25 PM - 01:30 PM	60.9	46.0
08:10 AM - 08:15 AM	61.7	41.1	10:50 AM - 10:55 AM	59.7	45.2	01:30 PM - 01:35 PM	58.2	43.2
08:15 AM - 08:20 AM	57.9	43.9	10:55 AM - 11:00 AM	56.3	44.7	01:35 PM - 01:40 PM	60.8	45.2
08:20 AM - 08:25 AM	60.7	44.5	11:00 AM - 11:05 AM	57.1	44.9	01:40 PM - 01:45 PM	54.1	43.5
08:25 AM - 08:30 AM	62.6	44.6	11:05 AM - 11:10 AM	59.3	44.8	01:45 PM - 01:50 PM	60.2	42.9
08:30 AM - 08:35 AM	57.5	42.5	11:10 AM - 11:15 AM	60.6	43.8	01:50 PM - 01:55 PM	55.0	43.4
08:35 AM - 08:40 AM	61.4	42.6	11:15 AM - 11:20 AM	58.8	45.4	01:55 PM - 02:00 PM	58.6	44.3
08:40 AM - 08:45 AM	64.9	42.3	11:20 AM - 11:25 AM	60.1	46.6	02:00 PM - 02:05 PM	54.8	45.2
08:45 AM - 08:50 AM	57.7	42.2	11:25 AM - 11:30 AM	62.8	46.4	02:05 PM - 02:10 PM	55.7	44.6
08:50 AM - 08:55 AM	57.6	41.7	11:30 AM - 11:35 AM	58.1	46.2	02:10 PM - 02:15 PM	58.9	44.8
08:55 AM - 09:00 AM	59.2	42.8	11:35 AM - 11:40 AM	60.9	44.5	02:15 PM - 02:20 PM	62.7	45.4
09:00 AM - 09:05 AM	54.5	43.4	11:40 AM - 11:45 AM	61.0	47.2	02:20 PM - 02:25 PM	59.2	44.5
09:05 AM - 09:10 AM	52.5	43.8	11:45 AM - 11:50 AM	58.2	47.6	02:25 PM - 02:30 PM	59.0	45.0
09:10 AM - 09:15 AM	60.0	43.9	11:50 AM - 11:55 AM	61.6	49.3	02:30 PM - 02:35 PM	58.7	44.0
09:15 AM - 09:20 AM	60.0	43.4	11:55 AM - 12:00 PM	64.2	47.4	02:35 PM - 02:40 PM	58.4	44.2
09:20 AM - 09:25 AM	59.6	44.2	12:00 PM - 12:05 PM	60.0	46.5	02:40 PM - 02:45 PM	63.3	48.0
09:25 AM - 09:30 AM	61.2	43.9	12:05 PM - 12:10 PM	55.2	46.9	02:45 PM - 02:50 PM	59.1	52.5
09:30 AM - 09:35 AM	56.5	43.9	12:10 PM - 12:15 PM	56.3	44.5	02:50 PM - 02:55 PM	59.0	47.6
09:35 AM - 09:40 AM	59.5	43.4	12:15 PM - 12:20 PM	59.6	44.8	02:55 PM - 03:00 PM	64.5	47.4

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Approved by

Sarayuth Jittranont
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

Lot ID: 2448807
Date Received :May 16, 2024
Date Reported :May 23, 2024
Report Number : 3000115-1

P/O : RJN(2)-018/66
Project Name : Pluak Daeng
Project Location :

Sample Number 2448807-10
Parameter Noise Level (Leq 5 min)
Location บ้านพักอาศัย หมู่ 2 ซ.มาบยางพร 15 (N2) (GPS 47P 0733648, 1434012)
Measurement Date May 09 - May 10, 2024
Measurement by Saknarin Jaraskay
Sound Level meter Serial No. 920831

May 09, 2024 Time	Leq dB(A)	L90 dB(A)	May 09, 2024 Time	Leq dB(A)	L90 dB(A)	May 09, 2024 Time	Leq dB(A)	L90 dB(A)
03:00 PM - 03:05 PM	65.7	46.4	05:40 PM - 05:45 PM	65.2	48.8	08:20 PM - 08:25 PM	63.0	44.1
03:05 PM - 03:10 PM	65.5	53.5	05:45 PM - 05:50 PM	61.1	46.1	08:25 PM - 08:30 PM	57.9	44.5
03:10 PM - 03:15 PM	65.9	47.6	05:50 PM - 05:55 PM	60.5	46.2	08:30 PM - 08:35 PM	58.1	43.7
03:15 PM - 03:20 PM	59.5	48.6	05:55 PM - 06:00 PM	61.4	48.6	08:35 PM - 08:40 PM	59.6	45.3
03:20 PM - 03:25 PM	65.9	50.6	06:00 PM - 06:05 PM	67.4	47.4	08:40 PM - 08:45 PM	57.9	44.2
03:25 PM - 03:30 PM	70.0	67.1	06:05 PM - 06:10 PM	64.5	49.9	08:45 PM - 08:50 PM	58.8	45.4
03:30 PM - 03:35 PM	70.0	56.7	06:10 PM - 06:15 PM	58.9	43.8	08:50 PM - 08:55 PM	58.9	43.2
03:35 PM - 03:40 PM	61.6	48.7	06:15 PM - 06:20 PM	58.8	46.3	08:55 PM - 09:00 PM	57.6	42.5
03:40 PM - 03:45 PM	59.7	47.2	06:20 PM - 06:25 PM	64.5	45.6	09:00 PM - 09:05 PM	52.4	41.6
03:45 PM - 03:50 PM	61.3	46.9	06:25 PM - 06:30 PM	59.1	45.1	09:05 PM - 09:10 PM	53.8	40.1
03:50 PM - 03:55 PM	63.5	47.4	06:30 PM - 06:35 PM	57.1	44.2	09:10 PM - 09:15 PM	57.3	40.1
03:55 PM - 04:00 PM	61.4	49.7	06:35 PM - 06:40 PM	60.9	43.0	09:15 PM - 09:20 PM	57.5	40.5
04:00 PM - 04:05 PM	61.5	49.8	06:40 PM - 06:45 PM	59.8	46.1	09:20 PM - 09:25 PM	55.4	40.6
04:05 PM - 04:10 PM	64.9	52.4	06:45 PM - 06:50 PM	58.1	44.6	09:25 PM - 09:30 PM	54.5	39.4
04:10 PM - 04:15 PM	60.9	51.4	06:50 PM - 06:55 PM	58.9	46.6	09:30 PM - 09:35 PM	55.3	39.7
04:15 PM - 04:20 PM	69.3	64.4	06:55 PM - 07:00 PM	62.7	45.0	09:35 PM - 09:40 PM	54.2	39.1
04:20 PM - 04:25 PM	62.3	51.5	07:00 PM - 07:05 PM	63.4	48.4	09:40 PM - 09:45 PM	56.2	39.6
04:25 PM - 04:30 PM	60.3	50.1	07:05 PM - 07:10 PM	60.0	47.2	09:45 PM - 09:50 PM	51.7	38.2
04:30 PM - 04:35 PM	59.7	48.7	07:10 PM - 07:15 PM	63.0	50.9	09:50 PM - 09:55 PM	51.2	39.0
04:35 PM - 04:40 PM	59.5	47.6	07:15 PM - 07:20 PM	63.4	53.0	09:55 PM - 10:00 PM	57.2	39.5
04:40 PM - 04:45 PM	60.1	48.3	07:20 PM - 07:25 PM	62.0	50.8	10:00 PM - 10:05 PM	56.0	40.2
04:45 PM - 04:50 PM	62.0	47.1	07:25 PM - 07:30 PM	66.0	51.2	10:05 PM - 10:10 PM	53.8	39.4
04:50 PM - 04:55 PM	61.2	49.3	07:30 PM - 07:35 PM	63.1	50.4	10:10 PM - 10:15 PM	50.4	39.3
04:55 PM - 05:00 PM	62.5	51.3	07:35 PM - 07:40 PM	60.7	47.1	10:15 PM - 10:20 PM	50.3	38.9
05:00 PM - 05:05 PM	62.4	51.7	07:40 PM - 07:45 PM	60.8	45.0	10:20 PM - 10:25 PM	48.2	39.0
05:05 PM - 05:10 PM	65.0	50.8	07:45 PM - 07:50 PM	60.2	45.7	10:25 PM - 10:30 PM	50.4	39.4
05:10 PM - 05:15 PM	62.7	48.5	07:50 PM - 07:55 PM	60.0	48.1	10:30 PM - 10:35 PM	57.9	39.5
05:15 PM - 05:20 PM	60.3	48.3	07:55 PM - 08:00 PM	69.5	55.1	10:35 PM - 10:40 PM	53.7	39.8
05:20 PM - 05:25 PM	64.0	50.2	08:00 PM - 08:05 PM	68.0	51.6	10:40 PM - 10:45 PM	50.7	39.7
05:25 PM - 05:30 PM	63.1	48.2	08:05 PM - 08:10 PM	59.6	45.3	10:45 PM - 10:50 PM	56.4	39.5
05:30 PM - 05:35 PM	61.7	48.6	08:10 PM - 08:15 PM	61.0	43.7	10:50 PM - 10:55 PM	42.8	38.4
05:35 PM - 05:40 PM	63.1	48.7	08:15 PM - 08:20 PM	64.5	46.2	10:55 PM - 11:00 PM	53.0	38.5

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Sarayuth Jittranont
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

Lot ID: 2448807
Date Received :May 16, 2024
Date Reported :May 23, 2024
Report Number : 3000115-1

P/O : RJN(2)-018/66
Project Name : Pluak Daeng
Project Location :

Sample Number 2448807-10
Parameter Noise Level (Leq 5 min)
Location บ้านพักอาศัย หมู่ 2 ซ.มาบยางพร 15 (N2) (GPS 47P 0733648, 1434012)
Measurement Date May 09 - May 10, 2024
Measurement by Saknarin Jaraskay
Sound Level meter Serial No. 920831

May 09 - May 10, 2024 Time	Leq dB(A)	L90 dB(A)	May 10, 2024 Time	Leq dB(A)	L90 dB(A)	May 10, 2024 Time	Leq dB(A)	L90 dB(A)
11:00 PM - 11:05 PM	50.7	38.2	01:40 AM - 01:45 AM	39.4	38.5	04:20 AM - 04:25 AM	52.0	39.3
11:05 PM - 11:10 PM	48.8	38.6	01:45 AM - 01:50 AM	43.7	38.9	04:25 AM - 04:30 AM	55.9	39.8
11:10 PM - 11:15 PM	55.7	38.5	01:50 AM - 01:55 AM	51.6	39.1	04:30 AM - 04:35 AM	54.2	45.3
11:15 PM - 11:20 PM	43.8	37.9	01:55 AM - 02:00 AM	52.0	38.4	04:35 AM - 04:40 AM	52.4	45.0
11:20 PM - 11:25 PM	55.5	39.3	02:00 AM - 02:05 AM	45.5	37.7	04:40 AM - 04:45 AM	50.8	40.5
11:25 PM - 11:30 PM	50.2	39.2	02:05 AM - 02:10 AM	39.7	37.0	04:45 AM - 04:50 AM	51.2	39.3
11:30 PM - 11:35 PM	46.8	38.4	02:10 AM - 02:15 AM	42.9	36.4	04:50 AM - 04:55 AM	53.5	39.1
11:35 PM - 11:40 PM	46.9	38.5	02:15 AM - 02:20 AM	37.1	35.9	04:55 AM - 05:00 AM	52.9	40.1
11:40 PM - 11:45 PM	49.6	37.8	02:20 AM - 02:25 AM	43.6	36.8	05:00 AM - 05:05 AM	51.0	40.7
11:45 PM - 11:50 PM	48.6	37.9	02:25 AM - 02:30 AM	48.0	38.3	05:05 AM - 05:10 AM	52.7	41.5
11:50 PM - 11:55 PM	52.3	38.1	02:30 AM - 02:35 AM	49.2	39.0	05:10 AM - 05:15 AM	54.9	41.8
11:55 PM - 12:00 AM	44.7	37.1	02:35 AM - 02:40 AM	41.2	37.5	05:15 AM - 05:20 AM	53.9	42.1
12:00 AM - 12:05 AM	59.1	37.6	02:40 AM - 02:45 AM	58.4	38.6	05:20 AM - 05:25 AM	55.6	41.9
12:05 AM - 12:10 AM	59.6	37.6	02:45 AM - 02:50 AM	40.7	39.6	05:25 AM - 05:30 AM	59.3	41.8
12:10 AM - 12:15 AM	52.1	37.1	02:50 AM - 02:55 AM	45.9	40.0	05:30 AM - 05:35 AM	58.5	44.4
12:15 AM - 12:20 AM	48.9	36.8	02:55 AM - 03:00 AM	41.3	39.9	05:35 AM - 05:40 AM	58.0	43.2
12:20 AM - 12:25 AM	56.4	37.7	03:00 AM - 03:05 AM	42.0	39.6	05:40 AM - 05:45 AM	61.4	44.1
12:25 AM - 12:30 AM	38.6	37.0	03:05 AM - 03:10 AM	51.0	40.4	05:45 AM - 05:50 AM	59.8	44.6
12:30 AM - 12:35 AM	51.8	36.6	03:10 AM - 03:15 AM	48.5	39.3	05:50 AM - 05:55 AM	56.5	44.0
12:35 AM - 12:40 AM	48.7	36.2	03:15 AM - 03:20 AM	42.9	39.0	05:55 AM - 06:00 AM	57.8	43.2
12:40 AM - 12:45 AM	49.4	37.4	03:20 AM - 03:25 AM	51.2	39.1	06:00 AM - 06:05 AM	60.9	46.9
12:45 AM - 12:50 AM	45.0	36.5	03:25 AM - 03:30 AM	50.3	38.7	06:05 AM - 06:10 AM	57.3	43.5
12:50 AM - 12:55 AM	40.6	37.5	03:30 AM - 03:35 AM	46.6	38.9	06:10 AM - 06:15 AM	62.9	45.6
12:55 AM - 01:00 AM	64.3	38.0	03:35 AM - 03:40 AM	50.1	39.1	06:15 AM - 06:20 AM	60.0	44.0
01:00 AM - 01:05 AM	56.0	37.9	03:40 AM - 03:45 AM	44.6	39.0	06:20 AM - 06:25 AM	60.7	48.1
01:05 AM - 01:10 AM	42.3	37.5	03:45 AM - 03:50 AM	49.0	38.8	06:25 AM - 06:30 AM	61.0	47.9
01:10 AM - 01:15 AM	39.1	37.0	03:50 AM - 03:55 AM	45.8	39.3	06:30 AM - 06:35 AM	60.9	49.2
01:15 AM - 01:20 AM	40.3	37.6	03:55 AM - 04:00 AM	50.2	39.2	06:35 AM - 06:40 AM	62.2	49.7
01:20 AM - 01:25 AM	44.9	38.1	04:00 AM - 04:05 AM	48.6	38.1	06:40 AM - 06:45 AM	62.2	48.3
01:25 AM - 01:30 AM	47.3	37.8	04:05 AM - 04:10 AM	45.8	38.8	06:45 AM - 06:50 AM	64.6	50.8
01:30 AM - 01:35 AM	46.6	37.8	04:10 AM - 04:15 AM	49.3	39.1	06:50 AM - 06:55 AM	61.6	49.1
01:35 AM - 01:40 AM	49.9	37.7	04:15 AM - 04:20 AM	48.6	39.4	06:55 AM - 07:00 AM	64.3	52.3

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Approved by

Sarayuth Jittranont
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

Lot ID: 2448807
Date Received :May 16, 2024
Date Reported :May 23, 2024
Report Number : 3000115-1

P/O : RJN(2)-018/66
Project Name : Pluak Daeng
Project Location :

Sample Number 2448807-10
Parameter Noise Level (Leq 5 min)
Location บ้านพักอาศัย หมู่ 2 ซ.มาบยางพร 15 (N2) (GPS 47P 0733648, 1434012)
Measurement Date May 09 - May 10, 2024
Measurement by Saknarin Jaraskay
Sound Level meter Serial No. 920831

May 10, 2024 Time	Leq dB(A)	L90 dB(A)	May 10, 2024 Time	Leq dB(A)	L90 dB(A)	May 10, 2024 Time	Leq dB(A)	L90 dB(A)
07:00 AM - 07:05 AM	62.2	49.7	09:40 AM - 09:45 AM	57.2	44.1	12:20 PM - 12:25 PM	56.3	43.8
07:05 AM - 07:10 AM	62.7	53.2	09:45 AM - 09:50 AM	58.3	42.8	12:25 PM - 12:30 PM	61.2	46.3
07:10 AM - 07:15 AM	63.9	53.6	09:50 AM - 09:55 AM	63.3	43.7	12:30 PM - 12:35 PM	59.1	45.7
07:15 AM - 07:20 AM	64.8	51.3	09:55 AM - 10:00 AM	58.9	43.3	12:35 PM - 12:40 PM	64.1	46.9
07:20 AM - 07:25 AM	66.7	57.2	10:00 AM - 10:05 AM	59.2	44.1	12:40 PM - 12:45 PM	66.3	45.7
07:25 AM - 07:30 AM	66.1	54.6	10:05 AM - 10:10 AM	58.4	44.2	12:45 PM - 12:50 PM	59.6	46.3
07:30 AM - 07:35 AM	63.8	52.6	10:10 AM - 10:15 AM	59.9	45.0	12:50 PM - 12:55 PM	62.1	46.4
07:35 AM - 07:40 AM	65.6	54.8	10:15 AM - 10:20 AM	57.0	43.7	12:55 PM - 01:00 PM	58.8	45.7
07:40 AM - 07:45 AM	66.1	50.9	10:20 AM - 10:25 AM	60.7	43.2	01:00 PM - 01:05 PM	55.3	46.9
07:45 AM - 07:50 AM	62.9	46.0	10:25 AM - 10:30 AM	53.3	43.8	01:05 PM - 01:10 PM	57.9	46.5
07:50 AM - 07:55 AM	60.4	44.4	10:30 AM - 10:35 AM	59.3	45.0	01:10 PM - 01:15 PM	55.5	46.6
07:55 AM - 08:00 AM	64.6	50.8	10:35 AM - 10:40 AM	54.8	45.1	01:15 PM - 01:20 PM	54.4	46.1
08:00 AM - 08:05 AM	69.2	51.9	10:40 AM - 10:45 AM	55.2	44.6	01:20 PM - 01:25 PM	57.8	44.2
08:05 AM - 08:10 AM	60.5	44.3	10:45 AM - 10:50 AM	60.8	44.7	01:25 PM - 01:30 PM	55.1	44.8
08:10 AM - 08:15 AM	60.2	47.5	10:50 AM - 10:55 AM	58.0	45.4	01:30 PM - 01:35 PM	53.4	44.2
08:15 AM - 08:20 AM	59.7	42.4	10:55 AM - 11:00 AM	59.8	45.6	01:35 PM - 01:40 PM	56.8	45.0
08:20 AM - 08:25 AM	58.6	43.9	11:00 AM - 11:05 AM	61.8	45.1	01:40 PM - 01:45 PM	57.8	45.6
08:25 AM - 08:30 AM	59.3	42.8	11:05 AM - 11:10 AM	56.2	45.0	01:45 PM - 01:50 PM	53.0	44.8
08:30 AM - 08:35 AM	61.5	43.9	11:10 AM - 11:15 AM	58.5	46.7	01:50 PM - 01:55 PM	57.9	45.7
08:35 AM - 08:40 AM	59.0	42.6	11:15 AM - 11:20 AM	59.5	46.4	01:55 PM - 02:00 PM	56.5	47.3
08:40 AM - 08:45 AM	57.6	41.4	11:20 AM - 11:25 AM	59.4	45.9	02:00 PM - 02:05 PM	56.4	47.7
08:45 AM - 08:50 AM	58.8	42.2	11:25 AM - 11:30 AM	61.0	45.3	02:05 PM - 02:10 PM	56.6	47.0
08:50 AM - 08:55 AM	58.2	41.3	11:30 AM - 11:35 AM	58.0	45.2	02:10 PM - 02:15 PM	56.3	46.4
08:55 AM - 09:00 AM	57.4	44.8	11:35 AM - 11:40 AM	56.7	44.8	02:15 PM - 02:20 PM	59.1	46.0
09:00 AM - 09:05 AM	53.6	45.0	11:40 AM - 11:45 AM	56.4	46.9	02:20 PM - 02:25 PM	58.6	46.9
09:05 AM - 09:10 AM	56.5	43.4	11:45 AM - 11:50 AM	61.8	47.6	02:25 PM - 02:30 PM	57.5	46.6
09:10 AM - 09:15 AM	64.3	46.5	11:50 AM - 11:55 AM	62.8	49.3	02:30 PM - 02:35 PM	55.6	46.4
09:15 AM - 09:20 AM	57.1	43.5	11:55 AM - 12:00 PM	61.5	47.3	02:35 PM - 02:40 PM	55.3	46.9
09:20 AM - 09:25 AM	60.3	43.9	12:00 PM - 12:05 PM	61.3	46.1	02:40 PM - 02:45 PM	62.1	46.0
09:25 AM - 09:30 AM	67.7	42.4	12:05 PM - 12:10 PM	61.6	47.1	02:45 PM - 02:50 PM	57.7	45.9
09:30 AM - 09:35 AM	56.8	45.7	12:10 PM - 12:15 PM	60.6	47.0	02:50 PM - 02:55 PM	54.0	45.8
09:35 AM - 09:40 AM	56.4	44.1	12:15 PM - 12:20 PM	59.0	45.3	02:55 PM - 03:00 PM	59.0	46.0

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Approved by

Sarayuth Jittranont
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

Lot ID: 2448807
Date Received :May 16, 2024
Date Reported :May 23, 2024
Report Number : 3000116-1

P/O : RJN(2)-018/66
Project Name : Pluak Daeng
Project Location :

Sample Number 2448807-11
Parameter Noise Level (Leq 5 min)
Location บ้านพักอาศัย หมู่ 2 ซ.มาบยางพร 15 (N2) (GPS 47P 0733648, 1434012)
Measurement Date May 10 - May 11, 2024
Measurement by Saknarin Jaraskay
Sound Level meter Serial No. 920831

May 10, 2024 Time	Leq dB(A)	L90 dB(A)	May 10, 2024 Time	Leq dB(A)	L90 dB(A)	May 10, 2024 Time	Leq dB(A)	L90 dB(A)
03:00 PM - 03:05 PM	57.8	47.1	05:40 PM - 05:45 PM	61.1	49.8	08:20 PM - 08:25 PM	58.8	45.9
03:05 PM - 03:10 PM	56.4	45.7	05:45 PM - 05:50 PM	66.7	48.8	08:25 PM - 08:30 PM	62.8	45.7
03:10 PM - 03:15 PM	59.2	46.5	05:50 PM - 05:55 PM	62.2	48.6	08:30 PM - 08:35 PM	59.0	45.5
03:15 PM - 03:20 PM	54.4	46.5	05:55 PM - 06:00 PM	65.7	48.5	08:35 PM - 08:40 PM	61.4	42.5
03:20 PM - 03:25 PM	53.9	45.4	06:00 PM - 06:05 PM	61.7	50.6	08:40 PM - 08:45 PM	58.6	42.3
03:25 PM - 03:30 PM	58.2	44.7	06:05 PM - 06:10 PM	62.1	45.2	08:45 PM - 08:50 PM	53.6	42.2
03:30 PM - 03:35 PM	56.1	46.1	06:10 PM - 06:15 PM	61.5	45.8	08:50 PM - 08:55 PM	55.6	42.8
03:35 PM - 03:40 PM	61.5	46.5	06:15 PM - 06:20 PM	57.9	46.2	08:55 PM - 09:00 PM	57.6	43.4
03:40 PM - 03:45 PM	68.3	45.2	06:20 PM - 06:25 PM	58.8	45.2	09:00 PM - 09:05 PM	58.6	42.9
03:45 PM - 03:50 PM	59.1	44.9	06:25 PM - 06:30 PM	60.2	46.4	09:05 PM - 09:10 PM	56.7	41.3
03:50 PM - 03:55 PM	54.5	44.9	06:30 PM - 06:35 PM	60.7	45.2	09:10 PM - 09:15 PM	57.2	42.5
03:55 PM - 04:00 PM	58.9	46.2	06:35 PM - 06:40 PM	64.6	48.2	09:15 PM - 09:20 PM	53.7	42.0
04:00 PM - 04:05 PM	56.9	45.4	06:40 PM - 06:45 PM	57.5	45.2	09:20 PM - 09:25 PM	57.5	41.3
04:05 PM - 04:10 PM	60.2	46.4	06:45 PM - 06:50 PM	58.5	46.0	09:25 PM - 09:30 PM	55.0	41.8
04:10 PM - 04:15 PM	58.1	46.8	06:50 PM - 06:55 PM	63.7	49.8	09:30 PM - 09:35 PM	58.8	41.3
04:15 PM - 04:20 PM	56.5	46.9	06:55 PM - 07:00 PM	61.4	47.3	09:35 PM - 09:40 PM	53.1	40.4
04:20 PM - 04:25 PM	57.6	45.5	07:00 PM - 07:05 PM	62.0	50.6	09:40 PM - 09:45 PM	54.9	41.2
04:25 PM - 04:30 PM	58.2	47.0	07:05 PM - 07:10 PM	63.6	48.0	09:45 PM - 09:50 PM	52.5	40.4
04:30 PM - 04:35 PM	60.2	47.2	07:10 PM - 07:15 PM	60.6	48.0	09:50 PM - 09:55 PM	63.4	41.4
04:35 PM - 04:40 PM	65.2	47.1	07:15 PM - 07:20 PM	59.5	48.4	09:55 PM - 10:00 PM	56.4	40.6
04:40 PM - 04:45 PM	59.8	47.6	07:20 PM - 07:25 PM	61.7	48.6	10:00 PM - 10:05 PM	54.1	41.2
04:45 PM - 04:50 PM	61.7	48.5	07:25 PM - 07:30 PM	63.1	49.6	10:05 PM - 10:10 PM	56.3	40.5
04:50 PM - 04:55 PM	62.4	49.4	07:30 PM - 07:35 PM	64.9	49.7	10:10 PM - 10:15 PM	53.8	40.1
04:55 PM - 05:00 PM	65.8	52.6	07:35 PM - 07:40 PM	60.0	44.8	10:15 PM - 10:20 PM	60.6	42.1
05:00 PM - 05:05 PM	63.9	53.0	07:40 PM - 07:45 PM	60.0	47.0	10:20 PM - 10:25 PM	51.6	40.7
05:05 PM - 05:10 PM	61.5	50.4	07:45 PM - 07:50 PM	59.4	44.8	10:25 PM - 10:30 PM	55.1	39.9
05:10 PM - 05:15 PM	62.5	47.7	07:50 PM - 07:55 PM	61.6	48.5	10:30 PM - 10:35 PM	52.8	39.9
05:15 PM - 05:20 PM	62.8	49.7	07:55 PM - 08:00 PM	63.5	52.4	10:35 PM - 10:40 PM	58.4	41.0
05:20 PM - 05:25 PM	61.5	51.3	08:00 PM - 08:05 PM	68.6	51.0	10:40 PM - 10:45 PM	59.2	41.2
05:25 PM - 05:30 PM	62.8	49.6	08:05 PM - 08:10 PM	59.3	46.3	10:45 PM - 10:50 PM	58.6	40.8
05:30 PM - 05:35 PM	62.6	49.9	08:10 PM - 08:15 PM	59.3	45.3	10:50 PM - 10:55 PM	52.2	40.4
05:35 PM - 05:40 PM	60.4	47.6	08:15 PM - 08:20 PM	58.3	45.0	10:55 PM - 11:00 PM	64.9	41.5

Approved by

Sarayuth Jittranont
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

Lot ID: 2448807
Date Received :May 16, 2024
Date Reported :May 23, 2024
Report Number : 3000116-1

P/O : RJN(2)-018/66
Project Name : Pluak Daeng
Project Location :

Sample Number 2448807-11
Parameter Noise Level (Leq 5 min)
Location บ้านพักอาศัย หมู่ 2 ซ.มาบยางพร 15 (N2) (GPS 47P 0733648, 1434012)
Measurement Date May 10 - May 11, 2024
Measurement by Saknarin Jaraskay
Sound Level meter Serial No. 920831

May 10 - May 11, 2024 Time	Leq dB(A)	L90 dB(A)	May 11, 2024 Time	Leq dB(A)	L90 dB(A)	May 11, 2024 Time	Leq dB(A)	L90 dB(A)
11:00 PM - 11:05 PM	54.7	41.5	01:40 AM - 01:45 AM	55.0	40.2	04:20 AM - 04:25 AM	52.7	36.3
11:05 PM - 11:10 PM	59.1	41.5	01:45 AM - 01:50 AM	43.3	39.3	04:25 AM - 04:30 AM	50.5	37.3
11:10 PM - 11:15 PM	54.1	41.0	01:50 AM - 01:55 AM	39.5	38.5	04:30 AM - 04:35 AM	48.7	38.0
11:15 PM - 11:20 PM	52.6	41.5	01:55 AM - 02:00 AM	51.4	38.0	04:35 AM - 04:40 AM	54.4	39.6
11:20 PM - 11:25 PM	49.8	40.9	02:00 AM - 02:05 AM	48.1	36.8	04:40 AM - 04:45 AM	48.1	38.8
11:25 PM - 11:30 PM	50.2	40.8	02:05 AM - 02:10 AM	37.4	36.6	04:45 AM - 04:50 AM	49.8	39.9
11:30 PM - 11:35 PM	58.8	41.0	02:10 AM - 02:15 AM	45.0	37.1	04:50 AM - 04:55 AM	54.4	41.1
11:35 PM - 11:40 PM	50.7	40.5	02:15 AM - 02:20 AM	43.0	36.8	04:55 AM - 05:00 AM	56.1	42.1
11:40 PM - 11:45 PM	49.9	40.0	02:20 AM - 02:25 AM	38.4	36.7	05:00 AM - 05:05 AM	54.5	40.4
11:45 PM - 11:50 PM	54.3	40.6	02:25 AM - 02:30 AM	46.6	37.7	05:05 AM - 05:10 AM	55.6	39.9
11:50 PM - 11:55 PM	52.9	39.8	02:30 AM - 02:35 AM	41.6	37.1	05:10 AM - 05:15 AM	52.6	39.5
11:55 PM - 12:00 AM	55.0	39.8	02:35 AM - 02:40 AM	38.9	37.3	05:15 AM - 05:20 AM	53.3	40.3
12:00 AM - 12:05 AM	49.1	40.4	02:40 AM - 02:45 AM	37.9	37.0	05:20 AM - 05:25 AM	56.1	41.0
12:05 AM - 12:10 AM	57.5	40.5	02:45 AM - 02:50 AM	46.6	37.4	05:25 AM - 05:30 AM	52.8	40.6
12:10 AM - 12:15 AM	54.4	40.9	02:50 AM - 02:55 AM	45.2	37.3	05:30 AM - 05:35 AM	56.0	41.9
12:15 AM - 12:20 AM	53.5	41.3	02:55 AM - 03:00 AM	39.9	38.1	05:35 AM - 05:40 AM	55.1	40.4
12:20 AM - 12:25 AM	57.0	40.6	03:00 AM - 03:05 AM	52.2	38.6	05:40 AM - 05:45 AM	58.6	42.4
12:25 AM - 12:30 AM	58.9	42.0	03:05 AM - 03:10 AM	58.6	39.5	05:45 AM - 05:50 AM	55.6	42.2
12:30 AM - 12:35 AM	53.7	41.1	03:10 AM - 03:15 AM	55.6	39.4	05:50 AM - 05:55 AM	56.4	41.4
12:35 AM - 12:40 AM	49.8	41.3	03:15 AM - 03:20 AM	55.9	38.5	05:55 AM - 06:00 AM	61.8	43.7
12:40 AM - 12:45 AM	50.9	41.6	03:20 AM - 03:25 AM	49.7	37.7	06:00 AM - 06:05 AM	56.4	42.7
12:45 AM - 12:50 AM	50.0	41.2	03:25 AM - 03:30 AM	50.9	36.9	06:05 AM - 06:10 AM	55.2	41.5
12:50 AM - 12:55 AM	46.3	41.2	03:30 AM - 03:35 AM	52.0	35.8	06:10 AM - 06:15 AM	57.1	42.1
12:55 AM - 01:00 AM	49.7	40.5	03:35 AM - 03:40 AM	44.7	36.1	06:15 AM - 06:20 AM	58.4	44.4
01:00 AM - 01:05 AM	57.6	39.9	03:40 AM - 03:45 AM	37.7	36.3	06:20 AM - 06:25 AM	59.7	44.5
01:05 AM - 01:10 AM	50.6	39.4	03:45 AM - 03:50 AM	47.2	36.6	06:25 AM - 06:30 AM	59.3	43.6
01:10 AM - 01:15 AM	49.1	41.1	03:50 AM - 03:55 AM	49.7	36.2	06:30 AM - 06:35 AM	60.2	45.2
01:15 AM - 01:20 AM	45.1	40.2	03:55 AM - 04:00 AM	52.0	35.7	06:35 AM - 06:40 AM	60.4	46.0
01:20 AM - 01:25 AM	52.3	40.4	04:00 AM - 04:05 AM	46.3	35.5	06:40 AM - 06:45 AM	61.5	46.3
01:25 AM - 01:30 AM	41.9	40.1	04:05 AM - 04:10 AM	49.9	36.0	06:45 AM - 06:50 AM	60.0	46.0
01:30 AM - 01:35 AM	49.5	41.5	04:10 AM - 04:15 AM	49.0	36.1	06:50 AM - 06:55 AM	61.5	49.0
01:35 AM - 01:40 AM	47.1	41.6	04:15 AM - 04:20 AM	52.1	36.2	06:55 AM - 07:00 AM	64.4	47.4

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Approved by

Sarayuth Jittranont
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

Lot ID: 2448807
Date Received :May 16, 2024
Date Reported :May 23, 2024
Report Number : 3000116-1

P/O : RJN(2)-018/66
Project Name : Pluak Daeng
Project Location :

Sample Number 2448807-11
Parameter Noise Level (Leq 5 min)
Location บ้านพักอาศัย หมู่ 2 ซ.มาบยางพร 15 (N2) (GPS 47P 0733648, 1434012)
Measurement Date May 10 - May 11, 2024
Measurement by Saknarin Jaraskay
Sound Level meter Serial No. 920831

May 11, 2024 Time	Leq dB(A)	L90 dB(A)	May 11, 2024 Time	Leq dB(A)	L90 dB(A)	May 11, 2024 Time	Leq dB(A)	L90 dB(A)
07:00 AM - 07:05 AM	62.9	51.1	09:40 AM - 09:45 AM	56.9	43.1	12:20 PM - 12:25 PM	59.8	43.8
07:05 AM - 07:10 AM	62.4	51.9	09:45 AM - 09:50 AM	55.1	43.6	12:25 PM - 12:30 PM	55.6	45.6
07:10 AM - 07:15 AM	63.3	51.4	09:50 AM - 09:55 AM	60.3	42.8	12:30 PM - 12:35 PM	61.1	46.8
07:15 AM - 07:20 AM	66.4	54.2	09:55 AM - 10:00 AM	57.6	43.5	12:35 PM - 12:40 PM	61.6	46.4
07:20 AM - 07:25 AM	63.6	54.1	10:00 AM - 10:05 AM	59.0	41.4	12:40 PM - 12:45 PM	62.6	46.9
07:25 AM - 07:30 AM	64.0	53.1	10:05 AM - 10:10 AM	57.5	40.7	12:45 PM - 12:50 PM	61.8	49.8
07:30 AM - 07:35 AM	64.8	52.5	10:10 AM - 10:15 AM	60.2	41.9	12:50 PM - 12:55 PM	56.3	48.6
07:35 AM - 07:40 AM	67.0	53.3	10:15 AM - 10:20 AM	52.6	40.2	12:55 PM - 01:00 PM	56.6	47.1
07:40 AM - 07:45 AM	64.6	53.8	10:20 AM - 10:25 AM	55.2	42.7	01:00 PM - 01:05 PM	57.2	47.3
07:45 AM - 07:50 AM	60.9	44.1	10:25 AM - 10:30 AM	59.5	40.4	01:05 PM - 01:10 PM	65.1	47.9
07:50 AM - 07:55 AM	61.2	41.9	10:30 AM - 10:35 AM	55.9	40.0	01:10 PM - 01:15 PM	56.5	46.9
07:55 AM - 08:00 AM	64.7	48.9	10:35 AM - 10:40 AM	54.6	39.5	01:15 PM - 01:20 PM	58.6	47.5
08:00 AM - 08:05 AM	65.5	50.5	10:40 AM - 10:45 AM	56.4	42.0	01:20 PM - 01:25 PM	55.6	45.8
08:05 AM - 08:10 AM	62.7	44.6	10:45 AM - 10:50 AM	59.4	42.3	01:25 PM - 01:30 PM	57.0	46.2
08:10 AM - 08:15 AM	59.4	42.7	10:50 AM - 10:55 AM	55.8	42.9	01:30 PM - 01:35 PM	58.2	45.7
08:15 AM - 08:20 AM	58.2	43.6	10:55 AM - 11:00 AM	58.3	41.0	01:35 PM - 01:40 PM	56.2	45.2
08:20 AM - 08:25 AM	61.8	45.2	11:00 AM - 11:05 AM	56.7	42.1	01:40 PM - 01:45 PM	63.5	43.0
08:25 AM - 08:30 AM	59.0	44.9	11:05 AM - 11:10 AM	55.6	41.5	01:45 PM - 01:50 PM	58.4	43.5
08:30 AM - 08:35 AM	62.8	45.2	11:10 AM - 11:15 AM	55.2	43.4	01:50 PM - 01:55 PM	56.4	42.7
08:35 AM - 08:40 AM	60.3	46.8	11:15 AM - 11:20 AM	57.5	43.4	01:55 PM - 02:00 PM	52.6	42.7
08:40 AM - 08:45 AM	56.9	41.2	11:20 AM - 11:25 AM	57.0	46.6	02:00 PM - 02:05 PM	53.7	42.2
08:45 AM - 08:50 AM	58.6	42.2	11:25 AM - 11:30 AM	53.5	45.8	02:05 PM - 02:10 PM	57.7	44.2
08:50 AM - 08:55 AM	60.2	42.7	11:30 AM - 11:35 AM	58.5	42.6	02:10 PM - 02:15 PM	57.3	40.5
08:55 AM - 09:00 AM	56.0	41.5	11:35 AM - 11:40 AM	56.8	44.1	02:15 PM - 02:20 PM	57.6	43.2
09:00 AM - 09:05 AM	56.5	41.5	11:40 AM - 11:45 AM	61.6	43.6	02:20 PM - 02:25 PM	56.5	43.7
09:05 AM - 09:10 AM	58.1	41.6	11:45 AM - 11:50 AM	57.0	39.0	02:25 PM - 02:30 PM	56.8	41.8
09:10 AM - 09:15 AM	54.6	39.3	11:50 AM - 11:55 AM	66.0	41.2	02:30 PM - 02:35 PM	55.0	41.8
09:15 AM - 09:20 AM	60.2	42.0	11:55 AM - 12:00 PM	62.6	43.8	02:35 PM - 02:40 PM	57.5	41.3
09:20 AM - 09:25 AM	61.7	42.9	12:00 PM - 12:05 PM	60.6	42.3	02:40 PM - 02:45 PM	57.6	41.7
09:25 AM - 09:30 AM	57.3	42.0	12:05 PM - 12:10 PM	56.7	42.2	02:45 PM - 02:50 PM	56.1	41.9
09:30 AM - 09:35 AM	59.8	45.0	12:10 PM - 12:15 PM	56.2	41.6	02:50 PM - 02:55 PM	59.9	40.5
09:35 AM - 09:40 AM	60.4	42.2	12:15 PM - 12:20 PM	56.1	40.7	02:55 PM - 03:00 PM	57.4	43.9

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Approved by

Sarayuth Jittranont
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

Lot ID: 2448807
Date Received :May 16, 2024
Date Reported :May 23, 2024
Report Number : 3000117-1

P/O : RJN(2)-018/66
Project Name : Pluak Daeng
Project Location :

Sample Number 2448807-12
Parameter Noise Level (Leq 5 min)
Location บ้านพักอาศัย หมู่ 2 ซ.มาบยางพร 15 (N2) (GPS 47P 0733648, 1434012)
Measurement Date May 11 - May 12, 2024
Measurement by Saknarin Jaraskay
Sound Level meter Serial No. 920831

May 11, 2024 Time	Leq dB(A)	L90 dB(A)	May 11, 2024 Time	Leq dB(A)	L90 dB(A)	May 11, 2024 Time	Leq dB(A)	L90 dB(A)
03:00 PM - 03:05 PM	57.9	43.7	05:40 PM - 05:45 PM	58.2	41.8	08:20 PM - 08:25 PM	58.0	45.9
03:05 PM - 03:10 PM	64.5	43.6	05:45 PM - 05:50 PM	64.7	49.0	08:25 PM - 08:30 PM	61.6	45.3
03:10 PM - 03:15 PM	58.2	43.1	05:50 PM - 05:55 PM	62.1	48.2	08:30 PM - 08:35 PM	59.4	42.7
03:15 PM - 03:20 PM	58.1	42.5	05:55 PM - 06:00 PM	59.6	46.0	08:35 PM - 08:40 PM	56.9	42.6
03:20 PM - 03:25 PM	55.4	41.4	06:00 PM - 06:05 PM	58.9	48.6	08:40 PM - 08:45 PM	59.6	44.8
03:25 PM - 03:30 PM	54.7	40.3	06:05 PM - 06:10 PM	59.7	48.0	08:45 PM - 08:50 PM	54.7	41.8
03:30 PM - 03:35 PM	56.3	39.9	06:10 PM - 06:15 PM	58.2	46.2	08:50 PM - 08:55 PM	55.1	43.1
03:35 PM - 03:40 PM	57.6	42.0	06:15 PM - 06:20 PM	58.7	48.8	08:55 PM - 09:00 PM	55.1	42.0
03:40 PM - 03:45 PM	57.4	39.5	06:20 PM - 06:25 PM	62.1	49.7	09:00 PM - 09:05 PM	60.4	41.0
03:45 PM - 03:50 PM	60.2	41.6	06:25 PM - 06:30 PM	61.1	47.9	09:05 PM - 09:10 PM	54.6	42.0
03:50 PM - 03:55 PM	58.5	39.4	06:30 PM - 06:35 PM	61.6	46.0	09:10 PM - 09:15 PM	56.1	42.6
03:55 PM - 04:00 PM	56.0	41.1	06:35 PM - 06:40 PM	61.5	45.8	09:15 PM - 09:20 PM	57.4	40.9
04:00 PM - 04:05 PM	65.1	43.8	06:40 PM - 06:45 PM	63.4	45.6	09:20 PM - 09:25 PM	51.3	40.7
04:05 PM - 04:10 PM	62.0	43.9	06:45 PM - 06:50 PM	62.4	42.9	09:25 PM - 09:30 PM	49.1	40.5
04:10 PM - 04:15 PM	61.6	43.4	06:50 PM - 06:55 PM	59.6	45.7	09:30 PM - 09:35 PM	52.2	41.3
04:15 PM - 04:20 PM	59.5	45.8	06:55 PM - 07:00 PM	59.9	47.6	09:35 PM - 09:40 PM	52.5	41.3
04:20 PM - 04:25 PM	61.5	44.3	07:00 PM - 07:05 PM	59.4	44.5	09:40 PM - 09:45 PM	52.6	40.2
04:25 PM - 04:30 PM	59.5	45.4	07:05 PM - 07:10 PM	60.7	45.5	09:45 PM - 09:50 PM	52.3	40.0
04:30 PM - 04:35 PM	60.8	44.6	07:10 PM - 07:15 PM	58.3	44.5	09:50 PM - 09:55 PM	56.9	40.4
04:35 PM - 04:40 PM	59.3	44.7	07:15 PM - 07:20 PM	59.0	44.8	09:55 PM - 10:00 PM	62.9	40.7
04:40 PM - 04:45 PM	59.3	45.4	07:20 PM - 07:25 PM	58.8	43.1	10:00 PM - 10:05 PM	57.2	41.2
04:45 PM - 04:50 PM	60.5	43.5	07:25 PM - 07:30 PM	62.2	46.7	10:05 PM - 10:10 PM	53.2	41.9
04:50 PM - 04:55 PM	59.1	42.4	07:30 PM - 07:35 PM	61.5	46.7	10:10 PM - 10:15 PM	49.4	42.0
04:55 PM - 05:00 PM	67.6	51.4	07:35 PM - 07:40 PM	62.7	44.9	10:15 PM - 10:20 PM	48.4	41.8
05:00 PM - 05:05 PM	67.4	53.8	07:40 PM - 07:45 PM	63.8	47.1	10:20 PM - 10:25 PM	51.7	42.1
05:05 PM - 05:10 PM	64.7	49.9	07:45 PM - 07:50 PM	59.9	45.5	10:25 PM - 10:30 PM	66.3	44.4
05:10 PM - 05:15 PM	62.5	47.9	07:50 PM - 07:55 PM	55.1	42.7	10:30 PM - 10:35 PM	51.4	41.4
05:15 PM - 05:20 PM	62.2	50.6	07:55 PM - 08:00 PM	62.6	44.6	10:35 PM - 10:40 PM	45.7	41.3
05:20 PM - 05:25 PM	60.0	45.7	08:00 PM - 08:05 PM	59.4	44.5	10:40 PM - 10:45 PM	44.5	41.2
05:25 PM - 05:30 PM	61.2	48.1	08:05 PM - 08:10 PM	58.3	44.5	10:45 PM - 10:50 PM	52.5	41.5
05:30 PM - 05:35 PM	62.0	45.6	08:10 PM - 08:15 PM	57.9	44.4	10:50 PM - 10:55 PM	52.8	41.7
05:35 PM - 05:40 PM	60.1	43.8	08:15 PM - 08:20 PM	58.3	44.3	10:55 PM - 11:00 PM	53.4	41.5

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Approved by

Sarayuth Jittranont
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

Lot ID: 2448807
Date Received :May 16, 2024
Date Reported :May 23, 2024
Report Number : 3000117-1

P/O : RJN(2)-018/66
Project Name : Pluak Daeng
Project Location :

Sample Number 2448807-12
Parameter Noise Level (Leq 5 min)
Location บ้านพักอาศัย หมู่ 2 ซ.มาบยางพร 15 (N2) (GPS 47P 0733648, 1434012)
Measurement Date May 11 - May 12, 2024
Measurement by Saknarin Jaraskay
Sound Level meter Serial No. 920831

May 11 - May 12, 2024 Time	Leq dB(A)	L90 dB(A)	May 12, 2024 Time	Leq dB(A)	L90 dB(A)	May 12, 2024 Time	Leq dB(A)	L90 dB(A)
11:00 PM - 11:05 PM	54.9	41.4	01:40 AM - 01:45 AM	39.3	38.3	04:20 AM - 04:25 AM	52.7	38.8
11:05 PM - 11:10 PM	45.7	40.9	01:45 AM - 01:50 AM	38.9	37.9	04:25 AM - 04:30 AM	47.6	38.5
11:10 PM - 11:15 PM	48.7	41.5	01:50 AM - 01:55 AM	41.6	38.2	04:30 AM - 04:35 AM	43.5	38.0
11:15 PM - 11:20 PM	48.5	40.6	01:55 AM - 02:00 AM	43.2	38.2	04:35 AM - 04:40 AM	51.5	38.1
11:20 PM - 11:25 PM	51.2	40.6	02:00 AM - 02:05 AM	50.7	38.5	04:40 AM - 04:45 AM	56.6	38.2
11:25 PM - 11:30 PM	47.5	40.9	02:05 AM - 02:10 AM	44.9	38.1	04:45 AM - 04:50 AM	53.8	38.0
11:30 PM - 11:35 PM	57.9	40.4	02:10 AM - 02:15 AM	49.3	38.0	04:50 AM - 04:55 AM	53.0	37.4
11:35 PM - 11:40 PM	58.9	39.9	02:15 AM - 02:20 AM	48.5	38.3	04:55 AM - 05:00 AM	60.5	39.4
11:40 PM - 11:45 PM	54.2	39.9	02:20 AM - 02:25 AM	50.2	38.9	05:00 AM - 05:05 AM	63.0	46.2
11:45 PM - 11:50 PM	51.0	40.0	02:25 AM - 02:30 AM	43.7	38.6	05:05 AM - 05:10 AM	56.2	38.8
11:50 PM - 11:55 PM	58.5	39.8	02:30 AM - 02:35 AM	42.7	38.3	05:10 AM - 05:15 AM	52.7	39.5
11:55 PM - 12:00 AM	50.6	39.5	02:35 AM - 02:40 AM	41.7	38.3	05:15 AM - 05:20 AM	54.6	39.9
12:00 AM - 12:05 AM	57.6	39.5	02:40 AM - 02:45 AM	46.4	37.6	05:20 AM - 05:25 AM	54.4	39.7
12:05 AM - 12:10 AM	59.1	40.0	02:45 AM - 02:50 AM	49.5	38.3	05:25 AM - 05:30 AM	56.1	41.3
12:10 AM - 12:15 AM	57.1	40.5	02:50 AM - 02:55 AM	39.1	38.3	05:30 AM - 05:35 AM	53.8	41.4
12:15 AM - 12:20 AM	53.5	40.0	02:55 AM - 03:00 AM	50.0	37.9	05:35 AM - 05:40 AM	54.0	41.5
12:20 AM - 12:25 AM	52.3	40.1	03:00 AM - 03:05 AM	45.6	37.8	05:40 AM - 05:45 AM	53.4	40.9
12:25 AM - 12:30 AM	53.0	39.1	03:05 AM - 03:10 AM	45.8	37.9	05:45 AM - 05:50 AM	53.3	41.4
12:30 AM - 12:35 AM	48.0	39.6	03:10 AM - 03:15 AM	44.4	37.8	05:50 AM - 05:55 AM	56.0	41.7
12:35 AM - 12:40 AM	48.2	40.0	03:15 AM - 03:20 AM	44.8	38.5	05:55 AM - 06:00 AM	56.9	40.6
12:40 AM - 12:45 AM	45.4	40.2	03:20 AM - 03:25 AM	44.1	37.6	06:00 AM - 06:05 AM	57.4	40.6
12:45 AM - 12:50 AM	45.7	39.8	03:25 AM - 03:30 AM	40.8	38.0	06:05 AM - 06:10 AM	56.6	42.2
12:50 AM - 12:55 AM	44.1	39.2	03:30 AM - 03:35 AM	50.3	38.9	06:10 AM - 06:15 AM	58.6	39.9
12:55 AM - 01:00 AM	50.9	39.1	03:35 AM - 03:40 AM	53.3	39.1	06:15 AM - 06:20 AM	55.8	41.2
01:00 AM - 01:05 AM	60.1	39.0	03:40 AM - 03:45 AM	49.8	39.5	06:20 AM - 06:25 AM	55.5	42.2
01:05 AM - 01:10 AM	41.6	38.1	03:45 AM - 03:50 AM	44.6	38.7	06:25 AM - 06:30 AM	61.5	43.3
01:10 AM - 01:15 AM	52.6	38.2	03:50 AM - 03:55 AM	49.3	38.6	06:30 AM - 06:35 AM	62.1	43.2
01:15 AM - 01:20 AM	41.1	38.7	03:55 AM - 04:00 AM	45.2	38.4	06:35 AM - 06:40 AM	61.5	44.6
01:20 AM - 01:25 AM	39.8	38.9	04:00 AM - 04:05 AM	50.7	38.2	06:40 AM - 06:45 AM	57.7	43.7
01:25 AM - 01:30 AM	51.4	39.7	04:05 AM - 04:10 AM	50.0	37.9	06:45 AM - 06:50 AM	61.9	48.6
01:30 AM - 01:35 AM	62.9	38.8	04:10 AM - 04:15 AM	49.8	38.2	06:50 AM - 06:55 AM	59.2	43.0
01:35 AM - 01:40 AM	46.8	38.5	04:15 AM - 04:20 AM	52.8	38.3	06:55 AM - 07:00 AM	58.6	44.1

