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: 24124979
Date Received : Dec 23, 2024
Date Reported : Dec 28, 2024
Report Number: 3205374-1

Sample Description Air Quality
Location วัดมาบยางพร (A1) (GPS 47P 0732270, 1436522)
Parameter Nitrogen dioxide (ppm)
Measurement Date Dec 15, 2024 - Dec 22, 2024
Measurement by Panuwat Wangbong

Time	24124979-1 Dec 15, 2024	24124979-2 Dec 16, 2024	24124979-3 Dec 17, 2024	24124979-4 Dec 18, 2024	24124979-5 Dec 19, 2024	24124979-6 Dec 20, 2024	24124979-7 Dec 21, 2024
10:00 AM - 11:00 AM	0.0049	0.0035	0.0052	0.0060	0.0021	0.0035	0.0033
11:00 AM - 12:00 PM	0.0047	0.0032	0.0057	0.0052	0.0022	0.0038	0.0039
12:00 PM - 01:00 PM	0.0050	0.0028	0.0039	0.0054	0.0044	0.0039	0.0038
01:00 PM - 02:00 PM	0.0040	0.0026	0.0041	0.0085	0.0044	0.0022	0.0031
02:00 PM - 03:00 PM	0.0038	0.0030	0.0035	0.0041	0.0028	0.0028	0.0031
03:00 PM - 04:00 PM	0.0039	0.0034	0.0031	0.0042	0.0049	0.0031	0.0034
04:00 PM - 05:00 PM	0.0037	0.0032	0.0025	0.0064	0.0037	0.0030	0.0036
05:00 PM - 06:00 PM	0.0040	0.0034	0.0025	0.0100	0.0047	0.0038	0.0033
06:00 PM - 07:00 PM	0.0036	0.0044	0.0024	0.0090	0.0042	0.0044	0.0031
07:00 PM - 08:00 PM	0.0044	0.0058	0.0031	0.0096	0.0038	0.0068	0.0030
08:00 PM - 09:00 PM	0.0039	0.0068	0.0033	0.0092	0.0060	0.0090	0.0033
09:00 PM - 10:00 PM	0.0041	0.0088	0.0034	0.0064	0.0080	0.0077	0.0032
10:00 PM - 11:00 PM	0.0056	0.0122	0.0046	0.0056	0.0074	0.0057	0.0032
11:00 PM - 12:00 AM	0.0043	0.0134	0.0056	0.0045	0.0060	0.0050	0.0033
12:00 AM - 01:00 AM	0.0040	0.0108	0.0070	0.0036	0.0051	0.0065	0.0053
01:00 AM - 02:00 AM	0.0051	0.0094	0.0067	0.0032	0.0049	0.0071	0.0046
02:00 AM - 03:00 AM	0.0058	0.0084	0.0060	0.0032	0.0049	0.0072	0.0037
03:00 AM - 04:00 AM	0.0060	0.0069	0.0062	0.0035	0.0054	0.0063	0.0035
04:00 AM - 05:00 AM	0.0057	0.0063	0.0064	0.0033	0.0049	0.0076	0.0027
05:00 AM - 06:00 AM	0.0067	0.0061	0.0063	0.0033	0.0055	0.0090	0.0031
06:00 AM - 07:00 AM	0.0091	0.0051	0.0066	0.0027	0.0051	0.0104	0.0037
07:00 AM - 08:00 AM	0.0067	0.0040	0.0071	0.0024	0.0044	0.0085	0.0028
08:00 AM - 09:00 AM	0.0055	0.0044	0.0060	0.0024	0.0044	0.0081	0.0033
09:00 AM - 10:00 AM	0.0031	0.0045	0.0064	0.0024	0.0038	0.0045	0.0061
Average	0.0049	0.0059	0.0049	0.0052	0.0047	0.0058	0.0036
1hr - Maximum	0.0091	0.0134	0.0071	0.0100	0.0080	0.0104	0.0061
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

Saranya C.

Saranya Chalermthamrong
Scientist (4)

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: 24124979
Date Received : Dec 23, 2024
Date Reported : Dec 28, 2024
Report Number: 3205376-1

Sample Description Air Quality
Location บ้านวังตาผิน (A2)
Parameter Nitrogen dioxide (ppm)
Measurement Date Dec 15, 2024 - Dec 22, 2024
Measurement by Panuwat Wangbong

Time	24124979-8 Dec 15, 2024	24124979-9 Dec 16, 2024	24124979-10 Dec 17, 2024	24124979-11 Dec 18, 2024	24124979-12 Dec 19, 2024	24124979-13 Dec 20, 2024	24124979-14 Dec 21, 2024
12:00 PM - 01:00 PM	0.0017	0.0049	0.0040	0.0016	0.0039	0.0064	0.0060
01:00 PM - 02:00 PM	0.0026	0.0081	0.0034	0.0019	0.0035	0.0040	0.0059
02:00 PM - 03:00 PM	0.0028	0.0086	0.0039	0.0013	0.0039	0.0037	0.0053
03:00 PM - 04:00 PM	0.0026	0.0110	0.0039	0.0013	0.0032	0.0050	0.0041
04:00 PM - 05:00 PM	0.0037	0.0060	0.0035	0.0017	0.0031	0.0039	0.0039
05:00 PM - 06:00 PM	0.0037	0.0030	0.0049	0.0024	0.0050	0.0040	0.0030
06:00 PM - 07:00 PM	0.0063	0.0031	0.0039	0.0030	0.0053	0.0044	0.0028
07:00 PM - 08:00 PM	0.0094	0.0107	0.0073	0.0034	0.0055	0.0021	0.0021
08:00 PM - 09:00 PM	0.0039	0.0073	0.0058	0.0035	0.0057	0.0016	0.0015
09:00 PM - 10:00 PM	0.0026	0.0057	0.0037	0.0066	0.0055	0.0022	0.0015
10:00 PM - 11:00 PM	0.0044	0.0050	0.0036	0.0054	0.0070	0.0024	0.0013
11:00 PM - 12:00 AM	0.0061	0.0046	0.0029	0.0103	0.0081	0.0021	0.0020
12:00 AM - 01:00 AM	0.0055	0.0040	0.0022	0.0012	0.0038	0.0043	0.0024
01:00 AM - 02:00 AM	0.0040	0.0035	0.0041	0.0025	0.0034	0.0063	0.0051
02:00 AM - 03:00 AM	0.0035	0.0035	0.0021	0.0030	0.0036	0.0094	0.0048
03:00 AM - 04:00 AM	0.0040	0.0033	0.0019	0.0036	0.0024	0.0100	0.0064
04:00 AM - 05:00 AM	0.0045	0.0032	0.0020	0.0036	0.0018	0.0047	0.0040
05:00 AM - 06:00 AM	0.0050	0.0030	0.0045	0.0045	0.0045	0.0030	0.0051
06:00 AM - 07:00 AM	0.0060	0.0036	0.0034	0.0074	0.0063	0.0038	0.0055
07:00 AM - 08:00 AM	0.0036	0.0044	0.0023	0.0135	0.0078	0.0030	0.0043
08:00 AM - 09:00 AM	0.0019	0.0043	0.0026	0.0084	0.0052	0.0026	0.0048
09:00 AM - 10:00 AM	0.0024	0.0026	0.0032	0.0049	0.0037	0.0037	0.0053
10:00 AM - 11:00 AM	0.0034	0.0026	0.0041	0.0038	0.0033	0.0050	0.0054
11:00 AM - 12:00 PM	0.0048	0.0027	0.0046	0.0043	0.0037	0.0055	0.0042
Average	0.0041	0.0049	0.0037	0.0043	0.0046	0.0043	0.0040
1hr - Maximum	0.0094	0.0110	0.0073	0.0135	0.0081	0.0100	0.0064
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

Saranya C.

Saranya Chalermthamrong
Scientist (4)

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: 24124979
Date Received : Dec 23, 2024
Date Reported : Dec 28, 2024
Report Number: 3205377-1

Sample Description Air Quality
Location วัดประสิทธิ์ธาราม (A3) (GPS 47P 0731870, 1430333)
Parameter Nitrogen dioxide (ppm)
Measurement Date Dec 15, 2024 - Dec 22, 2024
Measurement by Panuwat Wangbong

Time	24124979-15 Dec 15, 2024	24124979-16 Dec 16, 2024	24124979-17 Dec 17, 2024	24124979-18 Dec 18, 2024	24124979-19 Dec 19, 2024	24124979-20 Dec 20, 2024	24124979-21 Dec 21, 2024
11:00 AM - 12:00 PM	0.0047	0.0026	0.0030	0.0029	0.0018	0.0030	0.0036
12:00 PM - 01:00 PM	0.0050	0.0042	0.0028	0.0024	0.0017	0.0026	0.0032
01:00 PM - 02:00 PM	0.0056	0.0058	0.0029	0.0025	0.0016	0.0025	0.0029
02:00 PM - 03:00 PM	0.0064	0.0046	0.0030	0.0029	0.0016	0.0024	0.0027
03:00 PM - 04:00 PM	0.0071	0.0042	0.0032	0.0025	0.0018	0.0027	0.0027
04:00 PM - 05:00 PM	0.0073	0.0045	0.0037	0.0029	0.0020	0.0029	0.0028
05:00 PM - 06:00 PM	0.0078	0.0048	0.0039	0.0033	0.0023	0.0038	0.0032
06:00 PM - 07:00 PM	0.0086	0.0050	0.0052	0.0038	0.0031	0.0050	0.0061
07:00 PM - 08:00 PM	0.0086	0.0053	0.0064	0.0043	0.0040	0.0056	0.0064
08:00 PM - 09:00 PM	0.0085	0.0050	0.0061	0.0043	0.0054	0.0062	0.0067
09:00 PM - 10:00 PM	0.0081	0.0044	0.0066	0.0042	0.0052	0.0077	0.0074
10:00 PM - 11:00 PM	0.0073	0.0040	0.0060	0.0049	0.0046	0.0075	0.0073
11:00 PM - 12:00 AM	0.0071	0.0037	0.0051	0.0052	0.0037	0.0072	0.0066
12:00 AM - 01:00 AM	0.0072	0.0037	0.0043	0.0054	0.0032	0.0069	0.0049
01:00 AM - 02:00 AM	0.0067	0.0033	0.0038	0.0037	0.0033	0.0070	0.0045
02:00 AM - 03:00 AM	0.0076	0.0033	0.0040	0.0031	0.0031	0.0063	0.0039
03:00 AM - 04:00 AM	0.0068	0.0032	0.0041	0.0029	0.0029	0.0052	0.0034
04:00 AM - 05:00 AM	0.0102	0.0032	0.0039	0.0028	0.0034	0.0043	0.0031
05:00 AM - 06:00 AM	0.0077	0.0035	0.0037	0.0028	0.0037	0.0043	0.0029
06:00 AM - 07:00 AM	0.0086	0.0035	0.0039	0.0030	0.0042	0.0044	0.0030
07:00 AM - 08:00 AM	0.0117	0.0038	0.0042	0.0036	0.0050	0.0051	0.0033
08:00 AM - 09:00 AM	0.0097	0.0041	0.0040	0.0032	0.0050	0.0052	0.0033
09:00 AM - 10:00 AM	0.0083	0.0037	0.0036	0.0024	0.0041	0.0047	0.0043
10:00 AM - 11:00 AM	0.0088	0.0033	0.0033	0.0020	0.0034	0.0041	0.0037
Average	0.0077	0.0040	0.0042	0.0034	0.0033	0.0049	0.0042
1hr - Maximum	0.0117	0.0058	0.0066	0.0054	0.0054	0.0077	0.0074
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

Saranya C.

Saranya Chalermthamrong
Scientist (4)

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: 24124979
Date Received : Dec 23, 2024
Date Reported : Dec 28, 2024
Report Number: 3151841-1

Sample Description Air Quality
Location วัดวังประดู่ (A4) (GPS 47P 0736656, 1430554)
Parameter Nitrogen dioxide (ppm)
Measurement Date Dec 15, 2024 - Dec 22, 2024
Measurement by Panuwat Wangbong

Time	24124979-22 Dec 15, 2024	24124979-23 Dec 16, 2024	24124979-24 Dec 17, 2024	24124979-25 Dec 18, 2024	24124979-26 Dec 19, 2024	24124979-27 Dec 20, 2024	24124979-28 Dec 21, 2024
09:00 AM - 10:00 AM	0.0047	0.0097	0.0048	0.0065	0.0065	0.0048	0.0043
10:00 AM - 11:00 AM	0.0045	0.0083	0.0066	0.0057	0.0085	0.0062	0.0046
11:00 AM - 12:00 PM	0.0049	0.0078	0.0063	0.0066	0.0064	0.0062	0.0054
12:00 PM - 01:00 PM	0.0047	0.0087	0.0067	0.0078	0.0066	0.0039	0.0073
01:00 PM - 02:00 PM	0.0050	0.0084	0.0065	0.0074	0.0062	0.0045	0.0072
02:00 PM - 03:00 PM	0.0056	0.0090	0.0062	0.0084	0.0066	0.0053	0.0055
03:00 PM - 04:00 PM	0.0054	0.0095	0.0063	0.0089	0.0064	0.0063	0.0063
04:00 PM - 05:00 PM	0.0061	0.0085	0.0044	0.0068	0.0070	0.0069	0.0033
05:00 PM - 06:00 PM	0.0063	0.0088	0.0051	0.0062	0.0066	0.0044	0.0052
06:00 PM - 07:00 PM	0.0058	0.0067	0.0073	0.0077	0.0081	0.0059	0.0085
07:00 PM - 08:00 PM	0.0056	0.0070	0.0058	0.0050	0.0063	0.0080	0.0087
08:00 PM - 09:00 PM	0.0056	0.0042	0.0047	0.0077	0.0082	0.0052	0.0081
09:00 PM - 10:00 PM	0.0055	0.0042	0.0043	0.0052	0.0071	0.0079	0.0073
10:00 PM - 11:00 PM	0.0081	0.0017	0.0047	0.0049	0.0047	0.0067	0.0079
11:00 PM - 12:00 AM	0.0073	0.0056	0.0055	0.0061	0.0046	0.0037	0.0081
12:00 AM - 01:00 AM	0.0071	0.0068	0.0038	0.0043	0.0083	0.0050	0.0086
01:00 AM - 02:00 AM	0.0072	0.0033	0.0034	0.0034	0.0099	0.0071	0.0067
02:00 AM - 03:00 AM	0.0067	0.0041	0.0047	0.0045	0.0078	0.0051	0.0056
03:00 AM - 04:00 AM	0.0076	0.0048	0.0042	0.0047	0.0085	0.0025	0.0064
04:00 AM - 05:00 AM	0.0068	0.0048	0.0077	0.0052	0.0067	0.0035	0.0064
05:00 AM - 06:00 AM	0.0082	0.0091	0.0076	0.0037	0.0088	0.0046	0.0040
06:00 AM - 07:00 AM	0.0077	0.0082	0.0040	0.0044	0.0050	0.0006	0.0058
07:00 AM - 08:00 AM	0.0086	0.0083	0.0024	0.0072	0.0028	0.0067	0.0063
08:00 AM - 09:00 AM	0.0087	0.0043	0.0060	0.0071	0.0083	0.0069	0.0058
Average	0.0064	0.0067	0.0054	0.0061	0.0069	0.0053	0.0064
1hr - Maximum	0.0087	0.0097	0.0077	0.0089	0.0099	0.0080	0.0087
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

Saranya C.

Saranya Chalermthamrong
Scientist (4)

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: 24124980
Date Received : Dec 23, 2024
Date Reported : Dec 28, 2024
Report Number: 3205371-1

Sample Description Air Quality
Location วัดมาบยางพร (A1) (GPS 47P 0732270, 1436522)
Parameter Sulfur Dioxide (ppm)
Measurement Date Dec 15, 2024 - Dec 22, 2024
Measurement by Panuwat Wangbong

Time	24124980-1 Dec 15, 2024	24124980-2 Dec 16, 2024	24124980-3 Dec 17, 2024	24124980-4 Dec 18, 2024	24124980-5 Dec 19, 2024	24124980-6 Dec 20, 2024	24124980-7 Dec 21, 2024
10:00 AM - 11:00 AM	0.0043	0.0042	0.0052	0.0051	0.0051	0.0050	0.0051
11:00 AM - 12:00 PM	0.0043	0.0055	0.0053	0.0050	0.0052	0.0050	0.0051
12:00 PM - 01:00 PM	0.0043	0.0057	0.0055	0.0052	0.0052	0.0052	0.0050
01:00 PM - 02:00 PM	0.0043	0.0057	0.0054	0.0052	0.0054	0.0051	0.0050
02:00 PM - 03:00 PM	0.0042	0.0055	0.0053	0.0051	0.0089	0.0051	0.0050
03:00 PM - 04:00 PM	0.0043	0.0055	0.0051	0.0051	0.0052	0.0050	0.0051
04:00 PM - 05:00 PM	0.0042	0.0054	0.0050	0.0051	0.0051	0.0050	0.0051
05:00 PM - 06:00 PM	0.0043	0.0052	0.0051	0.0051	0.0049	0.0050	0.0056
06:00 PM - 07:00 PM	0.0043	0.0052	0.0051	0.0051	0.0051	0.0049	0.0052
07:00 PM - 08:00 PM	0.0043	0.0053	0.0053	0.0051	0.0051	0.0049	0.0057
08:00 PM - 09:00 PM	0.0043	0.0053	0.0053	0.0050	0.0051	0.0050	0.0051
09:00 PM - 10:00 PM	0.0043	0.0053	0.0052	0.0051	0.0051	0.0051	0.0050
10:00 PM - 11:00 PM	0.0043	0.0053	0.0052	0.0052	0.0051	0.0050	0.0050
11:00 PM - 12:00 AM	0.0043	0.0053	0.0052	0.0052	0.0050	0.0050	0.0050
12:00 AM - 01:00 AM	0.0044	0.0053	0.0052	0.0051	0.0051	0.0050	0.0050
01:00 AM - 02:00 AM	0.0043	0.0053	0.0052	0.0051	0.0051	0.0050	0.0050
02:00 AM - 03:00 AM	0.0044	0.0053	0.0051	0.0051	0.0051	0.0050	0.0050
03:00 AM - 04:00 AM	0.0049	0.0053	0.0052	0.0051	0.0051	0.0050	0.0050
04:00 AM - 05:00 AM	0.0043	0.0053	0.0052	0.0052	0.0051	0.0050	0.0051
05:00 AM - 06:00 AM	0.0044	0.0054	0.0052	0.0052	0.0051	0.0050	0.0051
06:00 AM - 07:00 AM	0.0045	0.0053	0.0052	0.0052	0.0051	0.0050	0.0051
07:00 AM - 08:00 AM	0.0044	0.0052	0.0052	0.0052	0.0051	0.0050	0.0051
08:00 AM - 09:00 AM	0.0045	0.0052	0.0051	0.0051	0.0050	0.0050	0.0050
09:00 AM - 10:00 AM	0.0070	0.0052	0.0051	0.0051	0.0050	0.0049	0.0050
Average	0.0045	0.0053	0.0052	0.0051	0.0053	0.0050	0.0051
1hr - Maximum	0.0070	0.0057	0.0055	0.0052	0.0089	0.0052	0.0057
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

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

Saranya C.

Saranya Chalermthamrong
Scientist (4)

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: 24124980
Date Received : Dec 23, 2024
Date Reported : Dec 28, 2024
Report Number: 3205372-1

Sample Description Air Quality
Location บ้านวังตาผิน (A2)
(GPS 47P 0735930, 1436155)
Parameter Sulfur Dioxide (ppm)
Measurement Date Dec 15, 2024 - Dec 22, 2024
Measurement by Panuwat Wangbong

Time	24124980-8 Dec 15, 2024	24124980-9 Dec 16, 2024	24124980-10 Dec 17, 2024	24124980-11 Dec 18, 2024	24124980-12 Dec 19, 2024	24124980-13 Dec 20, 2024	24124980-14 Dec 21, 2024
12:00 PM - 01:00 PM	0.0129	0.0131	0.0128	0.0128	0.0122	0.0128	0.0124
01:00 PM - 02:00 PM	0.0130	0.0129	0.0128	0.0128	0.0122	0.0129	0.0124
02:00 PM - 03:00 PM	0.0128	0.0129	0.0126	0.0126	0.0121	0.0129	0.0126
03:00 PM - 04:00 PM	0.0127	0.0129	0.0126	0.0128	0.0122	0.0126	0.0128
04:00 PM - 05:00 PM	0.0127	0.0129	0.0126	0.0126	0.0124	0.0126	0.0127
05:00 PM - 06:00 PM	0.0127	0.0132	0.0129	0.0127	0.0124	0.0128	0.0129
06:00 PM - 07:00 PM	0.0130	0.0133	0.0128	0.0128	0.0126	0.0134	0.0128
07:00 PM - 08:00 PM	0.0129	0.0133	0.0130	0.0130	0.0127	0.0136	0.0125
08:00 PM - 09:00 PM	0.0133	0.0132	0.0129	0.0130	0.0128	0.0134	0.0120
09:00 PM - 10:00 PM	0.0132	0.0133	0.0131	0.0128	0.0129	0.0131	0.0121
10:00 PM - 11:00 PM	0.0130	0.0133	0.0132	0.0128	0.0129	0.0132	0.0124
11:00 PM - 12:00 AM	0.0131	0.0134	0.0132	0.0129	0.0128	0.0129	0.0124
12:00 AM - 01:00 AM	0.0123	0.0133	0.0132	0.0125	0.0126	0.0126	0.0124
01:00 AM - 02:00 AM	0.0123	0.0132	0.0132	0.0127	0.0127	0.0126	0.0125
02:00 AM - 03:00 AM	0.0125	0.0133	0.0132	0.0129	0.0127	0.0126	0.0124
03:00 AM - 04:00 AM	0.0125	0.0132	0.0126	0.0129	0.0129	0.0125	0.0123
04:00 AM - 05:00 AM	0.0125	0.0132	0.0123	0.0128	0.0131	0.0125	0.0122
05:00 AM - 06:00 AM	0.0126	0.0133	0.0123	0.0117	0.0131	0.0124	0.0121
06:00 AM - 07:00 AM	0.0126	0.0132	0.0123	0.0096	0.0131	0.0125	0.0122
07:00 AM - 08:00 AM	0.0128	0.0131	0.0124	0.0108	0.0130	0.0128	0.0123
08:00 AM - 09:00 AM	0.0129	0.0132	0.0117	0.0113	0.0132	0.0129	0.0123
09:00 AM - 10:00 AM	0.0128	0.0131	0.0122	0.0119	0.0128	0.0128	0.0122
10:00 AM - 11:00 AM	0.0128	0.0131	0.0125	0.0121	0.0132	0.0128	0.0122
11:00 AM - 12:00 PM	0.0131	0.0130	0.0127	0.0122	0.0131	0.0125	0.0123
Average	0.0128	0.0132	0.0127	0.0124	0.0127	0.0128	0.0124
1hr - Maximum	0.0133	0.0134	0.0132	0.0130	0.0132	0.0136	0.0129
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

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

Saranya C.

Saranya Chalermthamrong
Scientist (4)

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: 24124980
Date Received : Dec 23, 2024
Date Reported : Dec 28, 2024
Report Number: 3205373-1

Sample Description Air Quality
Location วัดประสิทธิ์ธาราม (A3) (GPS 47P 0731870, 1430333)
Parameter Sulfur Dioxide (ppm)
Measurement Date Dec 15, 2024 - Dec 22, 2024
Measurement by Panuwat Wangbong

Time	24124980-15 Dec 15, 2024	24124980-16 Dec 16, 2024	24124980-17 Dec 17, 2024	24124980-18 Dec 18, 2024	24124980-19 Dec 19, 2024	24124980-20 Dec 20, 2024	24124980-21 Dec 21, 2024
11:00 AM - 12:00 PM	0.0105	0.0106	0.0108	0.0106	0.0109	0.0108	0.0109
12:00 PM - 01:00 PM	0.0109	0.0109	0.0108	0.0108	0.0110	0.0107	0.0108
01:00 PM - 02:00 PM	0.0109	0.0109	0.0107	0.0109	0.0109	0.0109	0.0108
02:00 PM - 03:00 PM	0.0111	0.0110	0.0109	0.0108	0.0108	0.0107	0.0110
03:00 PM - 04:00 PM	0.0108	0.0110	0.0109	0.0110	0.0109	0.0109	0.0108
04:00 PM - 05:00 PM	0.0108	0.0109	0.0109	0.0100	0.0109	0.0108	0.0108
05:00 PM - 06:00 PM	0.0108	0.0108	0.0109	0.0110	0.0109	0.0111	0.0107
06:00 PM - 07:00 PM	0.0109	0.0110	0.0108	0.0109	0.0109	0.0112	0.0114
07:00 PM - 08:00 PM	0.0110	0.0110	0.0109	0.0110	0.0108	0.0110	0.0113
08:00 PM - 09:00 PM	0.0109	0.0111	0.0112	0.0111	0.0107	0.0112	0.0109
09:00 PM - 10:00 PM	0.0107	0.0109	0.0108	0.0113	0.0107	0.0111	0.0111
10:00 PM - 11:00 PM	0.0109	0.0110	0.0104	0.0111	0.0105	0.0107	0.0105
11:00 PM - 12:00 AM	0.0109	0.0106	0.0106	0.0110	0.0108	0.0112	0.0107
12:00 AM - 01:00 AM	0.0110	0.0108	0.0107	0.0127	0.0108	0.0109	0.0111
01:00 AM - 02:00 AM	0.0109	0.0112	0.0110	0.0114	0.0110	0.0115	0.0102
02:00 AM - 03:00 AM	0.0110	0.0112	0.0112	0.0112	0.0109	0.0109	0.0108
03:00 AM - 04:00 AM	0.0105	0.0106	0.0114	0.0111	0.0105	0.0112	0.0106
04:00 AM - 05:00 AM	0.0107	0.0104	0.0109	0.0105	0.0113	0.0107	0.0110
05:00 AM - 06:00 AM	0.0110	0.0110	0.0106	0.0111	0.0107	0.0111	0.0109
06:00 AM - 07:00 AM	0.0110	0.0111	0.0113	0.0108	0.0109	0.0108	0.0108
07:00 AM - 08:00 AM	0.0109	0.0106	0.0111	0.0108	0.0109	0.0109	0.0111
08:00 AM - 09:00 AM	0.0112	0.0111	0.0107	0.0114	0.0109	0.0113	0.0104
09:00 AM - 10:00 AM	0.0108	0.0111	0.0106	0.0107	0.0106	0.0109	0.0106
10:00 AM - 11:00 AM	0.0096	0.0106	0.0106	0.0107	0.0107	0.0108	0.0105
Average	0.0108	0.0109	0.0109	0.0110	0.0108	0.0110	0.0108
1hr - Maximum	0.0112	0.0112	0.0114	0.0127	0.0113	0.0115	0.0114
Standard 1hr - Average	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Standard 24 hrs - Average	0.12	0.12	0.12	0.12	0.12	0.12	0.12

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

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Approved by



Saranya Chalermthamrong
Scientist (4)

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: 24124980
Date Received : Dec 23, 2024
Date Reported : Dec 28, 2024
Report Number: 3151842-1

Sample Description Air Quality
Location วัดวังประดู่ (A4) (GPS 47P 0736656, 1430554)
Parameter Sulfur Dioxide (ppm)
Measurement Date Dec 15, 2024 - Dec 22, 2024
Measurement by Panuwat Wangbong

Time	24124980-22 Dec 15, 2024	24124980-23 Dec 16, 2024	24124980-24 Dec 17, 2024	24124980-25 Dec 18, 2024	24124980-26 Dec 19, 2024	24124980-27 Dec 20, 2024	24124980-28 Dec 21, 2024
09:00 AM - 10:00 AM	0.0032	0.0031	0.0016	0.0023	0.0023	0.0024	0.0025
10:00 AM - 11:00 AM	0.0026	0.0025	0.0011	0.0024	0.0023	0.0023	0.0025
11:00 AM - 12:00 PM	0.0025	0.0024	0.0014	0.0023	0.0021	0.0025	0.0023
12:00 PM - 01:00 PM	0.0025	0.0025	0.0027	0.0025	0.0025	0.0022	0.0024
01:00 PM - 02:00 PM	0.0029	0.0038	0.0025	0.0025	0.0025	0.0022	0.0024
02:00 PM - 03:00 PM	0.0022	0.0038	0.0022	0.0024	0.0022	0.0024	0.0024
03:00 PM - 04:00 PM	0.0028	0.0027	0.0025	0.0023	0.0025	0.0025	0.0023
04:00 PM - 05:00 PM	0.0024	0.0022	0.0022	0.0025	0.0022	0.0024	0.0026
05:00 PM - 06:00 PM	0.0025	0.0020	0.0026	0.0024	0.0022	0.0024	0.0024
06:00 PM - 07:00 PM	0.0027	0.0016	0.0025	0.0022	0.0023	0.0025	0.0024
07:00 PM - 08:00 PM	0.0025	0.0015	0.0023	0.0025	0.0023	0.0022	0.0023
08:00 PM - 09:00 PM	0.0026	0.0021	0.0022	0.0025	0.0027	0.0023	0.0023
09:00 PM - 10:00 PM	0.0025	0.0022	0.0026	0.0025	0.0023	0.0026	0.0025
10:00 PM - 11:00 PM	0.0026	0.0022	0.0027	0.0027	0.0021	0.0027	0.0025
11:00 PM - 12:00 AM	0.0026	0.0018	0.0030	0.0030	0.0025	0.0025	0.0024
12:00 AM - 01:00 AM	0.0025	0.0013	0.0025	0.0027	0.0024	0.0027	0.0025
01:00 AM - 02:00 AM	0.0024	0.0013	0.0023	0.0025	0.0022	0.0028	0.0025
02:00 AM - 03:00 AM	0.0027	0.0024	0.0023	0.0022	0.0026	0.0025	0.0024
03:00 AM - 04:00 AM	0.0026	0.0012	0.0028	0.0025	0.0022	0.0025	0.0023
04:00 AM - 05:00 AM	0.0023	0.0027	0.0021	0.0024	0.0024	0.0024	0.0024
05:00 AM - 06:00 AM	0.0027	0.0012	0.0027	0.0024	0.0024	0.0027	0.0023
06:00 AM - 07:00 AM	0.0026	0.0025	0.0023	0.0023	0.0023	0.0024	0.0023
07:00 AM - 08:00 AM	0.0027	0.0020	0.0024	0.0021	0.0025	0.0027	0.0024
08:00 AM - 09:00 AM	0.0029	0.0026	0.0025	0.0022	0.0024	0.0025	0.0025
Average	0.0026	0.0022	0.0023	0.0024	0.0024	0.0025	0.0024
1hr - Maximum	0.0032	0.0038	0.0030	0.0030	0.0027	0.0028	0.0026
Standard 1hr - Average	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Standard 24 hrs - Average	0.12	0.12	0.12	0.12	0.12	0.12	0.12

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

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Approved by

Saranya C.