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Approved by

Sarayuth Jittranont
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

Lot ID: 2448807
Date Received :May 16, 2024
Date Reported :May 23, 2024
Report Number : 3000117-1

P/O : RJN(2)-018/66
Project Name : Pluak Daeng
Project Location :

Sample Number 2448807-12
Parameter Noise Level (Leq 5 min)
Location บ้านพักอาศัย หมู่ 2 ซ.มาบยางพร 15 (N2) (GPS 47P 0733648, 1434012)
Measurement Date May 11 - May 12, 2024
Measurement by Saknarin Jaraskay
Sound Level meter Serial No. 920831

May 12, 2024 Time	Leq dB(A)	L90 dB(A)	May 12, 2024 Time	Leq dB(A)	L90 dB(A)	May 12, 2024 Time	Leq dB(A)	L90 dB(A)
07:00 AM - 07:05 AM	64.5	44.5	09:40 AM - 09:45 AM	52.0	39.6	12:20 PM - 12:25 PM	58.4	39.8
07:05 AM - 07:10 AM	58.0	42.2	09:45 AM - 09:50 AM	57.5	39.0	12:25 PM - 12:30 PM	59.7	40.0
07:10 AM - 07:15 AM	59.5	48.0	09:50 AM - 09:55 AM	53.6	40.4	12:30 PM - 12:35 PM	62.8	39.4
07:15 AM - 07:20 AM	62.3	48.4	09:55 AM - 10:00 AM	53.7	39.3	12:35 PM - 12:40 PM	57.7	40.7
07:20 AM - 07:25 AM	63.0	46.8	10:00 AM - 10:05 AM	56.1	39.3	12:40 PM - 12:45 PM	55.5	38.4
07:25 AM - 07:30 AM	62.9	48.3	10:05 AM - 10:10 AM	57.0	38.3	12:45 PM - 12:50 PM	56.6	40.0
07:30 AM - 07:35 AM	62.0	46.3	10:10 AM - 10:15 AM	56.1	39.9	12:50 PM - 12:55 PM	54.7	37.4
07:35 AM - 07:40 AM	62.5	47.6	10:15 AM - 10:20 AM	58.0	40.4	12:55 PM - 01:00 PM	56.9	38.6
07:40 AM - 07:45 AM	60.9	43.2	10:20 AM - 10:25 AM	55.1	38.3	01:00 PM - 01:05 PM	58.6	39.8
07:45 AM - 07:50 AM	58.9	41.8	10:25 AM - 10:30 AM	57.5	39.6	01:05 PM - 01:10 PM	52.4	36.5
07:50 AM - 07:55 AM	58.4	41.1	10:30 AM - 10:35 AM	54.3	38.1	01:10 PM - 01:15 PM	57.3	39.3
07:55 AM - 08:00 AM	64.5	44.4	10:35 AM - 10:40 AM	55.2	38.4	01:15 PM - 01:20 PM	58.0	43.5
08:00 AM - 08:05 AM	63.9	41.5	10:40 AM - 10:45 AM	56.8	38.6	01:20 PM - 01:25 PM	56.2	45.5
08:05 AM - 08:10 AM	56.7	41.2	10:45 AM - 10:50 AM	59.3	37.4	01:25 PM - 01:30 PM	57.4	46.5
08:10 AM - 08:15 AM	60.0	41.4	10:50 AM - 10:55 AM	57.1	40.2	01:30 PM - 01:35 PM	57.9	46.1
08:15 AM - 08:20 AM	57.8	42.5	10:55 AM - 11:00 AM	57.1	46.5	01:35 PM - 01:40 PM	54.2	44.8
08:20 AM - 08:25 AM	60.2	43.0	11:00 AM - 11:05 AM	56.5	38.3	01:40 PM - 01:45 PM	57.0	45.7
08:25 AM - 08:30 AM	57.6	41.7	11:05 AM - 11:10 AM	57.6	38.6	01:45 PM - 01:50 PM	55.8	45.0
08:30 AM - 08:35 AM	63.9	41.3	11:10 AM - 11:15 AM	57.0	38.3	01:50 PM - 01:55 PM	57.2	43.8
08:35 AM - 08:40 AM	66.6	37.6	11:15 AM - 11:20 AM	58.8	41.2	01:55 PM - 02:00 PM	54.6	44.9
08:40 AM - 08:45 AM	60.1	38.0	11:20 AM - 11:25 AM	57.4	40.9	02:00 PM - 02:05 PM	54.2	45.1
08:45 AM - 08:50 AM	59.7	39.3	11:25 AM - 11:30 AM	58.0	41.2	02:05 PM - 02:10 PM	58.0	44.0
08:50 AM - 08:55 AM	57.6	39.7	11:30 AM - 11:35 AM	55.8	37.6	02:10 PM - 02:15 PM	55.5	44.0
08:55 AM - 09:00 AM	56.1	40.0	11:35 AM - 11:40 AM	56.5	39.3	02:15 PM - 02:20 PM	55.9	44.2
09:00 AM - 09:05 AM	56.5	37.5	11:40 AM - 11:45 AM	57.3	42.5	02:20 PM - 02:25 PM	58.1	42.6
09:05 AM - 09:10 AM	57.4	44.8	11:45 AM - 11:50 AM	58.5	39.8	02:25 PM - 02:30 PM	56.7	43.6
09:10 AM - 09:15 AM	52.8	44.4	11:50 AM - 11:55 AM	61.4	44.0	02:30 PM - 02:35 PM	55.9	43.4
09:15 AM - 09:20 AM	55.0	44.6	11:55 AM - 12:00 PM	63.9	43.9	02:35 PM - 02:40 PM	56.7	42.1
09:20 AM - 09:25 AM	55.3	40.3	12:00 PM - 12:05 PM	61.9	43.0	02:40 PM - 02:45 PM	54.9	41.3
09:25 AM - 09:30 AM	56.5	38.6	12:05 PM - 12:10 PM	56.2	39.4	02:45 PM - 02:50 PM	58.7	41.0
09:30 AM - 09:35 AM	57.4	41.2	12:10 PM - 12:15 PM	56.9	40.1	02:50 PM - 02:55 PM	57.3	43.1
09:35 AM - 09:40 AM	62.1	42.1	12:15 PM - 12:20 PM	55.9	39.9	02:55 PM - 03:00 PM	55.0	42.2

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Approved by

Sarayuth Jittranont
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

Lot ID: 2448807
Date Received :May 16, 2024
Date Reported :May 23, 2024
Report Number : 3000118-1

P/O : RJN(2)-018/66
Project Name : Pluak Daeng
Project Location :

Sample Number 2448807-13
Parameter Noise Level (Leq 5 min)
Location บ้านพักอาศัย หมู่ 2 ซ.มาบยางพร 15 (N2) (GPS 47P 0733648, 1434012)
Measurement Date May 12 - May 13, 2024
Measurement by Saknarin Jaraskay
Sound Level meter Serial No. 920831

May 12, 2024 Time	Leq dB(A)	L90 dB(A)	May 12, 2024 Time	Leq dB(A)	L90 dB(A)	May 12, 2024 Time	Leq dB(A)	L90 dB(A)
03:00 PM - 03:05 PM	55.2	42.5	05:40 PM - 05:45 PM	60.9	48.2	08:20 PM - 08:25 PM	53.8	42.5
03:05 PM - 03:10 PM	53.9	42.0	05:45 PM - 05:50 PM	57.9	48.1	08:25 PM - 08:30 PM	55.3	42.6
03:10 PM - 03:15 PM	55.4	40.5	05:50 PM - 05:55 PM	58.7	46.6	08:30 PM - 08:35 PM	61.2	45.8
03:15 PM - 03:20 PM	57.2	41.0	05:55 PM - 06:00 PM	59.6	44.2	08:35 PM - 08:40 PM	55.8	42.1
03:20 PM - 03:25 PM	58.3	41.5	06:00 PM - 06:05 PM	63.5	47.4	08:40 PM - 08:45 PM	54.0	41.6
03:25 PM - 03:30 PM	57.8	43.5	06:05 PM - 06:10 PM	57.5	44.3	08:45 PM - 08:50 PM	52.2	41.6
03:30 PM - 03:35 PM	56.0	43.9	06:10 PM - 06:15 PM	56.0	44.9	08:50 PM - 08:55 PM	54.1	42.4
03:35 PM - 03:40 PM	55.5	42.9	06:15 PM - 06:20 PM	58.4	46.3	08:55 PM - 09:00 PM	54.2	41.4
03:40 PM - 03:45 PM	56.0	41.5	06:20 PM - 06:25 PM	62.3	44.2	09:00 PM - 09:05 PM	58.8	41.3
03:45 PM - 03:50 PM	56.5	42.0	06:25 PM - 06:30 PM	61.0	46.4	09:05 PM - 09:10 PM	57.7	40.9
03:50 PM - 03:55 PM	54.8	42.1	06:30 PM - 06:35 PM	59.0	44.4	09:10 PM - 09:15 PM	49.1	39.8
03:55 PM - 04:00 PM	56.5	41.7	06:35 PM - 06:40 PM	59.6	44.3	09:15 PM - 09:20 PM	52.1	40.2
04:00 PM - 04:05 PM	59.6	44.0	06:40 PM - 06:45 PM	63.9	44.9	09:20 PM - 09:25 PM	52.6	41.1
04:05 PM - 04:10 PM	55.1	41.0	06:45 PM - 06:50 PM	54.2	42.4	09:25 PM - 09:30 PM	51.6	39.9
04:10 PM - 04:15 PM	63.2	43.2	06:50 PM - 06:55 PM	55.2	42.2	09:30 PM - 09:35 PM	50.1	40.1
04:15 PM - 04:20 PM	56.9	42.6	06:55 PM - 07:00 PM	58.9	47.0	09:35 PM - 09:40 PM	52.8	39.5
04:20 PM - 04:25 PM	59.7	44.8	07:00 PM - 07:05 PM	56.2	41.6	09:40 PM - 09:45 PM	54.1	40.0
04:25 PM - 04:30 PM	58.3	43.2	07:05 PM - 07:10 PM	57.4	42.7	09:45 PM - 09:50 PM	50.4	38.6
04:30 PM - 04:35 PM	53.6	42.3	07:10 PM - 07:15 PM	58.7	44.8	09:50 PM - 09:55 PM	51.8	38.8
04:35 PM - 04:40 PM	58.8	43.8	07:15 PM - 07:20 PM	56.9	42.1	09:55 PM - 10:00 PM	57.8	40.9
04:40 PM - 04:45 PM	56.7	41.4	07:20 PM - 07:25 PM	57.8	42.2	10:00 PM - 10:05 PM	59.2	39.4
04:45 PM - 04:50 PM	55.8	42.0	07:25 PM - 07:30 PM	54.2	40.5	10:05 PM - 10:10 PM	54.4	40.1
04:50 PM - 04:55 PM	58.6	42.8	07:30 PM - 07:35 PM	59.3	42.5	10:10 PM - 10:15 PM	52.4	39.9
04:55 PM - 05:00 PM	61.8	50.7	07:35 PM - 07:40 PM	54.7	42.4	10:15 PM - 10:20 PM	56.1	39.6
05:00 PM - 05:05 PM	60.2	46.1	07:40 PM - 07:45 PM	59.4	40.4	10:20 PM - 10:25 PM	53.4	39.0
05:05 PM - 05:10 PM	61.0	45.0	07:45 PM - 07:50 PM	53.1	39.1	10:25 PM - 10:30 PM	55.2	39.8
05:10 PM - 05:15 PM	66.7	48.3	07:50 PM - 07:55 PM	57.5	42.1	10:30 PM - 10:35 PM	49.5	40.0
05:15 PM - 05:20 PM	60.5	49.0	07:55 PM - 08:00 PM	64.4	44.8	10:35 PM - 10:40 PM	52.1	39.3
05:20 PM - 05:25 PM	63.8	51.1	08:00 PM - 08:05 PM	59.4	46.2	10:40 PM - 10:45 PM	47.2	39.4
05:25 PM - 05:30 PM	62.8	47.7	08:05 PM - 08:10 PM	62.4	43.6	10:45 PM - 10:50 PM	60.4	39.8
05:30 PM - 05:35 PM	57.3	41.9	08:10 PM - 08:15 PM	56.2	42.8	10:50 PM - 10:55 PM	46.2	39.2
05:35 PM - 05:40 PM	59.4	46.5	08:15 PM - 08:20 PM	58.1	42.9	10:55 PM - 11:00 PM	58.9	39.4

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Approved by

Sarayuth Jittranont
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

Lot ID: 2448807
Date Received :May 16, 2024
Date Reported :May 23, 2024
Report Number : 3000118-1

P/O : RJN(2)-018/66
Project Name : Pluak Daeng
Project Location :

Sample Number 2448807-13
Parameter Noise Level (Leq 5 min)
Location บ้านพักอาศัย หมู่ 2 ซ.มาบยางพร 15 (N2) (GPS 47P 0733648, 1434012)
Measurement Date May 12 - May 13, 2024
Measurement by Saknarin Jaraskay
Sound Level meter Serial No. 920831

May 12 - May 13, 2024 Time	Leq dB(A)	L90 dB(A)	May 13, 2024 Time	Leq dB(A)	L90 dB(A)	May 13, 2024 Time	Leq dB(A)	L90 dB(A)
11:00 PM - 11:05 PM	56.6	39.3	01:40 AM - 01:45 AM	47.7	41.0	04:20 AM - 04:25 AM	57.5	54.2
11:05 PM - 11:10 PM	56.1	39.4	01:45 AM - 01:50 AM	41.6	40.0	04:25 AM - 04:30 AM	58.1	53.8
11:10 PM - 11:15 PM	46.5	38.8	01:50 AM - 01:55 AM	47.2	39.0	04:30 AM - 04:35 AM	63.1	51.9
11:15 PM - 11:20 PM	54.1	39.4	01:55 AM - 02:00 AM	51.5	39.8	04:35 AM - 04:40 AM	59.3	52.3
11:20 PM - 11:25 PM	53.5	38.7	02:00 AM - 02:05 AM	43.1	39.7	04:40 AM - 04:45 AM	58.8	56.4
11:25 PM - 11:30 PM	47.9	39.1	02:05 AM - 02:10 AM	50.1	39.1	04:45 AM - 04:50 AM	58.7	57.1
11:30 PM - 11:35 PM	52.7	39.4	02:10 AM - 02:15 AM	48.6	38.0	04:50 AM - 04:55 AM	60.3	59.2
11:35 PM - 11:40 PM	46.8	39.9	02:15 AM - 02:20 AM	56.3	38.6	04:55 AM - 05:00 AM	62.6	58.9
11:40 PM - 11:45 PM	50.8	40.1	02:20 AM - 02:25 AM	53.1	40.7	05:00 AM - 05:05 AM	60.6	56.9
11:45 PM - 11:50 PM	50.2	40.4	02:25 AM - 02:30 AM	69.0	57.6	05:05 AM - 05:10 AM	58.4	56.3
11:50 PM - 11:55 PM	42.8	39.8	02:30 AM - 02:35 AM	69.5	46.4	05:10 AM - 05:15 AM	59.7	56.6
11:55 PM - 12:00 AM	59.5	40.4	02:35 AM - 02:40 AM	68.2	61.8	05:15 AM - 05:20 AM	59.3	56.2
12:00 AM - 12:05 AM	50.9	40.0	02:40 AM - 02:45 AM	66.6	58.3	05:20 AM - 05:25 AM	59.0	55.8
12:05 AM - 12:10 AM	49.4	40.7	02:45 AM - 02:50 AM	60.1	47.4	05:25 AM - 05:30 AM	58.5	54.1
12:10 AM - 12:15 AM	52.3	40.6	02:50 AM - 02:55 AM	58.1	46.6	05:30 AM - 05:35 AM	58.8	54.2
12:15 AM - 12:20 AM	49.4	41.6	02:55 AM - 03:00 AM	67.7	64.1	05:35 AM - 05:40 AM	59.3	54.4
12:20 AM - 12:25 AM	52.4	41.2	03:00 AM - 03:05 AM	64.3	57.9	05:40 AM - 05:45 AM	58.1	53.8
12:25 AM - 12:30 AM	43.6	40.2	03:05 AM - 03:10 AM	64.8	57.2	05:45 AM - 05:50 AM	66.1	55.4
12:30 AM - 12:35 AM	55.8	40.4	03:10 AM - 03:15 AM	63.9	58.8	05:50 AM - 05:55 AM	63.3	54.0
12:35 AM - 12:40 AM	52.9	40.5	03:15 AM - 03:20 AM	64.6	56.5	05:55 AM - 06:00 AM	64.0	54.0
12:40 AM - 12:45 AM	46.0	39.7	03:20 AM - 03:25 AM	60.8	52.9	06:00 AM - 06:05 AM	61.1	53.5
12:45 AM - 12:50 AM	45.9	39.9	03:25 AM - 03:30 AM	64.2	53.3	06:05 AM - 06:10 AM	62.3	52.2
12:50 AM - 12:55 AM	49.3	40.4	03:30 AM - 03:35 AM	59.4	52.8	06:10 AM - 06:15 AM	63.1	52.3
12:55 AM - 01:00 AM	53.7	41.0	03:35 AM - 03:40 AM	66.0	51.5	06:15 AM - 06:20 AM	63.3	52.2
01:00 AM - 01:05 AM	53.2	41.4	03:40 AM - 03:45 AM	63.3	50.4	06:20 AM - 06:25 AM	64.4	51.2
01:05 AM - 01:10 AM	51.8	40.6	03:45 AM - 03:50 AM	54.3	49.9	06:25 AM - 06:30 AM	66.1	54.7
01:10 AM - 01:15 AM	49.0	41.6	03:50 AM - 03:55 AM	62.1	49.4	06:30 AM - 06:35 AM	64.2	52.5
01:15 AM - 01:20 AM	51.5	42.9	03:55 AM - 04:00 AM	61.0	48.7	06:35 AM - 06:40 AM	64.7	51.9
01:20 AM - 01:25 AM	50.9	41.8	04:00 AM - 04:05 AM	65.8	50.7	06:40 AM - 06:45 AM	65.8	53.6
01:25 AM - 01:30 AM	51.8	41.0	04:05 AM - 04:10 AM	63.1	51.1	06:45 AM - 06:50 AM	65.0	52.4
01:30 AM - 01:35 AM	48.8	40.9	04:10 AM - 04:15 AM	58.8	50.9	06:50 AM - 06:55 AM	64.7	53.5
01:35 AM - 01:40 AM	47.2	40.8	04:15 AM - 04:20 AM	59.8	50.4	06:55 AM - 07:00 AM	64.7	54.0

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Approved by

Sarayuth Jittranont
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

Lot ID: 2448807
Date Received :May 16, 2024
Date Reported :May 23, 2024
Report Number : 3000118-1

P/O : RJN(2)-018/66
Project Name : Pluak Daeng
Project Location :

Sample Number 2448807-13
Parameter Noise Level (Leq 5 min)
Location บ้านพักอาศัย หมู่ 2 ซ.มาบยางพร 15 (N2) (GPS 47P 0733648, 1434012)
Measurement Date May 12 - May 13, 2024
Measurement by Saknarin Jaraskay
Sound Level meter Serial No. 920831

May 13, 2024 Time	Leq dB(A)	L90 dB(A)	May 13, 2024 Time	Leq dB(A)	L90 dB(A)	May 13, 2024 Time	Leq dB(A)	L90 dB(A)
07:00 AM - 07:05 AM	65.1	52.5	09:40 AM - 09:45 AM	59.7	46.4	12:20 PM - 12:25 PM	57.4	44.1
07:05 AM - 07:10 AM	64.0	50.8	09:45 AM - 09:50 AM	58.9	46.0	12:25 PM - 12:30 PM	63.5	45.9
07:10 AM - 07:15 AM	64.0	54.5	09:50 AM - 09:55 AM	62.2	47.4	12:30 PM - 12:35 PM	59.7	46.0
07:15 AM - 07:20 AM	66.5	54.7	09:55 AM - 10:00 AM	58.7	45.5	12:35 PM - 12:40 PM	59.2	45.7
07:20 AM - 07:25 AM	66.3	57.3	10:00 AM - 10:05 AM	53.9	45.3	12:40 PM - 12:45 PM	63.5	47.0
07:25 AM - 07:30 AM	64.3	56.7	10:05 AM - 10:10 AM	57.5	45.1	12:45 PM - 12:50 PM	57.1	46.5
07:30 AM - 07:35 AM	65.1	55.2	10:10 AM - 10:15 AM	59.6	48.0	12:50 PM - 12:55 PM	58.7	45.7
07:35 AM - 07:40 AM	67.6	51.9	10:15 AM - 10:20 AM	56.7	46.3	12:55 PM - 01:00 PM	61.5	45.6
07:40 AM - 07:45 AM	63.5	50.3	10:20 AM - 10:25 AM	56.5	46.8	01:00 PM - 01:05 PM	60.7	46.8
07:45 AM - 07:50 AM	63.5	52.6	10:25 AM - 10:30 AM	57.2	46.2	01:05 PM - 01:10 PM	56.6	46.2
07:50 AM - 07:55 AM	62.1	50.3	10:30 AM - 10:35 AM	57.4	46.2	01:10 PM - 01:15 PM	54.8	46.8
07:55 AM - 08:00 AM	61.4	46.7	10:35 AM - 10:40 AM	59.0	45.8	01:15 PM - 01:20 PM	56.4	46.7
08:00 AM - 08:05 AM	68.2	49.8	10:40 AM - 10:45 AM	58.3	46.5	01:20 PM - 01:25 PM	58.6	47.9
08:05 AM - 08:10 AM	58.4	45.3	10:45 AM - 10:50 AM	60.5	45.2	01:25 PM - 01:30 PM	57.1	47.3
08:10 AM - 08:15 AM	61.0	46.7	10:50 AM - 10:55 AM	57.0	46.3	01:30 PM - 01:35 PM	59.5	48.2
08:15 AM - 08:20 AM	64.1	46.2	10:55 AM - 11:00 AM	56.0	45.9	01:35 PM - 01:40 PM	53.9	46.8
08:20 AM - 08:25 AM	56.7	45.0	11:00 AM - 11:05 AM	61.3	47.0	01:40 PM - 01:45 PM	57.6	46.2
08:25 AM - 08:30 AM	59.4	44.2	11:05 AM - 11:10 AM	59.7	44.7	01:45 PM - 01:50 PM	58.6	46.9
08:30 AM - 08:35 AM	60.4	45.5	11:10 AM - 11:15 AM	58.9	45.4	01:50 PM - 01:55 PM	55.1	46.4
08:35 AM - 08:40 AM	58.1	45.0	11:15 AM - 11:20 AM	58.1	46.2	01:55 PM - 02:00 PM	57.5	47.2
08:40 AM - 08:45 AM	61.2	44.6	11:20 AM - 11:25 AM	57.8	46.8	02:00 PM - 02:05 PM	58.6	46.8
08:45 AM - 08:50 AM	58.8	46.0	11:25 AM - 11:30 AM	57.1	45.4	02:05 PM - 02:10 PM	58.1	47.4
08:50 AM - 08:55 AM	63.0	45.4	11:30 AM - 11:35 AM	58.9	46.4	02:10 PM - 02:15 PM	58.2	48.7
08:55 AM - 09:00 AM	57.5	45.2	11:35 AM - 11:40 AM	58.4	45.7	02:15 PM - 02:20 PM	62.8	47.2
09:00 AM - 09:05 AM	57.7	45.7	11:40 AM - 11:45 AM	60.0	45.2	02:20 PM - 02:25 PM	57.9	46.3
09:05 AM - 09:10 AM	60.5	45.5	11:45 AM - 11:50 AM	60.0	47.5	02:25 PM - 02:30 PM	56.0	46.4
09:10 AM - 09:15 AM	59.6	45.2	11:50 AM - 11:55 AM	61.0	46.7	02:30 PM - 02:35 PM	60.5	46.4
09:15 AM - 09:20 AM	56.2	43.8	11:55 AM - 12:00 PM	65.1	48.3	02:35 PM - 02:40 PM	55.2	45.8
09:20 AM - 09:25 AM	58.0	46.1	12:00 PM - 12:05 PM	60.2	44.6	02:40 PM - 02:45 PM	58.1	46.2
09:25 AM - 09:30 AM	57.5	44.7	12:05 PM - 12:10 PM	59.1	45.9	02:45 PM - 02:50 PM	59.1	46.1
09:30 AM - 09:35 AM	59.6	43.0	12:10 PM - 12:15 PM	60.4	45.3	02:50 PM - 02:55 PM	59.6	48.5
09:35 AM - 09:40 AM	56.1	45.0	12:15 PM - 12:20 PM	54.0	43.7	02:55 PM - 03:00 PM	58.5	48.9

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Approved by

Sarayuth Jittranont
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

Lot ID: 2448807
Date Received :May 16, 2024
Date Reported :May 23, 2024
Report Number : 3000119-1

P/O : RJN(2)-018/66
Project Name : Pluak Daeng
Project Location :

Sample Number 2448807-14
Parameter Noise Level (Leq 5 min)
Location บ้านพักอาศัย หมู่ 2 ซ.มาบยางพร 15 (N2) (GPS 47P 0733648, 1434012)
Measurement Date May 13 - May 14, 2024
Measurement by Saknarin Jaraskay
Sound Level meter Serial No. 920831

May 13, 2024 Time	Leq dB(A)	L90 dB(A)	May 13, 2024 Time	Leq dB(A)	L90 dB(A)	May 13, 2024 Time	Leq dB(A)	L90 dB(A)
03:00 PM - 03:05 PM	57.7	46.1	05:40 PM - 05:45 PM	62.1	49.4	08:20 PM - 08:25 PM	58.7	44.3
03:05 PM - 03:10 PM	61.5	46.7	05:45 PM - 05:50 PM	61.3	48.1	08:25 PM - 08:30 PM	62.7	48.2
03:10 PM - 03:15 PM	58.8	46.0	05:50 PM - 05:55 PM	62.2	48.1	08:30 PM - 08:35 PM	59.0	44.2
03:15 PM - 03:20 PM	59.0	45.5	05:55 PM - 06:00 PM	62.2	48.7	08:35 PM - 08:40 PM	64.1	43.9
03:20 PM - 03:25 PM	62.2	45.8	06:00 PM - 06:05 PM	60.8	46.7	08:40 PM - 08:45 PM	61.3	44.5
03:25 PM - 03:30 PM	56.5	46.8	06:05 PM - 06:10 PM	61.3	47.8	08:45 PM - 08:50 PM	55.8	43.3
03:30 PM - 03:35 PM	60.6	46.6	06:10 PM - 06:15 PM	60.4	48.5	08:50 PM - 08:55 PM	59.3	43.9
03:35 PM - 03:40 PM	56.8	46.7	06:15 PM - 06:20 PM	59.0	46.9	08:55 PM - 09:00 PM	57.9	45.3
03:40 PM - 03:45 PM	56.1	46.1	06:20 PM - 06:25 PM	61.9	46.9	09:00 PM - 09:05 PM	59.0	45.8
03:45 PM - 03:50 PM	56.1	46.5	06:25 PM - 06:30 PM	60.4	44.6	09:05 PM - 09:10 PM	51.6	43.5
03:50 PM - 03:55 PM	58.8	46.5	06:30 PM - 06:35 PM	61.5	45.7	09:10 PM - 09:15 PM	59.8	43.5
03:55 PM - 04:00 PM	57.4	47.1	06:35 PM - 06:40 PM	61.8	47.3	09:15 PM - 09:20 PM	62.6	43.1
04:00 PM - 04:05 PM	56.7	47.1	06:40 PM - 06:45 PM	59.9	43.1	09:20 PM - 09:25 PM	56.5	43.5
04:05 PM - 04:10 PM	56.8	45.8	06:45 PM - 06:50 PM	60.3	44.8	09:25 PM - 09:30 PM	60.4	43.6
04:10 PM - 04:15 PM	57.6	46.2	06:50 PM - 06:55 PM	57.5	44.7	09:30 PM - 09:35 PM	49.1	43.0
04:15 PM - 04:20 PM	58.6	47.7	06:55 PM - 07:00 PM	60.9	46.1	09:35 PM - 09:40 PM	56.0	44.4
04:20 PM - 04:25 PM	56.5	47.9	07:00 PM - 07:05 PM	61.2	47.7	09:40 PM - 09:45 PM	54.9	43.1
04:25 PM - 04:30 PM	60.2	50.3	07:05 PM - 07:10 PM	62.2	47.4	09:45 PM - 09:50 PM	60.9	43.6
04:30 PM - 04:35 PM	57.7	50.8	07:10 PM - 07:15 PM	59.1	44.6	09:50 PM - 09:55 PM	61.9	43.8
04:35 PM - 04:40 PM	58.7	51.0	07:15 PM - 07:20 PM	59.4	49.0	09:55 PM - 10:00 PM	57.4	43.7
04:40 PM - 04:45 PM	57.3	49.3	07:20 PM - 07:25 PM	63.0	49.1	10:00 PM - 10:05 PM	55.3	43.3
04:45 PM - 04:50 PM	59.8	49.8	07:25 PM - 07:30 PM	61.9	48.6	10:05 PM - 10:10 PM	56.0	44.6
04:50 PM - 04:55 PM	63.6	50.0	07:30 PM - 07:35 PM	59.2	47.7	10:10 PM - 10:15 PM	52.8	46.2
04:55 PM - 05:00 PM	62.3	52.0	07:35 PM - 07:40 PM	60.4	45.2	10:15 PM - 10:20 PM	52.5	43.6
05:00 PM - 05:05 PM	65.9	51.8	07:40 PM - 07:45 PM	64.9	44.9	10:20 PM - 10:25 PM	50.7	42.6
05:05 PM - 05:10 PM	64.1	50.7	07:45 PM - 07:50 PM	56.1	41.6	10:25 PM - 10:30 PM	47.3	42.9
05:10 PM - 05:15 PM	61.2	49.6	07:50 PM - 07:55 PM	62.1	42.8	10:30 PM - 10:35 PM	45.7	42.3
05:15 PM - 05:20 PM	61.0	49.6	07:55 PM - 08:00 PM	63.0	49.8	10:35 PM - 10:40 PM	50.8	41.8
05:20 PM - 05:25 PM	63.7	48.1	08:00 PM - 08:05 PM	64.9	54.0	10:40 PM - 10:45 PM	46.9	41.5
05:25 PM - 05:30 PM	59.7	48.8	08:05 PM - 08:10 PM	61.0	48.2	10:45 PM - 10:50 PM	42.4	41.0
05:30 PM - 05:35 PM	61.4	50.9	08:10 PM - 08:15 PM	62.0	46.2	10:50 PM - 10:55 PM	50.2	41.1
05:35 PM - 05:40 PM	62.0	46.2	08:15 PM - 08:20 PM	61.2	47.3	10:55 PM - 11:00 PM	49.5	41.1

Approved by

Sarayuth Jittranont
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

Lot ID: 2448807
Date Received :May 16, 2024
Date Reported :May 23, 2024
Report Number : 3000119-1

P/O : RJN(2)-018/66
Project Name : Pluak Daeng
Project Location :

Sample Number 2448807-14
Parameter Noise Level (Leq 5 min)
Location บ้านพักอาศัย หมู่ 2 ซ.มาบยางพร 15 (N2) (GPS 47P 0733648, 1434012)
Measurement Date May 13 - May 14, 2024
Measurement by Saknarin Jaraskay
Sound Level meter Serial No. 920831

May 13 - May 14, 2024 Time	Leq dB(A)	L90 dB(A)	May 14, 2024 Time	Leq dB(A)	L90 dB(A)	May 14, 2024 Time	Leq dB(A)	L90 dB(A)
11:00 PM - 11:05 PM	47.8	40.9	01:40 AM - 01:45 AM	47.2	40.5	04:20 AM - 04:25 AM	54.2	39.5
11:05 PM - 11:10 PM	51.0	41.4	01:45 AM - 01:50 AM	50.2	39.6	04:25 AM - 04:30 AM	52.2	39.1
11:10 PM - 11:15 PM	54.8	40.7	01:50 AM - 01:55 AM	39.4	38.2	04:30 AM - 04:35 AM	51.6	38.7
11:15 PM - 11:20 PM	45.5	40.2	01:55 AM - 02:00 AM	38.7	38.2	04:35 AM - 04:40 AM	50.0	38.7
11:20 PM - 11:25 PM	46.8	39.8	02:00 AM - 02:05 AM	43.0	38.0	04:40 AM - 04:45 AM	51.9	38.9
11:25 PM - 11:30 PM	52.4	39.8	02:05 AM - 02:10 AM	39.2	37.7	04:45 AM - 04:50 AM	51.3	38.9
11:30 PM - 11:35 PM	44.5	40.7	02:10 AM - 02:15 AM	52.6	37.4	04:50 AM - 04:55 AM	52.3	39.6
11:35 PM - 11:40 PM	44.0	40.8	02:15 AM - 02:20 AM	44.4	38.1	04:55 AM - 05:00 AM	59.0	41.0
11:40 PM - 11:45 PM	47.3	40.5	02:20 AM - 02:25 AM	42.0	38.1	05:00 AM - 05:05 AM	55.5	41.6
11:45 PM - 11:50 PM	49.8	40.3	02:25 AM - 02:30 AM	45.1	40.5	05:05 AM - 05:10 AM	53.2	40.4
11:50 PM - 11:55 PM	62.6	40.1	02:30 AM - 02:35 AM	41.4	40.8	05:10 AM - 05:15 AM	57.8	41.1
11:55 PM - 12:00 AM	51.7	40.2	02:35 AM - 02:40 AM	47.7	41.9	05:15 AM - 05:20 AM	57.1	41.6
12:00 AM - 12:05 AM	52.6	39.5	02:40 AM - 02:45 AM	41.5	40.8	05:20 AM - 05:25 AM	56.4	41.4
12:05 AM - 12:10 AM	50.6	39.3	02:45 AM - 02:50 AM	48.5	40.7	05:25 AM - 05:30 AM	53.7	41.1
12:10 AM - 12:15 AM	50.3	37.8	02:50 AM - 02:55 AM	43.0	42.1	05:30 AM - 05:35 AM	62.5	42.1
12:15 AM - 12:20 AM	53.1	38.3	02:55 AM - 03:00 AM	45.3	42.2	05:35 AM - 05:40 AM	56.1	41.7
12:20 AM - 12:25 AM	50.6	37.5	03:00 AM - 03:05 AM	45.2	42.4	05:40 AM - 05:45 AM	60.4	46.8
12:25 AM - 12:30 AM	54.4	38.8	03:05 AM - 03:10 AM	46.5	41.5	05:45 AM - 05:50 AM	61.1	45.0
12:30 AM - 12:35 AM	60.9	39.8	03:10 AM - 03:15 AM	45.2	41.4	05:50 AM - 05:55 AM	62.7	45.1
12:35 AM - 12:40 AM	44.7	38.2	03:15 AM - 03:20 AM	44.7	41.4	05:55 AM - 06:00 AM	56.1	41.4
12:40 AM - 12:45 AM	48.5	38.8	03:20 AM - 03:25 AM	41.9	41.1	06:00 AM - 06:05 AM	59.5	43.2
12:45 AM - 12:50 AM	54.7	39.2	03:25 AM - 03:30 AM	48.9	40.2	06:05 AM - 06:10 AM	59.6	42.4
12:50 AM - 12:55 AM	44.9	40.9	03:30 AM - 03:35 AM	44.6	39.5	06:10 AM - 06:15 AM	59.5	43.9
12:55 AM - 01:00 AM	49.4	40.1	03:35 AM - 03:40 AM	48.8	39.0	06:15 AM - 06:20 AM	59.7	45.1
01:00 AM - 01:05 AM	45.7	40.1	03:40 AM - 03:45 AM	39.6	38.8	06:20 AM - 06:25 AM	62.5	48.7
01:05 AM - 01:10 AM	50.6	41.0	03:45 AM - 03:50 AM	44.0	38.6	06:25 AM - 06:30 AM	61.7	50.3
01:10 AM - 01:15 AM	45.3	40.7	03:50 AM - 03:55 AM	53.7	38.9	06:30 AM - 06:35 AM	63.5	47.8
01:15 AM - 01:20 AM	41.6	40.8	03:55 AM - 04:00 AM	46.7	38.5	06:35 AM - 06:40 AM	62.6	50.1
01:20 AM - 01:25 AM	46.1	41.1	04:00 AM - 04:05 AM	58.2	38.8	06:40 AM - 06:45 AM	62.5	51.3
01:25 AM - 01:30 AM	48.8	40.9	04:05 AM - 04:10 AM	50.5	38.5	06:45 AM - 06:50 AM	64.2	52.6
01:30 AM - 01:35 AM	49.3	40.1	04:10 AM - 04:15 AM	52.2	38.9	06:50 AM - 06:55 AM	62.5	48.9
01:35 AM - 01:40 AM	43.4	40.9	04:15 AM - 04:20 AM	50.4	39.8	06:55 AM - 07:00 AM	63.9	52.9

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Approved by

Sarayuth Jittranont
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

Lot ID: 2448807
Date Received :May 16, 2024
Date Reported :May 23, 2024
Report Number : 3000119-1

P/O : RJN(2)-018/66
Project Name : Pluak Daeng
Project Location :

Sample Number 2448807-14
Parameter Noise Level (Leq 5 min)
Location บ้านพักอาศัย หมู่ 2 ซ.มาบยางพร 15 (N2) (GPS 47P 0733648, 1434012)
Measurement Date May 13 - May 14, 2024
Measurement by Saknarin Jaraskay
Sound Level meter Serial No. 920831

May 14, 2024 Time	Leq dB(A)	L90 dB(A)	May 14, 2024 Time	Leq dB(A)	L90 dB(A)	May 14, 2024 Time	Leq dB(A)	L90 dB(A)
07:00 AM - 07:05 AM	63.2	50.9	09:40 AM - 09:45 AM	58.4	45.3	12:20 PM - 12:25 PM	57.5	45.0
07:05 AM - 07:10 AM	62.0	52.4	09:45 AM - 09:50 AM	59.5	44.0	12:25 PM - 12:30 PM	62.4	47.5
07:10 AM - 07:15 AM	65.3	53.2	09:50 AM - 09:55 AM	64.5	44.9	12:30 PM - 12:35 PM	60.3	46.9
07:15 AM - 07:20 AM	64.6	52.4	09:55 AM - 10:00 AM	60.1	44.5	12:35 PM - 12:40 PM	65.3	48.1
07:20 AM - 07:25 AM	65.8	54.5	10:00 AM - 10:05 AM	60.4	45.3	12:40 PM - 12:45 PM	67.5	46.9
07:25 AM - 07:30 AM	68.6	53.9	10:05 AM - 10:10 AM	59.6	45.4	12:45 PM - 12:50 PM	60.8	47.5
07:30 AM - 07:35 AM	63.0	51.2	10:10 AM - 10:15 AM	61.1	46.2	12:50 PM - 12:55 PM	63.3	47.6
07:35 AM - 07:40 AM	65.4	49.6	10:15 AM - 10:20 AM	58.2	44.9	12:55 PM - 01:00 PM	60.0	46.9
07:40 AM - 07:45 AM	64.2	52.8	10:20 AM - 10:25 AM	61.9	44.4	01:00 PM - 01:05 PM	56.5	48.1
07:45 AM - 07:50 AM	66.4	48.3	10:25 AM - 10:30 AM	54.5	45.0	01:05 PM - 01:10 PM	59.1	47.7
07:50 AM - 07:55 AM	61.5	46.2	10:30 AM - 10:35 AM	60.5	46.2	01:10 PM - 01:15 PM	56.7	47.8
07:55 AM - 08:00 AM	64.6	48.8	10:35 AM - 10:40 AM	56.0	46.3	01:15 PM - 01:20 PM	55.6	47.3
08:00 AM - 08:05 AM	67.1	52.7	10:40 AM - 10:45 AM	56.4	45.8	01:20 PM - 01:25 PM	59.0	45.4
08:05 AM - 08:10 AM	61.4	47.1	10:45 AM - 10:50 AM	62.0	45.9	01:25 PM - 01:30 PM	56.3	46.0
08:10 AM - 08:15 AM	60.3	43.0	10:50 AM - 10:55 AM	59.2	46.6	01:30 PM - 01:35 PM	54.6	45.4
08:15 AM - 08:20 AM	62.9	42.7	10:55 AM - 11:00 AM	61.0	46.8	01:35 PM - 01:40 PM	58.0	46.2
08:20 AM - 08:25 AM	58.3	43.3	11:00 AM - 11:05 AM	63.0	46.3	01:40 PM - 01:45 PM	59.0	46.8
08:25 AM - 08:30 AM	60.7	41.7	11:05 AM - 11:10 AM	57.4	46.2	01:45 PM - 01:50 PM	54.2	46.0
08:30 AM - 08:35 AM	60.6	45.0	11:10 AM - 11:15 AM	59.7	47.9	01:50 PM - 01:55 PM	59.1	46.9
08:35 AM - 08:40 AM	61.5	42.6	11:15 AM - 11:20 AM	60.7	47.6	01:55 PM - 02:00 PM	57.7	48.5
08:40 AM - 08:45 AM	57.9	41.9	11:20 AM - 11:25 AM	60.6	47.1	02:00 PM - 02:05 PM	57.6	48.9
08:45 AM - 08:50 AM	65.3	43.5	11:25 AM - 11:30 AM	62.2	46.5	02:05 PM - 02:10 PM	57.8	48.2
08:50 AM - 08:55 AM	61.5	43.7	11:30 AM - 11:35 AM	59.2	46.4	02:10 PM - 02:15 PM	57.5	47.6
08:55 AM - 09:00 AM	60.2	43.7	11:35 AM - 11:40 AM	57.9	46.0	02:15 PM - 02:20 PM	60.3	47.2
09:00 AM - 09:05 AM	59.7	45.8	11:40 AM - 11:45 AM	57.6	48.1	02:20 PM - 02:25 PM	59.8	48.1
09:05 AM - 09:10 AM	62.0	42.0	11:45 AM - 11:50 AM	63.0	48.8	02:25 PM - 02:30 PM	58.7	47.8
09:10 AM - 09:15 AM	61.8	41.8	11:50 AM - 11:55 AM	64.0	50.5	02:30 PM - 02:35 PM	56.8	47.6
09:15 AM - 09:20 AM	62.3	43.6	11:55 AM - 12:00 PM	62.7	48.5	02:35 PM - 02:40 PM	56.5	48.1
09:20 AM - 09:25 AM	62.7	39.8	12:00 PM - 12:05 PM	62.5	47.3	02:40 PM - 02:45 PM	63.3	47.2
09:25 AM - 09:30 AM	63.2	44.9	12:05 PM - 12:10 PM	62.8	48.3	02:45 PM - 02:50 PM	58.9	47.1
09:30 AM - 09:35 AM	59.2	45.0	12:10 PM - 12:15 PM	61.8	48.2	02:50 PM - 02:55 PM	55.2	47.0
09:35 AM - 09:40 AM	59.0	48.3	12:15 PM - 12:20 PM	60.2	46.5	02:55 PM - 03:00 PM	60.2	47.2

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Approved by

Sarayuth Jittranont
Assistant General Manager

ภาคผนวก ค-10

ระดับเสียงรบกวน

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)-018/66
Project Name : Pluak Daeng
Project Location :

Lot ID: 2448811
Date Received :May 16, 2024
Date Reported :May 23, 2024
Report Number : 2997441-1

Sample No. 2448811-1
Parameter เสียงรบกวน
Location บ้านวังตาหม่อน (N1) (GPS 47P 07304083 1432148)
Measurement Date May 07 - 08, 2024
Measurement by Saknarin Jaraskay
Sound Level Meter 920833

ระดับเสียง (dB(A))						
เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าระดับการรบกวน
			กลางวัน	กลางคืน		
03:00 PM - 04:00 PM	63.2	56.4	62.2	-	41.5	20.7
04:00 PM - 05:00 PM	61.3	54.5	60.3	-	41.0	19.3
05:00 PM - 06:00 PM	61.0	54.2	60.0	-	41.8	18.2
06:00 PM - 07:00 PM	63.4	56.6	62.4	-	42.9	19.5
07:00 PM - 08:00 PM	64.2	57.4	63.2	-	43.5	19.7
08:00 PM - 09:00 PM	63.2	56.4	62.2	-	42.7	19.5
09:00 PM - 10:00 PM	62.3	55.5	61.3	-	46.6	14.7
10:00 PM - 10:05 PM	57.4	50.6	-	59.4	42.3	17.1
10:05 PM - 10:10 PM	59.1	52.3	-	61.1	42.2	18.9
10:10 PM - 10:15 PM	53.9	47.1	-	55.9	40.8	15.1
10:15 PM - 10:20 PM	55.0	48.2	-	57.0	44.0	13.0
10:20 PM - 10:25 PM	58.7	51.9	-	60.7	43.9	16.8
10:25 PM - 10:30 PM	56.6	49.8	-	58.6	44.0	14.6
10:30 PM - 10:35 PM	60.8	54.0	-	62.8	44.2	18.6
10:35 PM - 10:40 PM	54.6	47.8	-	56.6	43.0	13.6
10:40 PM - 10:45 PM	55.0	48.2	-	57.0	43.4	13.6
10:45 PM - 10:50 PM	55.9	49.1	-	57.9	42.7	15.2
10:50 PM - 10:55 PM	56.8	50.0	-	58.8	43.4	15.4
10:55 PM - 11:00 PM	58.0	51.2	-	60.0	44.2	15.8
11:00 PM - 11:05 PM	58.5	51.7	-	60.5	44.8	15.7
11:05 PM - 11:10 PM	58.0	51.2	-	60.0	42.6	17.4
11:10 PM - 11:15 PM	58.9	52.1	-	60.9	42.6	18.3
11:15 PM - 11:20 PM	56.5	49.7	-	58.5	42.1	16.4
11:20 PM - 11:25 PM	56.0	49.2	-	58.0	41.6	16.4
11:25 PM - 11:30 PM	57.5	50.7	-	59.5	42.0	17.5
11:30 PM - 11:35 PM	55.9	49.1	-	57.9	41.6	16.3
11:35 PM - 11:40 PM	53.3	46.5	-	55.3	40.1	15.2
11:40 PM - 11:45 PM	59.6	52.8	-	61.6	42.8	18.8
11:45 PM - 11:50 PM	57.0	50.2	-	59.0	40.4	18.6
11:50 PM - 11:55 PM	58.3	51.5	-	60.3	41.8	18.5
11:55 PM - 12:00 AM	53.5	46.7	-	55.5	40.9	14.6
12:00 AM - 12:05 AM	57.8	51.0	-	59.8	42.3	17.5
12:05 AM - 12:10 AM	56.8	50.0	-	58.8	43.0	15.8
12:10 AM - 12:15 AM	55.6	48.8	-	57.6	43.0	14.6
12:15 AM - 12:20 AM	54.8	48.0	-	56.8	43.5	13.3
12:20 AM - 12:25 AM	57.8	51.0	-	59.8	42.9	16.9
12:25 AM - 12:30 AM	54.5	47.7	-	56.5	43.9	12.6
12:30 AM - 12:35 AM	57.0	50.2	-	59.0	43.1	15.9
12:35 AM - 12:40 AM	54.0	47.2	-	56.0	42.8	13.2
12:40 AM - 12:45 AM	55.1	48.3	-	57.1	40.3	16.8

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Approved by

Wilawan Borirak
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)-018/66
Project Name : Pluak Daeng
Project Location :

Lot ID: 2448811
Date Received :May 16, 2024
Date Reported :May 23, 2024
Report Number : 2997441-1

Sample No. 2448811-1
Parameter เสียงรบกวน
Location บ้านวังตาหม่อน (N1) (GPS 47P 07304083 1432148)
Measurement Date May 07 - 08, 2024
Measurement by Saknarin Jaraskay
Sound Level Meter 920833

ระดับเสียง (dB(A))						
เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าระดับการรบกวน
			กลางวัน	กลางคืน		
12:45 AM - 12:50 AM	58.7	51.9	-	60.7	42.6	18.1
12:50 AM - 12:55 AM	55.6	48.8	-	57.6	39.6	18.0
12:55 AM - 01:00 AM	62.6	55.8	-	64.6	41.1	23.5
01:00 AM - 01:05 AM	50.2	43.4	-	52.2	39.4	12.8
01:05 AM - 01:10 AM	49.8	43.0	-	51.8	39.3	12.5
01:10 AM - 01:15 AM	50.8	44.0	-	52.8	39.8	13.0
01:15 AM - 01:20 AM	52.6	45.8	-	54.6	39.6	15.0
01:20 AM - 01:25 AM	53.6	46.8	-	55.6	39.2	16.4
01:25 AM - 01:30 AM	50.4	43.6	-	52.4	38.2	14.2
01:30 AM - 01:35 AM	51.8	45.0	-	53.8	38.1	15.7
01:35 AM - 01:40 AM	52.5	45.7	-	54.5	37.9	16.6
01:40 AM - 01:45 AM	48.4	41.6	-	50.4	37.3	13.1
01:45 AM - 01:50 AM	53.9	47.1	-	55.9	39.0	16.9
01:50 AM - 01:55 AM	50.8	44.0	-	52.8	38.4	14.4
01:55 AM - 02:00 AM	52.8	46.0	-	54.8	39.2	15.6
02:00 AM - 02:05 AM	50.8	44.0	-	52.8	39.0	13.8
02:05 AM - 02:10 AM	48.1	41.3	-	50.1	38.2	11.9
02:10 AM - 02:15 AM	50.7	43.9	-	52.7	38.2	14.5
02:15 AM - 02:20 AM	48.4	41.6	-	50.4	37.7	12.7
02:20 AM - 02:25 AM	52.6	45.8	-	54.6	38.3	16.3
02:25 AM - 02:30 AM	50.0	43.2	-	52.0	37.9	14.1
02:30 AM - 02:35 AM	50.6	43.8	-	52.6	38.9	13.7
02:35 AM - 02:40 AM	53.7	46.9	-	55.7	38.1	17.6
02:40 AM - 02:45 AM	51.3	44.5	-	53.3	38.7	14.6
02:45 AM - 02:50 AM	55.3	48.5	-	57.3	37.6	19.7
02:50 AM - 02:55 AM	44.7	37.9	-	46.7	36.2	10.5
02:55 AM - 03:00 AM	50.5	43.7	-	52.5	36.6	15.9
03:00 AM - 03:05 AM	49.8	43.0	-	51.8	37.6	14.2
03:05 AM - 03:10 AM	52.9	46.1	-	54.9	38.7	16.2
03:10 AM - 03:15 AM	48.0	41.2	-	50.0	37.8	12.2
03:15 AM - 03:20 AM	47.6	40.8	-	49.6	37.3	12.3
03:20 AM - 03:25 AM	49.6	42.8	-	51.6	37.6	14.0
03:25 AM - 03:30 AM	47.1	40.3	-	49.1	38.2	10.9
03:30 AM - 03:35 AM	48.0	41.2	-	50.0	37.7	12.3
03:35 AM - 03:40 AM	46.9	40.1	-	48.9	38.0	10.9
03:40 AM - 03:45 AM	49.3	42.5	-	51.3	38.2	13.1
03:45 AM - 03:50 AM	47.9	41.1	-	49.9	37.5	12.4
03:50 AM - 03:55 AM	44.8	38.0	-	46.8	36.9	9.9
03:55 AM - 04:00 AM	46.2	39.4	-	48.2	37.0	11.2
04:00 AM - 04:05 AM	47.2	40.4	-	49.2	37.3	11.9