Saranya Chalermthamrong
Scientist (4)

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: 24124988
Date Received : Dec 23, 2024
Date Reported : Dec 26, 2024
Report Number: 3151846-1

Sample Description Air Quality
Location วัดมาบยางพร (A1) (GPS 47P 0732270, 1436522))
Date Analysis Commenced Dec 23, 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) *
24124988-1	Dec 15 - Dec 16, 2024	0.077	0.024	757*	29*
24124988-2	Dec 16 - Dec 17, 2024	0.078	0.032	757*	29*
24124988-3	Dec 17 - Dec 18, 2024	0.137	0.055	757*	29*
24124988-4	Dec 18 - Dec 19, 2024	0.091	0.040	757*	29*
24124988-5	Dec 19 - Dec 20, 2024	0.080	0.039	757*	28*
24124988-6	Dec 20 - Dec 21, 2024	0.093	0.045	757*	29*
24124988-7	Dec 21 - Dec 22, 2024	0.079	0.041	757*	28*
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 : Panuwat Wangbong

Remark :

- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.
- Result (s) and Analyte (s) marked * is/are not included in scope of Accreditation ISO/IEC 17025.

Approved by

Thanita Kulsuriwong
Scientist (4)

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

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: 24124988
Date Received : Dec 23, 2024
Date Reported : Dec 26, 2024
Report Number: 3151846-2

Sample Description Air Quality
Location บ้านวังตาผิน (A2) (GPS 47 P 735930, 1436154)
Date Analysis Commenced Dec 23, 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) *
24124988-8	Dec 15 - Dec 16, 2024	0.105	0.037	757*	29*
24124988-9	Dec 16 - Dec 17, 2024	0.093	0.042	757*	29*
24124988-10	Dec 17 - Dec 18, 2024	0.124	0.057	757*	29*
24124988-11	Dec 18 - Dec 19, 2024	0.112	0.050	757*	29*
24124988-12	Dec 19 - Dec 20, 2024	0.105	0.046	757*	28*
24124988-13	Dec 20 - Dec 21, 2024	0.136	0.063	757*	29*
24124988-14	Dec 21 - Dec 22, 2024	0.128	0.057	757*	28*
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 : Panuwat Wangbong

Remark :

- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.
- Result (s) and Analyte (s) marked * is/are not included in scope of Accreditation 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: 24124988
Date Received : Dec 23, 2024
Date Reported : Dec 26, 2024
Report Number: 3151846-3

Sample Description Air Quality
Location วัดประสิทธิ์ธาราม (A3) (GPS 47P 0731870, 1430333)
Date Analysis Commenced Dec 23, 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) *
24124988-15	Dec 15 - Dec 16, 2024	0.048	0.015	756*	32*
24124988-16	Dec 16 - Dec 17, 2024	0.062	0.032	757*	29*
24124988-17	Dec 17 - Dec 18, 2024	0.103	0.047	757*	29*
24124988-18	Dec 18 - Dec 19, 2024	0.084	0.037	757*	29*
24124988-19	Dec 19 - Dec 20, 2024	0.087	0.044	757*	28*
24124988-20	Dec 20 - Dec 21, 2024	0.119	0.052	757*	29*
24124988-21	Dec 21 - Dec 22, 2024	0.111	0.042	757*	28*
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 : Panuwat Wangbong

Remark :

- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.
- Result (s) and Analyte (s) marked * is/are not included in scope of Accreditation 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: 24124988
Date Received : Dec 23, 2024
Date Reported : Dec 26, 2024
Report Number: 3151846-4

Sample Description Air Quality
Location วัดวังประดู่ (A4) (GPS 47P 0736656, 1430554)
Date Analysis Commenced Dec 23, 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) *
24124988-22	Dec 15 - Dec 16, 2024	0.048	0.020	757*	29*
24124988-23	Dec 16 - Dec 17, 2024	0.042	0.024	757*	29*
24124988-24	Dec 17 - Dec 18, 2024	0.061	0.029	757*	29*
24124988-25	Dec 18 - Dec 19, 2024	0.047	0.021	757*	29*
24124988-26	Dec 19 - Dec 20, 2024	0.053	0.025	757*	28*
24124988-27	Dec 20 - Dec 21, 2024	0.073	0.039	757*	29*
24124988-28	Dec 21 - Dec 22, 2024	0.067	0.032	757*	28*
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 : Panuwat Wangbong

Remark :

- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.
- Result (s) and Analyte (s) marked * is/are not included in scope of Accreditation 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: 24124981
Date Received :Dec 23, 2024
Date Reported :Dec 25, 2024
Report Number :3151845-1

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

Sample Number 24124981-1 to 7
Parameter Wind Speed / Wind Direction
Location วัดวังประดู่ (A4) (GPS 47P 0736656, 1430554)
Sampling Date Dec 15 - Dec 22, 2024
Sampling by Panuwat Wangbong

Time	Dec 15 - Dec 16, 2024			Dec 16 - Dec 17, 2024			Dec 17 - Dec 18, 2024			Dec 18 - Dec 19, 2024			Dec 19 - Dec 20, 2024			Dec 20 - Dec 21, 2024			Dec 21 - Dec 22, 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)	
09:00 AM - 10:00 AM	1.9	39.0	NE	0.6	186.0	S	0.9	30.0	NNE	2.3	332.0	NNW	1.9	13.0	NNE	0.7	57.0	ENE	0.0	-	-
10:00 AM - 11:00 AM	1.2	353.0	N	2.0	329.0	NNW	0.7	329.0	NNW	0.9	47.0	NE	3.2	23.0	NNE	3.5	12.0	NNE	2.5	23.0	NNE
11:00 AM - 12:00 PM	1.2	29.0	NNE	3.9	359.0	N	1.4	61.0	ENE	1.1	35.0	NE	2.8	353.0	N	3.1	26.0	NNE	1.2	42.0	NE
12:00 PM - 01:00 PM	0.9	186.0	S	2.3	0.0	N	0.6	85.0	E	2.2	79.0	E	2.1	26.0	NNE	1.2	9.0	N	0.2	-	-
01:00 PM - 02:00 PM	1.8	34.0	NE	1.3	55.0	NE	0.9	88.0	E	2.5	40.0	NE	0.7	349.0	N	0.1	-	-	2.9	45.0	NE
02:00 PM - 03:00 PM	3.1	52.0	NE	1.7	351.0	N	2.1	83.0	E	1.4	326.0	NW	2.9	31.0	NNE	1.3	44.0	NE	0.8	73.0	ENE
03:00 PM - 04:00 PM	2.8	0.0	N	2.2	39.0	NE	0.8	47.0	NE	1.5	31.0	NNE	1.0	17.0	NNE	2.7	40.0	NE	0.0	-	-
04:00 PM - 05:00 PM	0.7	325.0	NW	1.1	13.0	NNE	0.5	353.0	N	3.0	49.0	NE	0.4	6.0	N	0.9	37.0	NE	2.8	63.0	ENE
05:00 PM - 06:00 PM	0.3	359.0	N	0.0	-	-	0.7	359.0	N	1.7	66.0	ENE	0.0	-	-	0.0	-	-	0.1	-	-
06:00 PM - 07:00 PM	0.0	-	-	1.1	355.0	N	0.0	-	-	0.5	37.0	NE	0.9	359.0	N	0.2	-	-	0.0	-	-
07:00 PM - 08:00 PM	1.8	37.0	NE	1.1	343.0	NNW	0.9	24.0	NNE	0.8	56.0	NE	0.6	0.0	N	0.5	353.0	N	0.0	-	-
08:00 PM - 09:00 PM	1.7	29.0	NNE	1.2	22.0	NNE	0.5	7.0	N	0.0	-	-	1.1	348.0	NNW	0.6	354.0	N	0.5	352.0	N
09:00 PM - 10:00 PM	2.4	354.0	N	1.4	329.0	NNW	0.0	-	-	0.2	-	-	0.8	342.0	NNW	0.4	340.0	NNW	0.1	-	-
10:00 PM - 11:00 PM	2.3	350.0	N	1.1	347.0	NNW	0.4	8.0	N	0.0	-	-	1.3	336.0	NNW	0.0	-	-	1.1	11.0	N
11:00 PM - 12:00 AM	3.2	0.0	N	1.0	359.0	N	0.1	-	-	0.2	-	-	0.3	309.0	NW	0.2	-	-	0.1	-	-
12:00 AM - 01:00 AM	0.8	359.0	N	0.5	113.0	ESE	1.0	32.0	NNE	1.6	24.0	NNE	0.9	352.0	N	0.1	-	-	0.4	20.0	NNE
01:00 AM - 02:00 AM	0.7	2.0	N	0.8	356.0	N	0.3	359.0	N	0.4	25.0	NNE	1.9	353.0	N	0.0	-	-	0.9	359.0	N
02:00 AM - 03:00 AM	1.6	36.0	NE	1.0	359.0	N	0.2	-	-	0.8	357.0	N	0.2	-	-	0.8	359.0	N	0.9	312.0	NW
03:00 AM - 04:00 AM	1.6	33.0	NNE	0.3	359.0	N	0.7	348.0	NNW	2.2	43.0	NE	0.5	357.0	N	0.0	-	-	0.4	18.0	NNE
04:00 AM - 05:00 AM	0.0	-	-	0.5	3.0	N	0.4	354.0	N	1.0	359.0	N	0.5	321.0	NW	0.0	-	-	0.0	-	-
05:00 AM - 06:00 AM	1.9	340.0	NNW	1.0	18.0	NNE	1.4	76.0	ENE	0.3	306.0	NW	0.9	331.0	NNW	0.9	0.0	N	0.6	281.0	W
06:00 AM - 07:00 AM	1.6	341.0	NNW	0.6	293.0	WNW	0.4	340.0	NNW	2.1	5.0	N	0.8	337.0	NNW	0.1	-	-	1.3	8.0	N
07:00 AM - 08:00 AM	3.3	1.0	N	0.5	304.0	NW	3.4	4.0	N	0.6	0.0	N	0.7	175.0	S	0.3	53.0	NE	1.1	5.0	N
08:00 AM - 09:00 AM	3.6	342.0	NNW	0.8	356.0	N	1.4	14.0	NNE	2.2	359.0	N	0.8	286.0	WNW	0.4	48.0	NE	0.9	357.0	N

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

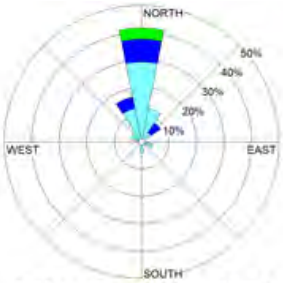
P/O : RJN(2)-018/66
Project Name : Pluak Daeng
Project Location :

Lot ID: 24124981
Date Received :Dec 23, 2024
Date Reported :Dec 25, 2024
Report Number :3151845-1

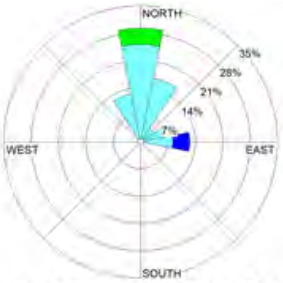
Wind Rose



Date : Dec 15-16, 2024



Date : Dec 16-17, 2024



Date : Dec 17-18, 2024



Date : Dec 18-19, 2024



Date : Dec 19-20, 2024



Date : Dec 20-21, 2024



Date : Dec 21-22, 2024



Date : Dec 15-22, 2024

WS (m/s)		%
	≥ 10.0	0.00
	8.0-10.0	0.00
	5.5-8.0	0.00
	3.3-5.5	2.98
	1.7-3.3	20.24
	0.3-1.7	57.74
	Calms	19.05

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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: 2470887
Date Received : Jul 01, 2024
Date Reported : Jul 08, 2024
Report Number : 3048627-1

Sample Number	2470887-1
Sampled Date	Jul 01, 2024 12:10 PM
Sample Description	Wastewater
Location	Collecting Tank
Date Analysis Commenced	Jul 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	16.2	≤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	69	≤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	20	≤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	19	≤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		-	-	7.8	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	<0.01	≤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

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: WWTP

Lot ID: 2470887
Date Received : Jul 01, 2024
Date Reported : Jul 08, 2024
Report Number : 3048627-1

Sample Number	2470887-1
Sampled Date	Jul 01, 2024 12:10 PM
Sample Description	Wastewater
Location	Collecting Tank
Date Analysis Commenced	Jul 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	<0.5	≤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	-	-	33.6	≤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	596	≤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	28.9	≤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	≤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 , 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.

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: 2470887
Date Received : Jul 01, 2024
Date Reported : Jul 08, 2024
Report Number : 3048627-2

Sample Number	2470887-1
Sampled Date	Jul 01, 2024 12:10 PM
Sample Description	Wastewater
Location	Collecting Tank
Date Analysis Commenced	Jul 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	0.001	≤0.25	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Barium	mg/L	0.0003	0.0005	0.29	≤1.00	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Cadmium	mg/L	0.0003	0.0005	Not Detected	≤0.03	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Copper	mg/L	0.0003	0.0005	0.01	≤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	0.002	≤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	0.10	≤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	<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
Assistant General 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: 2470887
Date Received : Jul 01, 2024
Date Reported : Jul 08, 2024
Report Number : 3048627-2

Sample Number	2470887-1
Sampled Date	Jul 01, 2024 12:10 PM
Sample Description	Wastewater
Location	Collecting Tank
Date Analysis Commenced	Jul 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	0.67	≤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	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 : Narunat thammasaro ทะเบียนเลขที ว-323-จ-9477 , 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.

Technical Management

Sawitree Noisangiam
Manager
ทะเบียนเลขที ว-204-จ-0007

Approved by

Kanokkorn Anek
Assistant General 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.
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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: 2470887
Date Received : Jul 01, 2024
Date Reported : Jul 08, 2024
Report Number : 3048627-3

Sample Number	2470887-1
Sampled Date	Jul 01, 2024 12:10 PM
Sample Description	Wastewater
Location	Collecting Tank
Date Analysis Commenced	Jul 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							
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
Iron	mg/L	0.003	0.005	2.11	≤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	0.001	≤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	-	-	490000.0	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 E	Bangkok
Total Coliform	MPN/100mL	-	-	790000.0	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	0.05	0.1	21.5	No Standard	In-house method based on 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	145	≤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	3.6	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-F (D)	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: 2470887
Date Received : Jul 01, 2024
Date Reported : Jul 08, 2024
Report Number : 3048627-3

Sample Number	2470887-1
Sampled Date	Jul 01, 2024 12:10 PM
Sample Description	Wastewater
Location	Collecting Tank
Date Analysis Commenced	Jul 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
Water Testing							
Nitrate as N *	mg/L	0.015	0.05	0.94	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 , 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.
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Approved by

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: 2470887
Date Received : Jul 01, 2024
Date Reported : Jul 08, 2024
Report Number : 3048628-1

Sample Number	2470887-2
Sampled Date	Jul 01, 2024 12:40 PM
Sample Description	Wastewater
Location	Holding Pond
Date Analysis Commenced	Jul 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	<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	26	≤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	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	0.2	≤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: 2470887
Date Received : Jul 01, 2024
Date Reported : Jul 08, 2024
Report Number : 3048628-1

Sample Number	2470887-2
Sampled Date	Jul 01, 2024 12:40 PM
Sample Description	Wastewater
Location	Holding Pond
Date Analysis Commenced	Jul 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	≤1.0	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	-	-	32.6	≤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	940	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Rayong
Total Kjeldahl Nitrogen as N	mg/L	-	1.0	6.1	≤100	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Norg (C), part NH3 (D)	Rayong
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	8	≤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 ทะเบียนเลขที่ ว-323-จ-9477 , Pattarapol Sawangjaitam ทะเบียนเลขที่ ว-204-จ-0002

Remark :
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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: 2470887
Date Received : Jul 01, 2024
Date Reported : Jul 08, 2024
Report Number : 3048628-2

Sample Number	2470887-2
Sampled Date	Jul 01, 2024 12:40 PM
Sample Description	Wastewater
Location	Holding Pond
Date Analysis Commenced	Jul 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	0.001	≤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	≤1.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Cadmium	mg/L	0.0003	0.0005	Not Detected	≤0.03	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Copper	mg/L	0.0003	0.0005	0.003	≤2.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Hexavalent Chromium	mg/L	0.003	0.01	Not Detected	≤0.25	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3500-Cr B	Bangkok
Lead	mg/L	0.0003	0.0005	Not Detected	≤0.2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Manganese	mg/L	0.0003	0.0005	0.12	≤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
Assistant General 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: 2470887
Date Received : Jul 01, 2024
Date Reported : Jul 08, 2024
Report Number : 3048628-2

Sample Number	2470887-2
Sampled Date	Jul 01, 2024 12:40 PM
Sample Description	Wastewater
Location	Holding Pond
Date Analysis Commenced	Jul 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	0.56	≤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	0.47	≤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 , 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
Assistant General 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: 2470887
Date Received : Jul 01, 2024
Date Reported : Jul 08, 2024
Report Number : 3048628-3

Sample Number	2470887-2
Sampled Date	Jul 01, 2024 12:40 PM
Sample Description	Wastewater
Location	Holding Pond
Date Analysis Commenced	Jul 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							
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
Iron	mg/L	0.003	0.005	0.17	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	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							
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
Total Coliform	MPN/100mL	-	-	490.0	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B	Bangkok
Water Testing							
Ammonia Nitrogen *	mg/L	0.05	0.1	0.3	No Standard	In-house method based on 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	162	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Cl (D)	Rayong
Dissolved Oxygen *	mg/L	-	0.1	8.1	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

Sithichok Thongnguen
Scientist (3)

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: 2470887
Date Received : Jul 01, 2024
Date Reported : Jul 08, 2024
Report Number : 3048628-3

Sample Number	2470887-2
Sampled Date	Jul 01, 2024 12:40 PM
Sample Description	Wastewater
Location	Holding Pond
Date Analysis Commenced	Jul 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
Water Testing							
Fluoride as F *	mg/L	0.06	0.2	3.6	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 : Narunat thammasaro , Pattarapol Sawangjaitam

Remark :
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Sithichok Thongnguen
Scientist (3)

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 (โรงจนะปลวกแดง/ระยอง2)
Project Location : WWTP

Lot ID: 2470887
Date Received : Jul 01, 2024
Date Reported : Jul 08, 2024
Report Number : 3048629-1

Sample Number	2470887-3
Sampled Date	Jul 01, 2024 12:20 PM
Sample Description	Wastewater
Location	Aeration Tank
Date Analysis Commenced	Jul 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	Method	Testing Location
Water Testing						
Mixed Liqour Suspended Solids	mg/L	-	5	1280	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	62	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2170 D	Rayong
SV30	mL/L	-	2	80	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 , Pattarapol Sawangjaitam

Remark :
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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: 2486684
Date Received : Aug 02, 2024
Date Reported : Aug 09, 2024
Report Number : 3078970-1

Sample Number	2486684-1
Sampled Date	Aug 02, 2024 10:56 AM
Sample Description	Wastewater
Location	Collecting Tank
Date Analysis Commenced	Aug 02, 2024
Condition of Sample	Contained in two glass vials, one amber glass bottle and nine plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	33.3	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	156	≤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	29	≤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	0.7	≤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	0.04	≤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: 2486684
Date Received : Aug 02, 2024
Date Reported : Aug 09, 2024
Report Number : 3078970-1

Sample Number	2486684-1
Sampled Date	Aug 02, 2024 10:56 AM
Sample Description	Wastewater
Location	Collecting Tank
Date Analysis Commenced	Aug 02, 2024
Condition of Sample	Contained in two glass vials, one amber glass bottle and nine 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	0.7	≤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	-	-	32.9	≤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	764	≤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	28.4	≤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	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 , Samart Khumphlee ทะเบียนเลขที่ ว-204-จ-0084

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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: 2486684
Date Received : Aug 02, 2024
Date Reported : Aug 09, 2024
Report Number : 3078970-2

Sample Number	2486684-1
Sampled Date	Aug 02, 2024 10:56 AM
Sample Description	Wastewater
Location	Collecting Tank
Date Analysis Commenced	Aug 05, 2024
Condition of Sample	Contained in two glass vials, one amber glass bottle and nine 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	0.45	≤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	0.0006	≤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	0.003	≤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	0.18	≤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
Chanattagarn Imchom
Section Head
ทะเบียนเลขที่ ว-204-จ-0008

Approved by
Kanokkorn Anek
Assistant General 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: 2486684
Date Received : Aug 02, 2024
Date Reported : Aug 09, 2024
Report Number : 3078970-2

Sample Number	2486684-1
Sampled Date	Aug 02, 2024 10:56 AM
Sample Description	Wastewater
Location	Collecting Tank
Date Analysis Commenced	Aug 05, 2024
Condition of Sample	Contained in two glass vials, one amber glass bottle and nine 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	0.79	≤1.00	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Selenium	mg/L	0.0003	0.0005	Not Detected	≤0.02	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Silver	mg/L	0.0003	0.0005	0.0008	≤1.00	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Trivalent Chromium *	mg/L	-	0.01	<0.01	≤0.75	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Zinc	mg/L	0.003	0.005	0.54	≤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	12	≤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)
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Technical Management

Chanattagarn Imchom
Section Head
ทะเบียนเลขที่ ว-204-จ-0008

Approved by

Kanokkorn Anek
Assistant General 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: 2486684
Date Received : Aug 02, 2024
Date Reported : Aug 09, 2024
Report Number : 3078970-2

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

Technical Management

Chanattagarn Imchom
Section Head
ทะเบียนเลขที่ ว-204-จ-0008

Approved by

Kanokkorn Anek
Assistant General 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: 2486684
Date Received : Aug 02, 2024
Date Reported : Aug 09, 2024
Report Number : 3078970-3

Sample Number	2486684-1
Sampled Date	Aug 02, 2024 10:56 AM
Sample Description	Wastewater
Location	Collecting Tank
Date Analysis Commenced	Aug 02, 2024
Condition of Sample	Contained in two glass vials, one amber glass bottle and nine 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	2.30	≤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							
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
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	0.05	0.1	21.7	No Standard	In-house method based on 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	183	≤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	4.1	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	0.26	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

Chanattagarn Imchom
Section Head

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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: 2486684
Date Received : Aug 02, 2024
Date Reported : Aug 09, 2024
Report Number : 3078970-3

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 :
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- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
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Chanattagarn Imchom
Section Head

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: 2486684
Date Received : Aug 02, 2024
Date Reported : Aug 09, 2024
Report Number : 3078971-1

Sample Number	2486684-2
Sampled Date	Aug 02, 2024 11:11 AM
Sample Description	Wastewater
Location	Holding Pond
Date Analysis Commenced	Aug 02, 2024
Condition of Sample	Contained in two glass vials, one amber glass bottle and nine 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	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	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	0.3	≤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	<0.010	≤1.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5530 D	Rayong

Technical Management

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.

ADDRESS 616/10 Moo 5 T. Maenam Khu A. Pluakdaeng Rayong 21140 Thailand | PHONE +66 0 3304 8555 | FAX +66 0 3304 8556
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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: 2486684
Date Received : Aug 02, 2024
Date Reported : Aug 09, 2024
Report Number : 3078971-1

Sample Number	2486684-2
Sampled Date	Aug 02, 2024 11:11 AM
Sample Description	Wastewater
Location	Holding Pond
Date Analysis Commenced	Aug 02, 2024
Condition of Sample	Contained in two glass vials, one amber glass bottle and nine 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	-	-	31.7	≤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	804	≤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	12	≤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 :
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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: 2486684
Date Received : Aug 02, 2024
Date Reported : Aug 09, 2024
Report Number : 3078971-2

Sample Number	2486684-2
Sampled Date	Aug 02, 2024 11:11 AM
Sample Description	Wastewater
Location	Holding Pond
Date Analysis Commenced	Aug 05, 2024
Condition of Sample	Contained in two glass vials, one amber glass bottle and nine 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	0.17	≤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	0.004	≤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	0.0007	≤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	0.13	≤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
Chanattagarn Imchom
Section Head
ทะเบียนเลขที่ ว-204-จ-0008

Approved by
Kanokkorn Anek
Assistant General 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: 2486684
Date Received : Aug 02, 2024
Date Reported : Aug 09, 2024
Report Number : 3078971-2

Sample Number	2486684-2
Sampled Date	Aug 02, 2024 11:11 AM
Sample Description	Wastewater
Location	Holding Pond
Date Analysis Commenced	Aug 05, 2024
Condition of Sample	Contained in two glass vials, one amber glass bottle and nine 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	0.43	≤1.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Selenium	mg/L	0.0003	0.0005	Not Detected	≤0.02	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Silver	mg/L	0.0003	0.0005	Not Detected	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Trivalent Chromium *	mg/L	-	0.01	<0.01	≤0.75	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Zinc	mg/L	0.003	0.005	0.42	≤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 , Samart Khumphlee ทะเบียนเลขที่ ว-204-จ-0084

Remark :
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Technical Management
Chanattagarn Imchom
Section Head
ทะเบียนเลขที่ ว-204-จ-0008

Approved by
Kanokkorn Anek
Assistant General 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: 2486684
Date Received : Aug 02, 2024
Date Reported : Aug 09, 2024
Report Number : 3078971-2

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

Technical Management

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

Lot ID: 2486684
Date Received : Aug 02, 2024
Date Reported : Aug 09, 2024
Report Number : 3078971-3

Sample Number	2486684-2
Sampled Date	Aug 02, 2024 11:11 AM
Sample Description	Wastewater
Location	Holding Pond
Date Analysis Commenced	Aug 02, 2024
Condition of Sample	Contained in two glass vials, one amber glass bottle and nine 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
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							
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
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	0.05	0.1	0.5	No Standard	In-house method based on 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	143	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Cl (D)	Rayong
Dissolved Oxygen *	mg/L	-	0.1	8.2	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-O (C)	Rayong
Fluoride as F *	mg/L	0.06	0.2	3.2	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-F (D)	Rayong

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Chanattagarn Imchom
Section Head

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: 2486684
Date Received : Aug 02, 2024
Date Reported : Aug 09, 2024
Report Number : 3078971-3

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 :
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- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
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Chanattagarn Imchom
Section Head

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: 2486684
Date Received : Aug 02, 2024
Date Reported : Aug 09, 2024
Report Number : 3078972-1

Sample Number	2486684-3
Sampled Date	Aug 02, 2024 11:05 AM
Sample Description	Wastewater
Location	Aeration Tank
Date Analysis Commenced	Aug 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	792	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	73	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2170 D	Rayong
SV30	mL/L	-	2	58	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

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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: 2498588
Date Received : Sep 02, 2024
Date Reported : Sep 09, 2024
Report Number : 3105284-1

Sample Number	2498588-1
Sampled Date	Sep 02, 2024 10:30 AM
Sample Description	Wastewater
Location	Collecting Tank
Date Analysis Commenced	Sep 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
Water Testing							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	12.9	≤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	122	≤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	10	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2120 F	Rayong
Color (at pH 7.0)	ADMI	-	5	9	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2120 F	Rayong
Cyanide as CN	mg/L	0.001	0.005	<0.005	≤0.2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-CN (C, E)	Rayong
Formaldehyde	mg/L	0.03	0.1	2.9	≤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	0.04	≤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-0028

Approved by

Dej Changchon
Senior Manager
ทะเบียนเลขที่ ว-323-ค-0001

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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: 2498588
Date Received : Sep 02, 2024
Date Reported : Sep 09, 2024
Report Number : 3105284-1

Sample Number	2498588-1
Sampled Date	Sep 02, 2024 10:30 AM
Sample Description	Wastewater
Location	Collecting Tank
Date Analysis Commenced	Sep 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
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	-	-	29.9	≤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	252	≤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	18.9	≤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	90	≤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 : Ekkachai Tuntong ทะเบียนเลขที ว-323-จ-0022 , Kardbundit Kitisupavanit ทะเบียนเลขที ว-204-จ-0001

Remark :
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Technical Management

Photchana Seeda
Scientist (4)
ทะเบียนเลขที่ ว-323-จ-0028

Approved by

Dej Changchon
Senior Manager
ทะเบียนเลขที่ ว-323-ค-0001

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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: 2498588
Date Received : Sep 02, 2024
Date Reported : Sep 09, 2024
Report Number : 3105284-2

Sample Number	2498588-1
Sampled Date	Sep 02, 2024 10:30 AM
Sample Description	Wastewater
Location	Collecting Tank
Date Analysis Commenced	Sep 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
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	≤1.00	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	<0.0005	≤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	0.003	≤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
Assistant General 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: 2498588
Date Received : Sep 02, 2024
Date Reported : Sep 09, 2024
Report Number : 3105284-2

Sample Number	2498588-1
Sampled Date	Sep 02, 2024 10:30 AM
Sample Description	Wastewater
Location	Collecting Tank
Date Analysis Commenced	Sep 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
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	0.30	≤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	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 : Ekkachai Tuntong ทะเบียนเลขที ว-323-จ-0022 , Kardbundit Kitisupavanit ทะเบียนเลขที ว-204-จ-0001

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Technical Management

Sawitree Noisangiam
Manager
ทะเบียนเลขที ว-204-จ-0007

Approved by

Kanokkorn Anek
Assistant General Manager
ทะเบียนเลขที 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: 2498588
Date Received : Sep 02, 2024
Date Reported : Sep 09, 2024
Report Number : 3105284-3

Sample Number	2498588-1
Sampled Date	Sep 02, 2024 10:30 AM
Sample Description	Wastewater
Location	Collecting Tank
Date Analysis Commenced	Sep 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							
Aluminium	mg/L	0.003	0.005	5.91	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Iron	mg/L	0.003	0.005	1.99	≤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	0.003	≤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	-	-	130000.0	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	-	-	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	0.05	0.1	12.0	No Standard	In-house method based on 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	90	≤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	1.0	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-F (D)	Rayong

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Suwannee Chuamkeaw
Section Head

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: 2498588
Date Received : Sep 02, 2024
Date Reported : Sep 09, 2024
Report Number : 3105284-3

Sample Number	2498588-1
Sampled Date	Sep 02, 2024 10:30 AM
Sample Description	Wastewater
Location	Collecting Tank
Date Analysis Commenced	Sep 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
Water Testing							
Nitrate as N *	mg/L	0.015	0.05	0.20	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 : Ekkachai Tuntong , Kardbundit Kitisupavanit

Remark :
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Suwannee Chuamkeaw
Section Head

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: 2498588
Date Received : Sep 02, 2024
Date Reported : Sep 09, 2024
Report Number : 3105285-1

Sample Number	2498588-2
Sampled Date	Sep 02, 2024 10:50 AM
Sample Description	Wastewater
Location	Holding Pond
Date Analysis Commenced	Sep 02, 2024
Condition of Sample	Contained in two BOD bottles, one amber glass bottle, two glass vials 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	12.9	≤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	52	≤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	19	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2120 F	Rayong
Cyanide as CN	mg/L	0.001	0.005	<0.005	≤0.2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-CN (C, E)	Rayong
Formaldehyde	mg/L	0.03	0.1	3.7	≤1.0	Wastewater analysis manual, Environmental Engineering Association of Thailand, 4th ed.,2004	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
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