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Approved by

Wilawan Borirak
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)-018/66
Project Name : Pluak Daeng
Project Location :

Lot ID: 2448811
Date Received :May 16, 2024
Date Reported :May 23, 2024
Report Number : 2997441-1

Sample No. 2448811-1
Parameter เสียงรบกวน
Location บ้านวังตาหม่อน (N1) (GPS 47P 07304083 1432148)
Measurement Date May 07 - 08, 2024
Measurement by Saknarin Jaraskay
Sound Level Meter 920833

ระดับเสียง (dB(A))						
เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าระดับการรบกวน
			กลางวัน	กลางคืน		
04:05 AM - 04:10 AM	49.3	42.5	-	51.3	38.1	13.2
04:10 AM - 04:15 AM	49.6	42.8	-	51.6	37.8	13.8
04:15 AM - 04:20 AM	45.3	38.5	-	47.3	37.2	10.1
04:20 AM - 04:25 AM	44.5	37.7	-	46.5	36.9	9.6
04:25 AM - 04:30 AM	48.9	42.1	-	50.9	37.3	13.6
04:30 AM - 04:35 AM	49.1	42.3	-	51.1	36.7	14.4
04:35 AM - 04:40 AM	45.7	38.9	-	47.7	36.4	11.3
04:40 AM - 04:45 AM	48.5	41.7	-	50.5	37.1	13.4
04:45 AM - 04:50 AM	46.4	39.6	-	48.4	36.4	12.0
04:50 AM - 04:55 AM	50.0	43.2	-	52.0	36.8	15.2
04:55 AM - 05:00 AM	46.2	39.4	-	48.2	36.2	12.0
05:00 AM - 05:05 AM	46.2	39.4	-	48.2	37.0	11.2
05:05 AM - 05:10 AM	47.0	40.2	-	49.0	36.6	12.4
05:10 AM - 05:15 AM	44.6	37.8	-	46.6	36.3	10.3
05:15 AM - 05:20 AM	45.7	38.9	-	47.7	36.9	10.8
05:20 AM - 05:25 AM	44.8	38.0	-	46.8	36.9	9.9
05:25 AM - 05:30 AM	45.1	38.3	-	47.1	36.7	10.4
05:30 AM - 05:35 AM	44.8	38.0	-	46.8	36.9	9.9
05:35 AM - 05:40 AM	46.2	39.4	-	48.2	36.5	11.7
05:40 AM - 05:45 AM	45.0	38.2	-	47.0	37.1	9.9
05:45 AM - 05:50 AM	45.4	38.6	-	47.4	37.0	10.4
05:50 AM - 05:55 AM	46.1	39.3	-	48.1	37.2	10.9
05:55 AM - 06:00 AM	45.3	38.5	-	47.3	36.9	10.4
06:00 AM - 07:00 AM	46.8	40.0	45.8	-	36.9	8.9
07:00 AM - 08:00 AM	46.7	39.9	45.7	-	34.7	11.0
08:00 AM - 09:00 AM	49.9	43.1	48.9	-	35.0	13.9
09:00 AM - 10:00 AM	53.3	46.5	52.3	-	38.4	13.9
10:00 AM - 11:00 AM	59.0	52.2	58.0	-	43.8	14.2
11:00 AM - 12:00 PM	62.2	55.4	61.2	-	45.4	15.8
12:00 PM - 01:00 PM	60.8	54.0	59.8	-	43.4	16.4
01:00 PM - 02:00 PM	61.0	54.2	60.0	-	43.5	16.5
02:00 PM - 03:00 PM	61.8	55.0	60.8	-	43.7	17.1
ค่ามาตรฐาน						≤ 10

Reference Method :
1. ISO 1996-1
2. ประกาศกรมโรงงานอุตสาหกรรม เรื่อง วิธีการตรวจวัดระดับเสียงการรบกวน ระดับเสียงเฉลี่ย 24 ชั่วโมง และระดับเสียงสูงสุดที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2567

มาตรฐาน
1. ประกาศกระทรวงอุตสาหกรรม เรื่อง กำหนดค่าระดับเสียงการรบกวนและระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548
2. ประกาศกระทรวงสาธารณสุข เรื่อง กำหนดค่ามาตรฐานมลพิษทางเสียงอันเกิดจากการประกอบกิจการที่เป็นอันตรายต่อสุขภาพ พ.ศ. 2561

Remark:
1. ระดับเสียงจากแหล่งกำเนิด ทำการตรวจวัด วันที่ 07-08 พฤษภาคม 2567
2. ระดับเสียงพื้นฐานและระดับเสียงขณะไม่มีการรบกวน (Sample No.2448812-1 วันที่ตรวจวัด 07-08 พฤษภาคม 2567)
3. n/a: ไม่สามารถคำนวณระดับเสียงขณะมีการรบกวนเนื่องจากระดับเสียงจากแหล่งกำเนิดน้อยกว่าระดับเสียงขณะไม่มีการรบกวน

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

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

P/O : RJN(2)-018/66
Project Name : Pluak Daeng
Project Location :

Lot ID: 2448811
Date Received :May 16, 2024
Date Reported :May 23, 2024
Report Number : 2997442-1

Sample No. 2448811-2
Parameter เสียงรบกวน
Location บ้านวังตาหม่อน (N1) (GPS 47P 07304083 1432148)
Measurement Date May 08 - 09, 2024
Measurement by Saknarin Jaraskay
Sound Level Meter 920833

ระดับเสียง (dB(A))						
เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าระดับการรบกวน
			กลางวัน	กลางคืน		
03:00 PM - 04:00 PM	62.9	56.1	61.9	-	46.5	15.4
04:00 PM - 05:00 PM	61.3	54.5	60.3	-	43.3	17.0
05:00 PM - 06:00 PM	66.1	59.3	65.1	-	56.8	8.3
06:00 PM - 07:00 PM	60.6	55.9	58.8	-	46.4	12.4
07:00 PM - 08:00 PM	59.9	53.1	58.9	-	46.9	12.0
08:00 PM - 09:00 PM	64.5	57.7	63.5	-	46.8	16.7
09:00 PM - 10:00 PM	64.4	57.6	63.4	-	48.8	14.6
10:00 PM - 10:05 PM	65.6	58.8	-	67.6	47.0	20.6
10:05 PM - 10:10 PM	63.2	66.1	-	n/a	47.3	-
10:10 PM - 10:15 PM	64.2	57.4	-	66.2	44.0	22.2
10:15 PM - 10:20 PM	62.2	55.4	-	64.2	43.2	21.0
10:20 PM - 10:25 PM	57.8	51.0	-	59.8	44.6	15.2
10:25 PM - 10:30 PM	58.4	51.6	-	60.4	45.4	15.0
10:30 PM - 10:35 PM	58.9	52.1	-	60.9	45.4	15.5
10:35 PM - 10:40 PM	62.0	55.2	-	64.0	45.3	18.7
10:40 PM - 10:45 PM	57.2	50.4	-	59.2	45.9	13.3
10:45 PM - 10:50 PM	59.5	52.7	-	61.5	45.5	16.0
10:50 PM - 10:55 PM	57.2	50.4	-	59.2	45.0	14.2
10:55 PM - 11:00 PM	60.3	53.5	-	62.3	45.6	16.7
11:00 PM - 11:05 PM	58.9	52.1	-	60.9	45.4	15.5
11:05 PM - 11:10 PM	58.9	52.1	-	60.9	46.3	14.6
11:10 PM - 11:15 PM	62.2	55.4	-	64.2	45.8	18.4
11:15 PM - 11:20 PM	58.2	51.4	-	60.2	45.6	14.6
11:20 PM - 11:25 PM	64.6	57.8	-	66.6	45.3	21.3
11:25 PM - 11:30 PM	61.0	54.2	-	63.0	43.3	19.7
11:30 PM - 11:35 PM	58.2	51.4	-	60.2	43.0	17.2
11:35 PM - 11:40 PM	57.3	50.5	-	59.3	42.1	17.2
11:40 PM - 11:45 PM	59.3	52.5	-	61.3	42.2	19.1
11:45 PM - 11:50 PM	54.4	47.6	-	56.4	42.4	14.0
11:50 PM - 11:55 PM	54.7	47.9	-	56.7	42.1	14.6
11:55 PM - 12:00 AM	59.3	52.5	-	61.3	41.6	19.7
12:00 AM - 12:05 AM	53.4	46.6	-	55.4	41.5	13.9
12:05 AM - 12:10 AM	58.8	52.0	-	60.8	41.7	19.1
12:10 AM - 12:15 AM	66.7	59.9	-	68.7	43.8	24.9
12:15 AM - 12:20 AM	56.8	50.0	-	58.8	44.0	14.8
12:20 AM - 12:25 AM	58.4	51.6	-	60.4	44.3	16.1
12:25 AM - 12:30 AM	56.0	49.2	-	58.0	44.6	13.4
12:30 AM - 12:35 AM	62.9	56.1	-	64.9	45.2	19.7
12:35 AM - 12:40 AM	56.3	49.5	-	58.3	42.4	15.9
12:40 AM - 12:45 AM	56.7	49.9	-	58.7	43.4	15.3

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Approved by

Wilawan Borirak
Manager

Analysis / Test Report

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

Lot ID: 2448811
Date Received :May 16, 2024
Date Reported :May 23, 2024
Report Number : 2997442-1

P/O : RJN(2)-018/66
Project Name : Pluak Daeng
Project Location :

Sample No. 2448811-2
Parameter เสียงรบกวน
Location บ้านวังตาหม่อน (N1) (GPS 47P 07304083 1432148)
Measurement Date May 08 - 09, 2024
Measurement by Saknarin Jaraskay
Sound Level Meter 920833

ระดับเสียง (dB(A))						
เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าระดับการรบกวน
			กลางวัน	กลางคืน		
12:45 AM - 12:50 AM	56.5	49.7	-	58.5	44.4	14.1
12:50 AM - 12:55 AM	55.1	48.3	-	57.1	42.4	14.7
12:55 AM - 01:00 AM	52.0	45.2	-	54.0	42.3	11.7
01:00 AM - 01:05 AM	55.8	49.0	-	57.8	41.4	16.4
01:05 AM - 01:10 AM	52.1	45.3	-	54.1	41.0	13.1
01:10 AM - 01:15 AM	54.4	47.6	-	56.4	41.4	15.0
01:15 AM - 01:20 AM	51.9	45.1	-	53.9	40.9	13.0
01:20 AM - 01:25 AM	51.6	44.8	-	53.6	40.1	13.5
01:25 AM - 01:30 AM	50.0	43.2	-	52.0	39.6	12.4
01:30 AM - 01:35 AM	52.8	46.0	-	54.8	39.7	15.1
01:35 AM - 01:40 AM	51.2	44.4	-	53.2	39.8	13.4
01:40 AM - 01:45 AM	68.9	62.1	-	70.9	41.3	29.6
01:45 AM - 01:50 AM	67.5	60.7	-	69.5	44.2	25.3
01:50 AM - 01:55 AM	65.2	58.4	-	67.2	42.0	25.2
01:55 AM - 02:00 AM	59.7	52.9	-	61.7	42.7	19.0
02:00 AM - 02:05 AM	53.9	47.1	-	55.9	40.3	15.6
02:05 AM - 02:10 AM	50.3	43.5	-	52.3	38.8	13.5
02:10 AM - 02:15 AM	58.3	51.5	-	60.3	39.9	20.4
02:15 AM - 02:20 AM	52.7	45.9	-	54.7	40.2	14.5
02:20 AM - 02:25 AM	52.7	45.9	-	54.7	39.6	15.1
02:25 AM - 02:30 AM	54.8	48.0	-	56.8	39.7	17.1
02:30 AM - 02:35 AM	53.4	46.6	-	55.4	40.2	15.2
02:35 AM - 02:40 AM	55.6	48.8	-	57.6	40.6	17.0
02:40 AM - 02:45 AM	51.3	44.5	-	53.3	39.4	13.9
02:45 AM - 02:50 AM	51.0	44.2	-	53.0	40.0	13.0
02:50 AM - 02:55 AM	49.6	42.8	-	51.6	39.5	12.1
02:55 AM - 03:00 AM	52.4	45.6	-	54.4	39.4	15.0
03:00 AM - 03:05 AM	53.4	46.6	-	55.4	39.6	15.8
03:05 AM - 03:10 AM	54.6	47.8	-	56.6	39.6	17.0
03:10 AM - 03:15 AM	53.2	46.4	-	55.2	39.9	15.3
03:15 AM - 03:20 AM	50.7	43.9	-	52.7	39.0	13.7
03:20 AM - 03:25 AM	50.3	43.5	-	52.3	38.4	13.9
03:25 AM - 03:30 AM	52.8	46.0	-	54.8	39.3	15.5
03:30 AM - 03:35 AM	52.6	45.8	-	54.6	39.5	15.1
03:35 AM - 03:40 AM	49.2	42.4	-	51.2	38.2	13.0
03:40 AM - 03:45 AM	52.7	45.9	-	54.7	37.5	17.2
03:45 AM - 03:50 AM	47.9	41.1	-	49.9	37.2	12.7
03:50 AM - 03:55 AM	48.4	41.6	-	50.4	38.1	12.3
03:55 AM - 04:00 AM	48.6	41.8	-	50.6	37.9	12.7
04:00 AM - 04:05 AM	53.2	46.4	-	55.2	38.7	16.5

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Approved by

Wilawan Borirak
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)-018/66
Project Name : Pluak Daeng
Project Location :

Lot ID: 2448811
Date Received :May 16, 2024
Date Reported :May 23, 2024
Report Number : 2997442-1

Sample No. 2448811-2
Parameter เสียงรบกวน
Location บ้านวังตาหม่อน (N1) (GPS 47P 07304083 1432148)
Measurement Date May 08 - 09, 2024
Measurement by Saknarin Jaraskay
Sound Level Meter 920833

ระดับเสียง (dB(A))						
เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าระดับการรบกวน
			กลางวัน	กลางคืน		
04:05 AM - 04:10 AM	47.5	40.7	-	49.5	38.1	11.4
04:10 AM - 04:15 AM	48.0	41.2	-	50.0	38.0	12.0
04:15 AM - 04:20 AM	48.6	41.8	-	50.6	38.5	12.1
04:20 AM - 04:25 AM	46.8	40.0	-	48.8	37.9	10.9
04:25 AM - 04:30 AM	50.1	43.3	-	52.1	38.4	13.7
04:30 AM - 04:35 AM	47.9	41.1	-	49.9	38.1	11.8
04:35 AM - 04:40 AM	48.2	41.4	-	50.2	37.6	12.6
04:40 AM - 04:45 AM	46.3	39.5	-	48.3	38.1	10.2
04:45 AM - 04:50 AM	50.4	43.6	-	52.4	38.0	14.4
04:50 AM - 04:55 AM	48.3	41.5	-	50.3	37.5	12.8
04:55 AM - 05:00 AM	50.3	43.5	-	52.3	37.3	15.0
05:00 AM - 05:05 AM	51.7	44.9	-	53.7	38.7	15.0
05:05 AM - 05:10 AM	47.9	41.1	-	49.9	38.2	11.7
05:10 AM - 05:15 AM	46.8	40.0	-	48.8	38.9	9.9
05:15 AM - 05:20 AM	48.0	41.2	-	50.0	38.6	11.4
05:20 AM - 05:25 AM	50.2	43.4	-	52.2	38.7	13.5
05:25 AM - 05:30 AM	46.4	39.6	-	48.4	38.5	9.9
05:30 AM - 05:35 AM	58.4	51.6	-	60.4	39.4	21.0
05:35 AM - 05:40 AM	48.6	41.8	-	50.6	39.1	11.5
05:40 AM - 05:45 AM	46.6	39.8	-	48.6	38.3	10.3
05:45 AM - 05:50 AM	49.6	42.8	-	51.6	40.4	11.2
05:50 AM - 05:55 AM	48.6	41.8	-	50.6	40.6	10.0
05:55 AM - 06:00 AM	48.4	41.6	-	50.4	39.9	10.5
06:00 AM - 07:00 AM	48.9	42.1	47.9	-	37.9	10.0
07:00 AM - 08:00 AM	48.7	41.9	47.7	-	39.0	8.7
08:00 AM - 09:00 AM	52.8	46.0	51.8	-	39.3	12.5
09:00 AM - 10:00 AM	58.5	51.7	57.5	-	44.5	13.0
10:00 AM - 11:00 AM	64.5	58.7	63.2	-	48.5	14.7
11:00 AM - 12:00 PM	65.5	58.7	64.5	-	50.3	14.2
12:00 PM - 01:00 PM	64.5	57.7	63.5	-	48.3	15.2
01:00 PM - 02:00 PM	63.7	56.9	62.7	-	46.2	16.5
02:00 PM - 03:00 PM	63.2	58.2	61.5	-	45.7	15.8
ค่ามาตรฐาน						≤ 10

Reference Method :
1. ISO 1996-1
2. ประกาศกรมโรงงานอุตสาหกรรม เรื่อง วิธีการตรวจวัดระดับเสียงการรบกวน ระดับเสียงเฉลี่ย 24 ชั่วโมง และระดับเสียงสูงสุดที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2567

มาตรฐาน
1. ประกาศกระทรวงอุตสาหกรรม เรื่อง กำหนดค่าระดับเสียงการรบกวนและระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548
2. ประกาศกระทรวงสาธารณสุข เรื่อง กำหนดค่ามาตรฐานมลพิษทางเสียงอันเกิดจากการประกอบกิจการที่เป็นอันตรายต่อสุขภาพ พ.ศ. 2561

Remark:
1. ระดับเสียงจากแหล่งกำเนิด ทำการตรวจวัด วันที่ 08-09 พฤษภาคม 2567
2. ระดับเสียงพื้นฐานและระดับเสียงขณะไม่มีการรบกวน (Sample No.2448812-2 วันที่ตรวจวัด 08-09 พฤษภาคม 2567)
3. n/a: ไม่สามารถคำนวณระดับเสียงขณะมีการรบกวนเนื่องจากระดับเสียงจากแหล่งกำเนิดน้อยกว่าระดับเสียงขณะไม่มีการรบกวน

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

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

P/O : RJN(2)-018/66
Project Name : Pluak Daeng
Project Location :

Lot ID: 2448811
Date Received :May 16, 2024
Date Reported :May 23, 2024
Report Number : 2997443-1

Sample No. 2448811-3
Parameter เสียงรบกวน
Location บ้านวังตาหม่อน (N1) (GPS 47P 07304083 1432148)
Measurement Date May 09 - 10, 2024
Measurement by Saknarin Jaraskay
Sound Level Meter 920833

ระดับเสียง (dB(A))						
เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าระดับการรบกวน
			กลางวัน	กลางคืน		
03:00 PM - 04:00 PM	65.5	59.9	64.1	-	45.0	19.1
04:00 PM - 05:00 PM	63.2	58.0	61.6	-	44.5	17.1
05:00 PM - 06:00 PM	63.1	57.7	61.6	-	45.3	16.3
06:00 PM - 07:00 PM	65.5	60.1	64.0	-	46.4	17.6
07:00 PM - 08:00 PM	65.1	60.9	63.0	-	47.0	16.0
08:00 PM - 09:00 PM	66.0	59.9	64.8	-	46.2	18.6
09:00 PM - 10:00 PM	64.3	59.0	62.8	-	50.1	12.7
10:00 PM - 10:05 PM	60.9	54.1	-	62.9	45.8	17.1
10:05 PM - 10:10 PM	62.6	55.8	-	64.6	45.7	18.9
10:10 PM - 10:15 PM	57.4	50.6	-	59.4	44.3	15.1
10:15 PM - 10:20 PM	58.5	51.7	-	60.5	47.5	13.0
10:20 PM - 10:25 PM	62.2	55.4	-	64.2	47.4	16.8
10:25 PM - 10:30 PM	60.1	53.3	-	62.1	47.5	14.6
10:30 PM - 10:35 PM	64.3	57.5	-	66.3	47.7	18.6
10:35 PM - 10:40 PM	58.1	51.3	-	60.1	46.5	13.6
10:40 PM - 10:45 PM	58.5	51.7	-	60.5	46.9	13.6
10:45 PM - 10:50 PM	59.4	52.6	-	61.4	46.2	15.2
10:50 PM - 10:55 PM	60.3	53.5	-	62.3	46.9	15.4
10:55 PM - 11:00 PM	61.5	54.7	-	63.5	47.7	15.8
11:00 PM - 11:05 PM	62.0	55.2	-	64.0	48.3	15.7
11:05 PM - 11:10 PM	61.5	54.7	-	63.5	46.1	17.4
11:10 PM - 11:15 PM	62.4	55.6	-	64.4	46.1	18.3
11:15 PM - 11:20 PM	60.0	53.2	-	62.0	45.6	16.4
11:20 PM - 11:25 PM	59.5	52.7	-	61.5	45.1	16.4
11:25 PM - 11:30 PM	61.0	54.2	-	63.0	45.5	17.5
11:30 PM - 11:35 PM	59.4	52.6	-	61.4	45.1	16.3
11:35 PM - 11:40 PM	56.8	50.0	-	58.8	43.6	15.2
11:40 PM - 11:45 PM	63.1	56.3	-	65.1	46.3	18.8
11:45 PM - 11:50 PM	60.5	53.7	-	62.5	43.9	18.6
11:50 PM - 11:55 PM	61.8	55.0	-	63.8	45.3	18.5
11:55 PM - 12:00 AM	57.0	50.2	-	59.0	44.4	14.6
12:00 AM - 12:05 AM	61.3	54.5	-	63.3	45.8	17.5
12:05 AM - 12:10 AM	60.3	53.5	-	62.3	46.5	15.8
12:10 AM - 12:15 AM	59.1	52.3	-	61.1	46.5	14.6
12:15 AM - 12:20 AM	58.3	51.5	-	60.3	47.0	13.3
12:20 AM - 12:25 AM	61.3	54.5	-	63.3	46.4	16.9
12:25 AM - 12:30 AM	58.0	51.2	-	60.0	47.4	12.6
12:30 AM - 12:35 AM	60.5	53.7	-	62.5	46.6	15.9
12:35 AM - 12:40 AM	57.5	50.7	-	59.5	46.3	13.2
12:40 AM - 12:45 AM	58.6	51.8	-	60.6	43.8	16.8

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Approved by

Wilawan Borirak
Manager

Analysis / Test Report

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

Lot ID: 2448811
Date Received :May 16, 2024
Date Reported :May 23, 2024
Report Number : 2997443-1

P/O : RJN(2)-018/66
Project Name : Pluak Daeng
Project Location :

Sample No. 2448811-3
Parameter เสียงรบกวน
Location บ้านวังตาหม่อน (N1) (GPS 47P 07304083 1432148)
Measurement Date May 09 - 10, 2024
Measurement by Saknarin Jaraskay
Sound Level Meter 920833

ระดับเสียง (dB(A))						
เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าระดับการรบกวน
			กลางวัน	กลางคืน		
12:45 AM - 12:50 AM	62.2	55.4	-	64.2	46.1	18.1
12:50 AM - 12:55 AM	59.1	52.3	-	61.1	43.1	18.0
12:55 AM - 01:00 AM	66.1	59.3	-	68.1	44.6	23.5
01:00 AM - 01:05 AM	53.7	46.9	-	55.7	42.9	12.8
01:05 AM - 01:10 AM	53.3	46.5	-	55.3	42.8	12.5
01:10 AM - 01:15 AM	54.3	47.5	-	56.3	43.3	13.0
01:15 AM - 01:20 AM	56.1	49.3	-	58.1	43.1	15.0
01:20 AM - 01:25 AM	57.1	50.3	-	59.1	42.7	16.4
01:25 AM - 01:30 AM	53.9	47.1	-	55.9	41.7	14.2
01:30 AM - 01:35 AM	55.3	48.5	-	57.3	41.6	15.7
01:35 AM - 01:40 AM	56.0	49.2	-	58.0	41.4	16.6
01:40 AM - 01:45 AM	51.9	45.1	-	53.9	40.8	13.1
01:45 AM - 01:50 AM	57.4	50.6	-	59.4	42.5	16.9
01:50 AM - 01:55 AM	54.3	47.5	-	56.3	41.9	14.4
01:55 AM - 02:00 AM	56.3	49.5	-	58.3	42.7	15.6
02:00 AM - 02:05 AM	54.3	47.5	-	56.3	42.5	13.8
02:05 AM - 02:10 AM	51.6	44.8	-	53.6	41.7	11.9
02:10 AM - 02:15 AM	54.2	47.4	-	56.2	41.7	14.5
02:15 AM - 02:20 AM	51.9	45.1	-	53.9	41.2	12.7
02:20 AM - 02:25 AM	56.1	49.3	-	58.1	41.8	16.3
02:25 AM - 02:30 AM	53.5	46.7	-	55.5	41.4	14.1
02:30 AM - 02:35 AM	54.1	47.3	-	56.1	42.4	13.7
02:35 AM - 02:40 AM	57.2	50.4	-	59.2	41.6	17.6
02:40 AM - 02:45 AM	54.8	48.0	-	56.8	42.2	14.6
02:45 AM - 02:50 AM	58.8	52.0	-	60.8	41.1	19.7
02:50 AM - 02:55 AM	48.2	41.4	-	50.2	39.7	10.5
02:55 AM - 03:00 AM	54.0	47.2	-	56.0	40.1	15.9
03:00 AM - 03:05 AM	53.3	46.5	-	55.3	41.1	14.2
03:05 AM - 03:10 AM	56.4	49.6	-	58.4	42.2	16.2
03:10 AM - 03:15 AM	51.5	44.7	-	53.5	41.3	12.2
03:15 AM - 03:20 AM	51.1	44.3	-	53.1	40.8	12.3
03:20 AM - 03:25 AM	53.1	46.3	-	55.1	41.1	14.0
03:25 AM - 03:30 AM	50.6	43.8	-	52.6	41.7	10.9
03:30 AM - 03:35 AM	51.5	44.7	-	53.5	41.2	12.3
03:35 AM - 03:40 AM	50.4	43.6	-	52.4	41.5	10.9
03:40 AM - 03:45 AM	52.8	46.0	-	54.8	41.7	13.1
03:45 AM - 03:50 AM	51.4	44.6	-	53.4	41.0	12.4
03:50 AM - 03:55 AM	48.3	41.5	-	50.3	40.4	9.9
03:55 AM - 04:00 AM	49.7	42.9	-	51.7	40.5	11.2
04:00 AM - 04:05 AM	50.7	43.9	-	52.7	40.8	11.9

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Approved by

Wilawan Borirak
Manager

Analysis / Test Report

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

Lot ID: 2448811
Date Received :May 16, 2024
Date Reported :May 23, 2024
Report Number : 2997443-1

P/O : RJN(2)-018/66
Project Name : Pluak Daeng
Project Location :

Sample No. 2448811-3
Parameter เสียงรบกวน
Location บ้านวังตาหม่อน (N1) (GPS 47P 07304083 1432148)
Measurement Date May 09 - 10, 2024
Measurement by Saknarin Jaraskay
Sound Level Meter 920833

ระดับเสียง (dB(A))						
เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าระดับการรบกวน
			กลางวัน	กลางคืน		
04:05 AM - 04:10 AM	52.8	46.0	-	54.8	41.6	13.2
04:10 AM - 04:15 AM	53.1	46.3	-	55.1	41.3	13.8
04:15 AM - 04:20 AM	48.8	42.0	-	50.8	40.7	10.1
04:20 AM - 04:25 AM	48.0	41.2	-	50.0	40.4	9.6
04:25 AM - 04:30 AM	52.4	45.6	-	54.4	40.8	13.6
04:30 AM - 04:35 AM	52.6	45.8	-	54.6	40.2	14.4
04:35 AM - 04:40 AM	49.2	42.4	-	51.2	39.9	11.3
04:40 AM - 04:45 AM	52.0	45.2	-	54.0	40.6	13.4
04:45 AM - 04:50 AM	49.9	43.1	-	51.9	39.9	12.0
04:50 AM - 04:55 AM	53.5	46.7	-	55.5	40.3	15.2
04:55 AM - 05:00 AM	49.7	42.9	-	51.7	39.7	12.0
05:00 AM - 05:05 AM	49.7	42.9	-	51.7	40.5	11.2
05:05 AM - 05:10 AM	50.5	43.7	-	52.5	40.1	12.4
05:10 AM - 05:15 AM	48.1	41.3	-	50.1	39.8	10.3
05:15 AM - 05:20 AM	49.2	42.4	-	51.2	40.4	10.8
05:20 AM - 05:25 AM	48.3	41.5	-	50.3	40.4	9.9
05:25 AM - 05:30 AM	48.6	41.8	-	50.6	40.2	10.4
05:30 AM - 05:35 AM	48.3	41.5	-	50.3	40.4	9.9
05:35 AM - 05:40 AM	49.7	42.9	-	51.7	40.0	11.7
05:40 AM - 05:45 AM	48.5	41.7	-	50.5	40.6	9.9
05:45 AM - 05:50 AM	48.9	42.1	-	50.9	40.5	10.4
05:50 AM - 05:55 AM	49.6	42.8	-	51.6	40.7	10.9
05:55 AM - 06:00 AM	48.8	42.0	-	50.8	40.4	10.4
06:00 AM - 07:00 AM	50.3	43.5	49.3	-	40.4	8.9
07:00 AM - 08:00 AM	50.2	43.4	49.2	-	38.2	11.0
08:00 AM - 09:00 AM	53.4	46.6	52.4	-	38.5	13.9
09:00 AM - 10:00 AM	56.8	50.0	55.8	-	41.9	13.9
10:00 AM - 11:00 AM	62.5	55.7	61.5	-	47.3	14.2
11:00 AM - 12:00 PM	65.7	58.9	64.7	-	48.9	15.8
12:00 PM - 01:00 PM	64.3	57.5	63.3	-	46.9	16.4
01:00 PM - 02:00 PM	64.5	57.7	63.5	-	47.0	16.5
02:00 PM - 03:00 PM	63.6	58.5	62.0	-	47.2	14.8
ค่ามาตรฐาน						≤ 10

Reference Method :
1. ISO 1996-1
2. ประกาศกรมโรงงานอุตสาหกรรม เรื่อง วิธีการตรวจวัดระดับเสียงการรบกวน ระดับเสียงเฉลี่ย 24 ชั่วโมง และระดับเสียงสูงสุดที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2567

มาตรฐาน
1. ประกาศกระทรวงอุตสาหกรรม เรื่อง กำหนดค่าระดับเสียงการรบกวนและระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548
2. ประกาศกระทรวงสาธารณสุข เรื่อง กำหนดค่ามาตรฐานมลพิษทางเสียงอันเกิดจากการประกอบกิจการที่เป็นอันตรายต่อสุขภาพ พ.ศ. 2561

Remark:
1. ระดับเสียงจากแหล่งกำเนิด ทำการตรวจวัด วันที่ 09-10 พฤษภาคม 2567
2. ระดับเสียงพื้นฐานและระดับเสียงขณะไม่มีการรบกวน (Sample No.2448812-3 วันที่ตรวจวัด 09-10 พฤษภาคม 2567)
3. n/a: ไม่สามารถคำนวณระดับเสียงขณะมีการรบกวนเนื่องจากระดับเสียงจากแหล่งกำเนิดน้อยกว่าระดับเสียงขณะไม่มีการรบกวน

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Approved by

Wilawan Borirak
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)-018/66
Project Name : Pluak Daeng
Project Location :

Lot ID: 2448811
Date Received :May 16, 2024
Date Reported :May 23, 2024
Report Number : 2997444-1

Sample No. 2448811-4
Parameter เสียงรบกวน
Location บ้านวังตาหม่อน (N1) (GPS 47P 07304083 1432148)
Measurement Date May 10 - 11, 2024
Measurement by Saknarin Jaraskay
Sound Level Meter 920833

ระดับเสียง (dB(A))						
เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าระดับการรบกวน
			กลางวัน	กลางคืน		
03:00 PM - 04:00 PM	65.4	59.6	64.1	-	50.0	14.1
04:00 PM - 05:00 PM	61.5	58.0	58.9	-	46.8	12.1
05:00 PM - 06:00 PM	62.6	62.8	n/a	-	60.3	-
06:00 PM - 07:00 PM	64.3	57.5	63.3	-	49.5	13.8
07:00 PM - 08:00 PM	63.4	56.6	62.4	-	50.4	12.0
08:00 PM - 09:00 PM	66.9	60.1	65.9	-	50.1	15.8
09:00 PM - 10:00 PM	66.7	61.1	65.3	-	52.4	12.9
10:00 PM - 10:05 PM	69.1	62.3	-	71.1	50.5	20.6
10:05 PM - 10:10 PM	69.4	62.6	-	71.4	50.8	20.6
10:10 PM - 10:15 PM	67.7	60.9	-	69.7	47.5	22.2
10:15 PM - 10:20 PM	65.7	58.9	-	67.7	46.7	21.0
10:20 PM - 10:25 PM	61.3	54.5	-	63.3	48.1	15.2
10:25 PM - 10:30 PM	61.9	55.1	-	63.9	48.9	15.0
10:30 PM - 10:35 PM	62.4	55.6	-	64.4	48.9	15.5
10:35 PM - 10:40 PM	65.5	58.7	-	67.5	48.8	18.7
10:40 PM - 10:45 PM	60.7	53.9	-	62.7	49.4	13.3
10:45 PM - 10:50 PM	63.0	56.2	-	65.0	49.0	16.0
10:50 PM - 10:55 PM	60.7	53.9	-	62.7	48.5	14.2
10:55 PM - 11:00 PM	63.8	57.0	-	65.8	49.1	16.7
11:00 PM - 11:05 PM	62.4	55.6	-	64.4	48.9	15.5
11:05 PM - 11:10 PM	62.4	55.6	-	64.4	49.8	14.6
11:10 PM - 11:15 PM	65.7	58.9	-	67.7	49.3	18.4
11:15 PM - 11:20 PM	61.7	54.9	-	63.7	49.1	14.6
11:20 PM - 11:25 PM	68.1	61.3	-	70.1	48.8	21.3
11:25 PM - 11:30 PM	64.5	57.7	-	66.5	46.8	19.7
11:30 PM - 11:35 PM	61.7	54.9	-	63.7	46.5	17.2
11:35 PM - 11:40 PM	60.8	54.0	-	62.8	45.6	17.2
11:40 PM - 11:45 PM	62.8	56.0	-	64.8	45.7	19.1
11:45 PM - 11:50 PM	57.9	51.1	-	59.9	45.9	14.0
11:50 PM - 11:55 PM	58.2	51.4	-	60.2	45.6	14.6
11:55 PM - 12:00 AM	62.8	56.0	-	64.8	45.1	19.7
12:00 AM - 12:05 AM	56.9	50.1	-	58.9	45.0	13.9
12:05 AM - 12:10 AM	62.3	55.5	-	64.3	45.2	19.1
12:10 AM - 12:15 AM	62.5	63.4	-	n/a	47.3	-
12:15 AM - 12:20 AM	60.3	53.5	-	62.3	47.5	14.8
12:20 AM - 12:25 AM	61.9	55.1	-	63.9	47.8	16.1
12:25 AM - 12:30 AM	59.5	52.7	-	61.5	48.1	13.4
12:30 AM - 12:35 AM	66.4	59.6	-	68.4	48.7	19.7
12:35 AM - 12:40 AM	59.8	53.0	-	61.8	45.9	15.9
12:40 AM - 12:45 AM	60.2	53.4	-	62.2	46.9	15.3

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Approved by

Wilawan Borirak
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)-018/66
Project Name : Pluak Daeng
Project Location :

Lot ID: 2448811
Date Received :May 16, 2024
Date Reported :May 23, 2024
Report Number : 2997444-1

Sample No. 2448811-4
Parameter เสียงรบกวน
Location บ้านวังตาหม่อน (N1) (GPS 47P 07304083 1432148)
Measurement Date May 10 - 11, 2024
Measurement by Saknarin Jaraskay
Sound Level Meter 920833

ระดับเสียง (dB(A))						
เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าระดับการรบกวน
			กลางวัน	กลางคืน		
12:45 AM - 12:50 AM	60.0	53.2	-	62.0	47.9	14.1
12:50 AM - 12:55 AM	58.6	51.8	-	60.6	45.9	14.7
12:55 AM - 01:00 AM	55.5	48.7	-	57.5	45.8	11.7
01:00 AM - 01:05 AM	59.3	52.5	-	61.3	44.9	16.4
01:05 AM - 01:10 AM	55.6	48.8	-	57.6	44.5	13.1
01:10 AM - 01:15 AM	57.9	51.1	-	59.9	44.9	15.0
01:15 AM - 01:20 AM	55.4	48.6	-	57.4	44.4	13.0
01:20 AM - 01:25 AM	55.1	48.3	-	57.1	43.6	13.5
01:25 AM - 01:30 AM	53.5	46.7	-	55.5	43.1	12.4
01:30 AM - 01:35 AM	56.3	49.5	-	58.3	43.2	15.1
01:35 AM - 01:40 AM	54.7	47.9	-	56.7	43.3	13.4
01:40 AM - 01:45 AM	57.3	65.6	-	n/a	44.8	-
01:45 AM - 01:50 AM	54.2	64.2	-	n/a	47.7	-
01:50 AM - 01:55 AM	68.7	61.9	-	70.7	45.5	25.2
01:55 AM - 02:00 AM	63.2	56.4	-	65.2	46.2	19.0
02:00 AM - 02:05 AM	57.4	50.6	-	59.4	43.8	15.6
02:05 AM - 02:10 AM	53.8	47.0	-	55.8	42.3	13.5
02:10 AM - 02:15 AM	61.8	55.0	-	63.8	43.4	20.4
02:15 AM - 02:20 AM	56.2	49.4	-	58.2	43.7	14.5
02:20 AM - 02:25 AM	56.2	49.4	-	58.2	43.1	15.1
02:25 AM - 02:30 AM	58.3	51.5	-	60.3	43.2	17.1
02:30 AM - 02:35 AM	56.9	50.1	-	58.9	43.7	15.2
02:35 AM - 02:40 AM	59.1	52.3	-	61.1	44.1	17.0
02:40 AM - 02:45 AM	54.8	48.0	-	56.8	42.9	13.9
02:45 AM - 02:50 AM	54.5	47.7	-	56.5	43.5	13.0
02:50 AM - 02:55 AM	53.1	46.3	-	55.1	43.0	12.1
02:55 AM - 03:00 AM	55.9	49.1	-	57.9	42.9	15.0
03:00 AM - 03:05 AM	56.9	50.1	-	58.9	43.1	15.8
03:05 AM - 03:10 AM	58.1	51.3	-	60.1	43.1	17.0
03:10 AM - 03:15 AM	56.7	49.9	-	58.7	43.4	15.3
03:15 AM - 03:20 AM	54.2	47.4	-	56.2	42.5	13.7
03:20 AM - 03:25 AM	53.8	47.0	-	55.8	41.9	13.9
03:25 AM - 03:30 AM	56.3	49.5	-	58.3	42.8	15.5
03:30 AM - 03:35 AM	55.0	48.2	-	57.0	41.9	15.1
03:35 AM - 03:40 AM	51.6	44.8	-	53.6	40.6	13.0
03:40 AM - 03:45 AM	55.1	48.3	-	57.1	39.9	17.2
03:45 AM - 03:50 AM	50.3	43.5	-	52.3	39.6	12.7
03:50 AM - 03:55 AM	50.8	44.0	-	52.8	40.5	12.3
03:55 AM - 04:00 AM	51.0	44.2	-	53.0	40.3	12.7
04:00 AM - 04:05 AM	55.6	48.8	-	57.6	41.1	16.5

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

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

Lot ID: 2448811
Date Received :May 16, 2024
Date Reported :May 23, 2024
Report Number : 2997444-1

P/O : RJN(2)-018/66
Project Name : Pluak Daeng
Project Location :

Sample No. 2448811-4
Parameter เสียงรบกวน
Location บ้านวังตาหม่อน (N1) (GPS 47P 07304083 1432148)
Measurement Date May 10 - 11, 2024
Measurement by Saknarin Jaraskay
Sound Level Meter 920833

ระดับเสียง (dB(A))						
เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าระดับการรบกวน
			กลางวัน	กลางคืน		
04:05 AM - 04:10 AM	49.9	43.1	-	51.9	40.5	11.4
04:10 AM - 04:15 AM	50.4	43.6	-	52.4	40.4	12.0
04:15 AM - 04:20 AM	51.0	44.2	-	53.0	40.9	12.1
04:20 AM - 04:25 AM	49.2	42.4	-	51.2	40.3	10.9
04:25 AM - 04:30 AM	52.5	45.7	-	54.5	40.8	13.7
04:30 AM - 04:35 AM	50.3	43.5	-	52.3	40.5	11.8
04:35 AM - 04:40 AM	50.6	43.8	-	52.6	40.0	12.6
04:40 AM - 04:45 AM	48.7	41.9	-	50.7	40.5	10.2
04:45 AM - 04:50 AM	52.8	46.0	-	54.8	40.4	14.4
04:50 AM - 04:55 AM	50.7	43.9	-	52.7	39.9	12.8
04:55 AM - 05:00 AM	52.7	45.9	-	54.7	39.7	15.0
05:00 AM - 05:05 AM	54.1	47.3	-	56.1	41.1	15.0
05:05 AM - 05:10 AM	50.3	43.5	-	52.3	40.6	11.7
05:10 AM - 05:15 AM	49.2	42.4	-	51.2	41.3	9.9
05:15 AM - 05:20 AM	50.4	43.6	-	52.4	41.0	11.4
05:20 AM - 05:25 AM	52.6	45.8	-	54.6	41.1	13.5
05:25 AM - 05:30 AM	48.8	42.0	-	50.8	40.9	9.9
05:30 AM - 05:35 AM	60.8	54.0	-	62.8	41.8	21.0
05:35 AM - 05:40 AM	51.0	44.2	-	53.0	41.5	11.5
05:40 AM - 05:45 AM	49.0	42.2	-	51.0	40.7	10.3
05:45 AM - 05:50 AM	52.0	45.2	-	54.0	42.8	11.2
05:50 AM - 05:55 AM	51.0	44.2	-	53.0	43.0	10.0
05:55 AM - 06:00 AM	50.8	44.0	-	52.8	42.3	10.5
06:00 AM - 07:00 AM	51.3	44.5	50.3	-	40.3	10.0
07:00 AM - 08:00 AM	51.1	44.3	50.1	-	41.4	8.7
08:00 AM - 09:00 AM	55.2	48.4	54.2	-	41.7	12.5
09:00 AM - 10:00 AM	60.9	54.1	59.9	-	46.9	13.0
10:00 AM - 11:00 AM	64.8	61.1	62.4	-	50.9	11.5
11:00 AM - 12:00 PM	67.4	61.1	66.2	-	52.7	13.5
12:00 PM - 01:00 PM	65.9	60.1	64.6	-	50.7	13.9
01:00 PM - 02:00 PM	65.0	59.3	63.6	-	48.6	15.0
02:00 PM - 03:00 PM	64.6	58.8	63.3	-	47.9	15.4
ค่ามาตรฐาน						≤ 10

Reference Method :
1. ISO 1996-1
2. ประกาศกรมโรงงานอุตสาหกรรม เรื่อง วิธีการตรวจวัดระดับเสียงการรบกวน ระดับเสียงเฉลี่ย 24 ชั่วโมง และระดับเสียงสูงสุดที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2567

มาตรฐาน
1. ประกาศกระทรวงอุตสาหกรรม เรื่อง กำหนดค่าระดับเสียงการรบกวนและระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548
2. ประกาศกระทรวงสาธารณสุข เรื่อง กำหนดค่ามาตรฐานมลพิษทางเสียงอันเกิดจากการประกอบกิจการที่เป็นอันตรายต่อสุขภาพ พ.ศ. 2561

Remark:
1. ระดับเสียงจากแหล่งกำเนิด ทำการตรวจวัด วันที่ 10-11 พฤษภาคม 2567
2. ระดับเสียงพื้นฐานและระดับเสียงขณะไม่มีการรบกวน (Sample No.2448812-4 วันที่ตรวจวัด 10-11 พฤษภาคม 2567)
3. n/a: ไม่สามารถคำนวณระดับเสียงขณะมีการรบกวนเนื่องจากระดับเสียงจากแหล่งกำเนิดน้อยกว่าระดับเสียงขณะไม่มีการรบกวน

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

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

P/O : RJN(2)-018/66
Project Name : Pluak Daeng
Project Location :

Lot ID: 2448811
Date Received :May 16, 2024
Date Reported :May 23, 2024
Report Number : 2997445-1

Sample No. 2448811-5
Parameter เสียงรบกวน
Location บ้านวังตาหม่อน (N1) (GPS 47P 07304083 1432148)
Measurement Date May 11 - 12, 2024
Measurement by Saknarin Jaraskay
Sound Level Meter 920833

ระดับเสียง (dB(A))						
เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าระดับการรบกวน
			กลางวัน	กลางคืน		
03:00 PM - 04:00 PM	64.5	58.5	63.2	-	43.6	19.6
04:00 PM - 05:00 PM	61.7	56.6	60.1	-	43.1	17.0
05:00 PM - 06:00 PM	63.1	56.3	62.1	-	43.9	18.2
06:00 PM - 07:00 PM	65.5	58.7	64.5	-	45.0	19.5
07:00 PM - 08:00 PM	65.3	59.5	64.0	-	45.6	18.4
08:00 PM - 09:00 PM	65.3	58.5	64.3	-	44.8	19.5
09:00 PM - 10:00 PM	62.8	57.6	61.2	-	48.7	12.5
10:00 PM - 10:05 PM	59.5	52.7	-	61.5	44.4	17.1
10:05 PM - 10:10 PM	61.2	54.4	-	63.2	44.3	18.9
10:10 PM - 10:15 PM	56.0	49.2	-	58.0	42.9	15.1
10:15 PM - 10:20 PM	57.1	50.3	-	59.1	46.1	13.0
10:20 PM - 10:25 PM	60.8	54.0	-	62.8	46.0	16.8
10:25 PM - 10:30 PM	58.7	51.9	-	60.7	46.1	14.6
10:30 PM - 10:35 PM	62.9	56.1	-	64.9	46.3	18.6
10:35 PM - 10:40 PM	56.7	49.9	-	58.7	45.1	13.6
10:40 PM - 10:45 PM	57.1	50.3	-	59.1	45.5	13.6
10:45 PM - 10:50 PM	58.0	51.2	-	60.0	44.8	15.2
10:50 PM - 10:55 PM	58.9	52.1	-	60.9	45.5	15.4
10:55 PM - 11:00 PM	60.1	53.3	-	62.1	46.3	15.8
11:00 PM - 11:05 PM	60.6	53.8	-	62.6	46.9	15.7
11:05 PM - 11:10 PM	60.1	53.3	-	62.1	44.7	17.4
11:10 PM - 11:15 PM	61.0	54.2	-	63.0	44.7	18.3
11:15 PM - 11:20 PM	58.6	51.8	-	60.6	44.2	16.4
11:20 PM - 11:25 PM	58.1	51.3	-	60.1	43.7	16.4
11:25 PM - 11:30 PM	59.6	52.8	-	61.6	44.1	17.5
11:30 PM - 11:35 PM	58.0	51.2	-	60.0	43.7	16.3
11:35 PM - 11:40 PM	55.4	48.6	-	57.4	42.2	15.2
11:40 PM - 11:45 PM	61.7	54.9	-	63.7	44.9	18.8
11:45 PM - 11:50 PM	59.1	52.3	-	61.1	42.5	18.6
11:50 PM - 11:55 PM	60.4	53.6	-	62.4	43.9	18.5
11:55 PM - 12:00 AM	55.6	48.8	-	57.6	43.0	14.6
12:00 AM - 12:05 AM	59.9	53.1	-	61.9	44.4	17.5
12:05 AM - 12:10 AM	58.9	52.1	-	60.9	45.1	15.8
12:10 AM - 12:15 AM	57.7	50.9	-	59.7	45.1	14.6
12:15 AM - 12:20 AM	56.9	50.1	-	58.9	45.6	13.3
12:20 AM - 12:25 AM	59.9	53.1	-	61.9	45.0	16.9
12:25 AM - 12:30 AM	56.6	49.8	-	58.6	46.0	12.6
12:30 AM - 12:35 AM	59.1	52.3	-	61.1	45.2	15.9
12:35 AM - 12:40 AM	56.1	49.3	-	58.1	44.9	13.2
12:40 AM - 12:45 AM	57.2	50.4	-	59.2	42.4	16.8

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Approved by

Wilawan Borirak
Manager

Analysis / Test Report

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

Lot ID: 2448811
Date Received :May 16, 2024
Date Reported :May 23, 2024
Report Number : 2997445-1

P/O : RJN(2)-018/66
Project Name : Pluak Daeng
Project Location :

Sample No. 2448811-5
Parameter เสียงรบกวน
Location บ้านวังตาหม่อน (N1) (GPS 47P 07304083 1432148)
Measurement Date May 11 - 12, 2024
Measurement by Saknarin Jaraskay
Sound Level Meter 920833