Photchana Seeda
Scientist (4)
ทะเบียนเลขที่ ว-323-จ-0028

Approved by

Dej Changchon
Senior Manager
ทะเบียนเลขที่ ว-323-ค-0001

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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: 2498588
Date Received : Sep 02, 2024
Date Reported : Sep 09, 2024
Report Number : 3105285-1

Sample Number	2498588-2
Sampled Date	Sep 02, 2024 10:50 AM
Sample Description	Wastewater
Location	Holding Pond
Date Analysis Commenced	Sep 02, 2024
Condition of Sample	Contained in two BOD bottles, one amber glass bottle, two glass vials 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							
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	-	-	31.5	≤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	876	≤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	3.9	≤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	28	≤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 : Ekkachai Tuntong ทะเบียนเลขที่ ว-323-จ-0022 , Kardbundit Kitisupavanit ทะเบียนเลขที่ ว-204-จ-0001

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
Photchana Seeda
Scientist (4)
ทะเบียนเลขที่ ว-323-จ-0028

Approved by
Dej Changchon
Senior Manager
ทะเบียนเลขที่ ว-323-ค-0001

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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: 2498588
Date Received : Sep 02, 2024
Date Reported : Sep 09, 2024
Report Number : 3105285-2

Sample Number	2498588-2
Sampled Date	Sep 02, 2024 10:50 AM
Sample Description	Wastewater
Location	Holding Pond
Date Analysis Commenced	Sep 03, 2024
Condition of Sample	Contained in two BOD bottles, one amber glass bottle, two glass vials and three 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	0.23	≤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	0.001	≤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	0.14	≤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
Assistant General 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: 2498588
Date Received : Sep 02, 2024
Date Reported : Sep 09, 2024
Report Number : 3105285-2

Sample Number	2498588-2
Sampled Date	Sep 02, 2024 10:50 AM
Sample Description	Wastewater
Location	Holding Pond
Date Analysis Commenced	Sep 03, 2024
Condition of Sample	Contained in two BOD bottles, one amber glass bottle, two glass vials and three 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	≤1.0	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	0.37	≤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 : Ekkachai Tuntong ทะเบียนเลขที่ ว-323-จ-0022 , Kardbundit Kitisupavanit ทะเบียนเลขที่ ว-204-จ-0001

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

Approved by
Kanokkorn Anek
Assistant General 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: 2498588
Date Received : Sep 02, 2024
Date Reported : Sep 09, 2024
Report Number : 3105285-3

Sample Number	2498588-2
Sampled Date	Sep 02, 2024 10:50 AM
Sample Description	Wastewater
Location	Holding Pond
Date Analysis Commenced	Sep 02, 2024
Condition of Sample	Contained in two BOD bottles, one amber glass bottle, two glass vials and three 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	0.12	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
Iron	mg/L	0.003	0.005	0.53	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	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							
Fecal Coliform	MPN/100mL	-	-	490.0	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B, E	Bangkok
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	0.05	0.1	0.5	No Standard	In-house method based on 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	215	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Cl (D)	Rayong
Dissolved Oxygen *	mg/L	-	0.1	6.9	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-O (C)	Rayong

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Approved by

Suwannee Chuamkeaw
Section Head

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: 2498588
Date Received : Sep 02, 2024
Date Reported : Sep 09, 2024
Report Number : 3105285-3

Sample Number	2498588-2
Sampled Date	Sep 02, 2024 10:50 AM
Sample Description	Wastewater
Location	Holding Pond
Date Analysis Commenced	Sep 02, 2024
Condition of Sample	Contained in two BOD bottles, one amber glass bottle, two glass vials 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							
Fluoride as F *	mg/L	0.06	0.2	2.3	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 : Ekkachai Tuntong , Kardbundit Kitisupavanit

Remark :
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Approved by

Suwannee Chuamkeaw
Section Head

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: 2498588
Date Received : Sep 02, 2024
Date Reported : Sep 09, 2024
Report Number : 3105286-1

Sample Number	2498588-3
Sampled Date	Sep 02, 2024 10:40 AM
Sample Description	Wastewater
Location	Aeration Tank
Date Analysis Commenced	Sep 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	316	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	63	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2170 D	Rayong
SV30	mL/L	-	2	20	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 : Ekkachai Tuntong , Kardbundit Kitisupavanit

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Approved by

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: 24109426
Date Received : Oct 01, 2024
Date Reported : Oct 07, 2024
Report Number : 3131538-1

Sample Number	24109426-1
Sampled Date	Oct 01, 2024 1:45 PM
Sample Description	Wastewater
Location	Collecting Tank
Date Analysis Commenced	Oct 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	25.3	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	117	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5220 D	Rayong
Color (at Original pH)	ADMI	-	5	23	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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, 24th ed., 2023, 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, 24th ed., 2023, part 4500-CN (C, E)	Rayong
Formaldehyde	mg/L	0.03	0.1	0.7	≤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, 24th ed., 2023, part 4500 - H (B)	Rayong
Phenol	mg/L	0.005	0.01	0.02	≤1	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5530 D	Rayong

Technical Management

Photchana Seeda
Scientist (4)
ทะเบียนเลขที่ ว-323-จ-0028

Approved by

Dej Changchon
Senior Manager
ทะเบียนเลขที่ ว-323-ค-0001

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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: 24109426
Date Received : Oct 01, 2024
Date Reported : Oct 07, 2024
Report Number : 3131538-1

Sample Number	24109426-1
Sampled Date	Oct 01, 2024 1:45 PM
Sample Description	Wastewater
Location	Collecting Tank
Date Analysis Commenced	Oct 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, 24th ed., 2023, 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, 24th ed., 2023, part 4500-S2 (C, F)	Rayong
Temperature *	Degree C	-	-	32.1	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2550 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, 24th ed., 2023, part 2540 C	Rayong
Total Kjeldahl Nitrogen as N	mg/L	-	1.0	22.4	≤100	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-Norg (C), part NH3 (D)	Rayong
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	87	≤200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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 : Phongthep Sitthiloh ทะเบียนเลขที่ ว-323-จ-0023 , Samart Khumphlee ทะเบียนเลขที่ ว-204-จ-0084

Remark :
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Technical Management

Photchana Seeda
Scientist (4)
ทะเบียนเลขที่ ว-323-จ-0028

Approved by

Dej Changchon
Senior Manager
ทะเบียนเลขที่ ว-323-ค-0001

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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: 24109426
Date Received : Oct 01, 2024
Date Reported : Oct 08, 2024
Report Number : 3131538-2

Sample Number	24109426-1
Sampled Date	Oct 01, 2024 1:45 PM
Sample Description	Wastewater
Location	Collecting Tank
Date Analysis Commenced	Oct 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, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Barium	mg/L	0.0003	0.0005	0.31	≤1.00	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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, 24th ed., 2023, 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, 24th ed., 2023, 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, 24th ed., 2023, part 3500-Cr B	Bangkok
Lead	mg/L	0.0003	0.0005	0.004	≤0.20	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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, 24th ed., 2023, 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, 24th ed., 2023, part 3112	Bangkok

Technical Management
Chanattagarn Imchom
Section Head
ทะเบียนเลขที่ ว-204-จ-0008

Approved by
Kanokkorn Anek
Assistant General 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: 24109426
Date Received : Oct 01, 2024
Date Reported : Oct 08, 2024
Report Number : 3131538-2

Sample Number	24109426-1
Sampled Date	Oct 01, 2024 1:45 PM
Sample Description	Wastewater
Location	Collecting Tank
Date Analysis Commenced	Oct 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	0.27	≤1.00	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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, 24th ed., 2023, 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, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Zinc	mg/L	0.003	0.005	0.35	≤5.00	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Water Testing							
Oil & Grease *	mg/L	-	3	175	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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 : Phongthep Sitthiloh ทะเบียนเลขที่ ว-323-จ-0023 , 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

Chanattagarn Imchom
Section Head
ทะเบียนเลขที่ ว-204-จ-0008

Approved by

Kanokkorn Anek
Assistant General 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: 24109426
Date Received : Oct 01, 2024
Date Reported : Oct 08, 2024
Report Number : 3131538-3

Sample Number	24109426-1
Sampled Date	Oct 01, 2024 1:45 PM
Sample Description	Wastewater
Location	Collecting Tank
Date Analysis Commenced	Oct 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
Metals Testing							
Aluminium	mg/L	0.003	0.005	1.59	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Iron	mg/L	0.003	0.005	1.23	≤10.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Silver	mg/L	0.0003	0.0005	0.001	≤1.00	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Microbiological Testing							
Fecal Coliform	MPN/100mL	-	-	490000.0	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 9221 B, E	Bangkok
Total Coliform	MPN/100mL	-	-	790000.0	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 9221 B	Bangkok
Water Testing							
Ammonia Nitrogen *	mg/L	0.05	0.1	19.6	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-NH3 (D)	Rayong
Chloride as Cl *	mg/L	0.5	1	142	≤2000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-Cl (D)	Rayong
Fluoride as F *	mg/L	0.06	0.2	1.8	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-F (D)	Rayong

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Approved by

Chanattagarn Imchom
Section Head

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: 24109426
Date Received : Oct 01, 2024
Date Reported : Oct 08, 2024
Report Number : 3131538-3

Sample Number	24109426-1
Sampled Date	Oct 01, 2024 1:45 PM
Sample Description	Wastewater
Location	Collecting Tank
Date Analysis Commenced	Oct 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							
Nitrate as N *	mg/L	0.015	0.05	0.21	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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 : Phongthep Sitthiloh , Samart Khumphlee

Remark :
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Chanattagarn Imchom
Section Head

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: 24109426
Date Received : Oct 01, 2024
Date Reported : Oct 07, 2024
Report Number : 3131539-1

Sample Number	24109426-2
Sampled Date	Oct 01, 2024 2:00 PM
Sample Description	Wastewater
Location	Holding Pond
Date Analysis Commenced	Oct 01, 2024
Condition of Sample	Contained in two glass vials, one amber glass bottle, two BOD bottles 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, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	29	≤120	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5220 D	Rayong
Color (at Original pH)	ADMI	-	5	17	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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, 24th ed., 2023, 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, 24th ed., 2023, part 4500-CN (C, E)	Rayong
Formaldehyde	mg/L	0.03	0.1	0.5	≤1.0	Wastewater analysis manual, Environmental Engineering Association of Thailand, 4th ed.,2004	Rayong
pH at 25 degree C		-	-	7.8	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong
Phenol	mg/L	0.005	0.01	<0.010	≤1.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5530 D	Rayong

Technical Management
Photchana Seeda
Scientist (4)
ทะเบียนเลขที่ ว-323-จ-0028

Approved by
Dej Changchon
Senior Manager
ทะเบียนเลขที่ ว-323-ค-0001

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: 24109426
Date Received : Oct 01, 2024
Date Reported : Oct 07, 2024
Report Number : 3131539-1

Sample Number	24109426-2
Sampled Date	Oct 01, 2024 2:00 PM
Sample Description	Wastewater
Location	Holding Pond
Date Analysis Commenced	Oct 01, 2024
Condition of Sample	Contained in two glass vials, one amber glass bottle, two BOD bottles 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, 24th ed., 2023, 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, 24th ed., 2023, part 4500-S2 (C, F)	Rayong
Temperature *	Degree C	-	-	32.6	≤40	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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, 24th ed., 2023, 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, 24th ed., 2023, part 4500-Norg (C), part NH3 (D)	Rayong
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	15	≤50	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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 : Phongthep Sitthiloh ทะเบียนเลขที่ ว-323-จ-0023 , Samart Khumphlee ทะเบียนเลขที่ ว-204-จ-0084

Remark :
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Technical Management



Photchana Seeda
Scientist (4)
ทะเบียนเลขที่ ว-323-จ-0028

Approved by



Dej Changchon
Senior Manager
ทะเบียนเลขที่ ว-323-ค-0001

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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: 24109426
Date Received : Oct 01, 2024
Date Reported : Oct 08, 2024
Report Number : 3131539-2

Sample Number	24109426-2
Sampled Date	Oct 01, 2024 2:00 PM
Sample Description	Wastewater
Location	Holding Pond
Date Analysis Commenced	Oct 02, 2024
Condition of Sample	Contained in two glass vials, one amber glass bottle, two BOD bottles 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, 24th ed., 2023, 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, 24th ed., 2023, 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, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Copper	mg/L	0.0003	0.0005	0.009	≤2.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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, 24th ed., 2023, 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, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Manganese	mg/L	0.0003	0.0005	0.14	≤5.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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, 24th ed., 2023, part 3112	Bangkok

Technical Management
Chanattagarn Imchom
Section Head
ทะเบียนเลขที่ ว-204-จ-0008

Approved by
Kanokkorn Anek
Assistant General 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: 24109426
Date Received : Oct 01, 2024
Date Reported : Oct 08, 2024
Report Number : 3131539-2

Sample Number	24109426-2
Sampled Date	Oct 01, 2024 2:00 PM
Sample Description	Wastewater
Location	Holding Pond
Date Analysis Commenced	Oct 02, 2024
Condition of Sample	Contained in two glass vials, one amber glass bottle, two BOD bottles 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, 24th ed., 2023, 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, 24th ed., 2023, 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, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Zinc	mg/L	0.003	0.005	0.46	≤5.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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, 24th ed., 2023, 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 : Phongthep Sitthiloh ทะเบียนเลขที่ ว-323-จ-0023 , Samart Khumphlee ทะเบียนเลขที่ ว-204-จ-0084

Remark :
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Technical Management
Chanattagarn Imchom
Section Head
ทะเบียนเลขที่ ว-204-จ-0008

Approved by
Kanokkorn Anek
Assistant General 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: 24109426
Date Received : Oct 01, 2024
Date Reported : Oct 08, 2024
Report Number : 3131539-3

Sample Number	24109426-2
Sampled Date	Oct 01, 2024 2:00 PM
Sample Description	Wastewater
Location	Holding Pond
Date Analysis Commenced	Oct 01, 2024
Condition of Sample	Contained in two glass vials, one amber glass bottle, two BOD bottles 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	0.53	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Iron	mg/L	0.003	0.005	0.52	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Silver	mg/L	0.0003	0.0005	<0.0005	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Microbiological Testing							
Fecal Coliform	MPN/100mL	-	-	2200.0	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 9221 B, E	Bangkok
Total Coliform	MPN/100mL	-	-	28000.0	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 9221 B	Bangkok
Water Testing							
Ammonia Nitrogen *	mg/L	0.05	0.1	0.5	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-NH3 (D)	Rayong
Chloride as Cl *	mg/L	0.5	1	169	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-Cl (D)	Rayong
Dissolved Oxygen *	mg/L	-	0.1	5.8	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (C)	Rayong

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Chanattagarn Imchom
Section Head

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: 24109426
Date Received : Oct 01, 2024
Date Reported : Oct 08, 2024
Report Number : 3131539-3

Sample Number	24109426-2
Sampled Date	Oct 01, 2024 2:00 PM
Sample Description	Wastewater
Location	Holding Pond
Date Analysis Commenced	Oct 01, 2024
Condition of Sample	Contained in two glass vials, one amber glass bottle, two BOD bottles 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 as F *	mg/L	0.06	0.2	2.4	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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 : Phongthep Sitthiloh , Samart Khumphlee

Remark :
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Chanattagarn Imchom
Section Head