ระดับเสียง (dB(A))						
เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าระดับการรบกวน
			กลางวัน	กลางคืน		
12:45 AM - 12:50 AM	60.8	54.0	-	62.8	44.7	18.1
12:50 AM - 12:55 AM	57.7	50.9	-	59.7	41.7	18.0
12:55 AM - 01:00 AM	64.7	57.9	-	66.7	43.2	23.5
01:00 AM - 01:05 AM	52.3	45.5	-	54.3	41.5	12.8
01:05 AM - 01:10 AM	51.9	45.1	-	53.9	41.4	12.5
01:10 AM - 01:15 AM	52.9	46.1	-	54.9	41.9	13.0
01:15 AM - 01:20 AM	54.7	47.9	-	56.7	41.7	15.0
01:20 AM - 01:25 AM	55.7	48.9	-	57.7	41.3	16.4
01:25 AM - 01:30 AM	52.5	45.7	-	54.5	40.3	14.2
01:30 AM - 01:35 AM	53.9	47.1	-	55.9	40.2	15.7
01:35 AM - 01:40 AM	54.6	47.8	-	56.6	40.0	16.6
01:40 AM - 01:45 AM	50.5	43.7	-	52.5	39.4	13.1
01:45 AM - 01:50 AM	56.0	49.2	-	58.0	41.1	16.9
01:50 AM - 01:55 AM	52.9	46.1	-	54.9	40.5	14.4
01:55 AM - 02:00 AM	54.9	48.1	-	56.9	41.3	15.6
02:00 AM - 02:05 AM	52.9	46.1	-	54.9	41.1	13.8
02:05 AM - 02:10 AM	50.2	43.4	-	52.2	40.3	11.9
02:10 AM - 02:15 AM	52.8	46.0	-	54.8	40.3	14.5
02:15 AM - 02:20 AM	50.5	43.7	-	52.5	39.8	12.7
02:20 AM - 02:25 AM	54.7	47.9	-	56.7	40.4	16.3
02:25 AM - 02:30 AM	52.1	45.3	-	54.1	40.0	14.1
02:30 AM - 02:35 AM	52.7	45.9	-	54.7	41.0	13.7
02:35 AM - 02:40 AM	55.8	49.0	-	57.8	40.2	17.6
02:40 AM - 02:45 AM	53.4	46.6	-	55.4	40.8	14.6
02:45 AM - 02:50 AM	57.4	50.6	-	59.4	39.7	19.7
02:50 AM - 02:55 AM	46.8	40.0	-	48.8	38.3	10.5
02:55 AM - 03:00 AM	52.6	45.8	-	54.6	38.7	15.9
03:00 AM - 03:05 AM	51.9	45.1	-	53.9	39.7	14.2
03:05 AM - 03:10 AM	55.0	48.2	-	57.0	40.8	16.2
03:10 AM - 03:15 AM	50.1	43.3	-	52.1	39.9	12.2
03:15 AM - 03:20 AM	49.7	42.9	-	51.7	39.4	12.3
03:20 AM - 03:25 AM	51.7	44.9	-	53.7	39.7	14.0
03:25 AM - 03:30 AM	49.2	42.4	-	51.2	40.3	10.9
03:30 AM - 03:35 AM	50.1	43.3	-	52.1	39.8	12.3
03:35 AM - 03:40 AM	49.0	42.2	-	51.0	40.1	10.9
03:40 AM - 03:45 AM	51.4	44.6	-	53.4	40.3	13.1
03:45 AM - 03:50 AM	50.0	43.2	-	52.0	39.6	12.4
03:50 AM - 03:55 AM	46.9	40.1	-	48.9	39.0	9.9
03:55 AM - 04:00 AM	48.3	41.5	-	50.3	39.1	11.2
04:00 AM - 04:05 AM	49.3	42.5	-	51.3	39.4	11.9

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Approved by

Wilawan Borirak
Manager

Analysis / Test Report

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

Lot ID: 2448811
Date Received :May 16, 2024
Date Reported :May 23, 2024
Report Number : 2997445-1

P/O : RJN(2)-018/66
Project Name : Pluak Daeng
Project Location :

Sample No. 2448811-5
Parameter เสียงรบกวน
Location บ้านวังตาหม่อน (N1) (GPS 47P 07304083 1432148)
Measurement Date May 11 - 12, 2024
Measurement by Saknarin Jaraskay
Sound Level Meter 920833

ระดับเสียง (dB(A))						
เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าระดับการรบกวน
			กลางวัน	กลางคืน		
04:05 AM - 04:10 AM	51.4	44.6	-	53.4	40.2	13.2
04:10 AM - 04:15 AM	51.7	44.9	-	53.7	39.9	13.8
04:15 AM - 04:20 AM	47.4	40.6	-	49.4	39.3	10.1
04:20 AM - 04:25 AM	46.6	39.8	-	48.6	39.0	9.6
04:25 AM - 04:30 AM	51.0	44.2	-	53.0	39.4	13.6
04:30 AM - 04:35 AM	51.2	44.4	-	53.2	38.8	14.4
04:35 AM - 04:40 AM	47.8	41.0	-	49.8	38.5	11.3
04:40 AM - 04:45 AM	50.6	43.8	-	52.6	39.2	13.4
04:45 AM - 04:50 AM	48.5	41.7	-	50.5	38.5	12.0
04:50 AM - 04:55 AM	52.1	45.3	-	54.1	38.9	15.2
04:55 AM - 05:00 AM	48.3	41.5	-	50.3	38.3	12.0
05:00 AM - 05:05 AM	48.3	41.5	-	50.3	39.1	11.2
05:05 AM - 05:10 AM	49.1	42.3	-	51.1	38.7	12.4
05:10 AM - 05:15 AM	46.7	39.9	-	48.7	38.4	10.3
05:15 AM - 05:20 AM	47.8	41.0	-	49.8	39.0	10.8
05:20 AM - 05:25 AM	46.9	40.1	-	48.9	39.0	9.9
05:25 AM - 05:30 AM	47.2	40.4	-	49.2	38.8	10.4
05:30 AM - 05:35 AM	46.1	39.3	-	48.1	38.2	9.9
05:35 AM - 05:40 AM	47.5	40.7	-	49.5	37.8	11.7
05:40 AM - 05:45 AM	46.3	39.5	-	48.3	38.4	9.9
05:45 AM - 05:50 AM	46.7	39.9	-	48.7	38.3	10.4
05:50 AM - 05:55 AM	47.4	40.6	-	49.4	38.5	10.9
05:55 AM - 06:00 AM	46.6	39.8	-	48.6	38.2	10.4
06:00 AM - 07:00 AM	48.1	41.3	47.1	-	38.2	8.9
07:00 AM - 08:00 AM	48.0	41.2	47.0	-	36.0	11.0
08:00 AM - 09:00 AM	51.2	44.4	50.2	-	36.3	13.9
09:00 AM - 10:00 AM	54.6	47.8	53.6	-	39.7	13.9
10:00 AM - 11:00 AM	60.3	53.5	59.3	-	45.1	14.2
11:00 AM - 12:00 PM	63.5	56.7	62.5	-	46.7	15.8
12:00 PM - 01:00 PM	62.1	55.3	61.1	-	44.7	16.4
01:00 PM - 02:00 PM	62.3	55.5	61.3	-	44.8	16.5
02:00 PM - 03:00 PM	63.1	56.3	62.1	-	45.0	17.1
ค่ามาตรฐาน						≤ 10

Reference Method :
1. ISO 1996-1
2. ประกาศกรมโรงงานอุตสาหกรรม เรื่อง วิธีการตรวจวัดระดับเสียงการรบกวน ระดับเสียงเฉลี่ย 24 ชั่วโมง และระดับเสียงสูงสุดที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2567

มาตรฐาน
1. ประกาศกระทรวงอุตสาหกรรม เรื่อง กำหนดค่าระดับเสียงการรบกวนและระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548
2. ประกาศกระทรวงสาธารณสุข เรื่อง กำหนดค่ามาตรฐานมลพิษทางเสียงอันเกิดจากการประกอบกิจการที่เป็นอันตรายต่อสุขภาพ พ.ศ. 2561

Remark:
1. ระดับเสียงจากแหล่งกำเนิด ทำการตรวจวัด วันที่ 11-12 พฤษภาคม 2567
2. ระดับเสียงพื้นฐานและระดับเสียงขณะไม่มีการรบกวน (Sample No.2448812-5 วันที่ตรวจวัด 11-12 พฤษภาคม 2567)
3. n/a: ไม่สามารถคำนวณระดับเสียงขณะมีการรบกวนเนื่องจากระดับเสียงจากแหล่งกำเนิดน้อยกว่าระดับเสียงขณะไม่มีการรบกวน

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

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

P/O : RJN(2)-018/66
Project Name : Pluak Daeng
Project Location :

Lot ID: 2448811
Date Received :May 16, 2024
Date Reported :May 23, 2024
Report Number : 2997446-1

Sample No. 2448811-6
Parameter เสียงรบกวน
Location บ้านวังตาหม่อน (N1) (GPS 47P 07304083 1432148)
Measurement Date May 12 - 13, 2024
Measurement by Saknarin Jaraskay
Sound Level Meter 920833

ระดับเสียง (dB(A))						
เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าระดับการรบกวน
			กลางวัน	กลางคืน		
03:00 PM - 04:00 PM	64.5	57.7	63.5	-	42.8	20.7
04:00 PM - 05:00 PM	62.6	55.8	61.6	-	42.3	19.3
05:00 PM - 06:00 PM	62.3	55.5	61.3	-	43.1	18.2
06:00 PM - 07:00 PM	64.7	57.9	63.7	-	44.2	19.5
07:00 PM - 08:00 PM	64.3	58.7	62.9	-	44.8	18.1
08:00 PM - 09:00 PM	64.5	57.7	63.5	-	44.0	19.5
09:00 PM - 10:00 PM	63.6	56.8	62.6	-	47.9	14.7
10:00 PM - 10:05 PM	58.7	51.9	-	60.7	43.6	17.1
10:05 PM - 10:10 PM	60.4	53.6	-	62.4	43.5	18.9
10:10 PM - 10:15 PM	55.2	48.4	-	57.2	42.1	15.1
10:15 PM - 10:20 PM	56.3	49.5	-	58.3	45.3	13.0
10:20 PM - 10:25 PM	60.0	53.2	-	62.0	45.2	16.8
10:25 PM - 10:30 PM	57.9	51.1	-	59.9	45.3	14.6
10:30 PM - 10:35 PM	62.1	55.3	-	64.1	45.5	18.6
10:35 PM - 10:40 PM	55.9	49.1	-	57.9	44.3	13.6
10:40 PM - 10:45 PM	56.3	49.5	-	58.3	44.7	13.6
10:45 PM - 10:50 PM	57.2	50.4	-	59.2	44.0	15.2
10:50 PM - 10:55 PM	58.1	51.3	-	60.1	44.7	15.4
10:55 PM - 11:00 PM	59.3	52.5	-	61.3	45.5	15.8
11:00 PM - 11:05 PM	59.8	53.0	-	61.8	46.1	15.7
11:05 PM - 11:10 PM	59.3	52.5	-	61.3	43.9	17.4
11:10 PM - 11:15 PM	60.2	53.4	-	62.2	43.9	18.3
11:15 PM - 11:20 PM	57.8	51.0	-	59.8	43.4	16.4
11:20 PM - 11:25 PM	57.3	50.5	-	59.3	42.9	16.4
11:25 PM - 11:30 PM	58.8	52.0	-	60.8	43.3	17.5
11:30 PM - 11:35 PM	57.2	50.4	-	59.2	42.9	16.3
11:35 PM - 11:40 PM	54.6	47.8	-	56.6	41.4	15.2
11:40 PM - 11:45 PM	60.9	54.1	-	62.9	44.1	18.8
11:45 PM - 11:50 PM	58.3	51.5	-	60.3	41.7	18.6
11:50 PM - 11:55 PM	59.6	52.8	-	61.6	43.1	18.5
11:55 PM - 12:00 AM	54.8	48.0	-	56.8	42.2	14.6
12:00 AM - 12:05 AM	59.1	52.3	-	61.1	43.6	17.5
12:05 AM - 12:10 AM	58.1	51.3	-	60.1	44.3	15.8
12:10 AM - 12:15 AM	56.9	50.1	-	58.9	44.3	14.6
12:15 AM - 12:20 AM	56.1	49.3	-	58.1	44.8	13.3
12:20 AM - 12:25 AM	59.1	52.3	-	61.1	44.2	16.9
12:25 AM - 12:30 AM	55.8	49.0	-	57.8	45.2	12.6
12:30 AM - 12:35 AM	58.3	51.5	-	60.3	44.4	15.9
12:35 AM - 12:40 AM	55.3	48.5	-	57.3	44.1	13.2
12:40 AM - 12:45 AM	56.4	49.6	-	58.4	41.6	16.8

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Approved by

Wilawan Borirak
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)-018/66
Project Name : Pluak Daeng
Project Location :

Lot ID: 2448811
Date Received :May 16, 2024
Date Reported :May 23, 2024
Report Number : 2997446-1

Sample No. 2448811-6
Parameter เสียงรบกวน
Location บ้านวังตาหม่อน (N1) (GPS 47P 07304083 1432148)
Measurement Date May 12 - 13, 2024
Measurement by Saknarin Jaraskay
Sound Level Meter 920833

ระดับเสียง (dB(A))						
เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าระดับการรบกวน
			กลางวัน	กลางคืน		
12:45 AM - 12:50 AM	60.0	53.2	-	62.0	43.9	18.1
12:50 AM - 12:55 AM	56.9	50.1	-	58.9	40.9	18.0
12:55 AM - 01:00 AM	63.9	57.1	-	65.9	42.4	23.5
01:00 AM - 01:05 AM	51.5	44.7	-	53.5	40.7	12.8
01:05 AM - 01:10 AM	51.1	44.3	-	53.1	40.6	12.5
01:10 AM - 01:15 AM	52.1	45.3	-	54.1	41.1	13.0
01:15 AM - 01:20 AM	53.9	47.1	-	55.9	40.9	15.0
01:20 AM - 01:25 AM	54.9	48.1	-	56.9	40.5	16.4
01:25 AM - 01:30 AM	51.7	44.9	-	53.7	39.5	14.2
01:30 AM - 01:35 AM	53.1	46.3	-	55.1	39.4	15.7
01:35 AM - 01:40 AM	53.8	47.0	-	55.8	39.2	16.6
01:40 AM - 01:45 AM	49.7	42.9	-	51.7	38.6	13.1
01:45 AM - 01:50 AM	55.2	48.4	-	57.2	40.3	16.9
01:50 AM - 01:55 AM	52.1	45.3	-	54.1	39.7	14.4
01:55 AM - 02:00 AM	54.1	47.3	-	56.1	40.5	15.6
02:00 AM - 02:05 AM	52.1	45.3	-	54.1	40.3	13.8
02:05 AM - 02:10 AM	49.4	42.6	-	51.4	39.5	11.9
02:10 AM - 02:15 AM	52.0	45.2	-	54.0	39.5	14.5
02:15 AM - 02:20 AM	49.7	42.9	-	51.7	39.0	12.7
02:20 AM - 02:25 AM	53.9	47.1	-	55.9	39.6	16.3
02:25 AM - 02:30 AM	51.3	44.5	-	53.3	39.2	14.1
02:30 AM - 02:35 AM	51.9	45.1	-	53.9	40.2	13.7
02:35 AM - 02:40 AM	55.0	48.2	-	57.0	39.4	17.6
02:40 AM - 02:45 AM	52.6	45.8	-	54.6	40.0	14.6
02:45 AM - 02:50 AM	56.6	49.8	-	58.6	38.9	19.7
02:50 AM - 02:55 AM	46.0	39.2	-	48.0	37.5	10.5
02:55 AM - 03:00 AM	51.8	45.0	-	53.8	37.9	15.9
03:00 AM - 03:05 AM	51.1	44.3	-	53.1	38.9	14.2
03:05 AM - 03:10 AM	54.2	47.4	-	56.2	40.0	16.2
03:10 AM - 03:15 AM	49.3	42.5	-	51.3	39.1	12.2
03:15 AM - 03:20 AM	48.9	42.1	-	50.9	38.6	12.3
03:20 AM - 03:25 AM	50.9	44.1	-	52.9	38.9	14.0
03:25 AM - 03:30 AM	48.4	41.6	-	50.4	39.5	10.9
03:30 AM - 03:35 AM	49.3	42.5	-	51.3	39.0	12.3
03:35 AM - 03:40 AM	48.2	41.4	-	50.2	39.3	10.9
03:40 AM - 03:45 AM	50.6	43.8	-	52.6	39.5	13.1
03:45 AM - 03:50 AM	49.2	42.4	-	51.2	38.8	12.4
03:50 AM - 03:55 AM	46.1	39.3	-	48.1	38.2	9.9
03:55 AM - 04:00 AM	47.5	40.7	-	49.5	38.3	11.2
04:00 AM - 04:05 AM	48.5	41.7	-	50.5	38.6	11.9

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Approved by

Wilawan Borirak
Manager

Analysis / Test Report

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

Lot ID: 2448811
Date Received :May 16, 2024
Date Reported :May 23, 2024
Report Number : 2997446-1

P/O : RJN(2)-018/66
Project Name : Pluak Daeng
Project Location :

Sample No. 2448811-6
Parameter เสียงรบกวน
Location บ้านวังตาหม่อน (N1) (GPS 47P 07304083 1432148)
Measurement Date May 12 - 13, 2024
Measurement by Saknarin Jaraskay
Sound Level Meter 920833

ระดับเสียง (dB(A))						
เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าระดับการรบกวน
			กลางวัน	กลางคืน		
04:05 AM - 04:10 AM	50.6	43.8	-	52.6	39.4	13.2
04:10 AM - 04:15 AM	50.9	44.1	-	52.9	39.1	13.8
04:15 AM - 04:20 AM	46.6	39.8	-	48.6	38.5	10.1
04:20 AM - 04:25 AM	45.8	39.0	-	47.8	38.2	9.6
04:25 AM - 04:30 AM	50.2	43.4	-	52.2	38.6	13.6
04:30 AM - 04:35 AM	50.4	43.6	-	52.4	38.0	14.4
04:35 AM - 04:40 AM	47.0	40.2	-	49.0	37.7	11.3
04:40 AM - 04:45 AM	49.8	43.0	-	51.8	38.4	13.4
04:45 AM - 04:50 AM	47.7	40.9	-	49.7	37.7	12.0
04:50 AM - 04:55 AM	51.3	44.5	-	53.3	38.1	15.2
04:55 AM - 05:00 AM	47.5	40.7	-	49.5	37.5	12.0
05:00 AM - 05:05 AM	47.5	40.7	-	49.5	38.3	11.2
05:05 AM - 05:10 AM	48.3	41.5	-	50.3	37.9	12.4
05:10 AM - 05:15 AM	45.9	39.1	-	47.9	37.6	10.3
05:15 AM - 05:20 AM	47.0	40.2	-	49.0	38.2	10.8
05:20 AM - 05:25 AM	46.1	39.3	-	48.1	38.2	9.9
05:25 AM - 05:30 AM	46.4	39.6	-	48.4	38.0	10.4
05:30 AM - 05:35 AM	46.1	39.3	-	48.1	38.2	9.9
05:35 AM - 05:40 AM	47.5	40.7	-	49.5	37.8	11.7
05:40 AM - 05:45 AM	46.3	39.5	-	48.3	38.4	9.9
05:45 AM - 05:50 AM	46.7	39.9	-	48.7	38.3	10.4
05:50 AM - 05:55 AM	47.4	40.6	-	49.4	38.5	10.9
05:55 AM - 06:00 AM	46.6	39.8	-	48.6	38.2	10.4
06:00 AM - 07:00 AM	48.1	41.3	47.1	-	38.2	8.9
07:00 AM - 08:00 AM	48.0	41.2	47.0	-	36.0	11.0
08:00 AM - 09:00 AM	51.2	44.4	50.2	-	36.3	13.9
09:00 AM - 10:00 AM	54.6	47.8	53.6	-	39.7	13.9
10:00 AM - 11:00 AM	60.3	53.5	59.3	-	45.1	14.2
11:00 AM - 12:00 PM	63.5	56.7	62.5	-	46.7	15.8
12:00 PM - 01:00 PM	62.1	55.3	61.1	-	44.7	16.4
01:00 PM - 02:00 PM	62.3	55.5	61.3	-	44.8	16.5
02:00 PM - 03:00 PM	63.1	56.3	62.1	-	45.0	17.1
ค่ามาตรฐาน						≤ 10

Reference Method :
1. ISO 1996-1
2. ประกาศกรมโรงงานอุตสาหกรรม เรื่อง วิธีการตรวจวัดระดับเสียงการรบกวน ระดับเสียงเฉลี่ย 24 ชั่วโมง และระดับเสียงสูงสุดที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2567

มาตรฐาน
1. ประกาศกระทรวงอุตสาหกรรม เรื่อง กำหนดค่าระดับเสียงการรบกวนและระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548
2. ประกาศกระทรวงสาธารณสุข เรื่อง กำหนดค่ามาตรฐานมลพิษทางเสียงอันเกิดจากการประกอบกิจการที่เป็นอันตรายต่อสุขภาพ พ.ศ. 2561

Remark:
1. ระดับเสียงจากแหล่งกำเนิด ทำการตรวจวัด วันที่ 12-13 พฤษภาคม 2567
2. ระดับเสียงพื้นฐานและระดับเสียงขณะไม่มีการรบกวน (Sample No.2448812-6 วันที่ตรวจวัด 12-13 พฤษภาคม 2567)
3. n/a: ไม่สามารถคำนวณระดับเสียงขณะมีการรบกวนเนื่องจากระดับเสียงจากแหล่งกำเนิดน้อยกว่าระดับเสียงขณะไม่มีการรบกวน

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

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

Lot ID: 2448811
Date Received :May 16, 2024
Date Reported :May 23, 2024
Report Number : 2997447-1

P/O : RJN(2)-018/66
Project Name : Pluak Daeng
Project Location :

Sample No. 2448811-7
Parameter เสียงรบกวน
Location บ้านวังตาหม่อน (N1) (GPS 47P 07304083 1432148)
Measurement Date May 13 - 14, 2024
Measurement by Saknarin Jaraskay
Sound Level Meter 920833

ระดับเสียง (dB(A))						
เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าระดับการรบกวน
			กลางวัน	กลางคืน		
03:00 PM - 04:00 PM	60.9	54.1	59.9	-	45.0	14.9
04:00 PM - 05:00 PM	59.9	53.1	58.9	-	41.9	17.0
05:00 PM - 06:00 PM	64.8	58.0	63.8	-	55.3	8.5
06:00 PM - 07:00 PM	60.9	54.1	59.9	-	45.0	14.9
07:00 PM - 08:00 PM	58.5	51.7	57.5	-	45.3	12.2
08:00 PM - 09:00 PM	63.1	56.3	62.1	-	46.2	15.9
09:00 PM - 10:00 PM	63.0	58.3	61.2	-	46.8	14.4
10:00 PM - 10:05 PM	62.0	64.6	-	n/a	45.8	-
10:05 PM - 10:10 PM	62.7	55.9	-	64.7	42.5	22.2
10:10 PM - 10:15 PM	60.7	53.9	-	62.7	41.7	21.0
10:15 PM - 10:20 PM	56.3	49.5	-	58.3	43.1	15.2
10:20 PM - 10:25 PM	56.9	50.1	-	58.9	43.9	15.0
10:25 PM - 10:30 PM	57.4	50.6	-	59.4	43.9	15.5
10:30 PM - 10:35 PM	60.5	53.7	-	62.5	43.8	18.7
10:35 PM - 10:40 PM	55.7	48.9	-	57.7	44.4	13.3
10:40 PM - 10:45 PM	58.0	51.2	-	60.0	44.0	16.0
10:45 PM - 10:50 PM	55.7	48.9	-	57.7	43.5	14.2
10:50 PM - 10:55 PM	58.8	52.0	-	60.8	44.1	16.7
10:55 PM - 11:00 PM	57.4	50.6	-	59.4	43.9	15.5
11:00 PM - 11:05 PM	57.4	50.6	-	59.4	44.8	14.6
11:05 PM - 11:10 PM	60.7	53.9	-	62.7	44.3	18.4
11:10 PM - 11:15 PM	56.7	49.9	-	58.7	44.1	14.6
11:15 PM - 11:20 PM	63.1	56.3	-	65.1	43.8	21.3
11:20 PM - 11:25 PM	59.5	52.7	-	61.5	41.8	19.7
11:25 PM - 11:30 PM	56.7	49.9	-	58.7	41.5	17.2
11:30 PM - 11:35 PM	55.8	49.0	-	57.8	40.6	17.2
11:35 PM - 11:40 PM	57.8	51.0	-	59.8	40.7	19.1
11:40 PM - 11:45 PM	52.9	46.1	-	54.9	40.9	14.0
11:45 PM - 11:50 PM	53.2	46.4	-	55.2	40.6	14.6
11:50 PM - 11:55 PM	57.8	51.0	-	59.8	40.1	19.7
11:55 PM - 12:00 AM	51.9	45.1	-	53.9	40.0	13.9
12:00 AM - 12:05 AM	57.3	50.5	-	59.3	40.2	19.1
12:05 AM - 12:10 AM	65.2	58.4	-	67.2	42.3	24.9
12:10 AM - 12:15 AM	55.3	48.5	-	57.3	42.5	14.8
12:15 AM - 12:20 AM	56.9	50.1	-	58.9	42.8	16.1
12:20 AM - 12:25 AM	54.5	47.7	-	56.5	43.1	13.4
12:25 AM - 12:30 AM	61.4	54.6	-	63.4	43.7	19.7
12:30 AM - 12:35 AM	54.8	48.0	-	56.8	40.9	15.9
12:35 AM - 12:40 AM	55.2	48.4	-	57.2	41.9	15.3
12:40 AM - 12:45 AM	55.0	48.2	-	57.0	42.9	14.1

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Approved by

Wilawan Borirak
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)-018/66
Project Name : Pluak Daeng
Project Location :

Lot ID: 2448811
Date Received :May 16, 2024
Date Reported :May 23, 2024
Report Number : 2997447-1

Sample No. 2448811-7
Parameter เสียงรบกวน
Location บ้านวังตาหม่อน (N1) (GPS 47P 07304083 1432148)
Measurement Date May 13 - 14, 2024
Measurement by Saknarin Jaraskay
Sound Level Meter 920833

ระดับเสียง (dB(A))						
เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าระดับการรบกวน
			กลางวัน	กลางคืน		
12:45 AM - 12:50 AM	53.6	46.8	-	55.6	40.9	14.7
12:50 AM - 12:55 AM	50.5	43.7	-	52.5	40.8	11.7
12:55 AM - 01:00 AM	54.3	47.5	-	56.3	39.9	16.4
01:00 AM - 01:05 AM	50.6	43.8	-	52.6	39.5	13.1
01:05 AM - 01:10 AM	52.9	46.1	-	54.9	39.9	15.0
01:10 AM - 01:15 AM	50.4	43.6	-	52.4	39.4	13.0
01:15 AM - 01:20 AM	50.1	43.3	-	52.1	38.6	13.5
01:20 AM - 01:25 AM	48.5	41.7	-	50.5	38.1	12.4
01:25 AM - 01:30 AM	51.3	44.5	-	53.3	38.2	15.1
01:30 AM - 01:35 AM	49.7	42.9	-	51.7	38.3	13.4
01:35 AM - 01:40 AM	67.4	60.6	-	69.4	39.8	29.6
01:40 AM - 01:45 AM	66.0	59.2	-	68.0	42.7	25.3
01:45 AM - 01:50 AM	63.7	56.9	-	65.7	40.5	25.2
01:50 AM - 01:55 AM	58.2	51.4	-	60.2	41.2	19.0
01:55 AM - 02:00 AM	52.4	45.6	-	54.4	38.8	15.6
02:00 AM - 02:05 AM	48.8	42.0	-	50.8	37.3	13.5
02:05 AM - 02:10 AM	56.8	50.0	-	58.8	38.4	20.4
02:10 AM - 02:15 AM	51.2	44.4	-	53.2	38.7	14.5
02:15 AM - 02:20 AM	51.2	44.4	-	53.2	38.1	15.1
02:20 AM - 02:25 AM	53.3	46.5	-	55.3	38.2	17.1
02:25 AM - 02:30 AM	51.9	45.1	-	53.9	38.7	15.2
02:30 AM - 02:35 AM	54.1	47.3	-	56.1	39.1	17.0
02:35 AM - 02:40 AM	49.8	43.0	-	51.8	37.9	13.9
02:40 AM - 02:45 AM	49.5	42.7	-	51.5	38.5	13.0
02:45 AM - 02:50 AM	48.1	41.3	-	50.1	38.0	12.1
02:50 AM - 02:55 AM	50.9	44.1	-	52.9	37.9	15.0
02:55 AM - 03:00 AM	51.9	45.1	-	53.9	38.1	15.8
03:00 AM - 03:05 AM	53.1	46.3	-	55.1	38.1	17.0
03:05 AM - 03:10 AM	51.7	44.9	-	53.7	38.4	15.3
03:10 AM - 03:15 AM	49.2	42.4	-	51.2	37.5	13.7
03:15 AM - 03:20 AM	48.8	42.0	-	50.8	36.9	13.9
03:20 AM - 03:25 AM	51.3	44.5	-	53.3	37.8	15.5
03:25 AM - 03:30 AM	51.1	44.3	-	53.1	38.0	15.1
03:30 AM - 03:35 AM	47.7	40.9	-	49.7	36.7	13.0
03:35 AM - 03:40 AM	51.2	44.4	-	53.2	36.0	17.2
03:40 AM - 03:45 AM	46.4	39.6	-	48.4	35.7	12.7
03:45 AM - 03:50 AM	46.9	40.1	-	48.9	36.6	12.3
03:50 AM - 03:55 AM	47.1	40.3	-	49.1	36.4	12.7
03:55 AM - 04:00 AM	51.7	44.9	-	53.7	37.2	16.5
04:00 AM - 04:05 AM	46.0	39.2	-	48.0	36.6	11.4

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Approved by

Wilawan Borirak
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)-018/66
Project Name : Pluak Daeng
Project Location :

Lot ID: 2448811
Date Received :May 16, 2024
Date Reported :May 23, 2024
Report Number : 2997447-1

Sample No. 2448811-7
Parameter เสียงรบกวน
Location บ้านวังตาหม่อน (N1) (GPS 47P 07304083 1432148)
Measurement Date May 13 - 14, 2024
Measurement by Saknarin Jaraskay
Sound Level Meter 920833

ระดับเสียง (dB(A))						
เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าระดับการรบกวน
			กลางวัน	กลางคืน		
04:05 AM - 04:10 AM	46.5	39.7	-	48.5	36.5	12.0
04:10 AM - 04:15 AM	47.1	40.3	-	49.1	37.0	12.1
04:15 AM - 04:20 AM	45.3	38.5	-	47.3	36.4	10.9
04:20 AM - 04:25 AM	48.6	41.8	-	50.6	36.9	13.7
04:25 AM - 04:30 AM	46.4	39.6	-	48.4	36.6	11.8
04:30 AM - 04:35 AM	46.7	39.9	-	48.7	36.1	12.6
04:35 AM - 04:40 AM	44.8	38.0	-	46.8	36.6	10.2
04:40 AM - 04:45 AM	48.9	42.1	-	50.9	36.5	14.4
04:45 AM - 04:50 AM	46.8	40.0	-	48.8	36.0	12.8
04:50 AM - 04:55 AM	48.8	42.0	-	50.8	35.8	15.0
04:55 AM - 05:00 AM	50.2	43.4	-	52.2	37.2	15.0
05:00 AM - 05:05 AM	46.4	39.6	-	48.4	36.7	11.7
05:05 AM - 05:10 AM	45.3	38.5	-	47.3	37.4	9.9
05:10 AM - 05:15 AM	46.5	39.7	-	48.5	37.1	11.4
05:15 AM - 05:20 AM	48.7	41.9	-	50.7	37.2	13.5
05:20 AM - 05:25 AM	44.9	38.1	-	46.9	37.0	9.9
05:25 AM - 05:30 AM	56.9	50.1	-	58.9	37.9	21.0
05:30 AM - 05:35 AM	47.1	40.3	-	49.1	37.6	11.5
05:35 AM - 05:40 AM	45.1	38.3	-	47.1	36.8	10.3
05:40 AM - 05:45 AM	48.1	41.3	-	50.1	38.9	11.2
05:45 AM - 05:50 AM	47.1	40.3	-	49.1	39.1	10.0
05:50 AM - 05:55 AM	46.9	40.1	-	48.9	38.4	10.5
05:55 AM - 06:00 AM	48.9	42.1	-	50.9	39.0	11.9
06:00 AM - 07:00 AM	47.1	40.3	46.1	-	36.1	10.0
07:00 AM - 08:00 AM	48.0	41.2	47.0	-	37.7	9.3
08:00 AM - 09:00 AM	51.2	44.4	50.2	-	38.1	12.1
09:00 AM - 10:00 AM	56.0	49.2	55.0	-	42.0	13.0
10:00 AM - 11:00 AM	63.0	56.2	62.0	-	46.0	16.0
11:00 AM - 12:00 PM	63.0	56.2	62.0	-	47.8	14.2
12:00 PM - 01:00 PM	62.7	55.9	61.7	-	46.7	15.0
01:00 PM - 02:00 PM	62.3	55.5	61.3	-	44.8	16.5
02:00 PM - 03:00 PM	62.7	56.8	61.4	-	44.3	17.1
ค่ามาตรฐาน						≤ 10

Reference Method :
1. ISO 1996-1
2. ประกาศกรมโรงงานอุตสาหกรรม เรื่อง วิธีการตรวจวัดระดับเสียงการรบกวน ระดับเสียงเฉลี่ย 24 ชั่วโมง และระดับเสียงสูงสุดที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2567

มาตรฐาน
1. ประกาศกระทรวงอุตสาหกรรม เรื่อง กำหนดค่าระดับเสียงการรบกวนและระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548
2. ประกาศกระทรวงสาธารณสุข เรื่อง กำหนดค่ามาตรฐานมลพิษทางเสียงอันเกิดจากการประกอบกิจการที่เป็นอันตรายต่อสุขภาพ พ.ศ. 2561

Remark:
1. ระดับเสียงจากแหล่งกำเนิด ทำการตรวจวัด วันที่ 13-14 พฤษภาคม 2567
2. ระดับเสียงพื้นฐานและระดับเสียงขณะไม่มีการรบกวน (Sample No.2448812-7 วันที่ตรวจวัด 13-14 พฤษภาคม 2567)
3. n/a: ไม่สามารถคำนวณระดับเสียงขณะมีการรบกวนเนื่องจากระดับเสียงจากแหล่งกำเนิดน้อยกว่าระดับเสียงขณะไม่มีการรบกวน

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

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

P/O : RJN(2)-018/66
Project Name : Pluak Daeng
Project Location :

Lot ID: 2448811
Date Received :May 16, 2024
Date Reported :May 23, 2024
Report Number : 2997448-1

Sample No. 2448811-8
Parameter เสียงรบกวน
Location บ้านพักอาศัย หมู่ 2 ซ.มาบยางพร 15 (N2) (GPS 47P 0733648, 1434012)
Measurement Date May 07 - 08, 2024
Measurement by Saknarin Jaraskay
Sound Level Meter 920831

ระดับเสียง (dB(A))						
เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าระดับการรบกวน
			กลางวัน	กลางคืน		
03:00 PM - 04:00 PM	59.6	56.4	56.8	-	42.8	14.0
04:00 PM - 05:00 PM	60.3	57.1	57.5	-	44.6	12.9
05:00 PM - 06:00 PM	62.4	59.2	59.6	-	46.4	13.2
06:00 PM - 07:00 PM	60.4	57.2	57.6	-	43.0	14.6
07:00 PM - 08:00 PM	62.4	59.2	59.6	-	45.2	14.4
08:00 PM - 09:00 PM	59.8	56.6	57.0	-	42.1	14.9
09:00 PM - 10:00 PM	58.0	54.8	55.2	-	38.2	17.0
10:00 PM - 10:05 PM	51.2	48.0	-	51.4	36.0	15.4
10:05 PM - 10:10 PM	43.5	40.3	-	43.7	35.6	8.1
10:10 PM - 10:15 PM	58.0	54.8	-	58.2	37.0	21.2
10:15 PM - 10:20 PM	47.8	44.6	-	48.0	36.3	11.7
10:20 PM - 10:25 PM	50.9	47.7	-	51.1	36.3	14.8
10:25 PM - 10:30 PM	57.6	54.4	-	57.8	36.4	21.4
10:30 PM - 10:35 PM	47.1	43.9	-	47.3	36.5	10.8
10:35 PM - 10:40 PM	53.7	50.5	-	53.9	36.8	17.1
10:40 PM - 10:45 PM	55.8	52.6	-	56.0	36.6	19.4
10:45 PM - 10:50 PM	62.6	59.4	-	62.8	36.4	26.4
10:50 PM - 10:55 PM	49.3	46.1	-	49.5	36.4	13.1
10:55 PM - 11:00 PM	56.7	53.5	-	56.9	36.7	20.2
11:00 PM - 11:05 PM	58.1	54.9	-	58.3	38.6	19.7
11:05 PM - 11:10 PM	53.6	50.4	-	53.8	36.7	17.1
11:10 PM - 11:15 PM	55.0	51.8	-	55.2	36.4	18.8
11:15 PM - 11:20 PM	57.7	54.5	-	57.9	37.5	20.4
11:20 PM - 11:25 PM	53.7	50.5	-	53.9	36.8	17.1
11:25 PM - 11:30 PM	63.5	60.3	-	63.7	37.4	26.3
11:30 PM - 11:35 PM	57.1	53.9	-	57.3	38.1	19.2
11:35 PM - 11:40 PM	47.1	43.9	-	47.3	35.5	11.8
11:40 PM - 11:45 PM	50.9	47.7	-	51.1	35.6	15.5
11:45 PM - 11:50 PM	49.5	46.3	-	49.7	36.8	12.9
11:50 PM - 11:55 PM	53.5	50.3	-	53.7	35.6	18.1
11:55 PM - 12:00 AM	57.9	54.7	-	58.1	36.4	21.7
12:00 AM - 12:05 AM	56.1	52.9	-	56.3	35.8	20.5
12:05 AM - 12:10 AM	55.4	52.2	-	55.6	36.0	19.6
12:10 AM - 12:15 AM	54.7	51.5	-	54.9	36.6	18.3
12:15 AM - 12:20 AM	51.4	48.2	-	51.6	36.8	14.8
12:20 AM - 12:25 AM	53.3	50.1	-	53.5	37.0	16.5
12:25 AM - 12:30 AM	44.0	40.8	-	44.2	34.7	9.5
12:30 AM - 12:35 AM	53.1	49.9	-	53.3	37.5	15.8
12:35 AM - 12:40 AM	44.3	41.1	-	44.5	35.7	8.8
12:40 AM - 12:45 AM	45.5	42.3	-	45.7	34.6	11.1

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Approved by

Wilawan Borirak
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)-018/66
Project Name : Pluak Daeng
Project Location :

Lot ID: 2448811
Date Received :May 16, 2024
Date Reported :May 23, 2024
Report Number : 2997448-1

Sample No. 2448811-8
Parameter เสียงรบกวน
Location บ้านพักอาศัย หมู่ 2 ซ.มาบยางพร 15 (N2) (GPS 47P 0733648, 1434012)
Measurement Date May 07 - 08, 2024
Measurement by Saknarin Jaraskay
Sound Level Meter 920831

ระดับเสียง (dB(A))						
เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าระดับการรบกวน
			กลางวัน	กลางคืน		
12:45 AM - 12:50 AM	46.6	43.4	-	46.8	34.8	12.0
12:50 AM - 12:55 AM	51.3	48.1	-	51.5	34.6	16.9
12:55 AM - 01:00 AM	47.9	44.7	-	48.1	35.1	13.0
01:00 AM - 01:05 AM	44.4	41.2	-	44.6	34.3	10.3
01:05 AM - 01:10 AM	45.6	42.4	-	45.8	35.4	10.4
01:10 AM - 01:15 AM	45.0	41.8	-	45.2	35.7	9.5
01:15 AM - 01:20 AM	45.9	42.7	-	46.1	36.0	10.1
01:20 AM - 01:25 AM	44.9	41.7	-	45.1	37.4	7.7
01:25 AM - 01:30 AM	46.0	42.8	-	46.2	36.3	9.9
01:30 AM - 01:35 AM	50.7	47.5	-	50.9	37.8	13.1
01:35 AM - 01:40 AM	47.9	44.7	-	48.1	37.6	10.5
01:40 AM - 01:45 AM	44.5	41.3	-	44.7	36.5	8.2
01:45 AM - 01:50 AM	43.0	39.8	-	43.2	35.2	8.0
01:50 AM - 01:55 AM	45.2	42.0	-	45.4	38.5	6.9
01:55 AM - 02:00 AM	45.8	42.6	-	46.0	36.9	9.1
02:00 AM - 02:05 AM	45.7	42.5	-	45.9	36.7	9.2
02:05 AM - 02:10 AM	44.4	41.2	-	44.6	36.3	8.3
02:10 AM - 02:15 AM	45.4	42.2	-	45.6	36.9	8.7
02:15 AM - 02:20 AM	42.9	39.7	-	43.1	36.6	6.5
02:20 AM - 02:25 AM	46.6	43.4	-	46.8	38.1	8.7
02:25 AM - 02:30 AM	48.7	45.5	-	48.9	38.5	10.4
02:30 AM - 02:35 AM	48.0	44.8	-	48.2	38.6	9.6
02:35 AM - 02:40 AM	46.9	43.7	-	47.1	39.5	7.6
02:40 AM - 02:45 AM	44.5	41.3	-	44.7	36.8	7.9
02:45 AM - 02:50 AM	44.8	41.6	-	45.0	36.9	8.1
02:50 AM - 02:55 AM	47.2	44.0	-	47.4	37.6	9.8
02:55 AM - 03:00 AM	48.4	45.2	-	48.6	37.4	11.2
03:00 AM - 03:05 AM	46.2	43.0	-	46.4	37.7	8.7
03:05 AM - 03:10 AM	45.3	42.1	-	45.5	36.6	8.9
03:10 AM - 03:15 AM	46.8	43.6	-	47.0	36.3	10.7
03:15 AM - 03:20 AM	48.5	45.3	-	48.7	37.0	11.7
03:20 AM - 03:25 AM	51.3	48.1	-	51.5	38.8	12.7
03:25 AM - 03:30 AM	47.7	44.5	-	47.9	37.9	10.0
03:30 AM - 03:35 AM	46.7	43.5	-	46.9	37.4	9.5
03:35 AM - 03:40 AM	50.9	47.7	-	51.1	37.6	13.5
03:40 AM - 03:45 AM	48.9	45.7	-	49.1	37.7	11.4
03:45 AM - 03:50 AM	48.6	45.4	-	48.8	38.6	10.2
03:50 AM - 03:55 AM	41.1	37.9	-	41.3	36.7	4.6
03:55 AM - 04:00 AM	47.0	43.8	-	47.2	36.3	10.9
04:00 AM - 04:05 AM	48.3	45.1	-	48.5	36.3	12.2

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Approved by

Wilawan Borirak
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)-018/66
Project Name : Pluak Daeng
Project Location :

Lot ID: 2448811
Date Received :May 16, 2024
Date Reported :May 23, 2024
Report Number : 2997448-1

Sample No. 2448811-8
Parameter เสียงรบกวน
Location บ้านพักอาศัย หมู่ 2 ซ.มาบยางพร 15 (N2) (GPS 47P 0733648, 1434012)
Measurement Date May 07 - 08, 2024
Measurement by Saknarin Jaraskay
Sound Level Meter 920831

ระดับเสียง (dB(A))						
เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าระดับการรบกวน
			กลางวัน	กลางคืน		
04:05 AM - 04:10 AM	51.4	48.2	-	51.6	35.2	16.4
04:10 AM - 04:15 AM	52.1	48.9	-	52.3	40.4	11.9
04:15 AM - 04:20 AM	51.2	48.0	-	51.4	36.4	15.0
04:20 AM - 04:25 AM	54.7	51.5	-	54.9	34.6	20.3
04:25 AM - 04:30 AM	52.6	49.4	-	52.8	35.8	17.0
04:30 AM - 04:35 AM	50.0	46.8	-	50.2	34.9	15.3
04:35 AM - 04:40 AM	62.4	59.2	-	62.6	35.3	27.3
04:40 AM - 04:45 AM	51.7	48.5	-	51.9	34.5	17.4
04:45 AM - 04:50 AM	52.9	49.7	-	53.1	35.0	18.1
04:50 AM - 04:55 AM	53.4	50.2	-	53.6	39.3	14.3
04:55 AM - 05:00 AM	59.1	55.9	-	59.3	41.2	18.1
05:00 AM - 05:05 AM	54.5	51.3	-	54.7	43.2	11.5
05:05 AM - 05:10 AM	56.6	53.4	-	56.8	41.4	15.4
05:10 AM - 05:15 AM	62.6	59.4	-	62.8	44.7	18.1
05:15 AM - 05:20 AM	61.4	58.2	-	61.6	42.3	19.3
05:20 AM - 05:25 AM	58.8	55.6	-	59.0	42.8	16.2
05:25 AM - 05:30 AM	54.7	51.5	-	54.9	42.1	12.8
05:30 AM - 05:35 AM	56.0	52.8	-	56.2	40.0	16.2
05:35 AM - 05:40 AM	58.9	55.7	-	59.1	39.7	19.4
05:40 AM - 05:45 AM	55.5	52.3	-	55.7	38.8	16.9
05:45 AM - 05:50 AM	56.6	53.4	-	56.8	38.5	18.3
05:50 AM - 05:55 AM	57.9	54.7	-	58.1	40.7	17.4
05:55 AM - 06:00 AM	59.3	56.1	-	59.5	40.3	19.2
06:00 AM - 07:00 AM	62.5	59.3	59.7	-	45.9	13.8
07:00 AM - 08:00 AM	65.6	62.4	62.8	-	52.9	9.9
08:00 AM - 09:00 AM	64.4	61.2	61.6	-	55.5	6.1
09:00 AM - 10:00 AM	61.3	58.1	58.5	-	51.8	6.7
10:00 AM - 11:00 AM	58.6	55.4	55.8	-	41.2	14.6
11:00 AM - 12:00 PM	62.9	59.7	60.1	-	41.9	18.2
12:00 PM - 01:00 PM	61.4	58.2	58.6	-	40.4	18.2
01:00 PM - 02:00 PM	56.5	53.3	53.7	-	40.2	13.5
02:00 PM - 03:00 PM	56.9	53.7	54.1	-	40.0	14.1
ค่ามาตรฐาน						≤ 10

Reference Method :
1. ISO 1996-1
2. ประกาศกรมโรงงานอุตสาหกรรม เรื่อง วิธีการตรวจวัดระดับเสียงการรบกวน ระดับเสียงเฉลี่ย 24 ชั่วโมง และระดับเสียงสูงสุดที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2567

มาตรฐาน
1. ประกาศกระทรวงอุตสาหกรรม เรื่อง กำหนดค่าระดับเสียงการรบกวนและระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548
2. ประกาศกระทรวงสาธารณสุข เรื่อง กำหนดค่ามาตรฐานมลพิษทางเสียงอันเกิดจากการประกอบกิจการที่เป็นอันตรายต่อสุขภาพ พ.ศ. 2561

Remark:
1. ระดับเสียงจากแหล่งกำเนิด ทำการตรวจวัด วันที่ 07-08 พฤษภาคม 2567
2. ระดับเสียงพื้นฐานและระดับเสียงขณะไม่มีการรบกวน (Sample No.2448812-8 วันที่ตรวจวัด 07-08 พฤษภาคม 2567)
3. n/a: ไม่สามารถคำนวณระดับเสียงขณะมีการรบกวนเนื่องจากระดับเสียงจากแหล่งกำเนิดน้อยกว่าระดับเสียงขณะไม่มีการรบกวน

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

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

P/O : RJN(2)-018/66
Project Name : Pluak Daeng
Project Location :

Lot ID: 2448811
Date Received :May 16, 2024
Date Reported :May 23, 2024
Report Number : 2997449-1

Sample No. 2448811-9
Parameter เสียงรบกวน
Location บ้านพักอาศัย หมู่ 2 ซ.มาบยางพร 15 (N2) (GPS 47P 0733648, 1434012)
Measurement Date May 08 - 09, 2024
Measurement by Saknarin Jaraskay
Sound Level Meter 920831

ระดับเสียง (dB(A))						
เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าระดับการรบกวน
			กลางวัน	กลางคืน		
03:00 PM - 04:00 PM	57.7	54.5	54.9	-	41.5	13.4
04:00 PM - 05:00 PM	60.4	57.2	57.6	-	42.7	14.9
05:00 PM - 06:00 PM	62.3	59.1	59.5	-	44.6	14.9
06:00 PM - 07:00 PM	60.6	57.4	57.8	-	43.7	14.1
07:00 PM - 08:00 PM	62.7	59.5	59.9	-	45.2	14.7
08:00 PM - 09:00 PM	61.8	58.6	59.0	-	43.0	16.0
09:00 PM - 10:00 PM	58.1	54.9	55.3	-	38.7	16.6
10:00 PM - 10:05 PM	54.7	51.5	-	54.9	37.0	17.9
10:05 PM - 10:10 PM	53.2	50.0	-	53.4	37.1	16.3
10:10 PM - 10:15 PM	51.1	47.9	-	51.3	35.9	15.4
10:15 PM - 10:20 PM	52.5	49.3	-	52.7	35.9	16.8
10:20 PM - 10:25 PM	51.6	48.4	-	51.8	35.3	16.5
10:25 PM - 10:30 PM	51.5	48.3	-	51.7	35.7	16.0
10:30 PM - 10:35 PM	52.6	49.4	-	52.8	35.6	17.2
10:35 PM - 10:40 PM	50.7	47.5	-	50.9	36.4	14.5
10:40 PM - 10:45 PM	53.3	50.1	-	53.5	36.1	17.4
10:45 PM - 10:50 PM	52.0	48.8	-	52.2	35.9	16.3
10:50 PM - 10:55 PM	47.5	44.3	-	47.7	35.7	12.0
10:55 PM - 11:00 PM	52.9	49.7	-	53.1	36.5	16.6
11:00 PM - 11:05 PM	53.2	50.0	-	53.4	35.9	17.5
11:05 PM - 11:10 PM	46.2	43.0	-	46.4	36.6	9.8
11:10 PM - 11:15 PM	47.7	44.5	-	47.9	36.4	11.5
11:15 PM - 11:20 PM	46.7	43.5	-	46.9	36.0	10.9
11:20 PM - 11:25 PM	56.2	53.0	-	56.4	36.5	19.9
11:25 PM - 11:30 PM	39.8	36.6	-	40.0	34.6	5.4
11:30 PM - 11:35 PM	49.0	45.8	-	49.2	34.6	14.6
11:35 PM - 11:40 PM	51.2	48.0	-	51.4	35.0	16.4
11:40 PM - 11:45 PM	55.8	52.6	-	56.0	36.4	19.6
11:45 PM - 11:50 PM	52.9	49.7	-	53.1	35.7	17.4
11:50 PM - 11:55 PM	54.6	51.4	-	54.8	35.6	19.2
11:55 PM - 12:00 AM	48.1	44.9	-	48.3	35.1	13.2
12:00 AM - 12:05 AM	46.2	43.0	-	46.4	36.2	10.2
12:05 AM - 12:10 AM	48.8	45.6	-	49.0	35.0	14.0
12:10 AM - 12:15 AM	44.4	41.2	-	44.6	34.1	10.5
12:15 AM - 12:20 AM	52.2	49.0	-	52.4	34.3	18.1
12:20 AM - 12:25 AM	56.7	53.5	-	56.9	35.3	21.6
12:25 AM - 12:30 AM	52.7	49.5	-	52.9	35.1	17.8
12:30 AM - 12:35 AM	44.0	40.8	-	44.2	33.6	10.6
12:35 AM - 12:40 AM	46.1	42.9	-	46.3	33.5	12.8
12:40 AM - 12:45 AM	55.9	52.7	-	56.1	34.9	21.2

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

Approved by

Wilawan Borirak
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)-018/66
Project Name : Pluak Daeng
Project Location :

Lot ID: 2448811
Date Received :May 16, 2024
Date Reported :May 23, 2024
Report Number : 2997449-1

Sample No. 2448811-9
Parameter เสียงรบกวน
Location บ้านพักอาศัย หมู่ 2 ซ.มาบยางพร 15 (N2) (GPS 47P 0733648, 1434012)
Measurement Date May 08 - 09, 2024
Measurement by Saknarin Jaraskay
Sound Level Meter 920831

ระดับเสียง (dB(A))						
เวลา	เสียงจาก แหล่งกำเนิด	เสียงขณะ ไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าระดับ การรบกวน
			กลางวัน	กลางคืน		
12:45 AM - 12:50 AM	50.1	46.9	-	50.3	34.9	15.4
12:50 AM - 12:55 AM	53.3	50.1	-	53.5	34.5	19.0
12:55 AM - 01:00 AM	52.7	49.5	-	52.9	34.8	18.1
01:00 AM - 01:05 AM	43.3	40.1	-	43.5	33.7	9.8
01:05 AM - 01:10 AM	42.9	39.7	-	43.1	33.6	9.5
01:10 AM - 01:15 AM	41.0	37.8	-	41.2	33.0	8.2
01:15 AM - 01:20 AM	46.6	43.4	-	46.8	33.7	13.1
01:20 AM - 01:25 AM	46.7	43.5	-	46.9	33.6	13.3
01:25 AM - 01:30 AM	58.1	54.9	-	58.3	33.6	24.7
01:30 AM - 01:35 AM	57.3	54.1	-	57.5	34.8	22.7
01:35 AM - 01:40 AM	44.3	41.1	-	44.5	35.0	9.5
01:40 AM - 01:45 AM	39.1	35.9	-	39.3	35.2	4.1
01:45 AM - 01:50 AM	41.6	38.4	-	41.8	34.6	7.2
01:50 AM - 01:55 AM	46.3	43.1	-	46.5	34.6	11.9
01:55 AM - 02:00 AM	44.1	40.9	-	44.3	35.0	9.3
02:00 AM - 02:05 AM	50.3	47.1	-	50.5	34.9	15.6
02:05 AM - 02:10 AM	38.6	35.4	-	38.8	34.4	4.4
02:10 AM - 02:15 AM	39.1	35.9	-	39.3	35.0	4.3
02:15 AM - 02:20 AM	57.7	54.5	-	57.9	35.7	22.2
02:20 AM - 02:25 AM	38.9	35.7	-	39.1	35.1	4.0
02:25 AM - 02:30 AM	38.6	35.4	-	38.8	34.6	4.2
02:30 AM - 02:35 AM	38.7	35.5	-	38.9	34.9	4.0
02:35 AM - 02:40 AM	43.9	40.7	-	44.1	35.6	8.5
02:40 AM - 02:45 AM	54.5	51.3	-	54.7	37.2	17.5
02:45 AM - 02:50 AM	48.6	45.4	-	48.8	36.4	12.4
02:50 AM - 02:55 AM	48.4	45.2	-	48.6	34.9	13.7
02:55 AM - 03:00 AM	47.7	44.5	-	47.9	35.0	12.9
03:00 AM - 03:05 AM	46.0	42.8	-	46.2	35.0	11.2
03:05 AM - 03:10 AM	44.0	40.8	-	44.2	34.8	9.4
03:10 AM - 03:15 AM	38.5	35.3	-	38.7	34.5	4.2
03:15 AM - 03:20 AM	47.4	44.2	-	47.6	35.6	12.0
03:20 AM - 03:25 AM	47.9	44.7	-	48.1	37.2	10.9
03:25 AM - 03:30 AM	50.2	47.0	-	50.4	37.4	13.0
03:30 AM - 03:35 AM	48.7	45.5	-	48.9	37.8	11.1
03:35 AM - 03:40 AM	46.8	43.6	-	47.0	38.3	8.7
03:40 AM - 03:45 AM	50.1	46.9	-	50.3	38.3	12.0
03:45 AM - 03:50 AM	44.7	41.5	-	44.9	37.4	7.5
03:50 AM - 03:55 AM	45.1	41.9	-	45.3	38.6	6.7
03:55 AM - 04:00 AM	49.5	46.3	-	49.7	39.7	10.0
04:00 AM - 04:05 AM	47.3	44.1	-	47.5	39.5	8.0

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Approved by

Wilawan Borirak
Manager

Analysis / Test Report

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

Lot ID: 2448811
Date Received :May 16, 2024
Date Reported :May 23, 2024
Report Number : 2997449-1

P/O : RJN(2)-018/66
Project Name : Pluak Daeng
Project Location :

Sample No. 2448811-9
Parameter เสียงรบกวน
Location บ้านพักอาศัย หมู่ 2 ซ.มาบยางพร 15 (N2) (GPS 47P 0733648, 1434012)
Measurement Date May 08 - 09, 2024
Measurement by Saknarin Jaraskay
Sound Level Meter 920831

ระดับเสียง (dB(A))						
เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าระดับการรบกวน
			กลางวัน	กลางคืน		
04:05 AM - 04:10 AM	46.8	43.6	-	47.0	40.5	6.5
04:10 AM - 04:15 AM	53.9	50.7	-	54.1	42.1	12.0
04:15 AM - 04:20 AM	67.3	64.1	-	67.5	40.5	27.0
04:20 AM - 04:25 AM	51.6	48.4	-	51.8	38.7	13.1
04:25 AM - 04:30 AM	47.6	44.4	-	47.8	37.6	10.2
04:30 AM - 04:35 AM	48.8	45.6	-	49.0	36.7	12.3
04:35 AM - 04:40 AM	46.8	43.6	-	47.0	35.3	11.7
04:40 AM - 04:45 AM	53.3	50.1	-	53.5	35.3	18.2
04:45 AM - 04:50 AM	51.5	48.3	-	51.7	35.6	16.1
04:50 AM - 04:55 AM	52.2	49.0	-	52.4	35.4	17.0
04:55 AM - 05:00 AM	55.0	51.8	-	55.2	35.7	19.5
05:00 AM - 05:05 AM	51.9	48.7	-	52.1	35.8	16.3
05:05 AM - 05:10 AM	48.6	45.4	-	48.8	36.3	12.5
05:10 AM - 05:15 AM	54.5	51.3	-	54.7	36.8	17.9
05:15 AM - 05:20 AM	57.9	54.7	-	58.1	38.4	19.7
05:20 AM - 05:25 AM	63.3	60.1	-	63.5	39.3	24.2
05:25 AM - 05:30 AM	57.7	54.5	-	57.9	37.9	20.0
05:30 AM - 05:35 AM	57.0	53.8	-	57.2	39.1	18.1
05:35 AM - 05:40 AM	59.3	56.1	-	59.5	40.0	19.5
05:40 AM - 05:45 AM	58.1	54.9	-	58.3	40.0	18.3
05:45 AM - 05:50 AM	59.4	56.2	-	59.6	39.9	19.7
05:50 AM - 05:55 AM	56.5	53.3	-	56.7	38.5	18.2
05:55 AM - 06:00 AM	56.7	53.5	-	56.9	39.1	17.8
06:00 AM - 07:00 AM	61.5	58.3	58.7	-	44.8	13.9
07:00 AM - 08:00 AM	65.2	62.0	62.4	-	48.3	14.1
08:00 AM - 09:00 AM	62.0	58.8	59.2	-	41.7	17.5
09:00 AM - 10:00 AM	59.2	56.0	56.4	-	40.8	15.6
10:00 AM - 11:00 AM	59.5	56.3	56.7	-	42.2	14.5
11:00 AM - 12:00 PM	60.7	57.5	57.9	-	43.2	14.7
12:00 PM - 01:00 PM	59.7	56.5	56.9	-	42.3	14.6
01:00 PM - 02:00 PM	59.1	55.9	56.3	-	40.6	15.7
02:00 PM - 03:00 PM	60.3	57.1	57.5	-	43.7	13.8
ค่ามาตรฐาน						≤ 10

Reference Method :
1. ISO 1996-1
2. ประกาศกรมโรงงานอุตสาหกรรม เรื่อง วิธีการตรวจวัดระดับเสียงการรบกวน ระดับเสียงเฉลี่ย 24 ชั่วโมง และระดับเสียงสูงสุดที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2567

มาตรฐาน
1. ประกาศกระทรวงอุตสาหกรรม เรื่อง กำหนดค่าระดับเสียงการรบกวนและระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548
2. ประกาศกระทรวงสาธารณสุข เรื่อง กำหนดค่ามาตรฐานมลพิษทางเสียงอันเกิดจากการประกอบกิจการที่เป็นอันตรายต่อสุขภาพ พ.ศ. 2561

Remark:
1. ระดับเสียงจากแหล่งกำเนิด ทำการตรวจวัด วันที่ 08-09 พฤษภาคม 2567
2. ระดับเสียงพื้นฐานและระดับเสียงขณะไม่มีการรบกวน (Sample No.2448812-9 วันที่ตรวจวัด 08-09 พฤษภาคม 2567)
3. n/a: ไม่สามารถคำนวณระดับเสียงขณะมีการรบกวนเนื่องจากระดับเสียงจากแหล่งกำเนิดน้อยกว่าระดับเสียงขณะไม่มีการรบกวน

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

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

P/O : RJN(2)-018/66
Project Name : Pluak Daeng
Project Location :

Lot ID: 2448811
Date Received :May 16, 2024
Date Reported :May 23, 2024
Report Number : 2997450-1

Sample No. 2448811-10
Parameter เสียงรบกวน
Location บ้านพักอาศัย หมู่ 2 ซ.มาบยางพร 15 (N2) (GPS 47P 0733648, 1434012)
Measurement Date May 09 - 10, 2024
Measurement by Saknarin Jaraskay
Sound Level Meter 920831

ระดับเสียง (dB(A))						
เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าระดับการรบกวน
			กลางวัน	กลางคืน		
03:00 PM - 04:00 PM	65.6	62.4	62.8	-	54.1	8.7
04:00 PM - 05:00 PM	63.1	59.9	60.3	-	51.9	8.4
05:00 PM - 06:00 PM	62.8	59.6	60.0	-	45.8	14.2
06:00 PM - 07:00 PM	62.1	58.9	59.3	-	42.8	16.5
07:00 PM - 08:00 PM	63.7	60.5	60.9	-	47.2	13.7
08:00 PM - 09:00 PM	61.8	58.6	59.0	-	42.6	16.4
09:00 PM - 10:00 PM	55.2	52.0	52.4	-	36.7	15.7
10:00 PM - 10:05 PM	56.0	52.8	-	56.2	37.0	19.2
10:05 PM - 10:10 PM	53.8	50.6	-	54.0	36.2	17.8
10:10 PM - 10:15 PM	50.4	47.2	-	50.6	36.1	14.5
10:15 PM - 10:20 PM	50.3	47.1	-	50.5	35.7	14.8
10:20 PM - 10:25 PM	48.2	45.0	-	48.4	35.8	12.6
10:25 PM - 10:30 PM	50.4	47.2	-	50.6	36.2	14.4
10:30 PM - 10:35 PM	57.9	54.7	-	58.1	36.3	21.8
10:35 PM - 10:40 PM	53.7	50.5	-	53.9	36.6	17.3
10:40 PM - 10:45 PM	50.7	47.5	-	50.9	36.5	14.4
10:45 PM - 10:50 PM	56.4	53.2	-	56.6	36.3	20.3
10:50 PM - 10:55 PM	42.8	39.6	-	43.0	35.2	7.8
10:55 PM - 11:00 PM	53.0	49.8	-	53.2	35.3	17.9
11:00 PM - 11:05 PM	50.7	47.5	-	50.9	35.0	15.9
11:05 PM - 11:10 PM	48.8	45.6	-	49.0	35.4	13.6
11:10 PM - 11:15 PM	55.7	52.5	-	55.9	35.3	20.6
11:15 PM - 11:20 PM	43.8	40.6	-	44.0	34.7	9.3
11:20 PM - 11:25 PM	55.5	52.3	-	55.7	36.1	19.6
11:25 PM - 11:30 PM	50.2	47.0	-	50.4	36.0	14.4
11:30 PM - 11:35 PM	46.8	43.6	-	47.0	35.2	11.8
11:35 PM - 11:40 PM	46.9	43.7	-	47.1	35.3	11.8
11:40 PM - 11:45 PM	49.6	46.4	-	49.8	34.6	15.2
11:45 PM - 11:50 PM	48.6	45.4	-	48.8	34.7	14.1
11:50 PM - 11:55 PM	52.3	49.1	-	52.5	34.9	17.6
11:55 PM - 12:00 AM	44.7	41.5	-	44.9	33.9	11.0
12:00 AM - 12:05 AM	59.1	55.9	-	59.3	34.4	24.9
12:05 AM - 12:10 AM	59.6	56.4	-	59.8	34.4	25.4
12:10 AM - 12:15 AM	52.1	48.9	-	52.3	33.9	18.4
12:15 AM - 12:20 AM	48.9	45.7	-	49.1	33.6	15.5
12:20 AM - 12:25 AM	56.4	53.2	-	56.6	34.5	22.1
12:25 AM - 12:30 AM	38.6	35.4	-	38.8	33.8	5.0
12:30 AM - 12:35 AM	51.8	48.6	-	52.0	33.4	18.6
12:35 AM - 12:40 AM	48.7	45.5	-	48.9	33.0	15.9
12:40 AM - 12:45 AM	49.4	46.2	-	49.6	34.2	15.4

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Approved by

Wilawan Borirak
Manager

Analysis / Test Report

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

Lot ID: 2448811
Date Received :May 16, 2024
Date Reported :May 23, 2024
Report Number : 2997450-1

P/O : RJN(2)-018/66
Project Name : Pluak Daeng
Project Location :

Sample No. 2448811-10
Parameter เสียงรบกวน
Location บ้านพักอาศัย หมู่ 2 ซ.มาบยางพร 15 (N2) (GPS 47P 0733648, 1434012)
Measurement Date May 09 - 10, 2024
Measurement by Saknarin Jaraskay
Sound Level Meter 920831

ระดับเสียง (dB(A))						
เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าระดับการรบกวน
			กลางวัน	กลางคืน		
12:45 AM - 12:50 AM	45.0	41.8	-	45.2	33.3	11.9
12:50 AM - 12:55 AM	40.6	37.4	-	40.8	34.3	6.5
12:55 AM - 01:00 AM	64.3	61.1	-	64.5	34.8	29.7
01:00 AM - 01:05 AM	56.0	52.8	-	56.2	34.7	21.5
01:05 AM - 01:10 AM	42.3	39.1	-	42.5	34.3	8.2
01:10 AM - 01:15 AM	39.1	35.9	-	39.3	33.8	5.5
01:15 AM - 01:20 AM	40.3	37.1	-	40.5	34.4	6.1
01:20 AM - 01:25 AM	44.9	41.7	-	45.1	34.9	10.2
01:25 AM - 01:30 AM	47.3	44.1	-	47.5	34.6	12.9
01:30 AM - 01:35 AM	46.6	43.4	-	46.8	34.6	12.2
01:35 AM - 01:40 AM	49.9	46.7	-	50.1	34.5	15.6
01:40 AM - 01:45 AM	39.4	36.2	-	39.6	35.3	4.3
01:45 AM - 01:50 AM	43.7	40.5	-	43.9	35.7	8.2
01:50 AM - 01:55 AM	51.6	48.4	-	51.8	35.9	15.9
01:55 AM - 02:00 AM	52.0	48.8	-	52.2	35.2	17.0
02:00 AM - 02:05 AM	45.5	42.3	-	45.7	34.5	11.2
02:05 AM - 02:10 AM	39.7	36.5	-	39.9	33.8	6.1
02:10 AM - 02:15 AM	42.9	39.7	-	43.1	33.2	9.9
02:15 AM - 02:20 AM	37.1	33.9	-	37.3	32.7	4.6
02:20 AM - 02:25 AM	43.6	40.4	-	43.8	33.6	10.2
02:25 AM - 02:30 AM	48.0	44.8	-	48.2	35.1	13.1
02:30 AM - 02:35 AM	49.2	46.0	-	49.4	35.8	13.6
02:35 AM - 02:40 AM	41.2	38.0	-	41.4	34.3	7.1
02:40 AM - 02:45 AM	58.4	55.2	-	58.6	35.4	23.2
02:45 AM - 02:50 AM	40.7	37.5	-	40.9	36.4	4.5
02:50 AM - 02:55 AM	45.9	42.7	-	46.1	36.8	9.3
02:55 AM - 03:00 AM	41.3	38.1	-	41.5	36.7	4.8
03:00 AM - 03:05 AM	42.0	38.8	-	42.2	36.4	5.8
03:05 AM - 03:10 AM	51.0	47.8	-	51.2	37.2	14.0
03:10 AM - 03:15 AM	48.5	45.3	-	48.7	36.1	12.6
03:15 AM - 03:20 AM	42.9	39.7	-	43.1	35.8	7.3
03:20 AM - 03:25 AM	51.2	48.0	-	51.4	35.9	15.5
03:25 AM - 03:30 AM	50.3	47.1	-	50.5	35.5	15.0
03:30 AM - 03:35 AM	46.6	43.4	-	46.8	35.7	11.1
03:35 AM - 03:40 AM	50.1	46.9	-	50.3	35.9	14.4
03:40 AM - 03:45 AM	44.6	41.4	-	44.8	35.8	9.0
03:45 AM - 03:50 AM	49.0	45.8	-	49.2	35.6	13.6
03:50 AM - 03:55 AM	45.8	42.6	-	46.0	36.1	9.9
03:55 AM - 04:00 AM	50.2	47.0	-	50.4	36.0	14.4
04:00 AM - 04:05 AM	48.6	45.4	-	48.8	34.9	13.9

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Approved by

Wilawan Borirak
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)-018/66
Project Name : Pluak Daeng
Project Location :

Lot ID: 2448811
Date Received :May 16, 2024
Date Reported :May 23, 2024
Report Number : 2997450-1

Sample No. 2448811-10
Parameter เสียงรบกวน
Location บ้านพักอาศัย หมู่ 2 ซ.มาบยางพร 15 (N2) (GPS 47P 0733648, 1434012)
Measurement Date May 09 - 10, 2024
Measurement by Saknarin Jaraskay
Sound Level Meter 920831

ระดับเสียง (dB(A))						
เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าระดับการรบกวน
			กลางวัน	กลางคืน		
04:05 AM - 04:10 AM	45.8	42.6	-	46.0	35.6	10.4
04:10 AM - 04:15 AM	49.3	46.1	-	49.5	35.9	13.6
04:15 AM - 04:20 AM	48.6	45.4	-	48.8	36.2	12.6
04:20 AM - 04:25 AM	52.0	48.8	-	52.2	36.1	16.1
04:25 AM - 04:30 AM	55.9	52.7	-	56.1	36.6	19.5
04:30 AM - 04:35 AM	54.2	51.0	-	54.4	42.1	12.3
04:35 AM - 04:40 AM	52.4	49.2	-	52.6	41.8	10.8
04:40 AM - 04:45 AM	50.8	47.6	-	51.0	37.3	13.7
04:45 AM - 04:50 AM	51.2	48.0	-	51.4	36.1	15.3
04:50 AM - 04:55 AM	53.5	50.3	-	53.7	35.9	17.8
04:55 AM - 05:00 AM	52.9	49.7	-	53.1	36.9	16.2
05:00 AM - 05:05 AM	51.0	47.8	-	51.2	37.5	13.7
05:05 AM - 05:10 AM	52.7	49.5	-	52.9	38.3	14.6
05:10 AM - 05:15 AM	54.9	51.7	-	55.1	38.6	16.5
05:15 AM - 05:20 AM	53.9	50.7	-	54.1	38.9	15.2
05:20 AM - 05:25 AM	55.6	52.4	-	55.8	38.7	17.1
05:25 AM - 05:30 AM	59.3	56.1	-	59.5	38.6	20.9
05:30 AM - 05:35 AM	58.5	55.3	-	58.7	41.2	17.5
05:35 AM - 05:40 AM	58.0	54.8	-	58.2	40.0	18.2
05:40 AM - 05:45 AM	61.4	58.2	-	61.6	40.9	20.7
05:45 AM - 05:50 AM	59.8	56.6	-	60.0	41.4	18.6
05:50 AM - 05:55 AM	56.5	53.3	-	56.7	40.8	15.9
05:55 AM - 06:00 AM	57.8	54.6	-	58.0	40.0	18.0
06:00 AM - 07:00 AM	61.9	58.7	59.1	-	45.4	13.7
07:00 AM - 08:00 AM	64.5	61.3	61.7	-	49.6	12.1
08:00 AM - 09:00 AM	61.7	58.5	58.9	-	42.2	16.7
09:00 AM - 10:00 AM	61.2	58.0	58.4	-	41.0	17.4
10:00 AM - 11:00 AM	58.6	55.4	55.8	-	41.4	14.4
11:00 AM - 12:00 PM	60.0	56.8	57.2	-	43.3	13.9
12:00 PM - 01:00 PM	61.6	58.4	58.8	-	42.9	15.9
01:00 PM - 02:00 PM	56.3	53.1	53.5	-	42.6	10.9
02:00 PM - 03:00 PM	57.9	54.7	55.1	-	43.3	11.8
ค่ามาตรฐาน						≤ 10

Reference Method :
1. ISO 1996-1
2. ประกาศกรมโรงงานอุตสาหกรรม เรื่อง วิธีการตรวจวัดระดับเสียงการรบกวน ระดับเสียงเฉลี่ย 24 ชั่วโมง และระดับเสียงสูงสุดที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2567

มาตรฐาน
1. ประกาศกระทรวงอุตสาหกรรม เรื่อง กำหนดค่าระดับเสียงการรบกวนและระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548
2. ประกาศกระทรวงสาธารณสุข เรื่อง กำหนดค่ามาตรฐานมลพิษทางเสียงอันเกิดจากการประกอบกิจการที่เป็นอันตรายต่อสุขภาพ พ.ศ. 2561

Remark:
1. ระดับเสียงจากแหล่งกำเนิด ทำการตรวจวัด วันที่ 09-10 พฤษภาคม 2567
2. ระดับเสียงพื้นฐานและระดับเสียงขณะไม่มีการรบกวน (Sample No.2448812-10 วันที่ตรวจวัด 09-10 พฤษภาคม 2567)
3. n/a: ไม่สามารถคำนวณระดับเสียงขณะมีการรบกวนเนื่องจากระดับเสียงจากแหล่งกำเนิดน้อยกว่าระดับเสียงขณะไม่มีการรบกวน

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

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

P/O : RJN(2)-018/66
Project Name : Pluak Daeng
Project Location :

Lot ID: 2448811
Date Received :May 16, 2024
Date Reported :May 23, 2024
Report Number : 2997451-1

Sample No. 2448811-11
Parameter เสียงรบกวน
Location บ้านพักอาศัย หมู่ 2 ซ.มาบยางพร 15 (N2) (GPS 47P 0733648, 1434012)
Measurement Date May 10 - 11, 2024
Measurement by Saknarin Jaraskay
Sound Level Meter 920831

ระดับเสียง (dB(A))						
เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าระดับการรบกวน
			กลางวัน	กลางคืน		
03:00 PM - 04:00 PM	60.5	57.3	57.7	-	42.7	15.0
04:00 PM - 05:00 PM	61.3	58.1	58.5	-	44.8	13.7
05:00 PM - 06:00 PM	63.2	60.0	60.4	-	46.6	13.8
06:00 PM - 07:00 PM	61.2	58.0	58.4	-	44.0	14.4
07:00 PM - 08:00 PM	62.0	58.8	59.2	-	45.7	13.5
08:00 PM - 09:00 PM	61.3	58.1	58.5	-	42.4	16.1
09:00 PM - 10:00 PM	57.6	54.4	54.8	-	38.3	16.5
10:00 PM - 10:05 PM	54.1	50.9	-	54.3	38.0	16.3
10:05 PM - 10:10 PM	56.3	53.1	-	56.5	37.3	19.2
10:10 PM - 10:15 PM	53.8	50.6	-	54.0	36.9	17.1
10:15 PM - 10:20 PM	60.6	57.4	-	60.8	38.9	21.9
10:20 PM - 10:25 PM	51.6	48.4	-	51.8	37.5	14.3
10:25 PM - 10:30 PM	55.1	51.9	-	55.3	36.7	18.6
10:30 PM - 10:35 PM	52.8	49.6	-	53.0	36.7	16.3
10:35 PM - 10:40 PM	58.4	55.2	-	58.6	37.8	20.8
10:40 PM - 10:45 PM	59.2	56.0	-	59.4	38.0	21.4
10:45 PM - 10:50 PM	58.6	55.4	-	58.8	37.6	21.2
10:50 PM - 10:55 PM	52.2	49.0	-	52.4	37.2	15.2
10:55 PM - 11:00 PM	64.9	61.7	-	65.1	38.3	26.8
11:00 PM - 11:05 PM	54.7	51.5	-	54.9	38.3	16.6
11:05 PM - 11:10 PM	59.1	55.9	-	59.3	38.3	21.0
11:10 PM - 11:15 PM	54.1	50.9	-	54.3	37.8	16.5
11:15 PM - 11:20 PM	52.6	49.4	-	52.8	38.3	14.5
11:20 PM - 11:25 PM	49.8	46.6	-	50.0	37.7	12.3
11:25 PM - 11:30 PM	50.2	47.0	-	50.4	37.6	12.8
11:30 PM - 11:35 PM	58.8	55.6	-	59.0	37.8	21.2
11:35 PM - 11:40 PM	50.7	47.5	-	50.9	37.3	13.6
11:40 PM - 11:45 PM	49.9	46.7	-	50.1	36.8	13.3
11:45 PM - 11:50 PM	54.3	51.1	-	54.5	37.4	17.1
11:50 PM - 11:55 PM	52.9	49.7	-	53.1	36.6	16.5
11:55 PM - 12:00 AM	55.0	51.8	-	55.2	36.6	18.6
12:00 AM - 12:05 AM	49.1	45.9	-	49.3	37.2	12.1
12:05 AM - 12:10 AM	57.5	54.3	-	57.7	37.3	20.4
12:10 AM - 12:15 AM	54.4	51.2	-	54.6	37.7	16.9
12:15 AM - 12:20 AM	53.5	50.3	-	53.7	38.1	15.6
12:20 AM - 12:25 AM	57.0	53.8	-	57.2	37.4	19.8
12:25 AM - 12:30 AM	58.9	55.7	-	59.1	38.8	20.3
12:30 AM - 12:35 AM	53.7	50.5	-	53.9	37.9	16.0
12:35 AM - 12:40 AM	49.8	46.6	-	50.0	38.1	11.9
12:40 AM - 12:45 AM	50.9	47.7	-	51.1	38.4	12.7

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Approved by

Wilawan Borirak
Manager

Analysis / Test Report

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

Lot ID: 2448811
Date Received :May 16, 2024
Date Reported :May 23, 2024
Report Number : 2997451-1

P/O : RJN(2)-018/66
Project Name : Pluak Daeng
Project Location :

Sample No. 2448811-11
Parameter เสียงรบกวน
Location บ้านพักอาศัย หมู่ 2 ซ.มาบยางพร 15 (N2) (GPS 47P 0733648, 1434012)
Measurement Date May 10 - 11, 2024
Measurement by Saknarin Jaraskay
Sound Level Meter 920831

ระดับเสียง (dB(A))						
เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าระดับการรบกวน
			กลางวัน	กลางคืน		
12:45 AM - 12:50 AM	50.0	46.8	-	50.2	38.0	12.2
12:50 AM - 12:55 AM	46.3	43.1	-	46.5	38.0	8.5
12:55 AM - 01:00 AM	49.7	46.5	-	49.9	37.3	12.6
01:00 AM - 01:05 AM	57.6	54.4	-	57.8	36.7	21.1
01:05 AM - 01:10 AM	50.6	47.4	-	50.8	36.2	14.6
01:10 AM - 01:15 AM	49.1	45.9	-	49.3	37.9	11.4
01:15 AM - 01:20 AM	45.1	41.9	-	45.3	37.0	8.3
01:20 AM - 01:25 AM	52.3	49.1	-	52.5	37.2	15.3
01:25 AM - 01:30 AM	41.9	38.7	-	42.1	36.9	5.2
01:30 AM - 01:35 AM	49.5	46.3	-	49.7	38.3	11.4
01:35 AM - 01:40 AM	47.1	43.9	-	47.3	38.4	8.9
01:40 AM - 01:45 AM	55.0	51.8	-	55.2	37.0	18.2
01:45 AM - 01:50 AM	43.3	40.1	-	43.5	36.1	7.4
01:50 AM - 01:55 AM	39.5	36.3	-	39.7	35.3	4.4
01:55 AM - 02:00 AM	51.4	48.2	-	51.6	34.8	16.8
02:00 AM - 02:05 AM	48.1	44.9	-	48.3	33.6	14.7
02:05 AM - 02:10 AM	37.4	34.2	-	37.6	33.4	4.2
02:10 AM - 02:15 AM	45.0	41.8	-	45.2	33.9	11.3
02:15 AM - 02:20 AM	43.0	39.8	-	43.2	33.6	9.6
02:20 AM - 02:25 AM	38.4	35.2	-	38.6	33.5	5.1
02:25 AM - 02:30 AM	46.6	43.4	-	46.8	34.5	12.3
02:30 AM - 02:35 AM	41.6	38.4	-	41.8	33.9	7.9
02:35 AM - 02:40 AM	38.9	35.7	-	39.1	34.1	5.0
02:40 AM - 02:45 AM	37.9	34.7	-	38.1	33.8	4.3
02:45 AM - 02:50 AM	46.6	43.4	-	46.8	34.2	12.6
02:50 AM - 02:55 AM	45.2	42.0	-	45.4	34.1	11.3
02:55 AM - 03:00 AM	39.9	36.7	-	40.1	34.9	5.2
03:00 AM - 03:05 AM	52.2	49.0	-	52.4	35.4	17.0
03:05 AM - 03:10 AM	58.6	55.4	-	58.8	36.3	22.5
03:10 AM - 03:15 AM	55.6	52.4	-	55.8	36.2	19.6
03:15 AM - 03:20 AM	55.9	52.7	-	56.1	35.3	20.8
03:20 AM - 03:25 AM	49.7	46.5	-	49.9	34.5	15.4
03:25 AM - 03:30 AM	50.9	47.7	-	51.1	33.7	17.4
03:30 AM - 03:35 AM	52.0	48.8	-	52.2	32.6	19.6
03:35 AM - 03:40 AM	44.7	41.5	-	44.9	32.9	12.0
03:40 AM - 03:45 AM	37.7	34.5	-	37.9	33.1	4.8
03:45 AM - 03:50 AM	47.2	44.0	-	47.4	33.4	14.0
03:50 AM - 03:55 AM	49.7	46.5	-	49.9	33.0	16.9
03:55 AM - 04:00 AM	52.0	48.8	-	52.2	32.5	19.7
04:00 AM - 04:05 AM	46.3	43.1	-	46.5	32.3	14.2

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Approved by

Wilawan Borirak
Manager

Analysis / Test Report

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

Lot ID: 2448811
Date Received :May 16, 2024
Date Reported :May 23, 2024
Report Number : 2997451-1

P/O : RJN(2)-018/66
Project Name : Pluak Daeng
Project Location :

Sample No. 2448811-11
Parameter เสียงรบกวน
Location บ้านพักอาศัย หมู่ 2 ซ.มาบยางพร 15 (N2) (GPS 47P 0733648, 1434012)
Measurement Date May 10 - 11, 2024
Measurement by Saknarin Jaraskay
Sound Level Meter 920831

ระดับเสียง (dB(A))						
เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าระดับการรบกวน
			กลางวัน	กลางคืน		
04:05 AM - 04:10 AM	49.9	46.7	-	50.1	32.8	17.3
04:10 AM - 04:15 AM	49.0	45.8	-	49.2	32.9	16.3
04:15 AM - 04:20 AM	52.1	48.9	-	52.3	33.0	19.3
04:20 AM - 04:25 AM	52.7	49.5	-	52.9	33.1	19.8
04:25 AM - 04:30 AM	50.5	47.3	-	50.7	34.1	16.6
04:30 AM - 04:35 AM	48.7	45.5	-	48.9	34.8	14.1
04:35 AM - 04:40 AM	54.4	51.2	-	54.6	36.4	18.2
04:40 AM - 04:45 AM	48.1	44.9	-	48.3	35.6	12.7
04:45 AM - 04:50 AM	49.8	46.6	-	50.0	36.7	13.3
04:50 AM - 04:55 AM	54.4	51.2	-	54.6	37.9	16.7
04:55 AM - 05:00 AM	56.1	52.9	-	56.3	38.9	17.4
05:00 AM - 05:05 AM	54.5	51.3	-	54.7	37.2	17.5
05:05 AM - 05:10 AM	55.6	52.4	-	55.8	36.7	19.1
05:10 AM - 05:15 AM	52.6	49.4	-	52.8	36.3	16.5
05:15 AM - 05:20 AM	53.3	50.1	-	53.5	37.1	16.4
05:20 AM - 05:25 AM	56.1	52.9	-	56.3	37.8	18.5
05:25 AM - 05:30 AM	52.8	49.6	-	53.0	37.4	15.6
05:30 AM - 05:35 AM	56.0	52.8	-	56.2	38.7	17.5
05:35 AM - 05:40 AM	55.1	51.9	-	55.3	37.2	18.1
05:40 AM - 05:45 AM	58.6	55.4	-	58.8	39.2	19.6
05:45 AM - 05:50 AM	55.6	52.4	-	55.8	39.0	16.8
05:50 AM - 05:55 AM	56.4	53.2	-	56.6	38.2	18.4
05:55 AM - 06:00 AM	61.8	58.6	-	62.0	40.5	21.5
06:00 AM - 07:00 AM	60.2	57.0	57.4	-	42.2	15.2
07:00 AM - 08:00 AM	64.2	61.0	61.4	-	48.8	12.6
08:00 AM - 09:00 AM	60.9	57.7	58.1	-	41.9	16.2
09:00 AM - 10:00 AM	58.7	55.5	55.9	-	39.5	16.4
10:00 AM - 11:00 AM	57.6	54.4	54.8	-	38.2	16.6
11:00 AM - 12:00 PM	59.8	56.6	57.0	-	40.3	16.7
12:00 PM - 01:00 PM	59.5	56.3	56.7	-	42.8	13.9
01:00 PM - 02:00 PM	59.4	56.2	56.6	-	42.5	14.1
02:00 PM - 03:00 PM	57.2	54.0	54.4	-	39.2	15.2
ค่ามาตรฐาน						≤ 10

Reference Method :
1. ISO 1996-1
2. ประกาศกรมโรงงานอุตสาหกรรม เรื่อง วิธีการตรวจวัดระดับเสียงการรบกวน ระดับเสียงเฉลี่ย 24 ชั่วโมง และระดับเสียงสูงสุดที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2567

มาตรฐาน
1. ประกาศกระทรวงอุตสาหกรรม เรื่อง กำหนดค่าระดับเสียงการรบกวนและระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548
2. ประกาศกระทรวงสาธารณสุข เรื่อง กำหนดค่ามาตรฐานมลพิษทางเสียงอันเกิดจากการประกอบกิจการที่เป็นอันตรายต่อสุขภาพ พ.ศ. 2561

Remark:
1. ระดับเสียงจากแหล่งกำเนิด ทำการตรวจวัด วันที่ 10-11 พฤษภาคม 2567
2. ระดับเสียงพื้นฐานและระดับเสียงขณะไม่มีการรบกวน (Sample No.2448812-11 วันที่ตรวจวัด 10-11 พฤษภาคม 2567)
3. n/a: ไม่สามารถคำนวณระดับเสียงขณะมีการรบกวนเนื่องจากระดับเสียงจากแหล่งกำเนิดน้อยกว่าระดับเสียงขณะไม่มีการรบกวน

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

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

P/O : RJN(2)-018/66
Project Name : Pluak Daeng
Project Location :

Lot ID: 2448811
Date Received :May 16, 2024
Date Reported :May 23, 2024
Report Number : 2997452-1

Sample No. 2448811-12
Parameter เสียงรบกวน
Location บ้านพักอาศัย หมู่ 2 ซ.มาบยางพร 15 (N2) (GPS 47P 0733648, 1434012)
Measurement Date May 11 - 12, 2024
Measurement by Saknarin Jaraskay
Sound Level Meter 920831

ระดับเสียง (dB(A))						
เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าระดับการรบกวน
			กลางวัน	กลางคืน		
03:00 PM - 04:00 PM	58.8	55.6	56.0	-	38.6	17.4
04:00 PM - 05:00 PM	62.2	59.0	59.4	-	42.5	16.9
05:00 PM - 06:00 PM	62.8	59.6	60.0	-	45.4	14.6
06:00 PM - 07:00 PM	60.9	57.7	58.1	-	44.0	14.1
07:00 PM - 08:00 PM	60.9	57.7	58.1	-	42.0	16.1
08:00 PM - 09:00 PM	58.3	55.1	55.5	-	40.8	14.7
09:00 PM - 10:00 PM	56.8	53.6	54.0	-	37.8	16.2
10:00 PM - 10:05 PM	57.2	54.0	-	57.4	38.0	19.4
10:05 PM - 10:10 PM	53.2	50.0	-	53.4	38.7	14.7
10:10 PM - 10:15 PM	49.4	46.2	-	49.6	38.8	10.8
10:15 PM - 10:20 PM	48.4	45.2	-	48.6	38.6	10.0
10:20 PM - 10:25 PM	51.7	48.5	-	51.9	38.9	13.0
10:25 PM - 10:30 PM	66.3	63.1	-	66.5	41.2	25.3
10:30 PM - 10:35 PM	51.4	48.2	-	51.6	38.2	13.4
10:35 PM - 10:40 PM	45.7	42.5	-	45.9	38.1	7.8
10:40 PM - 10:45 PM	44.5	41.3	-	44.7	38.0	6.7
10:45 PM - 10:50 PM	52.5	49.3	-	52.7	38.3	14.4
10:50 PM - 10:55 PM	52.8	49.6	-	53.0	38.5	14.5
10:55 PM - 11:00 PM	53.4	50.2	-	53.6	38.3	15.3
11:00 PM - 11:05 PM	54.9	51.7	-	55.1	38.2	16.9
11:05 PM - 11:10 PM	45.7	42.5	-	45.9	37.7	8.2
11:10 PM - 11:15 PM	48.7	45.5	-	48.9	38.3	10.6
11:15 PM - 11:20 PM	48.5	45.3	-	48.7	37.4	11.3
11:20 PM - 11:25 PM	51.2	48.0	-	51.4	37.4	14.0
11:25 PM - 11:30 PM	47.5	44.3	-	47.7	37.7	10.0
11:30 PM - 11:35 PM	57.9	54.7	-	58.1	37.2	20.9
11:35 PM - 11:40 PM	58.9	55.7	-	59.1	36.7	22.4
11:40 PM - 11:45 PM	54.2	51.0	-	54.4	36.7	17.7
11:45 PM - 11:50 PM	51.0	47.8	-	51.2	36.8	14.4
11:50 PM - 11:55 PM	58.5	55.3	-	58.7	36.6	22.1
11:55 PM - 12:00 AM	50.6	47.4	-	50.8	36.3	14.5
12:00 AM - 12:05 AM	57.6	54.4	-	57.8	36.3	21.5
12:05 AM - 12:10 AM	59.1	55.9	-	59.3	36.8	22.5
12:10 AM - 12:15 AM	57.1	53.9	-	57.3	37.3	20.0
12:15 AM - 12:20 AM	53.5	50.3	-	53.7	36.8	16.9
12:20 AM - 12:25 AM	52.3	49.1	-	52.5	36.9	15.6
12:25 AM - 12:30 AM	53.0	49.8	-	53.2	35.9	17.3
12:30 AM - 12:35 AM	48.0	44.8	-	48.2	36.4	11.8
12:35 AM - 12:40 AM	48.2	45.0	-	48.4	36.8	11.6
12:40 AM - 12:45 AM	45.4	42.2	-	45.6	37.0	8.6

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Approved by

Wilawan Borirak
Manager

Analysis / Test Report

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

Lot ID: 2448811
Date Received :May 16, 2024
Date Reported :May 23, 2024
Report Number : 2997452-1

P/O : RJN(2)-018/66
Project Name : Pluak Daeng
Project Location :

Sample No. 2448811-12
Parameter เสียงรบกวน
Location บ้านพักอาศัย หมู่ 2 ซ.มาบยางพร 15 (N2) (GPS 47P 0733648, 1434012)
Measurement Date May 11 - 12, 2024
Measurement by Saknarin Jaraskay
Sound Level Meter 920831

ระดับเสียง (dB(A))						
เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าระดับการรบกวน
			กลางวัน	กลางคืน		
12:45 AM - 12:50 AM	45.7	42.5	-	45.9	36.6	9.3
12:50 AM - 12:55 AM	44.1	40.9	-	44.3	36.0	8.3
12:55 AM - 01:00 AM	50.9	47.7	-	51.1	35.9	15.2
01:00 AM - 01:05 AM	60.1	56.9	-	60.3	35.8	24.5
01:05 AM - 01:10 AM	41.6	38.4	-	41.8	34.9	6.9
01:10 AM - 01:15 AM	52.6	49.4	-	52.8	35.0	17.8
01:15 AM - 01:20 AM	41.1	37.9	-	41.3	35.5	5.8
01:20 AM - 01:25 AM	39.8	36.6	-	40.0	35.7	4.3
01:25 AM - 01:30 AM	51.4	48.2	-	51.6	36.5	15.1
01:30 AM - 01:35 AM	62.9	59.7	-	63.1	35.6	27.5
01:35 AM - 01:40 AM	46.8	43.6	-	47.0	35.3	11.7
01:40 AM - 01:45 AM	39.3	36.1	-	39.5	35.1	4.4
01:45 AM - 01:50 AM	38.9	35.7	-	39.1	34.7	4.4
01:50 AM - 01:55 AM	41.6	38.4	-	41.8	35.0	6.8
01:55 AM - 02:00 AM	43.2	40.0	-	43.4	35.0	8.4
02:00 AM - 02:05 AM	50.7	47.5	-	50.9	35.3	15.6
02:05 AM - 02:10 AM	44.9	41.7	-	45.1	34.9	10.2
02:10 AM - 02:15 AM	49.3	46.1	-	49.5	34.8	14.7
02:15 AM - 02:20 AM	48.5	45.3	-	48.7	35.1	13.6
02:20 AM - 02:25 AM	50.2	47.0	-	50.4	35.7	14.7
02:25 AM - 02:30 AM	43.7	40.5	-	43.9	35.4	8.5
02:30 AM - 02:35 AM	42.7	39.5	-	42.9	35.1	7.8
02:35 AM - 02:40 AM	41.7	38.5	-	41.9	35.1	6.8
02:40 AM - 02:45 AM	46.4	43.2	-	46.6	34.4	12.2
02:45 AM - 02:50 AM	49.5	46.3	-	49.7	35.1	14.6
02:50 AM - 02:55 AM	39.1	35.9	-	39.3	35.1	4.2
02:55 AM - 03:00 AM	50.0	46.8	-	50.2	34.7	15.5
03:00 AM - 03:05 AM	45.6	42.4	-	45.8	34.6	11.2
03:05 AM - 03:10 AM	45.8	42.6	-	46.0	34.7	11.3
03:10 AM - 03:15 AM	44.4	41.2	-	44.6	34.6	10.0
03:15 AM - 03:20 AM	44.8	41.6	-	45.0	35.3	9.7
03:20 AM - 03:25 AM	44.1	40.9	-	44.3	34.4	9.9
03:25 AM - 03:30 AM	40.8	37.6	-	41.0	34.8	6.2
03:30 AM - 03:35 AM	50.3	47.1	-	50.5	35.7	14.8
03:35 AM - 03:40 AM	53.3	50.1	-	53.5	35.9	17.6
03:40 AM - 03:45 AM	49.8	46.6	-	50.0	36.3	13.7
03:45 AM - 03:50 AM	44.6	41.4	-	44.8	35.5	9.3
03:50 AM - 03:55 AM	49.3	46.1	-	49.5	35.4	14.1
03:55 AM - 04:00 AM	45.2	42.0	-	45.4	35.2	10.2
04:00 AM - 04:05 AM	50.7	47.5	-	50.9	35.0	15.9

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Approved by

Wilawan Borirak
Manager

Analysis / Test Report

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

Lot ID: 2448811
Date Received :May 16, 2024
Date Reported :May 23, 2024
Report Number : 2997452-1

P/O : RJN(2)-018/66
Project Name : Pluak Daeng
Project Location :

Sample No. 2448811-12
Parameter เสียงรบกวน
Location บ้านพักอาศัย หมู่ 2 ซ.มาบยางพร 15 (N2) (GPS 47P 0733648, 1434012)
Measurement Date May 11 - 12, 2024
Measurement by Saknarin Jaraskay
Sound Level Meter 920831

ระดับเสียง (dB(A))						
เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าระดับการรบกวน
			กลางวัน	กลางคืน		
04:05 AM - 04:10 AM	50.0	46.8	-	50.2	34.7	15.5
04:10 AM - 04:15 AM	49.8	46.6	-	50.0	35.0	15.0
04:15 AM - 04:20 AM	52.8	49.6	-	53.0	35.1	17.9
04:20 AM - 04:25 AM	52.7	49.5	-	52.9	35.6	17.3
04:25 AM - 04:30 AM	47.6	44.4	-	47.8	35.3	12.5
04:30 AM - 04:35 AM	43.5	40.3	-	43.7	34.8	8.9
04:35 AM - 04:40 AM	51.5	48.3	-	51.7	34.9	16.8
04:40 AM - 04:45 AM	56.6	53.4	-	56.8	35.0	21.8
04:45 AM - 04:50 AM	53.8	50.6	-	54.0	34.8	19.2
04:50 AM - 04:55 AM	53.0	49.8	-	53.2	34.2	19.0
04:55 AM - 05:00 AM	60.5	57.3	-	60.7	36.2	24.5
05:00 AM - 05:05 AM	63.0	59.8	-	63.2	43.0	20.2
05:05 AM - 05:10 AM	56.2	53.0	-	56.4	35.6	20.8
05:10 AM - 05:15 AM	52.7	49.5	-	52.9	36.3	16.6
05:15 AM - 05:20 AM	54.6	51.4	-	54.8	36.7	18.1
05:20 AM - 05:25 AM	54.4	51.2	-	54.6	36.5	18.1
05:25 AM - 05:30 AM	56.1	52.9	-	56.3	38.1	18.2
05:30 AM - 05:35 AM	53.8	50.6	-	54.0	38.2	15.8
05:35 AM - 05:40 AM	54.0	50.8	-	54.2	38.3	15.9
05:40 AM - 05:45 AM	53.4	50.2	-	53.6	37.7	15.9
05:45 AM - 05:50 AM	53.3	50.1	-	53.5	38.2	15.3
05:50 AM - 05:55 AM	56.0	52.8	-	56.2	38.5	17.7
05:55 AM - 06:00 AM	56.9	53.7	-	57.1	37.4	19.7
06:00 AM - 07:00 AM	59.5	56.3	56.7	-	40.5	16.2
07:00 AM - 08:00 AM	62.0	58.8	59.2	-	42.7	16.5
08:00 AM - 09:00 AM	61.3	58.1	58.5	-	37.7	20.8
09:00 AM - 10:00 AM	56.7	53.5	53.9	-	38.5	15.4
10:00 AM - 11:00 AM	56.8	53.6	54.0	-	37.3	16.7
11:00 AM - 12:00 PM	58.9	55.7	56.1	-	37.8	18.3
12:00 PM - 01:00 PM	58.5	55.3	55.7	-	36.7	19.0
01:00 PM - 02:00 PM	56.7	53.5	53.9	-	41.1	12.8
02:00 PM - 03:00 PM	56.6	53.4	53.8	-	40.0	13.8
ค่ามาตรฐาน						≤ 10

Reference Method :
1. ISO 1996-1
2. ประกาศกรมโรงงานอุตสาหกรรม เรื่อง วิธีการตรวจวัดระดับเสียงการรบกวน ระดับเสียงเฉลี่ย 24 ชั่วโมง และระดับเสียงสูงสุดที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2567

มาตรฐาน
1. ประกาศกระทรวงอุตสาหกรรม เรื่อง กำหนดค่าระดับเสียงการรบกวนและระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548
2. ประกาศกระทรวงสาธารณสุข เรื่อง กำหนดค่ามาตรฐานมลพิษทางเสียงอันเกิดจากการประกอบกิจการที่เป็นอันตรายต่อสุขภาพ พ.ศ. 2561

Remark:
1. ระดับเสียงจากแหล่งกำเนิด ทำการตรวจวัด วันที่ 11-12 พฤษภาคม 2567
2. ระดับเสียงพื้นฐานและระดับเสียงขณะไม่มีการรบกวน (Sample No.2448812-12 วันที่ตรวจวัด 11-12 พฤษภาคม 2567)
3. n/a: ไม่สามารถคำนวณระดับเสียงขณะมีการรบกวนเนื่องจากระดับเสียงจากแหล่งกำเนิดน้อยกว่าระดับเสียงขณะไม่มีการรบกวน

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

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

Lot ID: 2448811
Date Received :May 16, 2024
Date Reported :May 23, 2024
Report Number : 2997453-1

P/O : RJN(2)-018/66
Project Name : Pluak Daeng
Project Location :

Sample No. 2448811-13
Parameter เสียงรบกวน
Location บ้านพักอาศัย หมู่ 2 ซ.มาบยางพร 15 (N2) (GPS 47P 0733648, 1434012)
Measurement Date May 12 - 13, 2024
Measurement by Saknarin Jaraskay
Sound Level Meter 920831

ระดับเสียง (dB(A))						
เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าระดับการรบกวน
			กลางวัน	กลางคืน		
03:00 PM - 04:00 PM	56.3	53.1	53.5	-	39.0	14.5
04:00 PM - 05:00 PM	59.0	55.8	56.2	-	41.3	14.9
05:00 PM - 06:00 PM	61.6	58.4	58.8	-	44.3	14.5
06:00 PM - 07:00 PM	60.1	56.9	57.3	-	42.0	15.3
07:00 PM - 08:00 PM	58.6	55.4	55.8	-	39.2	16.6
08:00 PM - 09:00 PM	57.6	54.4	54.8	-	40.0	14.8
09:00 PM - 10:00 PM	54.4	51.2	51.6	-	37.0	14.6
10:00 PM - 10:05 PM	59.2	56.0	-	59.4	36.2	23.2
10:05 PM - 10:10 PM	54.4	51.2	-	54.6	36.9	17.7
10:10 PM - 10:15 PM	52.4	49.2	-	52.6	36.7	15.9
10:15 PM - 10:20 PM	56.1	52.9	-	56.3	36.4	19.9
10:20 PM - 10:25 PM	53.4	50.2	-	53.6	35.8	17.8
10:25 PM - 10:30 PM	55.2	52.0	-	55.4	36.6	18.8
10:30 PM - 10:35 PM	49.5	46.3	-	49.7	36.8	12.9
10:35 PM - 10:40 PM	52.1	48.9	-	52.3	36.1	16.2
10:40 PM - 10:45 PM	47.2	44.0	-	47.4	36.2	11.2
10:45 PM - 10:50 PM	60.4	57.2	-	60.6	36.6	24.0
10:50 PM - 10:55 PM	46.2	43.0	-	46.4	36.0	10.4
10:55 PM - 11:00 PM	58.9	55.7	-	59.1	36.2	22.9
11:00 PM - 11:05 PM	56.6	53.4	-	56.8	36.1	20.7
11:05 PM - 11:10 PM	56.1	52.9	-	56.3	36.2	20.1
11:10 PM - 11:15 PM	46.5	43.3	-	46.7	35.6	11.1
11:15 PM - 11:20 PM	54.1	50.9	-	54.3	36.2	18.1
11:20 PM - 11:25 PM	53.5	50.3	-	53.7	35.5	18.2
11:25 PM - 11:30 PM	47.9	44.7	-	48.1	35.9	12.2
11:30 PM - 11:35 PM	52.7	49.5	-	52.9	36.2	16.7
11:35 PM - 11:40 PM	46.8	43.6	-	47.0	36.7	10.3
11:40 PM - 11:45 PM	50.8	47.6	-	51.0	36.9	14.1
11:45 PM - 11:50 PM	50.2	47.0	-	50.4	37.2	13.2
11:50 PM - 11:55 PM	42.8	39.6	-	43.0	36.6	6.4
11:55 PM - 12:00 AM	59.5	56.3	-	59.7	37.2	22.5
12:00 AM - 12:05 AM	50.9	47.7	-	51.1	36.8	14.3
12:05 AM - 12:10 AM	49.4	46.2	-	49.6	37.5	12.1
12:10 AM - 12:15 AM	52.3	49.1	-	52.5	37.4	15.1
12:15 AM - 12:20 AM	49.4	46.2	-	49.6	38.4	11.2
12:20 AM - 12:25 AM	52.4	49.2	-	52.6	38.0	14.6
12:25 AM - 12:30 AM	43.6	40.4	-	43.8	37.0	6.8
12:30 AM - 12:35 AM	55.8	52.6	-	56.0	37.2	18.8
12:35 AM - 12:40 AM	52.9	49.7	-	53.1	37.3	15.8
12:40 AM - 12:45 AM	46.0	42.8	-	46.2	36.5	9.7