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: 24109426
Date Received : Oct 01, 2024
Date Reported : Oct 07, 2024
Report Number : 3131540-1

Sample Number	24109426-3
Sampled Date	Oct 01, 2024 1:55 PM
Sample Description	Wastewater
Location	Aeration Tank
Date Analysis Commenced	Oct 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	1158	In-house method based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Rayong
Sludge Volume Index	mL/g	-	5	78	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2170 D	Rayong
SV30	mL/L	-	2	90	In-house method based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2170 C	Rayong

Sampling By : Phongthep Sitthiloh , Samart Khumphlee

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

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Approved by



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: 24124482
Date Received : Nov 01, 2024
Date Reported : Nov 08, 2024
Report Number : 3159251-1

Sample Number	24124482-1
Sampled Date	Nov 01, 2024 1:24 PM
Sample Description	Wastewater
Location	Collecting Tank
Date Analysis Commenced	Nov 01, 2024
Condition of Sample	Contained in two BOD bottles, 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	27.4	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	86	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5220 D	Rayong
Color (at Original pH)	ADMI	-	5	25	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2120 F	Rayong
Color (at pH 7.0)	ADMI	-	5	21	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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, 24th ed., 2023, 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, 24th ed., 2023, part 4500 - H (B)	Rayong
Phenol	mg/L	0.005	0.01	0.02	≤1	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5530 D	Rayong

Technical Management

Photchana Seeda
Scientist (4)
ทะเบียนเลขที่ ว-323-จ-0028

Approved by

Dej Changchon
Senior Manager
ทะเบียนเลขที่ ว-323-ค-0001

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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: 24124482
Date Received : Nov 01, 2024
Date Reported : Nov 08, 2024
Report Number : 3159251-1

Sample Number	24124482-1
Sampled Date	Nov 01, 2024 1:24 PM
Sample Description	Wastewater
Location	Collecting Tank
Date Analysis Commenced	Nov 01, 2024
Condition of Sample	Contained in two BOD bottles, 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, 24th ed., 2023, 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, 24th ed., 2023, part 4500-S2 (C, F)	Rayong
Temperature *	Degree C	-	-	30.1	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2550 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, 24th ed., 2023, part 2540 C	Rayong
Total Kjeldahl Nitrogen as N	mg/L	-	1.0	20.7	≤100	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-Norg (C), part NH3 (D)	Rayong
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	19	≤200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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 : Suphanat Sakulk ทะเบียนเลขที่ ว-323-จ-0021 , 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

Photchana Seeda
Scientist (4)
ทะเบียนเลขที่ ว-323-จ-0028

Approved by

Dej Changchon
Senior Manager
ทะเบียนเลขที่ ว-323-ค-0001

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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: 24124482
Date Received : Nov 01, 2024
Date Reported : Nov 08, 2024
Report Number : 3159251-2

Sample Number	24124482-1
Sampled Date	Nov 01, 2024 1:24 PM
Sample Description	Wastewater
Location	Collecting Tank
Date Analysis Commenced	Nov 04, 2024
Condition of Sample	Contained in two BOD bottles, 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	0.001	≤0.25	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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, 24th ed., 2023, 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, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Copper	mg/L	0.0003	0.0005	0.005	≤2.00	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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, 24th ed., 2023, 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, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Manganese	mg/L	0.0003	0.0005	0.06	≤5.00	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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, 24th ed., 2023, part 3112	Bangkok

Technical Management
Chanattagarn Imchom
Section Head
ทะเบียนเลขที่ ว-204-จ-0008

Approved by
Kanokkorn Anek
Assistant General 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: 24124482
Date Received : Nov 01, 2024
Date Reported : Nov 08, 2024
Report Number : 3159251-2

Sample Number	24124482-1
Sampled Date	Nov 01, 2024 1:24 PM
Sample Description	Wastewater
Location	Collecting Tank
Date Analysis Commenced	Nov 04, 2024
Condition of Sample	Contained in two BOD bottles, 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	0.23	≤1.00	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Silver	mg/L	0.0003	0.0005	0.0007	≤1.00	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Zinc	mg/L	0.003	0.005	0.17	≤5.00	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Water Testing							
Oil & Grease *	mg/L	-	3	5	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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 : Suphanat Sakulk ทะเบียนเลขที่ ว-323-จ-0021 , 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

Chanattagarn Imchom
Section Head
ทะเบียนเลขที่ ว-204-จ-0008

Approved by

Kanokkorn Anek
Assistant General 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: 24124482
Date Received : Nov 01, 2024
Date Reported : Nov 08, 2024
Report Number : 3159251-2

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

Technical Management

Chanattagarn Imchom
Section Head
ทะเบียนเลขที่ ว-204-จ-0008

Approved by

Kanokkorn Anek
Assistant General 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: 24124482
Date Received : Nov 01, 2024
Date Reported : Nov 08, 2024
Report Number : 3159251-3

Sample Number	24124482-1
Sampled Date	Nov 01, 2024 1:24 PM
Sample Description	Wastewater
Location	Collecting Tank
Date Analysis Commenced	Nov 01, 2024
Condition of Sample	Contained in two BOD bottles, 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							
Aluminium	mg/L	0.003	0.005	0.68	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Iron	mg/L	0.003	0.005	0.43	≤10.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Microbiological Testing							
Fecal Coliform	MPN/100mL	-	-	1300000.0	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 9221 B, E	Bangkok
Total Coliform	MPN/100mL	-	-	3300000.0	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 9221 B	Bangkok
Water Testing							
Ammonia Nitrogen *	mg/L	0.05	0.1	17.3	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-NH3 (D)	Rayong
Chloride as Cl *	mg/L	0.5	1	143	≤2000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-Cl (D)	Rayong
Fluoride as F *	mg/L	0.06	0.2	2.1	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-F (D)	Rayong
Nitrate as N *	mg/L	0.015	0.05	0.08	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-NO3 (E)	Rayong

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Chanattagarn Imchom
Section Head

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: 24124482
Date Received : Nov 01, 2024
Date Reported : Nov 08, 2024
Report Number : 3159251-3

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

Sampling By : Suphanat Sakulk , Samart Khumphlee

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

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: 24124482
Date Received : Nov 01, 2024
Date Reported : Nov 08, 2024
Report Number : 3159252-1

Sample Number	24124482-2
Sampled Date	Nov 01, 2024 1:45 PM
Sample Description	Wastewater
Location	Holding Pond
Date Analysis Commenced	Nov 01, 2024
Condition of Sample	Contained in two BOD bottles, 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	12.6	≤20	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	39	≤120	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5220 D	Rayong
Color (at Original pH)	ADMI	-	5	16	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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, 24th ed., 2023, 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, 24th ed., 2023, part 4500-CN (C, E)	Rayong
Formaldehyde	mg/L	0.03	0.1	<0.1	≤1.0	Wastewater analysis manual, Environmental Engineering Association of Thailand, 4th ed.,2004	Rayong
pH at 25 degree C		-	-	7.7	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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, 24th ed., 2023, part 5530 D	Rayong

Technical Management

Photchana Seeda
Scientist (4)
ทะเบียนเลขที่ ว-323-จ-0028

Approved by

Dej Changchon
Senior Manager
ทะเบียนเลขที่ ว-323-ค-0001

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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: 24124482
Date Received : Nov 01, 2024
Date Reported : Nov 08, 2024
Report Number : 3159252-1

Sample Number	24124482-2
Sampled Date	Nov 01, 2024 1:45 PM
Sample Description	Wastewater
Location	Holding Pond
Date Analysis Commenced	Nov 01, 2024
Condition of Sample	Contained in two BOD bottles, 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, 24th ed., 2023, 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, 24th ed., 2023, part 4500-S2 (C, F)	Rayong
Temperature *	Degree C	-	-	30.5	≤40	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	820	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Total Kjeldahl Nitrogen as N	mg/L	-	1.0	4.0	≤100	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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, 24th ed., 2023, 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 : Suphanat Sakulk ทะเบียนเลขที่ ว-323-จ-0021 , 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
Photchana Seeda
Scientist (4)
ทะเบียนเลขที่ ว-323-จ-0028

Approved by
Dej Changchon
Senior Manager
ทะเบียนเลขที่ ว-323-ค-0001

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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: 24124482
Date Received : Nov 01, 2024
Date Reported : Nov 08, 2024
Report Number : 3159252-2

Sample Number	24124482-2
Sampled Date	Nov 01, 2024 1:45 PM
Sample Description	Wastewater
Location	Holding Pond
Date Analysis Commenced	Nov 04, 2024
Condition of Sample	Contained in two BOD bottles, 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							
Aluminium	mg/L	0.003	0.005	0.61	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Arsenic	mg/L	0.0003	0.0005	0.002	≤0.25	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Barium	mg/L	0.0003	0.0005	0.22	≤1.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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, 24th ed., 2023, 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, 24th ed., 2023, 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, 24th ed., 2023, part 3500-Cr B	Bangkok
Iron	mg/L	0.003	0.005	0.86	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok

Technical Management

Chanattagarn Imchom
Section Head
ทะเบียนเลขที่ ว-204-จ-0008

Approved by

Kanokkorn Anek
Assistant General 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: 24124482
Date Received : Nov 01, 2024
Date Reported : Nov 08, 2024
Report Number : 3159252-2

Sample Number	24124482-2
Sampled Date	Nov 01, 2024 1:45 PM
Sample Description	Wastewater
Location	Holding Pond
Date Analysis Commenced	Nov 04, 2024
Condition of Sample	Contained in two BOD bottles, 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							
Lead	mg/L	0.0003	0.0005	0.002	≤0.2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Manganese	mg/L	0.0003	0.0005	0.09	≤5.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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, 24th ed., 2023, part 3112	Bangkok
Nickel	mg/L	0.0003	0.0005	0.22	≤1.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Silver	mg/L	0.0003	0.0005	0.007	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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, 24th ed., 2023, part 3125 B,3030 F	Bangkok

Technical Management
Chanattagarn Imchom
Section Head
ทะเบียนเลขที่ ว-204-จ-0008

Approved by
Kanokkorn Anek
Assistant General 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: 24124482
Date Received : Nov 01, 2024
Date Reported : Nov 08, 2024
Report Number : 3159252-2

Sample Number	24124482-2
Sampled Date	Nov 01, 2024 1:45 PM
Sample Description	Wastewater
Location	Holding Pond
Date Analysis Commenced	Nov 04, 2024
Condition of Sample	Contained in two BOD bottles, 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							
Zinc	mg/L	0.003	0.005	0.39	≤5.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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, 24th ed., 2023, 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 : Suphanat Sakulk ทะเบียนเลขที่ ว-323-จ-0021 , 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
Chanattagarn Imchom
Section Head
ทะเบียนเลขที่ ว-204-จ-0008

Approved by
Kanokkorn Anek
Assistant General 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: 24124482
Date Received : Nov 01, 2024
Date Reported : Nov 08, 2024
Report Number : 3159252-3

Sample Number	24124482-2
Sampled Date	Nov 01, 2024 1:45 PM
Sample Description	Wastewater
Location	Holding Pond
Date Analysis Commenced	Nov 01, 2024
Condition of Sample	Contained in two BOD bottles, 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
Microbiological Testing							
Fecal Coliform	MPN/100mL	-	-	4900.0	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 9221 B, E	Bangkok
Total Coliform	MPN/100mL	-	-	7000.0	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 9221 B	Bangkok
Water Testing							
Ammonia Nitrogen *	mg/L	0.05	0.1	0.8	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-NH3 (D)	Rayong
Chloride as Cl *	mg/L	0.5	1	131	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-Cl (D)	Rayong
Dissolved Oxygen *	mg/L	-	0.1	5.0	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (C)	Rayong
Fluoride as F *	mg/L	0.06	0.2	1.3	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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 : Suphanat Sakulk , Samart Khumphlee

Remark :
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Approved by

Sithichok Thongnguen
Scientist (3)

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: 24124482
Date Received : Nov 01, 2024
Date Reported : Nov 08, 2024
Report Number : 3159253-1

Sample Number	24124482-3
Sampled Date	Nov 01, 2024 1:35 PM
Sample Description	Wastewater
Location	Aeration Tank
Date Analysis Commenced	Nov 01, 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	1880	In-house method based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Rayong
Sludge Volume Index	mL/g	-	5	69	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2170 D	Rayong
SV30	mL/L	-	2	130	In-house method based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2170 C	Rayong

Sampling By : Suphanat Sakulk , Samart Khumphlee

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

Approved by

Photchana Seeda
Scientist (4)

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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: 24135085
Date Received : Dec 02, 2024
Date Reported : Dec 10, 2024
Report Number : 3187698-1

Sample Number	24135085-1
Sampled Date	Dec 02, 2024 9:25 AM
Sample Description	Wastewater
Location	Collecting Tank
Date Analysis Commenced	Dec 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	22.6	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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, 24th ed., 2023, part 5220 D	Rayong
Color (at Original pH)	ADMI	-	5	35	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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, 24th ed., 2023, 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, 24th ed., 2023, part 4500-CN (C, E)	Rayong
Formaldehyde	mg/L	0.03	0.1	<0.1	≤1.0	Wastewater analysis manual, Environmental Engineering Association of Thailand, 4th ed.,2004	Rayong
pH at 25 degree C		-	-	7.9	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong
Phenol	mg/L	0.005	0.01	0.02	≤1	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5530 D	Rayong

Technical Management
Photchana Seeda
Scientist (4)
ทะเบียนเลขที่ ว-323-จ-0028

Approved by
Dej Changchon
Senior Manager
ทะเบียนเลขที่ ว-323-ค-0001

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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: 24135085
Date Received : Dec 02, 2024
Date Reported : Dec 10, 2024
Report Number : 3187698-1

Sample Number	24135085-1
Sampled Date	Dec 02, 2024 9:25 AM
Sample Description	Wastewater
Location	Collecting Tank
Date Analysis Commenced	Dec 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, 24th ed., 2023, 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, 24th ed., 2023, part 4500-S2 (C, F)	Rayong
Temperature *	Degree C	-	-	31.2	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	688	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Total Kjeldahl Nitrogen as N	mg/L	-	1.0	21.6	≤100	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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, 24th ed., 2023, 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 : Amonwich Wongsachai ทะเบียนเลขที่ ว-323-จ-0040 , 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

Photchana Seeda
Scientist (4)
ทะเบียนเลขที่ ว-323-จ-0028

Approved by

Dej Changchon
Senior Manager
ทะเบียนเลขที่ ว-323-ค-0001

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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: 24135085
Date Received : Dec 02, 2024
Date Reported : Dec 10, 2024
Report Number : 3187698-2

Sample Number	24135085-1
Sampled Date	Dec 02, 2024 9:25 AM
Sample Description	Wastewater
Location	Collecting Tank
Date Analysis Commenced	Dec 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							
Arsenic	mg/L	0.0003	0.0005	0.001	≤0.25	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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, 24th ed., 2023, 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, 24th ed., 2023, 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, 24th ed., 2023, 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, 24th ed., 2023, 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, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Manganese	mg/L	0.0003	0.0005	0.12	≤5.00	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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, 24th ed., 2023, part 3112	Bangkok

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

Approved by
Kanokkorn Anek
Assistant General 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: 24135085
Date Received : Dec 02, 2024
Date Reported : Dec 10, 2024
Report Number : 3187698-2