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Approved by

Wilawan Borirak
Manager

Analysis / Test Report

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

Lot ID: 2448811
Date Received :May 16, 2024
Date Reported :May 23, 2024
Report Number : 2997453-1

P/O : RJN(2)-018/66
Project Name : Pluak Daeng
Project Location :

Sample No. 2448811-13
Parameter เสียงรบกวน
Location บ้านพักอาศัย หมู่ 2 ซ.มาบยางพร 15 (N2) (GPS 47P 0733648, 1434012)
Measurement Date May 12 - 13, 2024
Measurement by Saknarin Jaraskay
Sound Level Meter 920831

ระดับเสียง (dB(A))						
เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าระดับการรบกวน
			กลางวัน	กลางคืน		
12:45 AM - 12:50 AM	45.9	42.7	-	46.1	36.7	9.4
12:50 AM - 12:55 AM	49.3	46.1	-	49.5	37.2	12.3
12:55 AM - 01:00 AM	53.7	50.5	-	53.9	37.8	16.1
01:00 AM - 01:05 AM	53.2	50.0	-	53.4	38.2	15.2
01:05 AM - 01:10 AM	51.8	48.6	-	52.0	37.4	14.6
01:10 AM - 01:15 AM	49.0	45.8	-	49.2	38.4	10.8
01:15 AM - 01:20 AM	51.5	48.3	-	51.7	39.7	12.0
01:20 AM - 01:25 AM	50.9	47.7	-	51.1	38.6	12.5
01:25 AM - 01:30 AM	51.8	48.6	-	52.0	37.8	14.2
01:30 AM - 01:35 AM	48.8	45.6	-	49.0	37.7	11.3
01:35 AM - 01:40 AM	47.2	44.0	-	47.4	37.6	9.8
01:40 AM - 01:45 AM	47.7	44.5	-	47.9	37.8	10.1
01:45 AM - 01:50 AM	41.6	38.4	-	41.8	36.8	5.0
01:50 AM - 01:55 AM	47.2	44.0	-	47.4	35.8	11.6
01:55 AM - 02:00 AM	51.5	48.3	-	51.7	36.6	15.1
02:00 AM - 02:05 AM	43.1	39.9	-	43.3	36.5	6.8
02:05 AM - 02:10 AM	50.1	46.9	-	50.3	35.9	14.4
02:10 AM - 02:15 AM	48.6	45.4	-	48.8	34.8	14.0
02:15 AM - 02:20 AM	56.3	53.1	-	56.5	35.4	21.1
02:20 AM - 02:25 AM	53.1	49.9	-	53.3	37.5	15.8
02:25 AM - 02:30 AM	69.0	65.8	-	69.2	54.4	14.8
02:30 AM - 02:35 AM	69.5	66.3	-	69.7	43.2	26.5
02:35 AM - 02:40 AM	68.2	65.0	-	68.4	58.6	9.8
02:40 AM - 02:45 AM	66.6	63.4	-	66.8	55.1	11.7
02:45 AM - 02:50 AM	60.1	56.9	-	60.3	44.2	16.1
02:50 AM - 02:55 AM	58.1	54.9	-	58.3	43.4	14.9
02:55 AM - 03:00 AM	67.7	64.5	-	67.9	60.9	7.0
03:00 AM - 03:05 AM	64.3	61.1	-	64.5	54.7	9.8
03:05 AM - 03:10 AM	64.8	61.6	-	65.0	54.0	11.0
03:10 AM - 03:15 AM	63.9	60.7	-	64.1	55.6	8.5
03:15 AM - 03:20 AM	64.6	61.4	-	64.8	53.3	11.5
03:20 AM - 03:25 AM	60.8	57.6	-	61.0	49.7	11.3
03:25 AM - 03:30 AM	64.2	61.0	-	64.4	50.1	14.3
03:30 AM - 03:35 AM	59.4	56.2	-	59.6	49.6	10.0
03:35 AM - 03:40 AM	66.0	62.8	-	66.2	48.3	17.9
03:40 AM - 03:45 AM	63.3	60.1	-	63.5	47.2	16.3
03:45 AM - 03:50 AM	54.3	51.1	-	54.5	46.7	7.8
03:50 AM - 03:55 AM	62.1	58.9	-	62.3	46.2	16.1
03:55 AM - 04:00 AM	61.0	57.8	-	61.2	45.5	15.7
04:00 AM - 04:05 AM	65.8	62.6	-	66.0	47.5	18.5

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Approved by

Wilawan Borirak
Manager

Analysis / Test Report

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

Lot ID: 2448811
Date Received :May 16, 2024
Date Reported :May 23, 2024
Report Number : 2997453-1

P/O : RJN(2)-018/66
Project Name : Pluak Daeng
Project Location :

Sample No. 2448811-13
Parameter เสียงรบกวน
Location บ้านพักอาศัย หมู่ 2 ซ.มาบยางพร 15 (N2) (GPS 47P 0733648, 1434012)
Measurement Date May 12 - 13, 2024
Measurement by Saknarin Jaraskay
Sound Level Meter 920831

ระดับเสียง (dB(A))						
เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าระดับการรบกวน
			กลางวัน	กลางคืน		
04:05 AM - 04:10 AM	63.1	59.9	-	63.3	47.9	15.4
04:10 AM - 04:15 AM	58.8	55.6	-	59.0	47.7	11.3
04:15 AM - 04:20 AM	59.8	56.6	-	60.0	47.2	12.8
04:20 AM - 04:25 AM	57.5	54.3	-	57.7	51.0	6.7
04:25 AM - 04:30 AM	58.1	54.9	-	58.3	50.6	7.7
04:30 AM - 04:35 AM	63.1	59.9	-	63.3	48.7	14.6
04:35 AM - 04:40 AM	59.3	56.1	-	59.5	49.1	10.4
04:40 AM - 04:45 AM	58.8	55.6	-	59.0	53.2	5.8
04:45 AM - 04:50 AM	58.7	55.5	-	58.9	53.9	5.0
04:50 AM - 04:55 AM	60.3	57.1	-	60.5	56.0	4.5
04:55 AM - 05:00 AM	62.6	59.4	-	62.8	55.7	7.1
05:00 AM - 05:05 AM	60.6	57.4	-	60.8	53.7	7.1
05:05 AM - 05:10 AM	58.4	55.2	-	58.6	53.1	5.5
05:10 AM - 05:15 AM	59.7	56.5	-	59.9	53.4	6.5
05:15 AM - 05:20 AM	59.3	56.1	-	59.5	53.0	6.5
05:20 AM - 05:25 AM	59.0	55.8	-	59.2	52.6	6.6
05:25 AM - 05:30 AM	58.5	55.3	-	58.7	50.9	7.8
05:30 AM - 05:35 AM	58.8	55.6	-	59.0	51.0	8.0
05:35 AM - 05:40 AM	59.3	56.1	-	59.5	51.2	8.3
05:40 AM - 05:45 AM	58.1	54.9	-	58.3	50.6	7.7
05:45 AM - 05:50 AM	66.1	62.9	-	66.3	52.2	14.1
05:50 AM - 05:55 AM	63.3	60.1	-	63.5	50.8	12.7
05:55 AM - 06:00 AM	64.0	60.8	-	64.2	50.8	13.4
06:00 AM - 07:00 AM	64.3	61.1	61.5	-	49.7	11.8
07:00 AM - 08:00 AM	64.8	61.6	62.0	-	50.5	11.5
08:00 AM - 09:00 AM	62.0	58.8	59.2	-	42.8	16.4
09:00 AM - 10:00 AM	59.1	55.9	56.3	-	42.3	14.0
10:00 AM - 11:00 AM	57.8	54.6	55.0	-	43.0	12.0
11:00 AM - 12:00 PM	60.3	57.1	57.5	-	43.2	14.3
12:00 PM - 01:00 PM	60.2	57.0	57.4	-	42.4	15.0
01:00 PM - 02:00 PM	57.6	54.4	54.8	-	43.8	11.0
02:00 PM - 03:00 PM	59.0	55.8	56.2	-	44.0	12.2
ค่ามาตรฐาน						≤ 10

Reference Method :
1. ISO 1996-1
2. ประกาศกรมโรงงานอุตสาหกรรม เรื่อง วิธีการตรวจวัดระดับเสียงการรบกวน ระดับเสียงเฉลี่ย 24 ชั่วโมง และระดับเสียงสูงสุดที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2567

มาตรฐาน
1. ประกาศกระทรวงอุตสาหกรรม เรื่อง กำหนดค่าระดับเสียงการรบกวนและระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548
2. ประกาศกระทรวงสาธารณสุข เรื่อง กำหนดค่ามาตรฐานมลพิษทางเสียงอันเกิดจากการประกอบกิจการที่เป็นอันตรายต่อสุขภาพ พ.ศ. 2561

Remark:
1. ระดับเสียงจากแหล่งกำเนิด ทำการตรวจวัด วันที่ 12-13 พฤษภาคม 2567
2. ระดับเสียงพื้นฐานและระดับเสียงขณะไม่มีการรบกวน (Sample No.2448812-13 วันที่ตรวจวัด 12-13 พฤษภาคม 2567)
3. n/a: ไม่สามารถคำนวณระดับเสียงขณะมีการรบกวนเนื่องจากระดับเสียงจากแหล่งกำเนิดน้อยกว่าระดับเสียงขณะไม่มีการรบกวน

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

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

P/O : RJN(2)-018/66
Project Name : Pluak Daeng
Project Location :

Lot ID: 2448811
Date Received :May 16, 2024
Date Reported :May 23, 2024
Report Number : 2997454-1

Sample No. 2448811-14
Parameter เสียงรบกวน
Location บ้านพักอาศัย หมู่ 2 ซ.มาบยางพร 15 (N2) (GPS 47P 0733648, 1434012)
Measurement Date May 13 - 14, 2024
Measurement by Saknarin Jaraskay
Sound Level Meter 920831

ระดับเสียง (dB(A))						
เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าระดับการรบกวน
			กลางวัน	กลางคืน		
03:00 PM - 04:00 PM	58.9	55.7	56.1	-	43.2	12.9
04:00 PM - 05:00 PM	59.4	56.2	56.6	-	46.2	10.4
05:00 PM - 06:00 PM	62.5	59.3	59.7	-	46.2	13.5
06:00 PM - 07:00 PM	60.6	57.4	57.8	-	43.1	14.7
07:00 PM - 08:00 PM	61.6	58.4	58.8	-	44.0	14.8
08:00 PM - 09:00 PM	61.4	58.2	58.6	-	44.2	14.4
09:00 PM - 10:00 PM	58.9	55.7	56.1	-	40.6	15.5
10:00 PM - 10:05 PM	55.3	52.1	-	55.5	40.1	15.4
10:05 PM - 10:10 PM	56.0	52.8	-	56.2	41.4	14.8
10:10 PM - 10:15 PM	52.8	49.6	-	53.0	43.0	10.0
10:15 PM - 10:20 PM	52.5	49.3	-	52.7	40.4	12.3
10:20 PM - 10:25 PM	50.7	47.5	-	50.9	39.4	11.5
10:25 PM - 10:30 PM	47.3	44.1	-	47.5	39.7	7.8
10:30 PM - 10:35 PM	45.7	42.5	-	45.9	39.1	6.8
10:35 PM - 10:40 PM	50.8	47.6	-	51.0	38.6	12.4
10:40 PM - 10:45 PM	46.9	43.7	-	47.1	38.3	8.8
10:45 PM - 10:50 PM	42.4	39.2	-	42.6	37.8	4.8
10:50 PM - 10:55 PM	50.2	47.0	-	50.4	37.9	12.5
10:55 PM - 11:00 PM	49.5	46.3	-	49.7	37.9	11.8
11:00 PM - 11:05 PM	47.8	44.6	-	48.0	37.7	10.3
11:05 PM - 11:10 PM	51.0	47.8	-	51.2	38.2	13.0
11:10 PM - 11:15 PM	54.8	51.6	-	55.0	37.5	17.5
11:15 PM - 11:20 PM	45.5	42.3	-	45.7	37.0	8.7
11:20 PM - 11:25 PM	46.8	43.6	-	47.0	36.6	10.4
11:25 PM - 11:30 PM	52.4	49.2	-	52.6	36.6	16.0
11:30 PM - 11:35 PM	44.5	41.3	-	44.7	37.5	7.2
11:35 PM - 11:40 PM	44.0	40.8	-	44.2	37.6	6.6
11:40 PM - 11:45 PM	47.3	44.1	-	47.5	37.3	10.2
11:45 PM - 11:50 PM	49.8	46.6	-	50.0	37.1	12.9
11:50 PM - 11:55 PM	62.6	59.4	-	62.8	36.9	25.9
11:55 PM - 12:00 AM	51.7	48.5	-	51.9	37.0	14.9
12:00 AM - 12:05 AM	52.6	49.4	-	52.8	36.3	16.5
12:05 AM - 12:10 AM	50.6	47.4	-	50.8	36.1	14.7
12:10 AM - 12:15 AM	50.3	47.1	-	50.5	34.6	15.9
12:15 AM - 12:20 AM	53.1	49.9	-	53.3	35.1	18.2
12:20 AM - 12:25 AM	50.6	47.4	-	50.8	34.3	16.5
12:25 AM - 12:30 AM	54.4	51.2	-	54.6	35.6	19.0
12:30 AM - 12:35 AM	60.9	57.7	-	61.1	36.6	24.5
12:35 AM - 12:40 AM	44.7	41.5	-	44.9	35.0	9.9
12:40 AM - 12:45 AM	48.5	45.3	-	48.7	35.6	13.1

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Approved by

Wilawan Borirak
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)-018/66
Project Name : Pluak Daeng
Project Location :

Lot ID: 2448811
Date Received :May 16, 2024
Date Reported :May 23, 2024
Report Number : 2997454-1

Sample No. 2448811-14
Parameter เสียงรบกวน
Location บ้านพักอาศัย หมู่ 2 ซ.มาบยางพร 15 (N2) (GPS 47P 0733648, 1434012)
Measurement Date May 13 - 14, 2024
Measurement by Saknarin Jaraskay
Sound Level Meter 920831

ระดับเสียง (dB(A))						
เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าระดับการรบกวน
			กลางวัน	กลางคืน		
12:45 AM - 12:50 AM	54.7	51.5	-	54.9	36.0	18.9
12:50 AM - 12:55 AM	44.9	41.7	-	45.1	37.7	7.4
12:55 AM - 01:00 AM	49.4	46.2	-	49.6	36.9	12.7
01:00 AM - 01:05 AM	45.7	42.5	-	45.9	36.9	9.0
01:05 AM - 01:10 AM	50.6	47.4	-	50.8	37.8	13.0
01:10 AM - 01:15 AM	45.3	42.1	-	45.5	37.5	8.0
01:15 AM - 01:20 AM	41.6	38.4	-	41.8	37.6	4.2
01:20 AM - 01:25 AM	46.1	42.9	-	46.3	37.9	8.4
01:25 AM - 01:30 AM	48.8	45.6	-	49.0	37.7	11.3
01:30 AM - 01:35 AM	49.3	46.1	-	49.5	36.9	12.6
01:35 AM - 01:40 AM	43.4	40.2	-	43.6	37.7	5.9
01:40 AM - 01:45 AM	47.2	44.0	-	47.4	37.3	10.1
01:45 AM - 01:50 AM	50.2	47.0	-	50.4	36.4	14.0
01:50 AM - 01:55 AM	39.4	36.2	-	39.6	35.0	4.6
01:55 AM - 02:00 AM	38.7	35.5	-	38.9	35.0	3.9
02:00 AM - 02:05 AM	43.0	39.8	-	43.2	34.8	8.4
02:05 AM - 02:10 AM	39.2	36.0	-	39.4	34.5	4.9
02:10 AM - 02:15 AM	52.6	49.4	-	52.8	34.2	18.6
02:15 AM - 02:20 AM	44.4	41.2	-	44.6	34.9	9.7
02:20 AM - 02:25 AM	42.0	38.8	-	42.2	34.9	7.3
02:25 AM - 02:30 AM	45.1	41.9	-	45.3	37.3	8.0
02:30 AM - 02:35 AM	41.4	38.2	-	41.6	37.6	4.0
02:35 AM - 02:40 AM	47.7	44.5	-	47.9	38.7	9.2
02:40 AM - 02:45 AM	41.5	38.3	-	41.7	37.6	4.1
02:45 AM - 02:50 AM	48.5	45.3	-	48.7	37.5	11.2
02:50 AM - 02:55 AM	43.0	39.8	-	43.2	38.9	4.3
02:55 AM - 03:00 AM	45.3	42.1	-	45.5	39.0	6.5
03:00 AM - 03:05 AM	45.2	42.0	-	45.4	39.2	6.2
03:05 AM - 03:10 AM	46.5	43.3	-	46.7	38.3	8.4
03:10 AM - 03:15 AM	45.2	42.0	-	45.4	38.2	7.2
03:15 AM - 03:20 AM	44.7	41.5	-	44.9	38.2	6.7
03:20 AM - 03:25 AM	41.9	38.7	-	42.1	37.9	4.2
03:25 AM - 03:30 AM	48.9	45.7	-	49.1	37.0	12.1
03:30 AM - 03:35 AM	44.6	41.4	-	44.8	36.3	8.5
03:35 AM - 03:40 AM	48.8	45.6	-	49.0	35.8	13.2
03:40 AM - 03:45 AM	39.6	36.4	-	39.8	35.6	4.2
03:45 AM - 03:50 AM	44.0	40.8	-	44.2	35.4	8.8
03:50 AM - 03:55 AM	53.7	50.5	-	53.9	35.7	18.2
03:55 AM - 04:00 AM	46.7	43.5	-	46.9	35.3	11.6
04:00 AM - 04:05 AM	58.2	55.0	-	58.4	35.6	22.8

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Approved by

Wilawan Borirak
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)-018/66
Project Name : Pluak Daeng
Project Location :

Lot ID: 2448811
Date Received :May 16, 2024
Date Reported :May 23, 2024
Report Number : 2997454-1

Sample No. 2448811-14
Parameter เสียงรบกวน
Location บ้านพักอาศัย หมู่ 2 ซ.มาบยางพร 15 (N2) (GPS 47P 0733648, 1434012)
Measurement Date May 13 - 14, 2024
Measurement by Saknarin Jaraskay
Sound Level Meter 920831

ระดับเสียง (dB(A))						
เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าระดับการรบกวน
			กลางวัน	กลางคืน		
04:05 AM - 04:10 AM	50.5	47.3	-	50.7	35.3	15.4
04:10 AM - 04:15 AM	52.2	49.0	-	52.4	35.7	16.7
04:15 AM - 04:20 AM	50.4	47.2	-	50.6	36.6	14.0
04:20 AM - 04:25 AM	54.2	51.0	-	54.4	36.3	18.1
04:25 AM - 04:30 AM	52.2	49.0	-	52.4	35.9	16.5
04:30 AM - 04:35 AM	51.6	48.4	-	51.8	35.5	16.3
04:35 AM - 04:40 AM	50.0	46.8	-	50.2	35.5	14.7
04:40 AM - 04:45 AM	51.9	48.7	-	52.1	35.7	16.4
04:45 AM - 04:50 AM	51.3	48.1	-	51.5	35.7	15.8
04:50 AM - 04:55 AM	52.3	49.1	-	52.5	36.4	16.1
04:55 AM - 05:00 AM	59.0	55.8	-	59.2	37.8	21.4
05:00 AM - 05:05 AM	55.5	52.3	-	55.7	38.4	17.3
05:05 AM - 05:10 AM	53.2	50.0	-	53.4	37.2	16.2
05:10 AM - 05:15 AM	57.8	54.6	-	58.0	37.9	20.1
05:15 AM - 05:20 AM	57.1	53.9	-	57.3	38.4	18.9
05:20 AM - 05:25 AM	56.4	53.2	-	56.6	38.2	18.4
05:25 AM - 05:30 AM	53.7	50.5	-	53.9	37.9	16.0
05:30 AM - 05:35 AM	62.5	59.3	-	62.7	38.9	23.8
05:35 AM - 05:40 AM	56.1	52.9	-	56.3	38.5	17.8
05:40 AM - 05:45 AM	60.4	57.2	-	60.6	43.6	17.0
05:45 AM - 05:50 AM	61.1	57.9	-	61.3	41.8	19.5
05:50 AM - 05:55 AM	62.7	59.5	-	62.9	41.9	21.0
05:55 AM - 06:00 AM	56.1	52.9	-	56.3	38.2	18.1
06:00 AM - 07:00 AM	62.1	58.9	59.3	-	46.1	13.2
07:00 AM - 08:00 AM	65.0	61.8	62.2	-	48.6	13.6
08:00 AM - 09:00 AM	62.3	59.1	59.5	-	42.5	17.0
09:00 AM - 10:00 AM	61.4	58.2	58.6	-	41.4	17.2
10:00 AM - 11:00 AM	59.8	56.6	57.0	-	42.6	14.4
11:00 AM - 12:00 PM	61.2	58.0	58.4	-	44.5	13.9
12:00 PM - 01:00 PM	62.8	59.6	60.0	-	44.1	15.9
01:00 PM - 02:00 PM	57.5	54.3	54.7	-	43.8	10.9
02:00 PM - 03:00 PM	59.1	55.9	56.3	-	44.5	11.8
ค่ามาตรฐาน						≤ 10

Reference Method :
1. ISO 1996-1
2. ประกาศกรมโรงงานอุตสาหกรรม เรื่อง วิธีการตรวจวัดระดับเสียงการรบกวน ระดับเสียงเฉลี่ย 24 ชั่วโมง และระดับเสียงสูงสุดที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2567

มาตรฐาน
1. ประกาศกระทรวงอุตสาหกรรม เรื่อง กำหนดค่าระดับเสียงการรบกวนและระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548
2. ประกาศกระทรวงสาธารณสุข เรื่อง กำหนดค่ามาตรฐานมลพิษทางเสียงอันเกิดจากการประกอบกิจการที่เป็นอันตรายต่อสุขภาพ พ.ศ. 2561

Remark:
1. ระดับเสียงจากแหล่งกำเนิด ทำการตรวจวัด วันที่ 13-14 พฤษภาคม 2567
2. ระดับเสียงพื้นฐานและระดับเสียงขณะไม่มีการรบกวน (Sample No.2448812-14 วันที่ตรวจวัด 13-14 พฤษภาคม 2567)
3. n/a: ไม่สามารถคำนวณระดับเสียงขณะมีการรบกวนเนื่องจากระดับเสียงจากแหล่งกำเนิดน้อยกว่าระดับเสียงขณะไม่มีการรบกวน

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Approved by

Wilawan Borirak
Manager

Analysis / Test Report

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

Lot ID: 2448812
Date Received :May 16, 2024
Date Reported :May 23, 2024
Report No. : 2997455-1

P/O : RJN(2)-018/66
Project Name : Pluak Daeng
Project Location :

Sample No. 2448812-1
Parameter Noise
Location บ้านวังตาหม่อน (N1) (GPS 47P 0734051, 1432155) (Shut down)
Measurement Date May 07 - 08, 2024
Measurement by Saknarin Jaraskay
Sound Level Meter 920834

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:00 PM - 04:00 PM	56.4	77.5	41.5
04:00 PM - 05:00 PM	54.5	75.8	41.0
05:00 PM - 06:00 PM	54.2	85.1	41.8
06:00 PM - 07:00 PM	56.6	76.7	42.9
07:00 PM - 08:00 PM	57.4	78.3	43.5
08:00 PM - 09:00 PM	56.4	79.9	42.7
09:00 PM - 10:00 PM	55.5	82.2	46.6
10:00 PM - 10:05 PM	50.6	66.5	42.3
10:05 PM - 10:10 PM	52.3	73.8	42.2
10:10 PM - 10:15 PM	47.1	59.6	40.8
10:15 PM - 10:20 PM	48.2	58.7	44.0
10:20 PM - 10:25 PM	51.9	68.1	43.9
10:25 PM - 10:30 PM	49.8	60.9	44.0
10:30 PM - 10:35 PM	54.0	66.8	44.2
10:35 PM - 10:40 PM	47.8	56.8	43.0
10:40 PM - 10:45 PM	48.2	63.1	43.4
10:45 PM - 10:50 PM	49.1	60.6	42.7
10:50 PM - 10:55 PM	50.0	62.3	43.4
10:55 PM - 11:00 PM	51.2	63.0	44.2
11:00 PM - 11:05 PM	51.7	64.0	44.8
11:05 PM - 11:10 PM	51.2	61.8	42.6
11:10 PM - 11:15 PM	52.1	69.2	42.6
11:15 PM - 11:20 PM	49.7	62.1	42.1
11:20 PM - 11:25 PM	49.2	60.5	41.6
11:25 PM - 11:30 PM	50.7	64.0	42.0
11:30 PM - 11:35 PM	49.1	63.9	41.6
11:35 PM - 11:40 PM	46.5	62.7	40.1
11:40 PM - 11:45 PM	52.8	75.3	42.8
11:45 PM - 11:50 PM	50.2	62.8	40.4
11:50 PM - 11:55 PM	51.5	67.6	41.8
11:55 PM - 12:00 AM	46.7	60.4	40.9
12:00 AM - 12:05 AM	51.0	67.0	42.3
12:05 AM - 12:10 AM	50.0	66.2	43.0
12:10 AM - 12:15 AM	48.8	60.0	43.0
12:15 AM - 12:20 AM	48.0	56.9	43.5
12:20 AM - 12:25 AM	51.0	68.0	42.9
12:25 AM - 12:30 AM	47.7	56.3	43.9
12:30 AM - 12:35 AM	50.2	62.8	43.1
12:35 AM - 12:40 AM	47.2	60.5	42.8
12:40 AM - 12:45 AM	48.3	64.8	40.3

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Approved by

Wilawan Borirak
Manager

Analysis / Test Report

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

Lot ID: 2448812
Date Received :May 16, 2024
Date Reported :May 23, 2024
Report No. : 2997455-1

P/O : RJN(2)-018/66
Project Name : Pluak Daeng
Project Location :

Sample No. 2448812-1
Parameter Noise
Location บ้านวังตาหม่อน (N1) (GPS 47P 0734051, 1432155) (Shut down)
Measurement Date May 07 - 08, 2024
Measurement by Saknarin Jaraskay
Sound Level Meter 920834

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:45 AM - 12:50 AM	51.9	70.4	42.6
12:50 AM - 12:55 AM	48.8	66.2	39.6
12:55 AM - 01:00 AM	55.8	72.6	41.1
01:00 AM - 01:05 AM	43.4	54.2	39.4
01:05 AM - 01:10 AM	43.0	53.3	39.3
01:10 AM - 01:15 AM	44.0	54.0	39.8
01:15 AM - 01:20 AM	45.8	59.5	39.6
01:20 AM - 01:25 AM	46.8	59.6	39.2
01:25 AM - 01:30 AM	43.6	59.5	38.2
01:30 AM - 01:35 AM	45.0	63.8	38.1
01:35 AM - 01:40 AM	45.7	63.1	37.9
01:40 AM - 01:45 AM	41.6	51.1	37.3
01:45 AM - 01:50 AM	47.1	62.0	39.0
01:50 AM - 01:55 AM	44.0	59.0	38.4
01:55 AM - 02:00 AM	46.0	58.6	39.2
02:00 AM - 02:05 AM	44.0	55.7	39.0
02:05 AM - 02:10 AM	41.3	51.1	38.2
02:10 AM - 02:15 AM	43.9	61.7	38.2
02:15 AM - 02:20 AM	41.6	51.6	37.7
02:20 AM - 02:25 AM	45.8	66.3	38.3
02:25 AM - 02:30 AM	43.2	60.6	37.9
02:30 AM - 02:35 AM	43.8	58.4	38.9
02:35 AM - 02:40 AM	46.9	61.6	38.1
02:40 AM - 02:45 AM	44.5	57.3	38.7
02:45 AM - 02:50 AM	48.5	63.5	37.6
02:50 AM - 02:55 AM	37.9	43.2	36.2
02:55 AM - 03:00 AM	43.7	57.0	36.6
03:00 AM - 03:05 AM	43.0	55.2	37.6
03:05 AM - 03:10 AM	46.1	58.9	38.7
03:10 AM - 03:15 AM	41.2	51.2	37.8
03:15 AM - 03:20 AM	40.8	52.8	37.3
03:20 AM - 03:25 AM	42.8	56.7	37.6
03:25 AM - 03:30 AM	40.3	50.1	38.2
03:30 AM - 03:35 AM	41.2	56.8	37.7
03:35 AM - 03:40 AM	40.1	48.1	38.0
03:40 AM - 03:45 AM	42.5	55.7	38.2
03:45 AM - 03:50 AM	41.1	53.6	37.5
03:50 AM - 03:55 AM	38.0	42.6	36.9
03:55 AM - 04:00 AM	39.4	46.4	37.0
04:00 AM - 04:05 AM	40.4	52.2	37.3

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

Approved by

Wilawan Borirak
Manager

Analysis / Test Report

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

Lot ID: 2448812
Date Received :May 16, 2024
Date Reported :May 23, 2024
Report No. : 2997455-1

P/O : RJN(2)-018/66
Project Name : Pluak Daeng
Project Location :

Sample No. 2448812-1
Parameter Noise
Location บ้านวังตาหม่อน (N1) (GPS 47P 0734051, 1432155) (Shut down)
Measurement Date May 07 - 08, 2024
Measurement by Saknarin Jaraskay
Sound Level Meter 920834

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
04:05 AM - 04:10 AM	42.5	52.8	38.1
04:10 AM - 04:15 AM	42.8	52.3	37.8
04:15 AM - 04:20 AM	38.5	46.3	37.2
04:20 AM - 04:25 AM	37.7	42.7	36.9
04:25 AM - 04:30 AM	42.1	57.8	37.3
04:30 AM - 04:35 AM	42.3	59.6	36.7
04:35 AM - 04:40 AM	38.9	50.3	36.4
04:40 AM - 04:45 AM	41.7	57.2	37.1
04:45 AM - 04:50 AM	39.6	47.3	36.4
04:50 AM - 04:55 AM	43.2	55.7	36.8
04:55 AM - 05:00 AM	39.4	47.7	36.2
05:00 AM - 05:05 AM	39.4	47.2	37.0
05:05 AM - 05:10 AM	40.2	54.9	36.6
05:10 AM - 05:15 AM	37.8	48.9	36.3
05:15 AM - 05:20 AM	38.9	58.4	36.9
05:20 AM - 05:25 AM	38.0	42.7	36.9
05:25 AM - 05:30 AM	38.3	44.9	36.7
05:30 AM - 05:35 AM	38.0	46.2	36.9
05:35 AM - 05:40 AM	39.4	48.6	36.5
05:40 AM - 05:45 AM	38.2	45.1	37.1
05:45 AM - 05:50 AM	38.6	48.0	37.0
05:50 AM - 05:55 AM	39.3	47.3	37.2
05:55 AM - 06:00 AM	38.5	46.5	36.9
06:00 AM - 07:00 AM	40.0	59.0	36.9
07:00 AM - 08:00 AM	39.9	65.2	34.7
08:00 AM - 09:00 AM	43.1	62.3	35.0
09:00 AM - 10:00 AM	46.5	69.1	38.4
10:00 AM - 11:00 AM	52.2	73.7	43.8
11:00 AM - 12:00 PM	55.4	78.2	45.4
12:00 PM - 01:00 PM	54.0	73.6	43.4
01:00 PM - 02:00 PM	54.2	76.4	43.5
02:00 PM - 03:00 PM	55.0	79.4	43.7

Reference Method :
1. ISO 1996-1
2. ประกาศกรมโรงงานอุตสาหกรรม เรื่อง วิธีการตรวจวัดระดับเสียงการรบกวน ระดับเสียงเฉลี่ย 24 ชั่วโมง และระดับเสียงสูงสุดที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2567

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

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

Lot ID: 2448812
Date Received :May 16, 2024
Date Reported :May 23, 2024
Report No. : 2997456-1

P/O : RJN(2)-018/66
Project Name : Pluak Daeng
Project Location :

Sample No. 2448812-2
Parameter Noise
Location บ้านวังตาหม่อน (N1) (GPS 47P 0734051, 1432155) (Shut down)
Measurement Date May 08 - 09, 2024
Measurement by Saknarin Jaraskay
Sound Level Meter 920834

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:00 PM - 04:00 PM	56.1	74.9	46.5
04:00 PM - 05:00 PM	54.5	80.3	43.3
05:00 PM - 06:00 PM	59.3	83.4	56.8
06:00 PM - 07:00 PM	55.9	82.5	46.4
07:00 PM - 08:00 PM	53.1	76.4	46.9
08:00 PM - 09:00 PM	57.7	77.9	46.8
09:00 PM - 10:00 PM	57.6	79.6	48.8
10:00 PM - 10:05 PM	58.8	78.5	47.0
10:05 PM - 10:10 PM	66.1	83.4	47.3
10:10 PM - 10:15 PM	57.4	73.2	44.0
10:15 PM - 10:20 PM	55.4	71.4	43.2
10:20 PM - 10:25 PM	51.0	63.6	44.6
10:25 PM - 10:30 PM	51.6	67.1	45.4
10:30 PM - 10:35 PM	52.1	63.6	45.4
10:35 PM - 10:40 PM	55.2	72.4	45.3
10:40 PM - 10:45 PM	50.4	61.1	45.9
10:45 PM - 10:50 PM	52.7	64.0	45.5
10:50 PM - 10:55 PM	50.4	62.1	45.0
10:55 PM - 11:00 PM	53.5	67.8	45.6
11:00 PM - 11:05 PM	52.1	67.2	45.4
11:05 PM - 11:10 PM	52.1	63.1	46.3
11:10 PM - 11:15 PM	55.4	72.2	45.8
11:15 PM - 11:20 PM	51.4	65.4	45.6
11:20 PM - 11:25 PM	57.8	76.1	45.3
11:25 PM - 11:30 PM	54.2	75.1	43.3
11:30 PM - 11:35 PM	51.4	62.0	43.0
11:35 PM - 11:40 PM	50.5	68.1	42.1
11:40 PM - 11:45 PM	52.5	69.1	42.2
11:45 PM - 11:50 PM	47.6	57.4	42.4
11:50 PM - 11:55 PM	47.9	60.6	42.1
11:55 PM - 12:00 AM	52.5	70.0	41.6
12:00 AM - 12:05 AM	46.6	54.9	41.5
12:05 AM - 12:10 AM	52.0	67.6	41.7
12:10 AM - 12:15 AM	59.9	82.4	43.8
12:15 AM - 12:20 AM	50.0	65.0	44.0
12:20 AM - 12:25 AM	51.6	63.1	44.3
12:25 AM - 12:30 AM	49.2	59.3	44.6
12:30 AM - 12:35 AM	56.1	74.2	45.2
12:35 AM - 12:40 AM	49.5	64.0	42.4
12:40 AM - 12:45 AM	49.9	63.0	43.4

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Approved by

Wilawan Borirak
Manager

Analysis / Test Report

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

Lot ID: 2448812
Date Received :May 16, 2024
Date Reported :May 23, 2024
Report No. : 2997456-1

P/O : RJN(2)-018/66
Project Name : Pluak Daeng
Project Location :

Sample No. 2448812-2
Parameter Noise
Location บ้านวังตาหม่อน (N1) (GPS 47P 0734051, 1432155) (Shut down)
Measurement Date May 08 - 09, 2024
Measurement by Saknarin Jaraskay
Sound Level Meter 920834

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:45 AM - 12:50 AM	49.7	59.6	44.4
12:50 AM - 12:55 AM	48.3	60.5	42.4
12:55 AM - 01:00 AM	45.2	63.4	42.3
01:00 AM - 01:05 AM	49.0	62.5	41.4
01:05 AM - 01:10 AM	45.3	55.6	41.0
01:10 AM - 01:15 AM	47.6	60.2	41.4
01:15 AM - 01:20 AM	45.1	57.7	40.9
01:20 AM - 01:25 AM	44.8	55.1	40.1
01:25 AM - 01:30 AM	43.2	55.2	39.6
01:30 AM - 01:35 AM	46.0	60.6	39.7
01:35 AM - 01:40 AM	44.4	56.8	39.8
01:40 AM - 01:45 AM	62.1	79.4	41.3
01:45 AM - 01:50 AM	60.7	78.8	44.2
01:50 AM - 01:55 AM	58.4	75.4	42.0
01:55 AM - 02:00 AM	52.9	67.3	42.7
02:00 AM - 02:05 AM	47.1	61.5	40.3
02:05 AM - 02:10 AM	43.5	57.6	38.8
02:10 AM - 02:15 AM	51.5	67.3	39.9
02:15 AM - 02:20 AM	45.9	56.8	40.2
02:20 AM - 02:25 AM	45.9	61.2	39.6
02:25 AM - 02:30 AM	48.0	59.8	39.7
02:30 AM - 02:35 AM	46.6	57.4	40.2
02:35 AM - 02:40 AM	48.8	65.3	40.6
02:40 AM - 02:45 AM	44.5	58.4	39.4
02:45 AM - 02:50 AM	44.2	58.7	40.0
02:50 AM - 02:55 AM	42.8	55.3	39.5
02:55 AM - 03:00 AM	45.6	59.9	39.4
03:00 AM - 03:05 AM	46.6	65.8	39.6
03:05 AM - 03:10 AM	47.8	64.6	39.6
03:10 AM - 03:15 AM	46.4	65.5	39.9
03:15 AM - 03:20 AM	43.9	56.1	39.0
03:20 AM - 03:25 AM	43.5	57.5	38.4
03:25 AM - 03:30 AM	46.0	60.2	39.3
03:30 AM - 03:35 AM	45.8	63.6	39.5
03:35 AM - 03:40 AM	42.4	55.9	38.2
03:40 AM - 03:45 AM	45.9	60.8	37.5
03:45 AM - 03:50 AM	41.1	56.5	37.2
03:50 AM - 03:55 AM	41.6	53.6	38.1
03:55 AM - 04:00 AM	41.8	53.2	37.9
04:00 AM - 04:05 AM	46.4	62.6	38.7

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Approved by

Wilawan Borirak
Manager

Analysis / Test Report

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

Lot ID: 2448812
Date Received :May 16, 2024
Date Reported :May 23, 2024
Report No. : 2997456-1

P/O : RJN(2)-018/66
Project Name : Pluak Daeng
Project Location :

Sample No. 2448812-2
Parameter Noise
Location บ้านวังตาหม่อน (N1) (GPS 47P 0734051, 1432155) (Shut down)
Measurement Date May 08 - 09, 2024
Measurement by Saknarin Jaraskay
Sound Level Meter 920834

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
04:05 AM - 04:10 AM	40.7	48.3	38.1
04:10 AM - 04:15 AM	41.2	50.2	38.0
04:15 AM - 04:20 AM	41.8	54.8	38.5
04:20 AM - 04:25 AM	40.0	50.6	37.9
04:25 AM - 04:30 AM	43.3	55.5	38.4
04:30 AM - 04:35 AM	41.1	53.4	38.1
04:35 AM - 04:40 AM	41.4	53.0	37.6
04:40 AM - 04:45 AM	39.5	55.4	38.1
04:45 AM - 04:50 AM	43.6	60.2	38.0
04:50 AM - 04:55 AM	41.5	54.3	37.5
04:55 AM - 05:00 AM	43.5	59.1	37.3
05:00 AM - 05:05 AM	44.9	58.2	38.7
05:05 AM - 05:10 AM	41.1	51.9	38.2
05:10 AM - 05:15 AM	40.0	50.6	38.9
05:15 AM - 05:20 AM	41.2	50.2	38.6
05:20 AM - 05:25 AM	43.4	60.5	38.7
05:25 AM - 05:30 AM	39.6	46.2	38.5
05:30 AM - 05:35 AM	51.6	69.9	39.4
05:35 AM - 05:40 AM	41.8	51.4	39.1
05:40 AM - 05:45 AM	39.8	44.2	38.3
05:45 AM - 05:50 AM	42.8	55.3	40.4
05:50 AM - 05:55 AM	41.8	47.8	40.6
05:55 AM - 06:00 AM	41.6	51.4	39.9
06:00 AM - 07:00 AM	42.1	64.9	37.9
07:00 AM - 08:00 AM	41.9	61.2	39.0
08:00 AM - 09:00 AM	46.0	69.0	39.3
09:00 AM - 10:00 AM	51.7	71.7	44.5
10:00 AM - 11:00 AM	58.7	82.1	48.5
11:00 AM - 12:00 PM	58.7	77.2	50.3
12:00 PM - 01:00 PM	57.7	78.7	48.3
01:00 PM - 02:00 PM	56.9	77.3	46.2
02:00 PM - 03:00 PM	58.2	82.3	45.7

Reference Method :
1. ISO 1996-1
2. ประกาศกรมโรงงานอุตสาหกรรม เรื่อง วิธีการตรวจวัดระดับเสียงการรบกวน ระดับเสียงเฉลี่ย 24 ชั่วโมง และระดับเสียงสูงสุดที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2567

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Approved by

Wilawan Borirak
Manager

Analysis / Test Report

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

Lot ID: 2448812
Date Received :May 16, 2024
Date Reported :May 23, 2024
Report No. : 2997457-1

P/O : RJN(2)-018/66
Project Name : Pluak Daeng
Project Location :

Sample No. 2448812-3
Parameter Noise
Location บ้านวังตาหม่อน (N1) (GPS 47P 0734051, 1432155) (Shut down)
Measurement Date May 09 - 10, 2024
Measurement by Saknarin Jaraskay
Sound Level Meter 920834

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:00 PM - 04:00 PM	59.9	81.0	45.0
04:00 PM - 05:00 PM	58.0	79.3	44.5
05:00 PM - 06:00 PM	57.7	88.6	45.3
06:00 PM - 07:00 PM	60.1	80.2	46.4
07:00 PM - 08:00 PM	60.9	81.8	47.0
08:00 PM - 09:00 PM	59.9	83.4	46.2
09:00 PM - 10:00 PM	59.0	85.7	50.1
10:00 PM - 10:05 PM	54.1	70.0	45.8
10:05 PM - 10:10 PM	55.8	77.3	45.7
10:10 PM - 10:15 PM	50.6	63.1	44.3
10:15 PM - 10:20 PM	51.7	62.2	47.5
10:20 PM - 10:25 PM	55.4	71.6	47.4
10:25 PM - 10:30 PM	53.3	64.4	47.5
10:30 PM - 10:35 PM	57.5	70.3	47.7
10:35 PM - 10:40 PM	51.3	60.3	46.5
10:40 PM - 10:45 PM	51.7	66.6	46.9
10:45 PM - 10:50 PM	52.6	64.1	46.2
10:50 PM - 10:55 PM	53.5	65.8	46.9
10:55 PM - 11:00 PM	54.7	66.5	47.7
11:00 PM - 11:05 PM	55.2	67.5	48.3
11:05 PM - 11:10 PM	54.7	65.3	46.1
11:10 PM - 11:15 PM	55.6	72.7	46.1
11:15 PM - 11:20 PM	53.2	65.6	45.6
11:20 PM - 11:25 PM	52.7	64.0	45.1
11:25 PM - 11:30 PM	54.2	67.5	45.5
11:30 PM - 11:35 PM	52.6	67.4	45.1
11:35 PM - 11:40 PM	50.0	66.2	43.6
11:40 PM - 11:45 PM	56.3	78.8	46.3
11:45 PM - 11:50 PM	53.7	66.3	43.9
11:50 PM - 11:55 PM	55.0	71.1	45.3
11:55 PM - 12:00 AM	50.2	63.9	44.4
12:00 AM - 12:05 AM	54.5	70.5	45.8
12:05 AM - 12:10 AM	53.5	69.7	46.5
12:10 AM - 12:15 AM	52.3	63.5	46.5
12:15 AM - 12:20 AM	51.5	60.4	47.0
12:20 AM - 12:25 AM	54.5	71.5	46.4
12:25 AM - 12:30 AM	51.2	59.8	47.4
12:30 AM - 12:35 AM	53.7	66.3	46.6
12:35 AM - 12:40 AM	50.7	64.0	46.3
12:40 AM - 12:45 AM	51.8	68.3	43.8

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Approved by

Wilawan Borirak
Manager

Analysis / Test Report

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

Lot ID: 2448812
Date Received :May 16, 2024
Date Reported :May 23, 2024
Report No. : 2997457-1

P/O : RJN(2)-018/66
Project Name : Pluak Daeng
Project Location :

Sample No. 2448812-3
Parameter Noise
Location บ้านวังตาหม่อน (N1) (GPS 47P 0734051, 1432155) (Shut down)
Measurement Date May 09 - 10, 2024
Measurement by Saknarin Jaraskay
Sound Level Meter 920834

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:45 AM - 12:50 AM	55.4	73.9	46.1
12:50 AM - 12:55 AM	52.3	69.7	43.1
12:55 AM - 01:00 AM	59.3	76.1	44.6
01:00 AM - 01:05 AM	46.9	57.7	42.9
01:05 AM - 01:10 AM	46.5	56.8	42.8
01:10 AM - 01:15 AM	47.5	57.5	43.3
01:15 AM - 01:20 AM	49.3	63.0	43.1
01:20 AM - 01:25 AM	50.3	63.1	42.7
01:25 AM - 01:30 AM	47.1	63.0	41.7
01:30 AM - 01:35 AM	48.5	67.3	41.6
01:35 AM - 01:40 AM	49.2	66.6	41.4
01:40 AM - 01:45 AM	45.1	54.6	40.8
01:45 AM - 01:50 AM	50.6	65.5	42.5
01:50 AM - 01:55 AM	47.5	62.5	41.9
01:55 AM - 02:00 AM	49.5	62.1	42.7
02:00 AM - 02:05 AM	47.5	59.2	42.5
02:05 AM - 02:10 AM	44.8	54.6	41.7
02:10 AM - 02:15 AM	47.4	65.2	41.7
02:15 AM - 02:20 AM	45.1	55.1	41.2
02:20 AM - 02:25 AM	49.3	69.8	41.8
02:25 AM - 02:30 AM	46.7	64.1	41.4
02:30 AM - 02:35 AM	47.3	61.9	42.4
02:35 AM - 02:40 AM	50.4	65.1	41.6
02:40 AM - 02:45 AM	48.0	60.8	42.2
02:45 AM - 02:50 AM	52.0	67.0	41.1
02:50 AM - 02:55 AM	41.4	46.7	39.7
02:55 AM - 03:00 AM	47.2	60.5	40.1
03:00 AM - 03:05 AM	46.5	58.7	41.1
03:05 AM - 03:10 AM	49.6	62.4	42.2
03:10 AM - 03:15 AM	44.7	54.7	41.3
03:15 AM - 03:20 AM	44.3	56.3	40.8
03:20 AM - 03:25 AM	46.3	60.2	41.1
03:25 AM - 03:30 AM	43.8	53.6	41.7
03:30 AM - 03:35 AM	44.7	60.3	41.2
03:35 AM - 03:40 AM	43.6	51.6	41.5
03:40 AM - 03:45 AM	46.0	59.2	41.7
03:45 AM - 03:50 AM	44.6	57.1	41.0
03:50 AM - 03:55 AM	41.5	46.1	40.4
03:55 AM - 04:00 AM	42.9	49.9	40.5
04:00 AM - 04:05 AM	43.9	55.7	40.8

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Approved by

Wilawan Borirak
Manager

Analysis / Test Report

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

Lot ID: 2448812
Date Received :May 16, 2024
Date Reported :May 23, 2024
Report No. : 2997457-1

P/O : RJN(2)-018/66
Project Name : Pluak Daeng
Project Location :

Sample No. 2448812-3
Parameter Noise
Location บ้านวังตาหม่อน (N1) (GPS 47P 0734051, 1432155) (Shut down)
Measurement Date May 09 - 10, 2024
Measurement by Saknarin Jaraskay
Sound Level Meter 920834

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
04:05 AM - 04:10 AM	46.0	56.3	41.6
04:10 AM - 04:15 AM	46.3	55.8	41.3
04:15 AM - 04:20 AM	42.0	49.8	40.7
04:20 AM - 04:25 AM	41.2	46.2	40.4
04:25 AM - 04:30 AM	45.6	61.3	40.8
04:30 AM - 04:35 AM	45.8	63.1	40.2
04:35 AM - 04:40 AM	42.4	53.8	39.9
04:40 AM - 04:45 AM	45.2	60.7	40.6
04:45 AM - 04:50 AM	43.1	50.8	39.9
04:50 AM - 04:55 AM	46.7	59.2	40.3
04:55 AM - 05:00 AM	42.9	51.2	39.7
05:00 AM - 05:05 AM	42.9	50.7	40.5
05:05 AM - 05:10 AM	43.7	58.4	40.1
05:10 AM - 05:15 AM	41.3	52.4	39.8
05:15 AM - 05:20 AM	42.4	61.9	40.4
05:20 AM - 05:25 AM	41.5	46.2	40.4
05:25 AM - 05:30 AM	41.8	48.4	40.2
05:30 AM - 05:35 AM	41.5	49.7	40.4
05:35 AM - 05:40 AM	42.9	52.1	40.0
05:40 AM - 05:45 AM	41.7	48.6	40.6
05:45 AM - 05:50 AM	42.1	51.5	40.5
05:50 AM - 05:55 AM	42.8	50.8	40.7
05:55 AM - 06:00 AM	42.0	50.0	40.4
06:00 AM - 07:00 AM	43.5	62.5	40.4
07:00 AM - 08:00 AM	43.4	68.7	38.2
08:00 AM - 09:00 AM	46.6	65.8	38.5
09:00 AM - 10:00 AM	50.0	72.6	41.9
10:00 AM - 11:00 AM	55.7	77.2	47.3
11:00 AM - 12:00 PM	58.9	81.7	48.9
12:00 PM - 01:00 PM	57.5	77.1	46.9
01:00 PM - 02:00 PM	57.7	79.9	47.0
02:00 PM - 03:00 PM	58.5	82.9	47.2

Reference Method :
1. ISO 1996-1
2. ประกาศกรมโรงงานอุตสาหกรรม เรื่อง วิธีการตรวจวัดระดับเสียงการรบกวน ระดับเสียงเฉลี่ย 24 ชั่วโมง และระดับเสียงสูงสุดที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2567

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

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

Lot ID: 2448812
Date Received :May 16, 2024
Date Reported :May 23, 2024
Report No. : 2997458-1

P/O : RJN(2)-018/66
Project Name : Pluak Daeng
Project Location :

Sample No. 2448812-4
Parameter Noise
Location บ้านวังตาหม่อน (N1) (GPS 47P 0734051, 1432155) (Shut down)
Measurement Date May 10 - 11, 2024
Measurement by Saknarin Jaraskay
Sound Level Meter 920834

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:00 PM - 04:00 PM	59.6	78.4	50.0
04:00 PM - 05:00 PM	58.0	83.8	46.8
05:00 PM - 06:00 PM	62.8	86.9	60.3
06:00 PM - 07:00 PM	57.5	78.7	49.5
07:00 PM - 08:00 PM	56.6	79.9	50.4
08:00 PM - 09:00 PM	60.1	81.4	50.1
09:00 PM - 10:00 PM	61.1	84.3	52.4
10:00 PM - 10:05 PM	62.3	82.0	50.5
10:05 PM - 10:10 PM	62.6	82.3	50.8
10:10 PM - 10:15 PM	60.9	76.7	47.5
10:15 PM - 10:20 PM	58.9	74.9	46.7
10:20 PM - 10:25 PM	54.5	67.1	48.1
10:25 PM - 10:30 PM	55.1	70.6	48.9
10:30 PM - 10:35 PM	55.6	67.1	48.9
10:35 PM - 10:40 PM	58.7	75.9	48.8
10:40 PM - 10:45 PM	53.9	64.6	49.4
10:45 PM - 10:50 PM	56.2	67.5	49.0
10:50 PM - 10:55 PM	53.9	65.6	48.5
10:55 PM - 11:00 PM	57.0	71.3	49.1
11:00 PM - 11:05 PM	55.6	70.7	48.9
11:05 PM - 11:10 PM	55.6	66.6	49.8
11:10 PM - 11:15 PM	58.9	75.7	49.3
11:15 PM - 11:20 PM	54.9	68.9	49.1
11:20 PM - 11:25 PM	61.3	79.6	48.8
11:25 PM - 11:30 PM	57.7	78.6	46.8
11:30 PM - 11:35 PM	54.9	65.5	46.5
11:35 PM - 11:40 PM	54.0	71.6	45.6
11:40 PM - 11:45 PM	56.0	72.6	45.7
11:45 PM - 11:50 PM	51.1	60.9	45.9
11:50 PM - 11:55 PM	51.4	64.1	45.6
11:55 PM - 12:00 AM	56.0	73.5	45.1
12:00 AM - 12:05 AM	50.1	58.4	45.0
12:05 AM - 12:10 AM	55.5	71.1	45.2
12:10 AM - 12:15 AM	63.4	85.9	47.3
12:15 AM - 12:20 AM	53.5	68.5	47.5
12:20 AM - 12:25 AM	55.1	66.6	47.8
12:25 AM - 12:30 AM	52.7	62.8	48.1
12:30 AM - 12:35 AM	59.6	77.7	48.7
12:35 AM - 12:40 AM	53.0	67.5	45.9
12:40 AM - 12:45 AM	53.4	66.5	46.9

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Approved by

Wilawan Borirak
Manager

Analysis / Test Report

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

Lot ID: 2448812
Date Received :May 16, 2024
Date Reported :May 23, 2024
Report No. : 2997458-1

P/O : RJN(2)-018/66
Project Name : Pluak Daeng
Project Location :

Sample No. 2448812-4
Parameter Noise
Location บ้านวังตาหม่อน (N1) (GPS 47P 0734051, 1432155) (Shut down)
Measurement Date May 10 - 11, 2024
Measurement by Saknarin Jaraskay
Sound Level Meter 920834

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:45 AM - 12:50 AM	53.2	63.1	47.9
12:50 AM - 12:55 AM	51.8	64.0	45.9
12:55 AM - 01:00 AM	48.7	66.9	45.8
01:00 AM - 01:05 AM	52.5	66.0	44.9
01:05 AM - 01:10 AM	48.8	59.1	44.5
01:10 AM - 01:15 AM	51.1	63.7	44.9
01:15 AM - 01:20 AM	48.6	61.2	44.4
01:20 AM - 01:25 AM	48.3	58.6	43.6
01:25 AM - 01:30 AM	46.7	58.7	43.1
01:30 AM - 01:35 AM	49.5	64.1	43.2
01:35 AM - 01:40 AM	47.9	60.3	43.3
01:40 AM - 01:45 AM	65.6	82.9	44.8
01:45 AM - 01:50 AM	64.2	82.3	47.7
01:50 AM - 01:55 AM	61.9	78.9	45.5
01:55 AM - 02:00 AM	56.4	70.8	46.2
02:00 AM - 02:05 AM	50.6	65.0	43.8
02:05 AM - 02:10 AM	47.0	61.1	42.3
02:10 AM - 02:15 AM	55.0	70.8	43.4
02:15 AM - 02:20 AM	49.4	60.3	43.7
02:20 AM - 02:25 AM	49.4	64.7	43.1
02:25 AM - 02:30 AM	51.5	63.3	43.2
02:30 AM - 02:35 AM	50.1	60.9	43.7
02:35 AM - 02:40 AM	52.3	68.8	44.1
02:40 AM - 02:45 AM	48.0	61.9	42.9
02:45 AM - 02:50 AM	47.7	62.2	43.5
02:50 AM - 02:55 AM	46.3	58.8	43.0
02:55 AM - 03:00 AM	49.1	63.4	42.9
03:00 AM - 03:05 AM	50.1	69.3	43.1
03:05 AM - 03:10 AM	51.3	68.1	43.1
03:10 AM - 03:15 AM	49.9	69.0	43.4
03:15 AM - 03:20 AM	47.4	59.6	42.5
03:20 AM - 03:25 AM	47.0	61.0	41.9
03:25 AM - 03:30 AM	49.5	63.7	42.8
03:30 AM - 03:35 AM	48.2	66.0	41.9
03:35 AM - 03:40 AM	44.8	58.3	40.6
03:40 AM - 03:45 AM	48.3	63.2	39.9
03:45 AM - 03:50 AM	43.5	58.9	39.6
03:50 AM - 03:55 AM	44.0	56.0	40.5
03:55 AM - 04:00 AM	44.2	55.6	40.3
04:00 AM - 04:05 AM	48.8	65.0	41.1

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Approved by

Wilawan Borirak
Manager

Analysis / Test Report

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

Lot ID: 2448812
Date Received :May 16, 2024
Date Reported :May 23, 2024
Report No. : 2997458-1

P/O : RJN(2)-018/66
Project Name : Pluak Daeng
Project Location :

Sample No. 2448812-4
Parameter Noise
Location บ้านวังตาหม่อน (N1) (GPS 47P 0734051, 1432155) (Shut down)
Measurement Date May 10 - 11, 2024
Measurement by Saknarin Jaraskay
Sound Level Meter 920834

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
04:05 AM - 04:10 AM	43.1	50.7	40.5
04:10 AM - 04:15 AM	43.6	52.6	40.4
04:15 AM - 04:20 AM	44.2	57.2	40.9
04:20 AM - 04:25 AM	42.4	53.0	40.3
04:25 AM - 04:30 AM	45.7	57.9	40.8
04:30 AM - 04:35 AM	43.5	55.8	40.5
04:35 AM - 04:40 AM	43.8	55.4	40.0
04:40 AM - 04:45 AM	41.9	57.8	40.5
04:45 AM - 04:50 AM	46.0	62.6	40.4
04:50 AM - 04:55 AM	43.9	56.7	39.9
04:55 AM - 05:00 AM	45.9	61.5	39.7
05:00 AM - 05:05 AM	47.3	60.6	41.1
05:05 AM - 05:10 AM	43.5	54.3	40.6
05:10 AM - 05:15 AM	42.4	53.0	41.3
05:15 AM - 05:20 AM	43.6	52.6	41.0
05:20 AM - 05:25 AM	45.8	62.9	41.1
05:25 AM - 05:30 AM	42.0	48.6	40.9
05:30 AM - 05:35 AM	54.0	72.3	41.8
05:35 AM - 05:40 AM	44.2	53.8	41.5
05:40 AM - 05:45 AM	42.2	46.6	40.7
05:45 AM - 05:50 AM	45.2	57.7	42.8
05:50 AM - 05:55 AM	44.2	50.2	43.0
05:55 AM - 06:00 AM	44.0	53.8	42.3
06:00 AM - 07:00 AM	44.5	67.3	40.3
07:00 AM - 08:00 AM	44.3	63.6	41.4
08:00 AM - 09:00 AM	48.4	71.4	41.7
09:00 AM - 10:00 AM	54.1	74.1	46.9
10:00 AM - 11:00 AM	61.1	84.5	50.9
11:00 AM - 12:00 PM	61.1	79.6	52.7
12:00 PM - 01:00 PM	60.1	81.1	50.7
01:00 PM - 02:00 PM	59.3	79.7	48.6
02:00 PM - 03:00 PM	58.8	81.0	47.9

Reference Method :
1. ISO 1996-1
2. ประกาศกรมโรงงานอุตสาหกรรม เรื่อง วิธีการตรวจวัดระดับเสียงการรบกวน ระดับเสียงเฉลี่ย 24 ชั่วโมง และระดับเสียงสูงสุดที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2567

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Approved by

Wilawan Borirak
Manager

Analysis / Test Report

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

Lot ID: 2448812
Date Received :May 16, 2024
Date Reported :May 23, 2024
Report No. : 2997459-1

P/O : RJN(2)-018/66
Project Name : Pluak Daeng
Project Location :

Sample No. 2448812-5
Parameter Noise
Location บ้านวังตาหม่อน (N1) (GPS 47P 0734051, 1432155) (Shut down)
Measurement Date May 11 - 12, 2024
Measurement by Saknarin Jaraskay
Sound Level Meter 920834

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:00 PM - 04:00 PM	58.5	79.6	43.6
04:00 PM - 05:00 PM	56.6	77.9	43.1
05:00 PM - 06:00 PM	56.3	87.2	43.9
06:00 PM - 07:00 PM	58.7	78.8	45.0
07:00 PM - 08:00 PM	59.5	80.4	45.6
08:00 PM - 09:00 PM	58.5	82.0	44.8
09:00 PM - 10:00 PM	57.6	84.3	48.7
10:00 PM - 10:05 PM	52.7	68.6	44.4
10:05 PM - 10:10 PM	54.4	75.9	44.3
10:10 PM - 10:15 PM	49.2	61.7	42.9
10:15 PM - 10:20 PM	50.3	60.8	46.1
10:20 PM - 10:25 PM	54.0	70.2	46.0
10:25 PM - 10:30 PM	51.9	63.0	46.1
10:30 PM - 10:35 PM	56.1	68.9	46.3
10:35 PM - 10:40 PM	49.9	58.9	45.1
10:40 PM - 10:45 PM	50.3	65.2	45.5
10:45 PM - 10:50 PM	51.2	62.7	44.8
10:50 PM - 10:55 PM	52.1	64.4	45.5
10:55 PM - 11:00 PM	53.3	65.1	46.3
11:00 PM - 11:05 PM	53.8	66.1	46.9
11:05 PM - 11:10 PM	53.3	63.9	44.7
11:10 PM - 11:15 PM	54.2	71.3	44.7
11:15 PM - 11:20 PM	51.8	64.2	44.2
11:20 PM - 11:25 PM	51.3	62.6	43.7
11:25 PM - 11:30 PM	52.8	66.1	44.1
11:30 PM - 11:35 PM	51.2	66.0	43.7
11:35 PM - 11:40 PM	48.6	64.8	42.2
11:40 PM - 11:45 PM	54.9	77.4	44.9
11:45 PM - 11:50 PM	52.3	64.9	42.5
11:50 PM - 11:55 PM	53.6	69.7	43.9
11:55 PM - 12:00 AM	48.8	62.5	43.0
12:00 AM - 12:05 AM	53.1	69.1	44.4
12:05 AM - 12:10 AM	52.1	68.3	45.1
12:10 AM - 12:15 AM	50.9	62.1	45.1
12:15 AM - 12:20 AM	50.1	59.0	45.6
12:20 AM - 12:25 AM	53.1	70.1	45.0
12:25 AM - 12:30 AM	49.8	58.4	46.0
12:30 AM - 12:35 AM	52.3	64.9	45.2
12:35 AM - 12:40 AM	49.3	62.6	44.9
12:40 AM - 12:45 AM	50.4	66.9	42.4

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Approved by

Wilawan Borirak
Manager

Analysis / Test Report

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

Lot ID: 2448812
Date Received :May 16, 2024
Date Reported :May 23, 2024
Report No. : 2997459-1

P/O : RJN(2)-018/66
Project Name : Pluak Daeng
Project Location :

Sample No. 2448812-5
Parameter Noise
Location บ้านวังตาหม่อน (N1) (GPS 47P 0734051, 1432155) (Shut down)
Measurement Date May 11 - 12, 2024
Measurement by Saknarin Jaraskay
Sound Level Meter 920834

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:45 AM - 12:50 AM	54.0	72.5	44.7
12:50 AM - 12:55 AM	50.9	68.3	41.7
12:55 AM - 01:00 AM	57.9	74.7	43.2
01:00 AM - 01:05 AM	45.5	56.3	41.5
01:05 AM - 01:10 AM	45.1	55.4	41.4
01:10 AM - 01:15 AM	46.1	56.1	41.9
01:15 AM - 01:20 AM	47.9	61.6	41.7
01:20 AM - 01:25 AM	48.9	61.7	41.3
01:25 AM - 01:30 AM	45.7	61.6	40.3
01:30 AM - 01:35 AM	47.1	65.9	40.2
01:35 AM - 01:40 AM	47.8	65.2	40.0
01:40 AM - 01:45 AM	43.7	53.2	39.4
01:45 AM - 01:50 AM	49.2	64.1	41.1
01:50 AM - 01:55 AM	46.1	61.1	40.5
01:55 AM - 02:00 AM	48.1	60.7	41.3
02:00 AM - 02:05 AM	46.1	57.8	41.1
02:05 AM - 02:10 AM	43.4	53.2	40.3
02:10 AM - 02:15 AM	46.0	63.8	40.3
02:15 AM - 02:20 AM	43.7	53.7	39.8
02:20 AM - 02:25 AM	47.9	68.4	40.4
02:25 AM - 02:30 AM	45.3	62.7	40.0
02:30 AM - 02:35 AM	45.9	60.5	41.0
02:35 AM - 02:40 AM	49.0	63.7	40.2
02:40 AM - 02:45 AM	46.6	59.4	40.8
02:45 AM - 02:50 AM	50.6	65.6	39.7
02:50 AM - 02:55 AM	40.0	45.3	38.3
02:55 AM - 03:00 AM	45.8	59.1	38.7
03:00 AM - 03:05 AM	45.1	57.3	39.7
03:05 AM - 03:10 AM	48.2	61.0	40.8
03:10 AM - 03:15 AM	43.3	53.3	39.9
03:15 AM - 03:20 AM	42.9	54.9	39.4
03:20 AM - 03:25 AM	44.9	58.8	39.7
03:25 AM - 03:30 AM	42.4	52.2	40.3
03:30 AM - 03:35 AM	43.3	58.9	39.8
03:35 AM - 03:40 AM	42.2	50.2	40.1
03:40 AM - 03:45 AM	44.6	57.8	40.3
03:45 AM - 03:50 AM	43.2	55.7	39.6
03:50 AM - 03:55 AM	40.1	44.7	39.0
03:55 AM - 04:00 AM	41.5	48.5	39.1
04:00 AM - 04:05 AM	42.5	54.3	39.4

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Approved by

Wilawan Borirak
Manager

Analysis / Test Report

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

Lot ID: 2448812
Date Received :May 16, 2024
Date Reported :May 23, 2024
Report No. : 2997459-1

P/O : RJN(2)-018/66
Project Name : Pluak Daeng
Project Location :

Sample No. 2448812-5
Parameter Noise
Location บ้านวังตาหม่อน (N1) (GPS 47P 0734051, 1432155) (Shut down)
Measurement Date May 11 - 12, 2024
Measurement by Saknarin Jaraskay
Sound Level Meter 920834

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
04:05 AM - 04:10 AM	44.6	54.9	40.2
04:10 AM - 04:15 AM	44.9	54.4	39.9
04:15 AM - 04:20 AM	40.6	48.4	39.3
04:20 AM - 04:25 AM	39.8	44.8	39.0
04:25 AM - 04:30 AM	44.2	59.9	39.4
04:30 AM - 04:35 AM	44.4	61.7	38.8
04:35 AM - 04:40 AM	41.0	52.4	38.5
04:40 AM - 04:45 AM	43.8	59.3	39.2
04:45 AM - 04:50 AM	41.7	49.4	38.5
04:50 AM - 04:55 AM	45.3	57.8	38.9
04:55 AM - 05:00 AM	41.5	49.8	38.3
05:00 AM - 05:05 AM	41.5	49.3	39.1
05:05 AM - 05:10 AM	42.3	57.0	38.7
05:10 AM - 05:15 AM	39.9	51.0	38.4
05:15 AM - 05:20 AM	41.0	60.5	39.0
05:20 AM - 05:25 AM	40.1	44.8	39.0
05:25 AM - 05:30 AM	40.4	47.0	38.8
05:30 AM - 05:35 AM	39.3	47.5	38.2
05:35 AM - 05:40 AM	40.7	49.9	37.8
05:40 AM - 05:45 AM	39.5	46.4	38.4
05:45 AM - 05:50 AM	39.9	49.3	38.3
05:50 AM - 05:55 AM	40.6	48.6	38.5
05:55 AM - 06:00 AM	39.8	47.8	38.2
06:00 AM - 07:00 AM	41.3	60.3	38.2
07:00 AM - 08:00 AM	41.2	66.5	36.0
08:00 AM - 09:00 AM	44.4	63.6	36.3
09:00 AM - 10:00 AM	47.8	70.4	39.7
10:00 AM - 11:00 AM	53.5	75.0	45.1
11:00 AM - 12:00 PM	56.7	79.5	46.7
12:00 PM - 01:00 PM	55.3	74.9	44.7
01:00 PM - 02:00 PM	55.5	77.7	44.8
02:00 PM - 03:00 PM	56.3	80.7	45.0

Reference Method :
1. ISO 1996-1
2. ประกาศกรมโรงงานอุตสาหกรรม เรื่อง วิธีการตรวจวัดระดับเสียงการรบกวน ระดับเสียงเฉลี่ย 24 ชั่วโมง และระดับเสียงสูงสุดที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2567

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

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

Lot ID: 2448812
Date Received :May 16, 2024
Date Reported :May 23, 2024
Report No. : 2997460-1

P/O : RJN(2)-018/66
Project Name : Pluak Daeng
Project Location :

Sample No. 2448812-6
Parameter Noise
Location บ้านวังตาหม่อน (N1) (GPS 47P 0734051, 1432155) (Shut down)
Measurement Date May 12 - 13, 2024
Measurement by Saknarin Jaraskay
Sound Level Meter 920834

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:00 PM - 04:00 PM	57.7	78.8	42.8
04:00 PM - 05:00 PM	55.8	77.1	42.3
05:00 PM - 06:00 PM	55.5	86.4	43.1
06:00 PM - 07:00 PM	57.9	78.0	44.2
07:00 PM - 08:00 PM	58.7	79.6	44.8
08:00 PM - 09:00 PM	57.7	81.2	44.0
09:00 PM - 10:00 PM	56.8	83.5	47.9
10:00 PM - 10:05 PM	51.9	67.8	43.6
10:05 PM - 10:10 PM	53.6	75.1	43.5
10:10 PM - 10:15 PM	48.4	60.9	42.1
10:15 PM - 10:20 PM	49.5	60.0	45.3
10:20 PM - 10:25 PM	53.2	69.4	45.2
10:25 PM - 10:30 PM	51.1	62.2	45.3
10:30 PM - 10:35 PM	55.3	68.1	45.5
10:35 PM - 10:40 PM	49.1	58.1	44.3
10:40 PM - 10:45 PM	49.5	64.4	44.7
10:45 PM - 10:50 PM	50.4	61.9	44.0
10:50 PM - 10:55 PM	51.3	63.6	44.7
10:55 PM - 11:00 PM	52.5	64.3	45.5
11:00 PM - 11:05 PM	53.0	65.3	46.1
11:05 PM - 11:10 PM	52.5	63.1	43.9
11:10 PM - 11:15 PM	53.4	70.5	43.9
11:15 PM - 11:20 PM	51.0	63.4	43.4
11:20 PM - 11:25 PM	50.5	61.8	42.9
11:25 PM - 11:30 PM	52.0	65.3	43.3
11:30 PM - 11:35 PM	50.4	65.2	42.9
11:35 PM - 11:40 PM	47.8	64.0	41.4
11:40 PM - 11:45 PM	54.1	76.6	44.1
11:45 PM - 11:50 PM	51.5	64.1	41.7
11:50 PM - 11:55 PM	52.8	68.9	43.1
11:55 PM - 12:00 AM	48.0	61.7	42.2
12:00 AM - 12:05 AM	52.3	68.3	43.6
12:05 AM - 12:10 AM	51.3	67.5	44.3
12:10 AM - 12:15 AM	50.1	61.3	44.3
12:15 AM - 12:20 AM	49.3	58.2	44.8
12:20 AM - 12:25 AM	52.3	69.3	44.2
12:25 AM - 12:30 AM	49.0	57.6	45.2
12:30 AM - 12:35 AM	51.5	64.1	44.4
12:35 AM - 12:40 AM	48.5	61.8	44.1
12:40 AM - 12:45 AM	49.6	66.1	41.6

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Approved by

Wilawan Borirak
Manager

Analysis / Test Report

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

Lot ID: 2448812
Date Received :May 16, 2024
Date Reported :May 23, 2024
Report No. : 2997460-1

P/O : RJN(2)-018/66
Project Name : Pluak Daeng
Project Location :

Sample No. 2448812-6
Parameter Noise
Location บ้านวังตาหม่อน (N1) (GPS 47P 0734051, 1432155) (Shut down)
Measurement Date May 12 - 13, 2024
Measurement by Saknarin Jaraskay
Sound Level Meter 920834

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:45 AM - 12:50 AM	53.2	71.7	43.9
12:50 AM - 12:55 AM	50.1	67.5	40.9
12:55 AM - 01:00 AM	57.1	73.9	42.4
01:00 AM - 01:05 AM	44.7	55.5	40.7
01:05 AM - 01:10 AM	44.3	54.6	40.6
01:10 AM - 01:15 AM	45.3	55.3	41.1
01:15 AM - 01:20 AM	47.1	60.8	40.9
01:20 AM - 01:25 AM	48.1	60.9	40.5
01:25 AM - 01:30 AM	44.9	60.8	39.5
01:30 AM - 01:35 AM	46.3	65.1	39.4
01:35 AM - 01:40 AM	47.0	64.4	39.2
01:40 AM - 01:45 AM	42.9	52.4	38.6
01:45 AM - 01:50 AM	48.4	63.3	40.3
01:50 AM - 01:55 AM	45.3	60.3	39.7
01:55 AM - 02:00 AM	47.3	59.9	40.5
02:00 AM - 02:05 AM	45.3	57.0	40.3
02:05 AM - 02:10 AM	42.6	52.4	39.5
02:10 AM - 02:15 AM	45.2	63.0	39.5
02:15 AM - 02:20 AM	42.9	52.9	39.0
02:20 AM - 02:25 AM	47.1	67.6	39.6
02:25 AM - 02:30 AM	44.5	61.9	39.2
02:30 AM - 02:35 AM	45.1	59.7	40.2
02:35 AM - 02:40 AM	48.2	62.9	39.4
02:40 AM - 02:45 AM	45.8	58.6	40.0
02:45 AM - 02:50 AM	49.8	64.8	38.9
02:50 AM - 02:55 AM	39.2	44.5	37.5
02:55 AM - 03:00 AM	45.0	58.3	37.9
03:00 AM - 03:05 AM	44.3	56.5	38.9
03:05 AM - 03:10 AM	47.4	60.2	40.0
03:10 AM - 03:15 AM	42.5	52.5	39.1
03:15 AM - 03:20 AM	42.1	54.1	38.6
03:20 AM - 03:25 AM	44.1	58.0	38.9
03:25 AM - 03:30 AM	41.6	51.4	39.5
03:30 AM - 03:35 AM	42.5	58.1	39.0
03:35 AM - 03:40 AM	41.4	49.4	39.3
03:40 AM - 03:45 AM	43.8	57.0	39.5
03:45 AM - 03:50 AM	42.4	54.9	38.8
03:50 AM - 03:55 AM	39.3	43.9	38.2
03:55 AM - 04:00 AM	40.7	47.7	38.3
04:00 AM - 04:05 AM	41.7	53.5	38.6

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Approved by

Wilawan Borirak
Manager

Analysis / Test Report

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

Lot ID: 2448812
Date Received :May 16, 2024
Date Reported :May 23, 2024
Report No. : 2997460-1

P/O : RJN(2)-018/66
Project Name : Pluak Daeng
Project Location :

Sample No. 2448812-6
Parameter Noise
Location บ้านวังตาหม่อน (N1) (GPS 47P 0734051, 1432155) (Shut down)
Measurement Date May 12 - 13, 2024
Measurement by Saknarin Jaraskay
Sound Level Meter 920834

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
04:05 AM - 04:10 AM	43.8	54.1	39.4
04:10 AM - 04:15 AM	44.1	53.6	39.1
04:15 AM - 04:20 AM	39.8	47.6	38.5
04:20 AM - 04:25 AM	39.0	44.0	38.2
04:25 AM - 04:30 AM	43.4	59.1	38.6
04:30 AM - 04:35 AM	43.6	60.9	38.0
04:35 AM - 04:40 AM	40.2	51.6	37.7
04:40 AM - 04:45 AM	43.0	58.5	38.4
04:45 AM - 04:50 AM	40.9	48.6	37.7
04:50 AM - 04:55 AM	44.5	57.0	38.1
04:55 AM - 05:00 AM	40.7	49.0	37.5
05:00 AM - 05:05 AM	40.7	48.5	38.3
05:05 AM - 05:10 AM	41.5	56.2	37.9
05:10 AM - 05:15 AM	39.1	50.2	37.6
05:15 AM - 05:20 AM	40.2	59.7	38.2
05:20 AM - 05:25 AM	39.3	44.0	38.2
05:25 AM - 05:30 AM	39.6	46.2	38.0
05:30 AM - 05:35 AM	39.3	47.5	38.2
05:35 AM - 05:40 AM	40.7	49.9	37.8
05:40 AM - 05:45 AM	39.5	46.4	38.4
05:45 AM - 05:50 AM	39.9	49.3	38.3
05:50 AM - 05:55 AM	40.6	48.6	38.5
05:55 AM - 06:00 AM	39.8	47.8	38.2
06:00 AM - 07:00 AM	41.3	60.3	38.2
07:00 AM - 08:00 AM	41.2	66.5	36.0
08:00 AM - 09:00 AM	44.4	63.6	36.3
09:00 AM - 10:00 AM	47.8	70.4	39.7
10:00 AM - 11:00 AM	53.5	75.0	45.1
11:00 AM - 12:00 PM	56.7	79.5	46.7
12:00 PM - 01:00 PM	55.3	74.9	44.7
01:00 PM - 02:00 PM	55.5	77.7	44.8
02:00 PM - 03:00 PM	56.3	80.7	45.0

Reference Method :
1. ISO 1996-1
2. ประกาศกรมโรงงานอุตสาหกรรม เรื่อง วิธีการตรวจวัดระดับเสียงการรบกวน ระดับเสียงเฉลี่ย 24 ชั่วโมง และระดับเสียงสูงสุดที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2567

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Wilawan Borirak
Manager

Analysis / Test Report

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

Lot ID: 2448812
Date Received :May 16, 2024
Date Reported :May 23, 2024
Report No. : 2997461-1

P/O : RJN(2)-018/66
Project Name : Pluak Daeng
Project Location :

Sample No. 2448812-7
Parameter Noise
Location บ้านวังตาหม่อน (N1) (GPS 47P 0734051, 1432155) (Shut down)
Measurement Date May 13 - 14, 2024
Measurement by Saknarin Jaraskay
Sound Level Meter 920834

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:00 PM - 04:00 PM	54.1	72.9	45.0
04:00 PM - 05:00 PM	53.1	78.8	41.9
05:00 PM - 06:00 PM	58.0	81.9	55.3
06:00 PM - 07:00 PM	54.1	81.0	45.0
07:00 PM - 08:00 PM	51.7	74.9	45.3
08:00 PM - 09:00 PM	56.3	77.4	46.2
09:00 PM - 10:00 PM	58.3	87.9	46.8
10:00 PM - 10:05 PM	64.6	81.9	45.8
10:05 PM - 10:10 PM	55.9	71.7	42.5
10:10 PM - 10:15 PM	53.9	69.9	41.7
10:15 PM - 10:20 PM	49.5	62.1	43.1
10:20 PM - 10:25 PM	50.1	65.6	43.9
10:25 PM - 10:30 PM	50.6	62.1	43.9
10:30 PM - 10:35 PM	53.7	70.9	43.8
10:35 PM - 10:40 PM	48.9	59.6	44.4
10:40 PM - 10:45 PM	51.2	62.5	44.0
10:45 PM - 10:50 PM	48.9	60.6	43.5
10:50 PM - 10:55 PM	52.0	66.3	44.1
10:55 PM - 11:00 PM	50.6	65.7	43.9
11:00 PM - 11:05 PM	50.6	61.6	44.8
11:05 PM - 11:10 PM	53.9	70.7	44.3
11:10 PM - 11:15 PM	49.9	63.9	44.1
11:15 PM - 11:20 PM	56.3	74.6	43.8
11:20 PM - 11:25 PM	52.7	73.6	41.8
11:25 PM - 11:30 PM	49.9	60.5	41.5
11:30 PM - 11:35 PM	49.0	66.6	40.6
11:35 PM - 11:40 PM	51.0	67.6	40.7
11:40 PM - 11:45 PM	46.1	55.9	40.9
11:45 PM - 11:50 PM	46.4	59.1	40.6
11:50 PM - 11:55 PM	51.0	68.5	40.1
11:55 PM - 12:00 AM	45.1	53.4	40.0
12:00 AM - 12:05 AM	50.5	66.1	40.2
12:05 AM - 12:10 AM	58.4	80.9	42.3
12:10 AM - 12:15 AM	48.5	63.5	42.5
12:15 AM - 12:20 AM	50.1	61.6	42.8
12:20 AM - 12:25 AM	47.7	57.8	43.1
12:25 AM - 12:30 AM	54.6	72.7	43.7
12:30 AM - 12:35 AM	48.0	62.5	40.9
12:35 AM - 12:40 AM	48.4	61.5	41.9
12:40 AM - 12:45 AM	48.2	58.1	42.9

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Approved by

Wilawan Borirak
Manager

Analysis / Test Report

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

Lot ID: 2448812
Date Received :May 16, 2024
Date Reported :May 23, 2024
Report No. : 2997461-1

P/O : RJN(2)-018/66
Project Name : Pluak Daeng
Project Location :

Sample No. 2448812-7
Parameter Noise
Location บ้านวังตาหม่อน (N1) (GPS 47P 0734051, 1432155) (Shut down)
Measurement Date May 13 - 14, 2024
Measurement by Saknarin Jaraskay
Sound Level Meter 920834

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:45 AM - 12:50 AM	46.8	59.0	40.9
12:50 AM - 12:55 AM	43.7	61.9	40.8
12:55 AM - 01:00 AM	47.5	61.0	39.9
01:00 AM - 01:05 AM	43.8	54.1	39.5
01:05 AM - 01:10 AM	46.1	58.7	39.9
01:10 AM - 01:15 AM	43.6	56.2	39.4
01:15 AM - 01:20 AM	43.3	53.6	38.6
01:20 AM - 01:25 AM	41.7	53.7	38.1
01:25 AM - 01:30 AM	44.5	59.1	38.2
01:30 AM - 01:35 AM	42.9	55.3	38.3
01:35 AM - 01:40 AM	60.6	77.9	39.8
01:40 AM - 01:45 AM	59.2	77.3	42.7
01:45 AM - 01:50 AM	56.9	73.9	40.5
01:50 AM - 01:55 AM	51.4	65.8	41.2
01:55 AM - 02:00 AM	45.6	60.0	38.8
02:00 AM - 02:05 AM	42.0	56.1	37.3
02:05 AM - 02:10 AM	50.0	65.8	38.4
02:10 AM - 02:15 AM	44.4	55.3	38.7
02:15 AM - 02:20 AM	44.4	59.7	38.1
02:20 AM - 02:25 AM	46.5	58.3	38.2
02:25 AM - 02:30 AM	45.1	55.9	38.7
02:30 AM - 02:35 AM	47.3	63.8	39.1
02:35 AM - 02:40 AM	43.0	56.9	37.9
02:40 AM - 02:45 AM	42.7	57.2	38.5
02:45 AM - 02:50 AM	41.3	53.8	38.0
02:50 AM - 02:55 AM	44.1	58.4	37.9
02:55 AM - 03:00 AM	45.1	64.3	38.1
03:00 AM - 03:05 AM	46.3	63.1	38.1
03:05 AM - 03:10 AM	44.9	64.0	38.4
03:10 AM - 03:15 AM	42.4	54.6	37.5
03:15 AM - 03:20 AM	42.0	56.0	36.9
03:20 AM - 03:25 AM	44.5	58.7	37.8
03:25 AM - 03:30 AM	44.3	62.1	38.0
03:30 AM - 03:35 AM	40.9	54.4	36.7
03:35 AM - 03:40 AM	44.4	59.3	36.0
03:40 AM - 03:45 AM	39.6	55.0	35.7
03:45 AM - 03:50 AM	40.1	52.1	36.6
03:50 AM - 03:55 AM	40.3	51.7	36.4
03:55 AM - 04:00 AM	44.9	61.1	37.2
04:00 AM - 04:05 AM	39.2	46.8	36.6

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Wilawan Borirak
Manager

Analysis / Test Report

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

Lot ID: 2448812
Date Received :May 16, 2024
Date Reported :May 23, 2024
Report No. : 2997461-1

P/O : RJN(2)-018/66
Project Name : Pluak Daeng
Project Location :

Sample No. 2448812-7
Parameter Noise
Location บ้านวังตาหม่อน (N1) (GPS 47P 0734051, 1432155) (Shut down)
Measurement Date May 13 - 14, 2024
Measurement by Saknarin Jaraskay
Sound Level Meter 920834

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
04:05 AM - 04:10 AM	39.7	48.7	36.5
04:10 AM - 04:15 AM	40.3	53.3	37.0
04:15 AM - 04:20 AM	38.5	49.1	36.4
04:20 AM - 04:25 AM	41.8	54.0	36.9
04:25 AM - 04:30 AM	39.6	51.9	36.6
04:30 AM - 04:35 AM	39.9	51.5	36.1
04:35 AM - 04:40 AM	38.0	53.9	36.6
04:40 AM - 04:45 AM	42.1	58.7	36.5
04:45 AM - 04:50 AM	40.0	52.8	36.0
04:50 AM - 04:55 AM	42.0	57.6	35.8
04:55 AM - 05:00 AM	43.4	56.7	37.2
05:00 AM - 05:05 AM	39.6	50.4	36.7
05:05 AM - 05:10 AM	38.5	49.1	37.4
05:10 AM - 05:15 AM	39.7	48.7	37.1
05:15 AM - 05:20 AM	41.9	59.0	37.2
05:20 AM - 05:25 AM	38.1	44.7	37.0
05:25 AM - 05:30 AM	50.1	68.4	37.9
05:30 AM - 05:35 AM	40.3	49.9	37.6
05:35 AM - 05:40 AM	38.3	42.7	36.8
05:40 AM - 05:45 AM	41.3	53.8	38.9
05:45 AM - 05:50 AM	40.3	46.3	39.1
05:50 AM - 05:55 AM	40.1	49.9	38.4
05:55 AM - 06:00 AM	42.1	55.7	39.0
06:00 AM - 07:00 AM	40.3	63.4	36.1
07:00 AM - 08:00 AM	41.2	65.2	37.7
08:00 AM - 09:00 AM	44.4	67.5	38.1
09:00 AM - 10:00 AM	49.2	69.2	42.0
10:00 AM - 11:00 AM	56.2	79.6	46.0
11:00 AM - 12:00 PM	56.2	74.7	47.8
12:00 PM - 01:00 PM	55.9	76.2	46.7
01:00 PM - 02:00 PM	55.5	75.9	44.8
02:00 PM - 03:00 PM	56.8	80.9	44.3

Reference Method :
1. ISO 1996-1
2. ประกาศกรมโรงงานอุตสาหกรรม เรื่อง วิธีการตรวจวัดระดับเสียงการรบกวน ระดับเสียงเฉลี่ย 24 ชั่วโมง และระดับเสียงสูงสุดที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2567

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Wilawan Borirak
Manager

Analysis / Test Report

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

Lot ID: 2448812
Date Received :May 16, 2024
Date Reported :May 23, 2024
Report No. : 2997462-1

P/O : RJN(2)-018/66
Project Name : Pluak Daeng
Project Location :

Sample No. 2448812-8
Parameter Noise
Location บ้านพักอาศัย หมู่ 2 ซ.มาบยางพร 15 (N2) (GPS 47P 0733671, 1433988) (Shut down)
Measurement Date May 07 - 08, 2024
Measurement by Saknarin Jaraskay
Sound Level Meter 920832

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:00 PM - 04:00 PM	56.4	76.6	42.8
04:00 PM - 05:00 PM	57.1	83.3	44.6
05:00 PM - 06:00 PM	59.2	80.2	46.4
06:00 PM - 07:00 PM	57.2	82.5	43.0
07:00 PM - 08:00 PM	59.2	79.4	45.2
08:00 PM - 09:00 PM	56.6	75.5	42.1
09:00 PM - 10:00 PM	54.8	79.7	38.2
10:00 PM - 10:05 PM	48.0	63.7	36.0
10:05 PM - 10:10 PM	40.3	54.6	35.6
10:10 PM - 10:15 PM	54.8	73.0	37.0
10:15 PM - 10:20 PM	44.6	61.6	36.3
10:20 PM - 10:25 PM	47.7	66.2	36.3
10:25 PM - 10:30 PM	54.4	74.0	36.4
10:30 PM - 10:35 PM	43.9	64.4	36.5
10:35 PM - 10:40 PM	50.5	65.0	36.8
10:40 PM - 10:45 PM	52.6	74.0	36.6
10:45 PM - 10:50 PM	59.4	80.8	36.4
10:50 PM - 10:55 PM	46.1	63.7	36.4
10:55 PM - 11:00 PM	53.5	67.2	36.7
11:00 PM - 11:05 PM	54.9	67.8	38.6
11:05 PM - 11:10 PM	50.4	66.9	36.7
11:10 PM - 11:15 PM	51.8	72.7	36.4
11:15 PM - 11:20 PM	54.5	75.6	37.5
11:20 PM - 11:25 PM	50.5	71.0	36.8
11:25 PM - 11:30 PM	60.3	76.0	37.4
11:30 PM - 11:35 PM	53.9	73.1	38.1
11:35 PM - 11:40 PM	43.9	59.1	35.5
11:40 PM - 11:45 PM	47.7	70.8	35.6
11:45 PM - 11:50 PM	46.3	64.6	36.8
11:50 PM - 11:55 PM	50.3	68.2	35.6
11:55 PM - 12:00 AM	54.7	74.7	36.4
12:00 AM - 12:05 AM	52.9	70.3	35.8
12:05 AM - 12:10 AM	52.2	72.6	36.0
12:10 AM - 12:15 AM	51.5	66.1	36.6
12:15 AM - 12:20 AM	48.2	63.2	36.8
12:20 AM - 12:25 AM	50.1	65.1	37.0
12:25 AM - 12:30 AM	40.8	53.5	34.7
12:30 AM - 12:35 AM	49.9	65.7	37.5
12:35 AM - 12:40 AM	41.1	55.0	35.7
12:40 AM - 12:45 AM	42.3	59.4	34.6

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Wilawan Borirak
Manager

Analysis / Test Report

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

Lot ID: 2448812
Date Received :May 16, 2024
Date Reported :May 23, 2024
Report No. : 2997462-1

P/O : RJN(2)-018/66
Project Name : Pluak Daeng
Project Location :

Sample No. 2448812-8
Parameter Noise
Location บ้านพักอาศัย หมู่ 2 ซ.มาบยางพร 15 (N2) (GPS 47P 0733671, 1433988) (Shut down)
Measurement Date May 07 - 08, 2024
Measurement by Saknarin Jaraskay
Sound Level Meter 920832

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:45 AM - 12:50 AM	43.4	59.3	34.8
12:50 AM - 12:55 AM	48.1	66.8	34.6
12:55 AM - 01:00 AM	44.7	62.3	35.1
01:00 AM - 01:05 AM	41.2	49.1	34.3
01:05 AM - 01:10 AM	42.4	60.3	35.4
01:10 AM - 01:15 AM	41.8	58.2	35.7
01:15 AM - 01:20 AM	42.7	58.8	36.0
01:20 AM - 01:25 AM	41.7	46.4	37.4
01:25 AM - 01:30 AM	42.8	58.1	36.3
01:30 AM - 01:35 AM	47.5	64.9	37.8
01:35 AM - 01:40 AM	44.7	61.5	37.6
01:40 AM - 01:45 AM	41.3	46.6	36.5
01:45 AM - 01:50 AM	39.8	44.3	35.2
01:50 AM - 01:55 AM	42.0	46.8	38.5
01:55 AM - 02:00 AM	42.6	54.1	36.9
02:00 AM - 02:05 AM	42.5	54.8	36.7
02:05 AM - 02:10 AM	41.2	46.5	36.3
02:10 AM - 02:15 AM	42.2	55.4	36.9
02:15 AM - 02:20 AM	39.7	50.6	36.6
02:20 AM - 02:25 AM	43.4	60.4	38.1
02:25 AM - 02:30 AM	45.5	58.9	38.5
02:30 AM - 02:35 AM	44.8	58.8	38.6
02:35 AM - 02:40 AM	43.7	57.8	39.5
02:40 AM - 02:45 AM	41.3	48.2	36.8
02:45 AM - 02:50 AM	41.6	46.7	36.9
02:50 AM - 02:55 AM	44.0	58.8	37.6
02:55 AM - 03:00 AM	45.2	64.3	37.4
03:00 AM - 03:05 AM	43.0	59.2	37.7
03:05 AM - 03:10 AM	42.1	59.5	36.6
03:10 AM - 03:15 AM	43.6	61.3	36.3
03:15 AM - 03:20 AM	45.3	63.3	37.0
03:20 AM - 03:25 AM	48.1	66.0	38.8
03:25 AM - 03:30 AM	44.5	59.5	37.9
03:30 AM - 03:35 AM	43.5	59.3	37.4
03:35 AM - 03:40 AM	47.7	67.1	37.6
03:40 AM - 03:45 AM	45.7	58.8	37.7
03:45 AM - 03:50 AM	45.4	62.1	38.6
03:50 AM - 03:55 AM	37.9	45.6	36.7
03:55 AM - 04:00 AM	43.8	62.5	36.3
04:00 AM - 04:05 AM	45.1	60.0	36.3

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Approved by

Wilawan Borirak
Manager

Analysis / Test Report

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

Lot ID: 2448812
Date Received :May 16, 2024
Date Reported :May 23, 2024
Report No. : 2997462-1

P/O : RJN(2)-018/66
Project Name : Pluak Daeng
Project Location :

Sample No. 2448812-8
Parameter Noise
Location บ้านพักอาศัย หมู่ 2 ซ.มาบยางพร 15 (N2) (GPS 47P 0733671, 1433988) (Shut down)
Measurement Date May 07 - 08, 2024
Measurement by Saknarin Jaraskay
Sound Level Meter 920832

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
04:05 AM - 04:10 AM	48.2	64.8	35.2
04:10 AM - 04:15 AM	48.9	67.8	40.4
04:15 AM - 04:20 AM	48.0	63.2	36.4
04:20 AM - 04:25 AM	51.5	70.3	34.6
04:25 AM - 04:30 AM	49.4	62.0	35.8
04:30 AM - 04:35 AM	46.8	63.0	34.9
04:35 AM - 04:40 AM	59.2	86.3	35.3
04:40 AM - 04:45 AM	48.5	68.9	34.5
04:45 AM - 04:50 AM	49.7	70.6	35.0
04:50 AM - 04:55 AM	50.2	62.1	39.3
04:55 AM - 05:00 AM	55.9	70.6	41.2
05:00 AM - 05:05 AM	51.3	64.9	43.2
05:05 AM - 05:10 AM	53.4	68.1	41.4
05:10 AM - 05:15 AM	59.4	75.6	44.7
05:15 AM - 05:20 AM	58.2	73.5	42.3
05:20 AM - 05:25 AM	55.6	73.7	42.8
05:25 AM - 05:30 AM	51.5	63.8	42.1
05:30 AM - 05:35 AM	52.8	67.3	40.0
05:35 AM - 05:40 AM	55.7	75.4	39.7
05:40 AM - 05:45 AM	52.3	68.3	38.8
05:45 AM - 05:50 AM	53.4	66.0	38.5
05:50 AM - 05:55 AM	54.7	70.2	40.7
05:55 AM - 06:00 AM	56.1	74.7	40.3
06:00 AM - 07:00 AM	59.3	80.1	45.9
07:00 AM - 08:00 AM	62.4	80.6	52.9
08:00 AM - 09:00 AM	61.2	85.5	55.5
09:00 AM - 10:00 AM	58.1	83.5	51.8
10:00 AM - 11:00 AM	55.4	79.5	41.2
11:00 AM - 12:00 PM	59.7	85.3	41.9
12:00 PM - 01:00 PM	58.2	90.2	40.4
01:00 PM - 02:00 PM	53.3	78.4	40.2
02:00 PM - 03:00 PM	53.7	75.8	40.0

Reference Method :
1. ISO 1996-1
2. ประกาศกรมโรงงานอุตสาหกรรม เรื่อง วิธีการตรวจวัดระดับเสียงการรบกวน ระดับเสียงเฉลี่ย 24 ชั่วโมง และระดับเสียงสูงสุดที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2567

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Approved by

Wilawan Borirak
Manager

Analysis / Test Report

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

Lot ID: 2448812
Date Received :May 16, 2024
Date Reported :May 23, 2024
Report No. : 2997463-1

P/O : RJN(2)-018/66
Project Name : Pluak Daeng
Project Location :

Sample No. 2448812-9
Parameter Noise
Location บ้านพักอาศัย หมู่ 2 ซ.มาบยางพร 15 (N2) (GPS 47P 0733671, 1433988) (Shut down)
Measurement Date May 08 - 09, 2024
Measurement by Saknarin Jaraskay
Sound Level Meter 920832

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:00 PM - 04:00 PM	54.5	75.7	41.5
04:00 PM - 05:00 PM	57.2	81.6	42.7
05:00 PM - 06:00 PM	59.1	83.1	44.6
06:00 PM - 07:00 PM	57.4	80.1	43.7
07:00 PM - 08:00 PM	59.5	82.7	45.2
08:00 PM - 09:00 PM	58.6	83.3	43.0
09:00 PM - 10:00 PM	54.9	79.6	38.7
10:00 PM - 10:05 PM	51.5	69.3	37.0
10:05 PM - 10:10 PM	50.0	64.8	37.1
10:10 PM - 10:15 PM	47.9	71.0	35.9
10:15 PM - 10:20 PM	49.3	62.6	35.9
10:20 PM - 10:25 PM	48.4	61.9	35.3
10:25 PM - 10:30 PM	48.3	65.6	35.7
10:30 PM - 10:35 PM	49.4	70.6	35.6
10:35 PM - 10:40 PM	47.5	62.4	36.4
10:40 PM - 10:45 PM	50.1	64.2	36.1
10:45 PM - 10:50 PM	48.8	66.3	35.9
10:50 PM - 10:55 PM	44.3	63.5	35.7
10:55 PM - 11:00 PM	49.7	67.1	36.5
11:00 PM - 11:05 PM	50.0	66.6	35.9
11:05 PM - 11:10 PM	43.0	66.2	36.6
11:10 PM - 11:15 PM	44.5	61.2	36.4
11:15 PM - 11:20 PM	43.5	62.1	36.0
11:20 PM - 11:25 PM	53.0	75.7	36.5
11:25 PM - 11:30 PM	36.6	48.3	34.6
11:30 PM - 11:35 PM	45.8	68.4	34.6
11:35 PM - 11:40 PM	48.0	62.0	35.0
11:40 PM - 11:45 PM	52.6	75.7	36.4
11:45 PM - 11:50 PM	49.7	69.0	35.7
11:50 PM - 11:55 PM	51.4	70.7	35.6
11:55 PM - 12:00 AM	44.9	62.5	35.1
12:00 AM - 12:05 AM	43.0	57.4	36.2
12:05 AM - 12:10 AM	45.6	64.9	35.0
12:10 AM - 12:15 AM	41.2	58.9	34.1
12:15 AM - 12:20 AM	49.0	65.9	34.3
12:20 AM - 12:25 AM	53.5	74.0	35.3
12:25 AM - 12:30 AM	49.5	65.8	35.1
12:30 AM - 12:35 AM	40.8	57.8	33.6
12:35 AM - 12:40 AM	42.9	63.4	33.5
12:40 AM - 12:45 AM	52.7	74.5	34.9

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Approved by

Wilawan Borirak
Manager

Analysis / Test Report

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

Lot ID: 2448812
Date Received :May 16, 2024
Date Reported :May 23, 2024
Report No. : 2997463-1

P/O : RJN(2)-018/66
Project Name : Pluak Daeng
Project Location :

Sample No. 2448812-9
Parameter Noise
Location บ้านพักอาศัย หมู่ 2 ซ.มาบยางพร 15 (N2) (GPS 47P 0733671, 1433988) (Shut down)
Measurement Date May 08 - 09, 2024
Measurement by Saknarin Jaraskay
Sound Level Meter 920832