Sample Number	24135085-1
Sampled Date	Dec 02, 2024 9:25 AM
Sample Description	Wastewater
Location	Collecting Tank
Date Analysis Commenced	Dec 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							
Nickel	mg/L	0.0003	0.0005	0.18	≤1.00	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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, 24th ed., 2023, 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, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Zinc	mg/L	0.003	0.005	0.32	≤5.00	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Water Testing							
Oil & Grease *	mg/L	-	3	7	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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 : Amonwich Wongsachai ทะเบียนเลขที่ ว-323-จ-0040 , Samart Khumphlee ทะเบียนเลขที่ ว-204-จ-0084

Remark :
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Technical Management

Sawitree Noisangiam
Manager
ทะเบียนเลขที่ ว-204-จ-0007

Approved by

Kanokkorn Anek
Assistant General 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: 24135085
Date Received : Dec 02, 2024
Date Reported : Dec 10, 2024
Report Number : 3187698-3

Sample Number	24135085-1
Sampled Date	Dec 02, 2024 9:25 AM
Sample Description	Wastewater
Location	Collecting Tank
Date Analysis Commenced	Dec 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							
Aluminium	mg/L	0.003	0.005	0.73	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Iron	mg/L	0.003	0.005	0.90	≤10.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Silver	mg/L	0.0003	0.0005	0.0010	≤1.00	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Microbiological Testing							
Fecal Coliform	MPN/100mL	-	-	240000.0	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 9221 B, E	Bangkok
Total Coliform	MPN/100mL	-	-	330000.0	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 9221 B	Bangkok
Water Testing							
Ammonia Nitrogen *	mg/L	0.05	0.1	17.4	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-NH3 (D)	Rayong
Chloride as Cl *	mg/L	0.5	1	151	≤2000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-Cl (D)	Rayong
Fluoride as F *	mg/L	0.06	0.2	2.4	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-F (D)	Rayong

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Approved by

Tuanjai Thangklang
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: 24135085
Date Received : Dec 02, 2024
Date Reported : Dec 10, 2024
Report Number : 3187698-3

Sample Number	24135085-1
Sampled Date	Dec 02, 2024 9:25 AM
Sample Description	Wastewater
Location	Collecting Tank
Date Analysis Commenced	Dec 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	<0.05	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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 : Amonwich Wongsachai , Samart Khumphlee

Remark :
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Tuanjai Thangklang
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: 24135085
Date Received : Dec 02, 2024
Date Reported : Dec 10, 2024
Report Number : 3187699-1

Sample Number	24135085-2
Sampled Date	Dec 02, 2024 9:35 AM
Sample Description	Wastewater
Location	Holding Pond
Date Analysis Commenced	Dec 02, 2024
Condition of Sample	Contained in two glass vials, one amber glass bottle, two BOD bottles 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	≤20	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	36	≤120	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5220 D	Rayong
Color (at Original pH)	ADMI	-	5	21	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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, 24th ed., 2023, 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, 24th ed., 2023, part 4500-CN (C, E)	Rayong
Formaldehyde	mg/L	0.03	0.1	Not Detected	≤1.0	Wastewater analysis manual, Environmental Engineering Association of Thailand, 4th ed.,2004	Rayong
pH at 25 degree C		-	-	7.8	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong
Phenol	mg/L	0.005	0.01	<0.010	≤1.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5530 D	Rayong

Technical Management

Photchana Seeda
Scientist (4)
ทะเบียนเลขที่ ว-323-จ-0028

Approved by

Dej Changchon
Senior Manager
ทะเบียนเลขที่ ว-323-ค-0001

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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: 24135085
Date Received : Dec 02, 2024
Date Reported : Dec 10, 2024
Report Number : 3187699-1

Sample Number	24135085-2
Sampled Date	Dec 02, 2024 9:35 AM
Sample Description	Wastewater
Location	Holding Pond
Date Analysis Commenced	Dec 02, 2024
Condition of Sample	Contained in two glass vials, one amber glass bottle, two BOD bottles 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, 24th ed., 2023, 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, 24th ed., 2023, part 4500-S2 (C, F)	Rayong
Temperature *	Degree C	-	-	30.4	≤40	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	1030	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Total Kjeldahl Nitrogen as N	mg/L	-	1.0	4.1	≤100	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-Norg (C), part NH3 (D)	Rayong
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	17	≤50	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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 : Amonwich Wongsachai ทะเบียนเลขที่ ว-323-จ-0040 , Samart Khumphlee ทะเบียนเลขที่ ว-204-จ-0084

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Technical Management
Photchana Seeda
Scientist (4)
ทะเบียนเลขที่ ว-323-จ-0028

Approved by
Dej Changchon
Senior Manager
ทะเบียนเลขที่ ว-323-ค-0001

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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: 24135085
Date Received : Dec 02, 2024
Date Reported : Dec 10, 2024
Report Number : 3187699-2

Sample Number	24135085-2
Sampled Date	Dec 02, 2024 9:35 AM
Sample Description	Wastewater
Location	Holding Pond
Date Analysis Commenced	Dec 03, 2024
Condition of Sample	Contained in two glass vials, one amber glass bottle, two BOD bottles 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, 24th ed., 2023, 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, 24th ed., 2023, 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, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Copper	mg/L	0.0003	0.0005	0.008	≤2.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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, 24th ed., 2023, 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, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Manganese	mg/L	0.0003	0.0005	0.10	≤5.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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, 24th ed., 2023, part 3112	Bangkok

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

Approved by
Kanokkorn Anek
Assistant General 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: 24135085
Date Received : Dec 02, 2024
Date Reported : Dec 10, 2024
Report Number : 3187699-2

Sample Number	24135085-2
Sampled Date	Dec 02, 2024 9:35 AM
Sample Description	Wastewater
Location	Holding Pond
Date Analysis Commenced	Dec 03, 2024
Condition of Sample	Contained in two glass vials, one amber glass bottle, two BOD bottles 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	0.24	≤1.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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, 24th ed., 2023, 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, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Zinc	mg/L	0.003	0.005	0.27	≤5.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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, 24th ed., 2023, 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 : Amonwich Wongsachai ทะเบียนเลขที่ ว-323-จ-0040 , Samart Khumphlee ทะเบียนเลขที่ ว-204-จ-0084

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

Approved by
Kanokkorn Anek
Assistant General 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: 24135085
Date Received : Dec 02, 2024
Date Reported : Dec 10, 2024
Report Number : 3187699-3

Sample Number	24135085-2
Sampled Date	Dec 02, 2024 9:35 AM
Sample Description	Wastewater
Location	Holding Pond
Date Analysis Commenced	Dec 02, 2024
Condition of Sample	Contained in two glass vials, one amber glass bottle, two BOD bottles 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	0.86	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Iron	mg/L	0.003	0.005	0.77	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Silver	mg/L	0.0003	0.0005	0.002	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Microbiological Testing							
Fecal Coliform	MPN/100mL	-	-	13000.0	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 9221 B, E	Bangkok
Total Coliform	MPN/100mL	-	-	24000.0	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 9221 B	Bangkok
Water Testing							
Ammonia Nitrogen *	mg/L	0.05	0.1	0.7	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-NH3 (D)	Rayong
Chloride as Cl *	mg/L	0.5	1	180	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-Cl (D)	Rayong
Dissolved Oxygen *	mg/L	-	0.1	5.4	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (C)	Rayong

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Tuanjai Thangklang
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: 24135085
Date Received : Dec 02, 2024
Date Reported : Dec 10, 2024
Report Number : 3187699-3

Sample Number	24135085-2
Sampled Date	Dec 02, 2024 9:35 AM
Sample Description	Wastewater
Location	Holding Pond
Date Analysis Commenced	Dec 02, 2024
Condition of Sample	Contained in two glass vials, one amber glass bottle, two BOD bottles 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 as F *	mg/L	0.06	0.2	3.1	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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 : Amonwich Wongsachai , Samart Khumphlee

Remark :
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Approved by

Tuanjai Thangklang
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: 24135085
Date Received : Dec 02, 2024
Date Reported : Dec 10, 2024
Report Number : 3187700-1

Sample Number	24135085-3
Sampled Date	Dec 02, 2024 9:30 AM
Sample Description	Wastewater
Location	Aeration Tank
Date Analysis Commenced	Dec 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	1740	In-house method based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Rayong
Sludge Volume Index	mL/g	-	5	86	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2170 D	Rayong
SV30	mL/L	-	2	150	In-house method based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2170 C	Rayong

Sampling By : Amonwich Wongsachai , Samart Khumphlee

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Approved by



Photchana Seeda
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: 2468364
Date Received : Jul 01, 2024
Date Reported : Jul 08, 2024
Report Number : 3026369-1

Sample Number	2468364-1
Sampled Date	Jul 01, 2024 11:40 AM
Sample Description	Wastewater
Location	บริษัท กัลฟ์ พีดี จำกัด : GULF PD COMPANY LIMITED.
Date Analysis Commenced	Jul 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		-	-	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	112	≤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 ทะเบียนเลขที ว-323-จ-9477 , Pattarapol Sawangjaitam ทะเบียนเลขที ว-204-จ-0002

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Technical Management

Chonticha Subongkoch
Scientist (3)
ทะเบียนเลขที่ ว-323-จ-9449

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: 2468364
Date Received : Jul 01, 2024
Date Reported : Jul 06, 2024
Report Number : 3026369-2

Sample Number	2468364-1
Sampled Date	Jul 01, 2024 11:40 AM
Sample Description	Wastewater
Location	บริษัท กัลฟ์ พีดี จำกัด : GULF PD COMPANY LIMITED.
Date Analysis Commenced	Jul 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 : Narunat thammasaro ทะเบียนเลขที่ ว-323-จ-9477 , Pattarapol Sawangjaitam ทะเบียนเลขที่ ว-204-จ-0002

Remark :
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Technical Management

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

Approved by

Kanokkorn Anek
Assistant General 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: 2468365
Date Received : Jul 01, 2024
Date Reported : Jul 08, 2024
Report Number : 3026372-1

Sample Number	2468365-1
Sampled Date	Jul 01, 2024 11:05 AM
Sample Description	Wastewater
Location	บริษัท วีอีเอ็ม (ไทยแลนด์) จำกัด โรงงาน 1 จุดที่ 1 : VEM (THAILAND) CO., LTD.
Date Analysis Commenced	Jul 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	25.7	≤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	96	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Rayong
pH at 25 degree C		-	-	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	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	44.0	≤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	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 : Narunat thammasaro ทะเบียนเลขที ว-323-จ-9477 , Pattarapol Sawangjaitam ทะเบียนเลขที ว-204-จ-0002

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Technical Management

Chonticha Subongkoch
Scientist (3)
ทะเบียนเลขที่ ว-323-จ-9449

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: 2468365
Date Received : Jul 01, 2024
Date Reported : Jul 06, 2024
Report Number : 3026372-2

Sample Number	2468365-1
Sampled Date	Jul 01, 2024 11:05 AM
Sample Description	Wastewater
Location	บริษัท วีอีเอ็ม (ไทยแลนด์) จำกัด โรงงาน 1 จุดที่ 1 : VEM (THAILAND) CO., LTD.
Date Analysis Commenced	Jul 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 : Narunat thammasaro ทะเบียนเลขที่ ว-323-จ-9477 , Pattarapol Sawangjaitam ทะเบียนเลขที่ ว-204-จ-0002

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Technical Management

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

Approved by

Kanokkorn Anek
Assistant General 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: 2468366
Date Received : Jul 01, 2024
Date Reported : Jul 08, 2024
Report Number : 3026373-1

Sample Number	2468366-1
Sampled Date	Jul 01, 2024 10:50 AM
Sample Description	Wastewater
Location	บริษัท เซล อินดัสทรี (ไทยแลนด์) จำกัด : SAIL INDUSTRY (THAILAND) CO.,LTD.
Date Analysis Commenced	Jul 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	22.3	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	77	≤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	1024	≤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	24.5	≤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	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 : Narunat thammasaro ทะเบียนเลขที ว-323-จ-9477 , Pattarapol Sawangjaitam ทะเบียนเลขที ว-204-จ-0002

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Technical Management
Chonticha Subongkoch
Scientist (3)
ทะเบียนเลขที่ ว-323-จ-9449

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: 2468366
Date Received : Jul 01, 2024
Date Reported : Jul 06, 2024
Report Number : 3026373-2

Sample Number	2468366-1
Sampled Date	Jul 01, 2024 10:50 AM
Sample Description	Wastewater
Location	บริษัท เซล อินดัสทรี (ไทยแลนด์) จำกัด : SAIL INDUSTRY (THAILAND) CO.,LTD.
Date Analysis Commenced	Jul 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 : Narunat thammasaro ทะเบียนเลขที่ ว-323-จ-9477 , Pattarapol Sawangjaitam ทะเบียนเลขที่ ว-204-จ-0002

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Technical Management

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

Approved by

Kanokkorn Anek
Assistant General 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: 2468367
Date Received : Jul 01, 2024
Date Reported : Jul 08, 2024
Report Number : 3026378-1

Sample Number	2468367-1
Sampled Date	Jul 01, 2024 10:10 AM
Sample Description	Wastewater
Location	บริษัท กีลอง (ประเทศไทย) จำกัด (จุดที่ 1) : GEELONG (THAILAND) CO.,LTD.
Date Analysis Commenced	Jul 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	58.9	≤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	158	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Rayong
pH at 25 degree C		-	-	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	892	≤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	23.6	≤100	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Norg (C), part NH3 (D)	Rayong
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	17	≤200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Rayong

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

Sampling By : Narunat thammasaro ทะเบียนเลขที ว-323-จ-9477 , Pattarapol Sawangjaitam ทะเบียนเลขที ว-204-จ-0002

Remark :
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Technical Management

Chonticha Subongkoch
Scientist (3)
ทะเบียนเลขที่ ว-323-จ-9449

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: 2468367
Date Received : Jul 01, 2024
Date Reported : Jul 06, 2024
Report Number : 3026378-2

Sample Number	2468367-1
Sampled Date	Jul 01, 2024 10:10 AM
Sample Description	Wastewater
Location	บริษัท กีลอง (ประเทศไทย) จำกัด (จุดที่ 1) : GEELONG (THAILAND) CO.,LTD.
Date Analysis Commenced	Jul 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 : Narunat thammasaro ทะเบียนเลขที่ ว-323-จ-9477 , Pattarapol Sawangjaitam ทะเบียนเลขที่ ว-204-จ-0002

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Technical Management

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

Approved by

Kanokkorn Anek
Assistant General 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: 2468368
Date Received : Jul 01, 2024
Date Reported : Jul 08, 2024
Report Number : 3026380-1

Sample Number	2468368-1
Sampled Date	Jul 01, 2024 10:20 AM
Sample Description	Wastewater
Location	บริษัท กีลอง (ประเทศไทย) จำกัด (จุดที่ 2) : GEELONG (THAILAND) CO.,LTD.
Date Analysis Commenced	Jul 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	66.8	≤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	168	≤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	624	≤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	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 : Narunat thammasaro ทะเบียนเลขที ว-323-จ-9477 , Pattarapol Sawangjaitam ทะเบียนเลขที ว-204-จ-0002

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Technical Management

Chonticha Subongkoch
Scientist (3)
ทะเบียนเลขที่ ว-323-จ-9449

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: 2468368
Date Received : Jul 01, 2024
Date Reported : Jul 06, 2024
Report Number : 3026380-2

Sample Number	2468368-1
Sampled Date	Jul 01, 2024 10:20 AM
Sample Description	Wastewater
Location	บริษัท กีลอง (ประเทศไทย) จำกัด (จุดที่ 2) : GEELONG (THAILAND) CO.,LTD.
Date Analysis Commenced	Jul 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 : Narunat thammasaro ทะเบียนเลขที่ ว-323-จ-9477 , Pattarapol Sawangjaitam ทะเบียนเลขที่ ว-204-จ-0002