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:45 AM - 12:50 AM	46.9	65.2	34.9
12:50 AM - 12:55 AM	50.1	72.3	34.5
12:55 AM - 01:00 AM	49.5	67.6	34.8
01:00 AM - 01:05 AM	40.1	59.6	33.7
01:05 AM - 01:10 AM	39.7	56.2	33.6
01:10 AM - 01:15 AM	37.8	55.4	33.0
01:15 AM - 01:20 AM	43.4	62.3	33.7
01:20 AM - 01:25 AM	43.5	59.9	33.6
01:25 AM - 01:30 AM	54.9	76.6	33.6
01:30 AM - 01:35 AM	54.1	76.3	34.8
01:35 AM - 01:40 AM	41.1	59.4	35.0
01:40 AM - 01:45 AM	35.9	42.8	35.2
01:45 AM - 01:50 AM	38.4	56.1	34.6
01:50 AM - 01:55 AM	43.1	62.3	34.6
01:55 AM - 02:00 AM	40.9	58.0	35.0
02:00 AM - 02:05 AM	47.1	63.4	34.9
02:05 AM - 02:10 AM	35.4	40.0	34.4
02:10 AM - 02:15 AM	35.9	44.4	35.0
02:15 AM - 02:20 AM	54.5	76.3	35.7
02:20 AM - 02:25 AM	35.7	43.4	35.1
02:25 AM - 02:30 AM	35.4	42.0	34.6
02:30 AM - 02:35 AM	35.5	38.7	34.9
02:35 AM - 02:40 AM	40.7	61.4	35.6
02:40 AM - 02:45 AM	51.3	71.8	37.2
02:45 AM - 02:50 AM	45.4	58.9	36.4
02:50 AM - 02:55 AM	45.2	60.5	34.9
02:55 AM - 03:00 AM	44.5	60.1	35.0
03:00 AM - 03:05 AM	42.8	63.2	35.0
03:05 AM - 03:10 AM	40.8	59.7	34.8
03:10 AM - 03:15 AM	35.3	46.3	34.5
03:15 AM - 03:20 AM	44.2	63.1	35.6
03:20 AM - 03:25 AM	44.7	64.8	37.2
03:25 AM - 03:30 AM	47.0	62.3	37.4
03:30 AM - 03:35 AM	45.5	63.4	37.8
03:35 AM - 03:40 AM	43.6	62.4	38.3
03:40 AM - 03:45 AM	46.9	61.6	38.3
03:45 AM - 03:50 AM	41.5	58.2	37.4
03:50 AM - 03:55 AM	41.9	55.7	38.6
03:55 AM - 04:00 AM	46.3	60.9	39.7
04:00 AM - 04:05 AM	44.1	58.6	39.5

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Wilawan Borirak
Manager

Analysis / Test Report

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

Lot ID: 2448812
Date Received :May 16, 2024
Date Reported :May 23, 2024
Report No. : 2997463-1

P/O : RJN(2)-018/66
Project Name : Pluak Daeng
Project Location :

Sample No. 2448812-9
Parameter Noise
Location บ้านพักอาศัย หมู่ 2 ซ.มาบยางพร 15 (N2) (GPS 47P 0733671, 1433988) (Shut down)
Measurement Date May 08 - 09, 2024
Measurement by Saknarin Jaraskay
Sound Level Meter 920832

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
04:05 AM - 04:10 AM	43.6	55.1	40.5
04:10 AM - 04:15 AM	50.7	64.8	42.1
04:15 AM - 04:20 AM	64.1	82.8	40.5
04:20 AM - 04:25 AM	48.4	64.3	38.7
04:25 AM - 04:30 AM	44.4	61.7	37.6
04:30 AM - 04:35 AM	45.6	61.5	36.7
04:35 AM - 04:40 AM	43.6	62.2	35.3
04:40 AM - 04:45 AM	50.1	66.5	35.3
04:45 AM - 04:50 AM	48.3	61.2	35.6
04:50 AM - 04:55 AM	49.0	64.5	35.4
04:55 AM - 05:00 AM	51.8	66.5	35.7
05:00 AM - 05:05 AM	48.7	62.7	35.8
05:05 AM - 05:10 AM	45.4	59.3	36.3
05:10 AM - 05:15 AM	51.3	62.2	36.8
05:15 AM - 05:20 AM	54.7	77.2	38.4
05:20 AM - 05:25 AM	60.1	78.3	39.3
05:25 AM - 05:30 AM	54.5	73.3	37.9
05:30 AM - 05:35 AM	53.8	68.5	39.1
05:35 AM - 05:40 AM	56.1	75.5	40.0
05:40 AM - 05:45 AM	54.9	74.2	40.0
05:45 AM - 05:50 AM	56.2	74.5	39.9
05:50 AM - 05:55 AM	53.3	67.6	38.5
05:55 AM - 06:00 AM	53.5	65.7	39.1
06:00 AM - 07:00 AM	58.3	78.1	44.8
07:00 AM - 08:00 AM	62.0	84.3	48.3
08:00 AM - 09:00 AM	58.8	84.3	41.7
09:00 AM - 10:00 AM	56.0	80.2	40.8
10:00 AM - 11:00 AM	56.3	80.6	42.2
11:00 AM - 12:00 PM	57.5	82.2	43.2
12:00 PM - 01:00 PM	56.5	81.0	42.3
01:00 PM - 02:00 PM	55.9	77.3	40.6
02:00 PM - 03:00 PM	57.1	80.0	43.7

Reference Method :
1. ISO 1996-1
2. ประกาศกรมโรงงานอุตสาหกรรม เรื่อง วิธีการตรวจวัดระดับเสียงการรบกวน ระดับเสียงเฉลี่ย 24 ชั่วโมง และระดับเสียงสูงสุดที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2567

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Approved by

Wilawan Borirak
Manager

Analysis / Test Report

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

Lot ID: 2448812
Date Received :May 16, 2024
Date Reported :May 23, 2024
Report No. : 2997464-1

P/O : RJN(2)-018/66
Project Name : Pluak Daeng
Project Location :

Sample No. 2448812-10
Parameter Noise
Location บ้านพักอาศัย หมู่ 2 ซ.มาบยางพร 15 (N2) (GPS 47P 0733671, 1433988) (Shut down)
Measurement Date May 09 - 10, 2024
Measurement by Saknarin Jaraskay
Sound Level Meter 920832

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:00 PM - 04:00 PM	62.4	83.9	54.1
04:00 PM - 05:00 PM	59.9	85.0	51.9
05:00 PM - 06:00 PM	59.6	81.2	45.8
06:00 PM - 07:00 PM	58.9	84.3	42.8
07:00 PM - 08:00 PM	60.5	86.6	47.2
08:00 PM - 09:00 PM	58.6	83.3	42.6
09:00 PM - 10:00 PM	52.0	74.6	36.7
10:00 PM - 10:05 PM	52.8	69.6	37.0
10:05 PM - 10:10 PM	50.6	68.5	36.2
10:10 PM - 10:15 PM	47.2	65.1	36.1
10:15 PM - 10:20 PM	47.1	66.1	35.7
10:20 PM - 10:25 PM	45.0	61.9	35.8
10:25 PM - 10:30 PM	47.2	66.7	36.2
10:30 PM - 10:35 PM	54.7	71.4	36.3
10:35 PM - 10:40 PM	50.5	68.3	36.6
10:40 PM - 10:45 PM	47.5	64.3	36.5
10:45 PM - 10:50 PM	53.2	72.1	36.3
10:50 PM - 10:55 PM	39.6	55.6	35.2
10:55 PM - 11:00 PM	49.8	66.5	35.3
11:00 PM - 11:05 PM	47.5	65.5	35.0
11:05 PM - 11:10 PM	45.6	62.5	35.4
11:10 PM - 11:15 PM	52.5	72.6	35.3
11:15 PM - 11:20 PM	40.6	61.2	34.7
11:20 PM - 11:25 PM	52.3	73.2	36.1
11:25 PM - 11:30 PM	47.0	60.5	36.0
11:30 PM - 11:35 PM	43.6	65.4	35.2
11:35 PM - 11:40 PM	43.7	59.2	35.3
11:40 PM - 11:45 PM	46.4	63.9	34.6
11:45 PM - 11:50 PM	45.4	61.2	34.7
11:50 PM - 11:55 PM	49.1	66.3	34.9
11:55 PM - 12:00 AM	41.5	61.0	33.9
12:00 AM - 12:05 AM	55.9	70.3	34.4
12:05 AM - 12:10 AM	56.4	71.7	34.4
12:10 AM - 12:15 AM	48.9	68.0	33.9
12:15 AM - 12:20 AM	45.7	72.4	33.6
12:20 AM - 12:25 AM	53.2	71.5	34.5
12:25 AM - 12:30 AM	35.4	53.3	33.8
12:30 AM - 12:35 AM	48.6	65.3	33.4
12:35 AM - 12:40 AM	45.5	62.5	33.0
12:40 AM - 12:45 AM	46.2	62.6	34.2

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Wilawan Borirak
Manager

Analysis / Test Report

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

Lot ID: 2448812
Date Received :May 16, 2024
Date Reported :May 23, 2024
Report No. : 2997464-1

P/O : RJN(2)-018/66
Project Name : Pluak Daeng
Project Location :

Sample No. 2448812-10
Parameter Noise
Location บ้านพักอาศัย หมู่ 2 ซ.มาบยางพร 15 (N2) (GPS 47P 0733671, 1433988) (Shut down)
Measurement Date May 09 - 10, 2024
Measurement by Saknarin Jaraskay
Sound Level Meter 920832

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:45 AM - 12:50 AM	41.8	60.8	33.3
12:50 AM - 12:55 AM	37.4	52.2	34.3
12:55 AM - 01:00 AM	61.1	87.5	34.8
01:00 AM - 01:05 AM	52.8	74.3	34.7
01:05 AM - 01:10 AM	39.1	56.4	34.3
01:10 AM - 01:15 AM	35.9	43.0	33.8
01:15 AM - 01:20 AM	37.1	54.0	34.4
01:20 AM - 01:25 AM	41.7	61.5	34.9
01:25 AM - 01:30 AM	44.1	61.5	34.6
01:30 AM - 01:35 AM	43.4	62.6	34.6
01:35 AM - 01:40 AM	46.7	67.5	34.5
01:40 AM - 01:45 AM	36.2	39.2	35.3
01:45 AM - 01:50 AM	40.5	61.2	35.7
01:50 AM - 01:55 AM	48.4	65.6	35.9
01:55 AM - 02:00 AM	48.8	65.5	35.2
02:00 AM - 02:05 AM	42.3	64.4	34.5
02:05 AM - 02:10 AM	36.5	44.3	33.8
02:10 AM - 02:15 AM	39.7	59.6	33.2
02:15 AM - 02:20 AM	33.9	38.8	32.7
02:20 AM - 02:25 AM	40.4	55.9	33.6
02:25 AM - 02:30 AM	44.8	58.8	35.1
02:30 AM - 02:35 AM	46.0	60.7	35.8
02:35 AM - 02:40 AM	38.0	59.8	34.3
02:40 AM - 02:45 AM	55.2	76.5	35.4
02:45 AM - 02:50 AM	37.5	40.4	36.4
02:50 AM - 02:55 AM	42.7	57.8	36.8
02:55 AM - 03:00 AM	38.1	46.7	36.7
03:00 AM - 03:05 AM	38.8	55.6	36.4
03:05 AM - 03:10 AM	47.8	63.9	37.2
03:10 AM - 03:15 AM	45.3	58.5	36.1
03:15 AM - 03:20 AM	39.7	65.3	35.8
03:20 AM - 03:25 AM	48.0	68.6	35.9
03:25 AM - 03:30 AM	47.1	65.8	35.5
03:30 AM - 03:35 AM	43.4	62.7	35.7
03:35 AM - 03:40 AM	46.9	65.6	35.9
03:40 AM - 03:45 AM	41.4	57.4	35.8
03:45 AM - 03:50 AM	45.8	63.1	35.6
03:50 AM - 03:55 AM	42.6	58.6	36.1
03:55 AM - 04:00 AM	47.0	62.5	36.0
04:00 AM - 04:05 AM	45.4	59.9	34.9

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Wilawan Borirak
Manager

Analysis / Test Report

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

Lot ID: 2448812
Date Received :May 16, 2024
Date Reported :May 23, 2024
Report No. : 2997464-1

P/O : RJN(2)-018/66
Project Name : Pluak Daeng
Project Location :

Sample No. 2448812-10
Parameter Noise
Location บ้านพักอาศัย หมู่ 2 ซ.มาบยางพร 15 (N2) (GPS 47P 0733671, 1433988) (Shut down)
Measurement Date May 09 - 10, 2024
Measurement by Saknarin Jaraskay
Sound Level Meter 920832

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
04:05 AM - 04:10 AM	42.6	54.6	35.6
04:10 AM - 04:15 AM	46.1	64.0	35.9
04:15 AM - 04:20 AM	45.4	63.3	36.2
04:20 AM - 04:25 AM	48.8	66.0	36.1
04:25 AM - 04:30 AM	52.7	69.2	36.6
04:30 AM - 04:35 AM	51.0	69.8	42.1
04:35 AM - 04:40 AM	49.2	72.5	41.8
04:40 AM - 04:45 AM	47.6	64.5	37.3
04:45 AM - 04:50 AM	48.0	64.2	36.1
04:50 AM - 04:55 AM	50.3	64.5	35.9
04:55 AM - 05:00 AM	49.7	64.8	36.9
05:00 AM - 05:05 AM	47.8	64.4	37.5
05:05 AM - 05:10 AM	49.5	62.2	38.3
05:10 AM - 05:15 AM	51.7	65.1	38.6
05:15 AM - 05:20 AM	50.7	65.4	38.9
05:20 AM - 05:25 AM	52.4	67.3	38.7
05:25 AM - 05:30 AM	56.1	75.6	38.6
05:30 AM - 05:35 AM	55.3	68.9	41.2
05:35 AM - 05:40 AM	54.8	67.6	40.0
05:40 AM - 05:45 AM	58.2	79.3	40.9
05:45 AM - 05:50 AM	56.6	74.5	41.4
05:50 AM - 05:55 AM	53.3	65.2	40.8
05:55 AM - 06:00 AM	54.6	68.9	40.0
06:00 AM - 07:00 AM	58.7	77.3	45.4
07:00 AM - 08:00 AM	61.3	81.2	49.6
08:00 AM - 09:00 AM	58.5	85.2	42.2
09:00 AM - 10:00 AM	58.0	86.7	41.0
10:00 AM - 11:00 AM	55.4	79.5	41.4
11:00 AM - 12:00 PM	56.8	81.3	43.3
12:00 PM - 01:00 PM	58.4	84.3	42.9
01:00 PM - 02:00 PM	53.1	71.6	42.6
02:00 PM - 03:00 PM	54.7	79.3	43.3

Reference Method :
1. ISO 1996-1
2. ประกาศกรมโรงงานอุตสาหกรรม เรื่อง วิธีการตรวจวัดระดับเสียงการรบกวน ระดับเสียงเฉลี่ย 24 ชั่วโมง และระดับเสียงสูงสุดที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2567

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Approved by

Wilawan Borirak
Manager

Analysis / Test Report

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

Lot ID: 2448812
Date Received :May 16, 2024
Date Reported :May 23, 2024
Report No. : 2997465-1

P/O : RJN(2)-018/66
Project Name : Pluak Daeng
Project Location :

Sample No. 2448812-11
Parameter Noise
Location บ้านพักอาศัย หมู่ 2 ซ.มาบยางพร 15 (N2) (GPS 47P 0733671, 1433988) (Shut down)
Measurement Date May 10 - 11, 2024
Measurement by Saknarin Jaraskay
Sound Level Meter 920832

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:00 PM - 04:00 PM	57.3	87.6	42.7
04:00 PM - 05:00 PM	58.1	85.6	44.8
05:00 PM - 06:00 PM	60.0	85.6	46.6
06:00 PM - 07:00 PM	58.0	81.0	44.0
07:00 PM - 08:00 PM	58.8	80.2	45.7
08:00 PM - 09:00 PM	58.1	85.1	42.4
09:00 PM - 10:00 PM	54.4	77.9	38.3
10:00 PM - 10:05 PM	50.9	70.2	38.0
10:05 PM - 10:10 PM	53.1	69.9	37.3
10:10 PM - 10:15 PM	50.6	67.4	36.9
10:15 PM - 10:20 PM	57.4	78.7	38.9
10:20 PM - 10:25 PM	48.4	64.3	37.5
10:25 PM - 10:30 PM	51.9	67.2	36.7
10:30 PM - 10:35 PM	49.6	64.7	36.7
10:35 PM - 10:40 PM	55.2	76.6	37.8
10:40 PM - 10:45 PM	56.0	74.2	38.0
10:45 PM - 10:50 PM	55.4	73.1	37.6
10:50 PM - 10:55 PM	49.0	66.4	37.2
10:55 PM - 11:00 PM	61.7	83.7	38.3
11:00 PM - 11:05 PM	51.5	67.0	38.3
11:05 PM - 11:10 PM	55.9	71.8	38.3
11:10 PM - 11:15 PM	50.9	72.0	37.8
11:15 PM - 11:20 PM	49.4	66.1	38.3
11:20 PM - 11:25 PM	46.6	67.8	37.7
11:25 PM - 11:30 PM	47.0	63.9	37.6
11:30 PM - 11:35 PM	55.6	72.3	37.8
11:35 PM - 11:40 PM	47.5	64.9	37.3
11:40 PM - 11:45 PM	46.7	62.8	36.8
11:45 PM - 11:50 PM	51.1	71.5	37.4
11:50 PM - 11:55 PM	49.7	67.1	36.6
11:55 PM - 12:00 AM	51.8	70.8	36.6
12:00 AM - 12:05 AM	45.9	60.0	37.2
12:05 AM - 12:10 AM	54.3	71.9	37.3
12:10 AM - 12:15 AM	51.2	71.5	37.7
12:15 AM - 12:20 AM	50.3	69.0	38.1
12:20 AM - 12:25 AM	53.8	74.7	37.4
12:25 AM - 12:30 AM	55.7	76.6	38.8
12:30 AM - 12:35 AM	50.5	67.0	37.9
12:35 AM - 12:40 AM	46.6	67.0	38.1
12:40 AM - 12:45 AM	47.7	66.5	38.4

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Wilawan Borirak
Manager

Analysis / Test Report

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

Lot ID: 2448812
Date Received :May 16, 2024
Date Reported :May 23, 2024
Report No. : 2997465-1

P/O : RJN(2)-018/66
Project Name : Pluak Daeng
Project Location :

Sample No. 2448812-11
Parameter Noise
Location บ้านพักอาศัย หมู่ 2 ซ.มาบยางพร 15 (N2) (GPS 47P 0733671, 1433988) (Shut down)
Measurement Date May 10 - 11, 2024
Measurement by Saknarin Jaraskay
Sound Level Meter 920832

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:45 AM - 12:50 AM	46.8	66.8	38.0
12:50 AM - 12:55 AM	43.1	59.7	38.0
12:55 AM - 01:00 AM	46.5	65.8	37.3
01:00 AM - 01:05 AM	54.4	75.4	36.7
01:05 AM - 01:10 AM	47.4	64.8	36.2
01:10 AM - 01:15 AM	45.9	62.2	37.9
01:15 AM - 01:20 AM	41.9	57.7	37.0
01:20 AM - 01:25 AM	49.1	69.1	37.2
01:25 AM - 01:30 AM	38.7	44.1	36.9
01:30 AM - 01:35 AM	46.3	61.6	38.3
01:35 AM - 01:40 AM	43.9	57.5	38.4
01:40 AM - 01:45 AM	51.8	73.2	37.0
01:45 AM - 01:50 AM	40.1	57.5	36.1
01:50 AM - 01:55 AM	36.3	45.1	35.3
01:55 AM - 02:00 AM	48.2	68.8	34.8
02:00 AM - 02:05 AM	44.9	63.4	33.6
02:05 AM - 02:10 AM	34.2	38.4	33.4
02:10 AM - 02:15 AM	41.8	60.0	33.9
02:15 AM - 02:20 AM	39.8	58.7	33.6
02:20 AM - 02:25 AM	35.2	56.0	33.5
02:25 AM - 02:30 AM	43.4	63.3	34.5
02:30 AM - 02:35 AM	38.4	57.2	33.9
02:35 AM - 02:40 AM	35.7	49.2	34.1
02:40 AM - 02:45 AM	34.7	38.5	33.8
02:45 AM - 02:50 AM	43.4	65.5	34.2
02:50 AM - 02:55 AM	42.0	63.4	34.1
02:55 AM - 03:00 AM	36.7	41.5	34.9
03:00 AM - 03:05 AM	49.0	69.7	35.4
03:05 AM - 03:10 AM	55.4	67.4	36.3
03:10 AM - 03:15 AM	52.4	69.2	36.2
03:15 AM - 03:20 AM	52.7	69.3	35.3
03:20 AM - 03:25 AM	46.5	67.4	34.5
03:25 AM - 03:30 AM	47.7	66.6	33.7
03:30 AM - 03:35 AM	48.8	63.0	32.6
03:35 AM - 03:40 AM	41.5	60.5	32.9
03:40 AM - 03:45 AM	34.5	40.4	33.1
03:45 AM - 03:50 AM	44.0	59.9	33.4
03:50 AM - 03:55 AM	46.5	61.6	33.0
03:55 AM - 04:00 AM	48.8	65.7	32.5
04:00 AM - 04:05 AM	43.1	60.0	32.3

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Wilawan Borirak
Manager

Analysis / Test Report

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

Lot ID: 2448812
Date Received :May 16, 2024
Date Reported :May 23, 2024
Report No. : 2997465-1

P/O : RJN(2)-018/66
Project Name : Pluak Daeng
Project Location :

Sample No. 2448812-11
Parameter Noise
Location บ้านพักอาศัย หมู่ 2 ซ.มาบยางพร 15 (N2) (GPS 47P 0733671, 1433988) (Shut down)
Measurement Date May 10 - 11, 2024
Measurement by Saknarin Jaraskay
Sound Level Meter 920832

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
04:05 AM - 04:10 AM	46.7	62.3	32.8
04:10 AM - 04:15 AM	45.8	61.0	32.9
04:15 AM - 04:20 AM	48.9	66.1	33.0
04:20 AM - 04:25 AM	49.5	67.5	33.1
04:25 AM - 04:30 AM	47.3	62.2	34.1
04:30 AM - 04:35 AM	45.5	63.8	34.8
04:35 AM - 04:40 AM	51.2	67.1	36.4
04:40 AM - 04:45 AM	44.9	60.8	35.6
04:45 AM - 04:50 AM	46.6	62.2	36.7
04:50 AM - 04:55 AM	51.2	67.9	37.9
04:55 AM - 05:00 AM	52.9	64.0	38.9
05:00 AM - 05:05 AM	51.3	63.9	37.2
05:05 AM - 05:10 AM	52.4	72.2	36.7
05:10 AM - 05:15 AM	49.4	68.4	36.3
05:15 AM - 05:20 AM	50.1	63.4	37.1
05:20 AM - 05:25 AM	52.9	68.7	37.8
05:25 AM - 05:30 AM	49.6	62.7	37.4
05:30 AM - 05:35 AM	52.8	64.8	38.7
05:35 AM - 05:40 AM	51.9	66.7	37.2
05:40 AM - 05:45 AM	55.4	69.9	39.2
05:45 AM - 05:50 AM	52.4	65.9	39.0
05:50 AM - 05:55 AM	53.2	65.8	38.2
05:55 AM - 06:00 AM	58.6	78.8	40.5
06:00 AM - 07:00 AM	57.0	80.1	42.2
07:00 AM - 08:00 AM	61.0	83.6	48.8
08:00 AM - 09:00 AM	57.7	80.4	41.9
09:00 AM - 10:00 AM	55.5	78.9	39.5
10:00 AM - 11:00 AM	54.4	75.9	38.2
11:00 AM - 12:00 PM	56.6	81.9	40.3
12:00 PM - 01:00 PM	56.3	79.8	42.8
01:00 PM - 02:00 PM	56.2	84.2	42.5
02:00 PM - 03:00 PM	54.0	76.1	39.2

Reference Method :
1. ISO 1996-1
2. ประกาศกรมโรงงานอุตสาหกรรม เรื่อง วิธีการตรวจวัดระดับเสียงการรบกวน ระดับเสียงเฉลี่ย 24 ชั่วโมง และระดับเสียงสูงสุดที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2567

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Wilawan Borirak
Manager

Analysis / Test Report

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

Lot ID: 2448812
Date Received :May 16, 2024
Date Reported :May 23, 2024
Report No. : 2997466-1

P/O : RJN(2)-018/66
Project Name : Pluak Daeng
Project Location :

Sample No. 2448812-12
Parameter Noise
Location บ้านพักอาศัย หมู่ 2 ซ.มาบยางพร 15 (N2) (GPS 47P 0733671, 1433988) (Shut down)
Measurement Date May 11 - 12, 2024
Measurement by Saknarin Jaraskay
Sound Level Meter 920832

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:00 PM - 04:00 PM	55.6	83.7	38.6
04:00 PM - 05:00 PM	59.0	86.3	42.5
05:00 PM - 06:00 PM	59.6	81.3	45.4
06:00 PM - 07:00 PM	57.7	79.9	44.0
07:00 PM - 08:00 PM	57.7	82.2	42.0
08:00 PM - 09:00 PM	55.1	76.6	40.8
09:00 PM - 10:00 PM	53.6	80.1	37.8
10:00 PM - 10:05 PM	54.0	73.9	38.0
10:05 PM - 10:10 PM	50.0	66.5	38.7
10:10 PM - 10:15 PM	46.2	62.2	38.8
10:15 PM - 10:20 PM	45.2	60.3	38.6
10:20 PM - 10:25 PM	48.5	66.2	38.9
10:25 PM - 10:30 PM	63.1	84.3	41.2
10:30 PM - 10:35 PM	48.2	63.8	38.2
10:35 PM - 10:40 PM	42.5	56.2	38.1
10:40 PM - 10:45 PM	41.3	57.7	38.0
10:45 PM - 10:50 PM	49.3	66.4	38.3
10:50 PM - 10:55 PM	49.6	65.1	38.5
10:55 PM - 11:00 PM	50.2	64.7	38.3
11:00 PM - 11:05 PM	51.7	70.7	38.2
11:05 PM - 11:10 PM	42.5	58.3	37.7
11:10 PM - 11:15 PM	45.5	61.8	38.3
11:15 PM - 11:20 PM	45.3	59.3	37.4
11:20 PM - 11:25 PM	48.0	69.6	37.4
11:25 PM - 11:30 PM	44.3	61.7	37.7
11:30 PM - 11:35 PM	54.7	74.9	37.2
11:35 PM - 11:40 PM	55.7	73.0	36.7
11:40 PM - 11:45 PM	51.0	70.6	36.7
11:45 PM - 11:50 PM	47.8	65.2	36.8
11:50 PM - 11:55 PM	55.3	78.0	36.6
11:55 PM - 12:00 AM	47.4	63.6	36.3
12:00 AM - 12:05 AM	54.4	75.3	36.3
12:05 AM - 12:10 AM	55.9	75.5	36.8
12:10 AM - 12:15 AM	53.9	73.0	37.3
12:15 AM - 12:20 AM	50.3	66.1	36.8
12:20 AM - 12:25 AM	49.1	66.2	36.9
12:25 AM - 12:30 AM	49.8	70.1	35.9
12:30 AM - 12:35 AM	44.8	63.1	36.4
12:35 AM - 12:40 AM	45.0	63.2	36.8
12:40 AM - 12:45 AM	42.2	60.6	37.0

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Wilawan Borirak
Manager

Analysis / Test Report

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

Lot ID: 2448812
Date Received :May 16, 2024
Date Reported :May 23, 2024
Report No. : 2997466-1

P/O : RJN(2)-018/66
Project Name : Pluak Daeng
Project Location :

Sample No. 2448812-12
Parameter Noise
Location บ้านพักอาศัย หมู่ 2 ซ.มาบยางพร 15 (N2) (GPS 47P 0733671, 1433988) (Shut down)
Measurement Date May 11 - 12, 2024
Measurement by Saknarin Jaraskay
Sound Level Meter 920832

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:45 AM - 12:50 AM	42.5	58.4	36.6
12:50 AM - 12:55 AM	40.9	59.3	36.0
12:55 AM - 01:00 AM	47.7	65.7	35.9
01:00 AM - 01:05 AM	56.9	78.5	35.8
01:05 AM - 01:10 AM	38.4	61.0	34.9
01:10 AM - 01:15 AM	49.4	67.5	35.0
01:15 AM - 01:20 AM	37.9	48.3	35.5
01:20 AM - 01:25 AM	36.6	46.2	35.7
01:25 AM - 01:30 AM	48.2	69.5	36.5
01:30 AM - 01:35 AM	59.7	84.5	35.6
01:35 AM - 01:40 AM	43.6	62.4	35.3
01:40 AM - 01:45 AM	36.1	40.8	35.1
01:45 AM - 01:50 AM	35.7	42.7	34.7
01:50 AM - 01:55 AM	38.4	55.0	35.0
01:55 AM - 02:00 AM	40.0	60.0	35.0
02:00 AM - 02:05 AM	47.5	67.2	35.3
02:05 AM - 02:10 AM	41.7	58.0	34.9
02:10 AM - 02:15 AM	46.1	64.7	34.8
02:15 AM - 02:20 AM	45.3	59.1	35.1
02:20 AM - 02:25 AM	47.0	63.0	35.7
02:25 AM - 02:30 AM	40.5	56.3	35.4
02:30 AM - 02:35 AM	39.5	56.4	35.1
02:35 AM - 02:40 AM	38.5	55.3	35.1
02:40 AM - 02:45 AM	43.2	62.0	34.4
02:45 AM - 02:50 AM	46.3	61.7	35.1
02:50 AM - 02:55 AM	35.9	39.4	35.1
02:55 AM - 03:00 AM	46.8	66.4	34.7
03:00 AM - 03:05 AM	42.4	58.6	34.6
03:05 AM - 03:10 AM	42.6	57.6	34.7
03:10 AM - 03:15 AM	41.2	60.8	34.6
03:15 AM - 03:20 AM	41.6	60.1	35.3
03:20 AM - 03:25 AM	40.9	58.2	34.4
03:25 AM - 03:30 AM	37.6	46.9	34.8
03:30 AM - 03:35 AM	47.1	65.0	35.7
03:35 AM - 03:40 AM	50.1	64.9	35.9
03:40 AM - 03:45 AM	46.6	61.2	36.3
03:45 AM - 03:50 AM	41.4	60.9	35.5
03:50 AM - 03:55 AM	46.1	62.2	35.4
03:55 AM - 04:00 AM	42.0	60.0	35.2
04:00 AM - 04:05 AM	47.5	61.5	35.0

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Wilawan Borirak
Manager

Analysis / Test Report

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

Lot ID: 2448812
Date Received :May 16, 2024
Date Reported :May 23, 2024
Report No. : 2997466-1

P/O : RJN(2)-018/66
Project Name : Pluak Daeng
Project Location :

Sample No. 2448812-12
Parameter Noise
Location บ้านพักอาศัย หมู่ 2 ซ.มาบยางพร 15 (N2) (GPS 47P 0733671, 1433988) (Shut down)
Measurement Date May 11 - 12, 2024
Measurement by Saknarin Jaraskay
Sound Level Meter 920832

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
04:05 AM - 04:10 AM	46.8	64.3	34.7
04:10 AM - 04:15 AM	46.6	63.9	35.0
04:15 AM - 04:20 AM	49.6	65.3	35.1
04:20 AM - 04:25 AM	49.5	63.2	35.6
04:25 AM - 04:30 AM	44.4	60.3	35.3
04:30 AM - 04:35 AM	40.3	59.0	34.8
04:35 AM - 04:40 AM	48.3	61.8	34.9
04:40 AM - 04:45 AM	53.4	71.6	35.0
04:45 AM - 04:50 AM	50.6	67.1	34.8
04:50 AM - 04:55 AM	49.8	66.2	34.2
04:55 AM - 05:00 AM	57.3	72.9	36.2
05:00 AM - 05:05 AM	59.8	76.0	43.0
05:05 AM - 05:10 AM	53.0	68.8	35.6
05:10 AM - 05:15 AM	49.5	63.2	36.3
05:15 AM - 05:20 AM	51.4	65.3	36.7
05:20 AM - 05:25 AM	51.2	64.7	36.5
05:25 AM - 05:30 AM	52.9	67.5	38.1
05:30 AM - 05:35 AM	50.6	63.2	38.2
05:35 AM - 05:40 AM	50.8	63.0	38.3
05:40 AM - 05:45 AM	50.2	64.0	37.7
05:45 AM - 05:50 AM	50.1	63.0	38.2
05:50 AM - 05:55 AM	52.8	66.6	38.5
05:55 AM - 06:00 AM	53.7	66.9	37.4
06:00 AM - 07:00 AM	56.3	78.6	40.5
07:00 AM - 08:00 AM	58.8	80.3	42.7
08:00 AM - 09:00 AM	58.1	85.6	37.7
09:00 AM - 10:00 AM	53.5	76.7	38.5
10:00 AM - 11:00 AM	53.6	74.6	37.3
11:00 AM - 12:00 PM	55.7	77.9	37.8
12:00 PM - 01:00 PM	55.3	78.6	36.7
01:00 PM - 02:00 PM	53.5	73.9	41.1
02:00 PM - 03:00 PM	53.4	77.0	40.0

Reference Method :
1. ISO 1996-1
2. ประกาศกรมโรงงานอุตสาหกรรม เรื่อง วิธีการตรวจวัดระดับเสียงการรบกวน ระดับเสียงเฉลี่ย 24 ชั่วโมง และระดับเสียงสูงสุดที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2567

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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)-018/66
Project Name : Pluak Daeng
Project Location :

Lot ID: 2448812
Date Received :May 16, 2024
Date Reported :May 23, 2024
Report No. : 2997467-1

Sample No. 2448812-13
Parameter Noise
Location บ้านพักอาศัย หมู่ 2 ซ.มาบยางพร 15 (N2) (GPS 47P 0733671, 1433988) (Shut down)
Measurement Date May 12 - 13, 2024
Measurement by Saknarin Jaraskay
Sound Level Meter 920832

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:00 PM - 04:00 PM	53.1	75.0	39.0
04:00 PM - 05:00 PM	55.8	85.1	41.3
05:00 PM - 06:00 PM	58.4	84.3	44.3
06:00 PM - 07:00 PM	56.9	79.1	42.0
07:00 PM - 08:00 PM	55.4	76.1	39.2
08:00 PM - 09:00 PM	54.4	77.2	40.0
09:00 PM - 10:00 PM	51.2	76.7	37.0
10:00 PM - 10:05 PM	56.0	73.6	36.2
10:05 PM - 10:10 PM	51.2	70.2	36.9
10:10 PM - 10:15 PM	49.2	67.2	36.7
10:15 PM - 10:20 PM	52.9	74.4	36.4
10:20 PM - 10:25 PM	50.2	72.5	35.8
10:25 PM - 10:30 PM	52.0	67.2	36.6
10:30 PM - 10:35 PM	46.3	60.6	36.8
10:35 PM - 10:40 PM	48.9	65.0	36.1
10:40 PM - 10:45 PM	44.0	59.7	36.2
10:45 PM - 10:50 PM	57.2	79.0	36.6
10:50 PM - 10:55 PM	43.0	61.0	36.0
10:55 PM - 11:00 PM	55.7	75.4	36.2
11:00 PM - 11:05 PM	53.4	76.5	36.1
11:05 PM - 11:10 PM	52.9	73.0	36.2
11:10 PM - 11:15 PM	43.3	58.8	35.6
11:15 PM - 11:20 PM	50.9	70.5	36.2
11:20 PM - 11:25 PM	50.3	68.0	35.5
11:25 PM - 11:30 PM	44.7	60.5	35.9
11:30 PM - 11:35 PM	49.5	68.7	36.2
11:35 PM - 11:40 PM	43.6	63.6	36.7
11:40 PM - 11:45 PM	47.6	66.8	36.9
11:45 PM - 11:50 PM	47.0	60.4	37.2
11:50 PM - 11:55 PM	39.6	55.2	36.6
11:55 PM - 12:00 AM	56.3	72.1	37.2
12:00 AM - 12:05 AM	47.7	61.5	36.8
12:05 AM - 12:10 AM	46.2	63.2	37.5
12:10 AM - 12:15 AM	49.1	66.6	37.4
12:15 AM - 12:20 AM	46.2	62.6	38.4
12:20 AM - 12:25 AM	49.2	65.3	38.0
12:25 AM - 12:30 AM	40.4	61.5	37.0
12:30 AM - 12:35 AM	52.6	73.8	37.2
12:35 AM - 12:40 AM	49.7	72.0	37.3
12:40 AM - 12:45 AM	42.8	58.5	36.5

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Approved by

Wilawan Borirak
Manager

Analysis / Test Report

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54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140

Lot ID: 2448812
Date Received :May 16, 2024
Date Reported :May 23, 2024
Report No. : 2997467-1

P/O : RJN(2)-018/66
Project Name : Pluak Daeng
Project Location :

Sample No. 2448812-13
Parameter Noise
Location บ้านพักอาศัย หมู่ 2 ซ.มาบยางพร 15 (N2) (GPS 47P 0733671, 1433988) (Shut down)
Measurement Date May 12 - 13, 2024
Measurement by Saknarin Jaraskay
Sound Level Meter 920832

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:45 AM - 12:50 AM	42.7	60.0	36.7
12:50 AM - 12:55 AM	46.1	63.2	37.2
12:55 AM - 01:00 AM	50.5	68.8	37.8
01:00 AM - 01:05 AM	50.0	67.7	38.2
01:05 AM - 01:10 AM	48.6	69.4	37.4
01:10 AM - 01:15 AM	45.8	62.4	38.4
01:15 AM - 01:20 AM	48.3	61.7	39.7
01:20 AM - 01:25 AM	47.7	76.1	38.6
01:25 AM - 01:30 AM	48.6	62.8	37.8
01:30 AM - 01:35 AM	45.6	61.2	37.7
01:35 AM - 01:40 AM	44.0	69.0	37.6
01:40 AM - 01:45 AM	44.5	61.7	37.8
01:45 AM - 01:50 AM	38.4	44.4	36.8
01:50 AM - 01:55 AM	44.0	60.9	35.8
01:55 AM - 02:00 AM	48.3	68.0	36.6
02:00 AM - 02:05 AM	39.9	55.1	36.5
02:05 AM - 02:10 AM	46.9	64.0	35.9
02:10 AM - 02:15 AM	45.4	68.9	34.8
02:15 AM - 02:20 AM	53.1	74.2	35.4
02:20 AM - 02:25 AM	49.9	74.1	37.5
02:25 AM - 02:30 AM	65.8	82.2	54.4
02:30 AM - 02:35 AM	66.3	88.8	43.2
02:35 AM - 02:40 AM	65.0	73.7	58.6
02:40 AM - 02:45 AM	63.4	88.9	55.1
02:45 AM - 02:50 AM	56.9	74.8	44.2
02:50 AM - 02:55 AM	54.9	71.5	43.4
02:55 AM - 03:00 AM	64.5	79.0	60.9
03:00 AM - 03:05 AM	61.1	79.1	54.7
03:05 AM - 03:10 AM	61.6	77.8	54.0
03:10 AM - 03:15 AM	60.7	77.8	55.6
03:15 AM - 03:20 AM	61.4	81.0	53.3
03:20 AM - 03:25 AM	57.6	72.2	49.7
03:25 AM - 03:30 AM	61.0	80.0	50.1
03:30 AM - 03:35 AM	56.2	77.4	49.6
03:35 AM - 03:40 AM	62.8	81.3	48.3
03:40 AM - 03:45 AM	60.1	78.8	47.2
03:45 AM - 03:50 AM	51.1	67.6	46.7
03:50 AM - 03:55 AM	58.9	75.7	46.2
03:55 AM - 04:00 AM	57.8	76.4	45.5
04:00 AM - 04:05 AM	62.6	82.8	47.5

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54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140

Lot ID: 2448812
Date Received :May 16, 2024
Date Reported :May 23, 2024
Report No. : 2997467-1

P/O : RJN(2)-018/66
Project Name : Pluak Daeng
Project Location :

Sample No. 2448812-13
Parameter Noise
Location บ้านพักอาศัย หมู่ 2 ซ.มาบยางพร 15 (N2) (GPS 47P 0733671, 1433988) (Shut down)
Measurement Date May 12 - 13, 2024
Measurement by Saknarin Jaraskay
Sound Level Meter 920832

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
04:05 AM - 04:10 AM	59.9	77.3	47.9
04:10 AM - 04:15 AM	55.6	70.7	47.7
04:15 AM - 04:20 AM	56.6	76.1	47.2
04:20 AM - 04:25 AM	54.3	71.3	51.0
04:25 AM - 04:30 AM	54.9	65.8	50.6
04:30 AM - 04:35 AM	59.9	75.9	48.7
04:35 AM - 04:40 AM	56.1	71.6	49.1
04:40 AM - 04:45 AM	55.6	68.7	53.2
04:45 AM - 04:50 AM	55.5	66.7	53.9
04:50 AM - 04:55 AM	57.1	67.6	56.0
04:55 AM - 05:00 AM	59.4	78.7	55.7
05:00 AM - 05:05 AM	57.4	68.4	53.7
05:05 AM - 05:10 AM	55.2	68.5	53.1
05:10 AM - 05:15 AM	56.5	71.7	53.4
05:15 AM - 05:20 AM	56.1	66.4	53.0
05:20 AM - 05:25 AM	55.8	66.8	52.6
05:25 AM - 05:30 AM	55.3	64.8	50.9
05:30 AM - 05:35 AM	55.6	65.0	51.0
05:35 AM - 05:40 AM	56.1	71.4	51.2
05:40 AM - 05:45 AM	54.9	66.7	50.6
05:45 AM - 05:50 AM	62.9	86.5	52.2
05:50 AM - 05:55 AM	60.1	76.8	50.8
05:55 AM - 06:00 AM	60.8	75.8	50.8
06:00 AM - 07:00 AM	61.1	84.5	49.7
07:00 AM - 08:00 AM	61.6	83.5	50.5
08:00 AM - 09:00 AM	58.8	83.7	42.8
09:00 AM - 10:00 AM	55.9	82.2	42.3
10:00 AM - 11:00 AM	54.6	75.8	43.0
11:00 AM - 12:00 PM	57.1	79.9	43.2
12:00 PM - 01:00 PM	57.0	80.9	42.4
01:00 PM - 02:00 PM	54.4	77.5	43.8
02:00 PM - 03:00 PM	55.8	79.2	44.0

Reference Method :
1. ISO 1996-1
2. ประกาศกรมโรงงานอุตสาหกรรม เรื่อง วิธีการตรวจวัดระดับเสียงการรบกวน ระดับเสียงเฉลี่ย 24 ชั่วโมง และระดับเสียงสูงสุดที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2567

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Wilawan Borirak
Manager

Analysis / Test Report

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

Lot ID: 2448812
Date Received :May 16, 2024
Date Reported :May 23, 2024
Report No. : 2997468-1

P/O : RJN(2)-018/66
Project Name : Pluak Daeng
Project Location :

Sample No. 2448812-14
Parameter Noise
Location บ้านพักอาศัย หมู่ 2 ซ.มาบยางพร 15 (N2) (GPS 47P 0733671, 1433988) (Shut down)
Measurement Date May 13 - 14, 2024
Measurement by Saknarin Jaraskay
Sound Level Meter 920832

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:00 PM - 04:00 PM	55.7	77.6	43.2
04:00 PM - 05:00 PM	56.2	78.4	46.2
05:00 PM - 06:00 PM	59.3	82.2	46.2
06:00 PM - 07:00 PM	57.4	76.8	43.1
07:00 PM - 08:00 PM	58.4	81.5	44.0
08:00 PM - 09:00 PM	58.2	79.9	44.2
09:00 PM - 10:00 PM	55.7	82.5	40.6
10:00 PM - 10:05 PM	52.1	66.7	40.1
10:05 PM - 10:10 PM	52.8	65.7	41.4
10:10 PM - 10:15 PM	49.6	63.0	43.0
10:15 PM - 10:20 PM	49.3	62.9	40.4
10:20 PM - 10:25 PM	47.5	66.2	39.4
10:25 PM - 10:30 PM	44.1	60.3	39.7
10:30 PM - 10:35 PM	42.5	57.9	39.1
10:35 PM - 10:40 PM	47.6	65.0	38.6
10:40 PM - 10:45 PM	43.7	61.8	38.3
10:45 PM - 10:50 PM	39.2	48.8	37.8
10:50 PM - 10:55 PM	47.0	67.1	37.9
10:55 PM - 11:00 PM	46.3	61.5	37.9
11:00 PM - 11:05 PM	44.6	61.0	37.7
11:05 PM - 11:10 PM	47.8	66.6	38.2
11:10 PM - 11:15 PM	51.6	73.5	37.5
11:15 PM - 11:20 PM	42.3	62.7	37.0
11:20 PM - 11:25 PM	43.6	61.7	36.6
11:25 PM - 11:30 PM	49.2	65.2	36.6
11:30 PM - 11:35 PM	41.3	59.9	37.5
11:35 PM - 11:40 PM	40.8	58.3	37.6
11:40 PM - 11:45 PM	44.1	61.9	37.3
11:45 PM - 11:50 PM	46.6	65.8	37.1
11:50 PM - 11:55 PM	59.4	77.0	36.9
11:55 PM - 12:00 AM	48.5	64.6	37.0
12:00 AM - 12:05 AM	49.4	65.4	36.3
12:05 AM - 12:10 AM	47.4	68.3	36.1
12:10 AM - 12:15 AM	47.1	65.4	34.6
12:15 AM - 12:20 AM	49.9	67.3	35.1
12:20 AM - 12:25 AM	47.4	66.1	34.3
12:25 AM - 12:30 AM	51.2	71.3	35.6
12:30 AM - 12:35 AM	57.7	79.9	36.6
12:35 AM - 12:40 AM	41.5	57.7	35.0
12:40 AM - 12:45 AM	45.3	65.9	35.6

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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

Lot ID: 2448812
Date Received :May 16, 2024
Date Reported :May 23, 2024
Report No. : 2997468-1

P/O : RJN(2)-018/66
Project Name : Pluak Daeng
Project Location :

Sample No. 2448812-14
Parameter Noise
Location บ้านพักอาศัย หมู่ 2 ซ.มาบยางพร 15 (N2) (GPS 47P 0733671, 1433988) (Shut down)
Measurement Date May 13 - 14, 2024
Measurement by Saknarin Jaraskay
Sound Level Meter 920832

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:45 AM - 12:50 AM	51.5	73.0	36.0
12:50 AM - 12:55 AM	41.7	58.9	37.7
12:55 AM - 01:00 AM	46.2	66.4	36.9
01:00 AM - 01:05 AM	42.5	59.2	36.9
01:05 AM - 01:10 AM	47.4	66.5	37.8
01:10 AM - 01:15 AM	42.1	57.1	37.5
01:15 AM - 01:20 AM	38.4	46.9	37.6
01:20 AM - 01:25 AM	42.9	63.2	37.9
01:25 AM - 01:30 AM	45.6	59.6	37.7
01:30 AM - 01:35 AM	46.1	64.4	36.9
01:35 AM - 01:40 AM	40.2	63.8	37.7
01:40 AM - 01:45 AM	44.0	65.4	37.3
01:45 AM - 01:50 AM	47.0	65.4	36.4
01:50 AM - 01:55 AM	36.2	57.3	35.0
01:55 AM - 02:00 AM	35.5	38.7	35.0
02:00 AM - 02:05 AM	39.8	57.1	34.8
02:05 AM - 02:10 AM	36.0	56.4	34.5
02:10 AM - 02:15 AM	49.4	71.9	34.2
02:15 AM - 02:20 AM	41.2	59.8	34.9
02:20 AM - 02:25 AM	38.8	55.1	34.9
02:25 AM - 02:30 AM	41.9	59.6	37.3
02:30 AM - 02:35 AM	38.2	42.2	37.6
02:35 AM - 02:40 AM	44.5	62.6	38.7
02:40 AM - 02:45 AM	38.3	40.2	37.6
02:45 AM - 02:50 AM	45.3	65.6	37.5
02:50 AM - 02:55 AM	39.8	42.7	38.9
02:55 AM - 03:00 AM	42.1	57.9	39.0
03:00 AM - 03:05 AM	42.0	58.5	39.2
03:05 AM - 03:10 AM	43.3	60.2	38.3
03:10 AM - 03:15 AM	42.0	66.4	38.2
03:15 AM - 03:20 AM	41.5	59.1	38.2
03:20 AM - 03:25 AM	38.7	41.9	37.9
03:25 AM - 03:30 AM	45.7	64.0	37.0
03:30 AM - 03:35 AM	41.4	57.9	36.3
03:35 AM - 03:40 AM	45.6	64.5	35.8
03:40 AM - 03:45 AM	36.4	41.0	35.6
03:45 AM - 03:50 AM	40.8	60.3	35.4
03:50 AM - 03:55 AM	50.5	64.9	35.7
03:55 AM - 04:00 AM	43.5	60.9	35.3
04:00 AM - 04:05 AM	55.0	75.7	35.6

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Analysis / Test Report

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54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140

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Date Received :May 16, 2024
Date Reported :May 23, 2024
Report No. : 2997468-1

P/O : RJN(2)-018/66
Project Name : Pluak Daeng
Project Location :

Sample No. 2448812-14
Parameter Noise
Location บ้านพักอาศัย หมู่ 2 ซ.มาบยางพร 15 (N2) (GPS 47P 0733671, 1433988) (Shut down)
Measurement Date May 13 - 14, 2024
Measurement by Saknarin Jaraskay
Sound Level Meter 920832

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
04:05 AM - 04:10 AM	47.3	64.4	35.3
04:10 AM - 04:15 AM	49.0	65.6	35.7
04:15 AM - 04:20 AM	47.2	63.2	36.6
04:20 AM - 04:25 AM	51.0	66.1	36.3
04:25 AM - 04:30 AM	49.0	63.7	35.9
04:30 AM - 04:35 AM	48.4	65.5	35.5
04:35 AM - 04:40 AM	46.8	61.9	35.5
04:40 AM - 04:45 AM	48.7	64.8	35.7
04:45 AM - 04:50 AM	48.1	64.4	35.7
04:50 AM - 04:55 AM	49.1	69.1	36.4
04:55 AM - 05:00 AM	55.8	71.7	37.8
05:00 AM - 05:05 AM	52.3	70.9	38.4
05:05 AM - 05:10 AM	50.0	63.6	37.2
05:10 AM - 05:15 AM	54.6	71.6	37.9
05:15 AM - 05:20 AM	53.9	67.8	38.4
05:20 AM - 05:25 AM	53.2	67.6	38.2
05:25 AM - 05:30 AM	50.5	66.1	37.9
05:30 AM - 05:35 AM	59.3	82.7	38.9
05:35 AM - 05:40 AM	52.9	69.9	38.5
05:40 AM - 05:45 AM	57.2	80.2	43.6
05:45 AM - 05:50 AM	57.9	74.3	41.8
05:50 AM - 05:55 AM	59.5	77.9	41.9
05:55 AM - 06:00 AM	52.9	70.1	38.2
06:00 AM - 07:00 AM	58.9	79.0	46.1
07:00 AM - 08:00 AM	61.8	86.8	48.6
08:00 AM - 09:00 AM	59.1	81.1	42.5
09:00 AM - 10:00 AM	58.2	80.4	41.4
10:00 AM - 11:00 AM	56.6	80.7	42.6
11:00 AM - 12:00 PM	58.0	82.5	44.5
12:00 PM - 01:00 PM	59.6	85.5	44.1
01:00 PM - 02:00 PM	54.3	72.8	43.8
02:00 PM - 03:00 PM	55.9	80.5	44.5

Reference Method :
1. ISO 1996-1
2. ประกาศกรมโรงงานอุตสาหกรรม เรื่อง วิธีการตรวจวัดระดับเสียงการรบกวน ระดับเสียงเฉลี่ย 24 ชั่วโมง และระดับเสียงสูงสุดที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2567

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