Remark :
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Technical Management

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

Approved by

Kanokkorn Anek
Assistant General Manager
ทะเบียนเลขที่ ว-204-ค-0004

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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: 2468369
Date Received : Jul 01, 2024
Date Reported : Jul 08, 2024
Report Number : 3026381-1

Sample Number	2468369-1
Sampled Date	Jul 01, 2024 10:30 AM
Sample Description	Wastewater
Location	บริษัท ซีลแมกซ์ ซีลลิ่ง โซลูชั่น จำกัด : SILMAX SEALING SOLUTION CO.,LTD.
Date Analysis Commenced	Jul 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	49.4	≤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	161	≤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	564	≤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	84.8	≤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	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 ทะเบียนเลขที ว-323-จ-9477 , Pattarapol Sawangjaitam ทะเบียนเลขที ว-204-จ-0002

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

Technical Management

Chonticha Subongkoch
Scientist (3)
ทะเบียนเลขที่ ว-323-จ-9449

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: 2468369
Date Received : Jul 01, 2024
Date Reported : Jul 06, 2024
Report Number : 3026381-2

Sample Number	2468369-1
Sampled Date	Jul 01, 2024 10:30 AM
Sample Description	Wastewater
Location	บริษัท ซีลแมกซ์ ซีลลิ่ง โซลูชั่น จำกัด : SILMAX SEALING SOLUTION CO.,LTD.
Date Analysis Commenced	Jul 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 : Narunat thammasaro ทะเบียนเลขที่ ว-323-จ-9477 , Pattarapol Sawangjaitam ทะเบียนเลขที่ ว-204-จ-0002

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

Technical Management

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

Approved by

Kanokkorn Anek
Assistant General 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: 2468370
Date Received : Jul 01, 2024
Date Reported : Jul 08, 2024
Report Number : 3026382-1

Sample Number	2468370-1
Sampled Date	Jul 01, 2024 10:25 AM
Sample Description	Wastewater
Location	บริษัท เทียนกุง พรีซิชั่น ทูลส์ (ประเทศไทย) จำกัด : TIANGONG PRECISION TOOLS (THAILAND) CO.,LTD.
Date Analysis Commenced	Jul 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	436	≤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	1415	≤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	2312	≤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	132	≤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 : Narunat thammasaro ทะเบียนเลขที ว-323-จ-9477 , Pattarapol Sawangjaitam ทะเบียนเลขที 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

Chonticha Subongkoch
Scientist (3)
ทะเบียนเลขที่ ว-323-จ-9449

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: 2468370
Date Received : Jul 01, 2024
Date Reported : Jul 06, 2024
Report Number : 3026382-2

Sample Number	2468370-1
Sampled Date	Jul 01, 2024 10:25 AM
Sample Description	Wastewater
Location	บริษัท เทียนกุง พรีซิชั่น ทูลส์ (ประเทศไทย) จำกัด : TIANGONG PRECISION TOOLS (THAILAND) CO.,LTD.
Date Analysis Commenced	Jul 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 : Narunat thammasaro ทะเบียนเลขที่ ว-323-จ-9477 , Pattarapol Sawangjaitam ทะเบียนเลขที่ ว-204-จ-0002

Remark :
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Technical Management

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

Approved by

Kanokkorn Anek
Assistant General 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: 2468371
Date Received : Jul 01, 2024
Date Reported : Jul 08, 2024
Report Number : 3026383-1

Sample Number	2468371-1
Sampled Date	Jul 01, 2024 11:10 AM
Sample Description	Wastewater
Location	บริษัท วีอีเอ็ม (ไทยแลนด์) จำกัด โรงงาน 1 จุดที่ 2 : VEM (THAILAND) CO., LTD.
Date Analysis Commenced	Jul 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	42.4	≤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	141	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Rayong
pH at 25 degree C		-	-	8.3	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	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	83.1	≤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	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 : Narunat thammasaro ทะเบียนเลขที ว-323-จ-9477 , Pattarapol Sawangjaitam ทะเบียนเลขที ว-204-จ-0002

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

Technical Management

Chonticha Subongkoch
Scientist (3)
ทะเบียนเลขที่ ว-323-จ-9449

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: 2468371
Date Received : Jul 01, 2024
Date Reported : Jul 06, 2024
Report Number : 3026383-2

Sample Number	2468371-1
Sampled Date	Jul 01, 2024 11:10 AM
Sample Description	Wastewater
Location	บริษัท วีอีเอ็ม (ไทยแลนด์) จำกัด โรงงาน 1 จุดที่ 2 : VEM (THAILAND) CO., LTD.
Date Analysis Commenced	Jul 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 : Narunat thammasaro ทะเบียนเลขที่ ว-323-จ-9477 , Pattarapol Sawangjaitam ทะเบียนเลขที่ ว-204-จ-0002

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

Technical Management

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

Approved by

Kanokkorn Anek
Assistant General 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: 2468372
Date Received : Jul 01, 2024
Date Reported : Jul 08, 2024
Report Number : 3026385-1

Sample Number	2468372-1
Sampled Date	Jul 01, 2024 11:20 AM
Sample Description	Wastewater
Location	บริษัท วีอีเอ็ม (ไทยแลนด์) จำกัด โรงงาน 2 : VEM (THAILAND) CO., LTD.
Date Analysis Commenced	Jul 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	56.0	≤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	149	≤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	572	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Rayong
Total Kjeldahl Nitrogen as N	mg/L	-	1.0	72.2	≤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	24	≤200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Rayong

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

Sampling By : Narunat thammasaro ทะเบียนเลขที ว-323-จ-9477 , Pattarapol Sawangjaitam ทะเบียนเลขที ว-204-จ-0002

Remark :
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Technical Management

Chonticha Subongkoch
Scientist (3)
ทะเบียนเลขที่ ว-323-จ-9449

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: 2468372
Date Received : Jul 01, 2024
Date Reported : Jul 06, 2024
Report Number : 3026385-2

Sample Number	2468372-1
Sampled Date	Jul 01, 2024 11:20 AM
Sample Description	Wastewater
Location	บริษัท วีอีเอ็ม (ไทยแลนด์) จำกัด โรงงาน 2 : VEM (THAILAND) CO., LTD.
Date Analysis Commenced	Jul 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 : Narunat thammasaro ทะเบียนเลขที่ ว-323-จ-9477 , Pattarapol Sawangjaitam ทะเบียนเลขที่ ว-204-จ-0002

Remark :
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Technical Management

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

Approved by

Kanokkorn Anek
Assistant General 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: 2468373
Date Received : Jul 01, 2024
Date Reported : Jul 08, 2024
Report Number : 3026386-1

Sample Number	2468373-1
Sampled Date	Jul 01, 2024 10:58 AM
Sample Description	Wastewater
Location	บริษัท ฮามาตั้น (ประเทศไทย) จำกัด
Date Analysis Commenced	Jul 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	54	≤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	288	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Rayong
Total Kjeldahl Nitrogen as N	mg/L	-	1.0	47.0	≤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	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 , Pattarapol Sawangjaitam ทะเบียนเลขที 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
Chonticha Subongkoch
Scientist (3)
ทะเบียนเลขที่ ว-323-จ-9449

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: 2468373
Date Received : Jul 01, 2024
Date Reported : Jul 06, 2024
Report Number : 3026386-2

Sample Number	2468373-1
Sampled Date	Jul 01, 2024 10:58 AM
Sample Description	Wastewater
Location	บริษัท ฮามาตั้น (ประเทศไทย) จำกัด
Date Analysis Commenced	Jul 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 : Narunat thammasaro ทะเบียนเลขที่ ว-323-จ-9477 , Pattarapol Sawangjaitam ทะเบียนเลขที่ ว-204-จ-0002

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

Technical Management

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

Approved by

Kanokkorn Anek
Assistant General 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: 2486690
Date Received : Aug 02, 2024
Date Reported : Aug 08, 2024
Report Number : 3068098-1

Sample Number	2486690-1
Sampled Date	Aug 02, 2024 10:45 AM
Sample Description	Wastewater
Location	บริษัท กัลฟ์ พีดี จำกัด : GULF PD COMPANY LIMITED.
Date Analysis Commenced	Aug 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		-	-	7.8	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	148	≤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 , 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

Chontichak

Chonticha Subongkoch
Scientist (3)
ทะเบียนเลขที่ ว-323-จ-9449

Approved by

D.Thanon.

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: 2486690
Date Received : Aug 02, 2024
Date Reported : Aug 09, 2024
Report Number : 3068098-2

Sample Number	2486690-1
Sampled Date	Aug 02, 2024 10:45 AM
Sample Description	Wastewater
Location	บริษัท กัลฟ์ พีดี จำกัด : GULF PD COMPANY LIMITED.
Date Analysis Commenced	Aug 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 : 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
Assistant General 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: 2486691
Date Received : Aug 02, 2024
Date Reported : Aug 08, 2024
Report Number : 3068099-1

Sample Number	2486691-1
Sampled Date	Aug 02, 2024 10:20 AM
Sample Description	Wastewater
Location	บริษัท วีอีเอ็ม (ไทยแลนด์) จำกัด โรงงาน 1 จุดที่ 1 : VEM (THAILAND) CO., LTD.
Date Analysis Commenced	Aug 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	34.8	≤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	107	≤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	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	75.9	≤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	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 : Chainusorn Lertnanthakunchai ทะเบียนเลขที่ ว-323-จ-9461 , Samart Khumphlee ทะเบียนเลขที่ ว-204-จ-0084

Remark :
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Technical Management

Chontichak

Chonticha Subongkoch
Scientist (3)
ทะเบียนเลขที่ ว-323-จ-9449

Approved by

D.Changchon

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

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Analysis / Test Report

Client : Rojana Industrial Management Co., Ltd.
2034/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkapi, Huaykwang, Bangkok Thailand 10310
P/O :
Project Name : โครงการสวนอุตสาหกรรมปลวกแดง (โรจนะปลวกแดง/ระยอง2)
Project Location : Factory

Lot ID: 2486691
Date Received : Aug 02, 2024
Date Reported : Aug 09, 2024
Report Number : 3068099-2

Sample Number	2486691-1
Sampled Date	Aug 02, 2024 10:20 AM
Sample Description	Wastewater
Location	บริษัท วีอีเอ็ม (ไทยแลนด์) จำกัด โรงงาน 1 จุดที่ 1 : VEM (THAILAND) CO., LTD.
Date Analysis Commenced	Aug 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	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 , Samart Khumphlee ทะเบียนเลขที ว-204-จ-0084

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Technical Management

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

Approved by

Kanokkorn Anek
Assistant General 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: 2486692
Date Received : Aug 02, 2024
Date Reported : Aug 08, 2024
Report Number : 3068100-1

Sample Number	2486692-1
Sampled Date	Aug 02, 2024 10:10 AM
Sample Description	Wastewater
Location	บริษัท เซล อินดัสทรี (ไทยแลนด์) จำกัด : SAIL INDUSTRY (THAILAND) CO.,LTD.
Date Analysis Commenced	Aug 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	31.6	≤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	103	≤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	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	67.2	≤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 , Samart Khumphlee ทะเบียนเลขที่ ว-204-จ-0084

Remark :
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Technical Management

Chontichak

Chonticha Subongkoch
Scientist (3)
ทะเบียนเลขที่ ว-323-จ-9449

Approved by

D.Thanon.

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: 2486692
Date Received : Aug 02, 2024
Date Reported : Aug 09, 2024
Report Number : 3068100-2

Sample Number	2486692-1
Sampled Date	Aug 02, 2024 10:10 AM
Sample Description	Wastewater
Location	บริษัท เซล อินดัสทรี (ไทยแลนด์) จำกัด : SAIL INDUSTRY (THAILAND) CO.,LTD.
Date Analysis Commenced	Aug 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	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
Assistant General 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: 2486693
Date Received : Aug 02, 2024
Date Reported : Aug 09, 2024
Report Number : 3068101-1

Sample Number	2486693-1
Sampled Date	Aug 02, 2024 9:26 AM
Sample Description	Wastewater
Location	บริษัท กีลอง (ประเทศไทย) จำกัด (จุดที่ 1) : GEELONG (THAILAND) CO.,LTD.
Date Analysis Commenced	Aug 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	35.0	≤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	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		-	-	6.9	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	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	27.2	≤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	30	≤200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Rayong

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

Sampling By : 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.
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Technical Management

Chonticha Subongkoch
Scientist (3)
ทะเบียนเลขที่ ว-323-จ-9449

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: 2486693
Date Received : Aug 02, 2024
Date Reported : Aug 09, 2024
Report Number : 3068101-2

Sample Number	2486693-1
Sampled Date	Aug 02, 2024 9:26 AM
Sample Description	Wastewater
Location	บริษัท กีลอง (ประเทศไทย) จำกัด (จุดที่ 1) : GEELONG (THAILAND) CO.,LTD.
Date Analysis Commenced	Aug 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	15	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 D	Bangkok

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

Sampling By : 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
Assistant General 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: 2486694
Date Received : Aug 02, 2024
Date Reported : Aug 09, 2024
Report Number : 3068102-1

Sample Number	2486694-1
Sampled Date	Aug 02, 2024 9:31 AM
Sample Description	Wastewater
Location	บริษัท กีลอง (ประเทศไทย) จำกัด (จุดที่ 2) : GEELONG (THAILAND) CO.,LTD.
Date Analysis Commenced	Aug 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	97.4	≤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	249	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Rayong
pH at 25 degree C		-	-	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	724	≤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	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 : 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.
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Technical Management

Chontichak

Chonticha Subongkoch
Scientist (3)
ทะเบียนเลขที่ ว-323-จ-9449

Approved by

D.Changchon

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

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Analysis / Test Report

Client : Rojana Industrial Management Co., Ltd.
2034/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkapi, Huaykwang, Bangkok Thailand 10310
P/O :
Project Name : โครงการสวนอุตสาหกรรมปลวกแดง (โรจนะปลวกแดง/ระยอง2)
Project Location : Factory

Lot ID: 2486694
Date Received : Aug 02, 2024
Date Reported : Aug 09, 2024
Report Number : 3068102-2

Sample Number	2486694-1
Sampled Date	Aug 02, 2024 9:31 AM
Sample Description	Wastewater
Location	บริษัท กีลอง (ประเทศไทย) จำกัด (จุดที่ 2) : GEELONG (THAILAND) CO.,LTD.
Date Analysis Commenced	Aug 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	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 , 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
Assistant General 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: 2486695
Date Received : Aug 02, 2024
Date Reported : Aug 09, 2024
Report Number : 3068103-1

Sample Number	2486695-1
Sampled Date	Aug 02, 2024 9:51 AM
Sample Description	Wastewater
Location	บริษัท ซีลแมกซ์ ซีลลิ่ง โซลูชั่น จำกัด : SILMAX SEALING SOLUTION CO.,LTD.
Date Analysis Commenced	Aug 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	71.1	≤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	200	≤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	680	≤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	90.6	≤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	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 , Samart Khumphlee ทะเบียนเลขที่ ว-204-จ-0084

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Technical Management

Chontichak

Chonticha Subongkoch
Scientist (3)
ทะเบียนเลขที่ ว-323-จ-9449

Approved by

D.Changchon

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

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Analysis / Test Report

Client : Rojana Industrial Management Co., Ltd.
2034/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkapi, Huaykwang, Bangkok Thailand 10310
P/O :
Project Name : โครงการสวนอุตสาหกรรมปลวกแดง (โรจนะปลวกแดง/ระยอง2)
Project Location : Factory

Lot ID: 2486695
Date Received : Aug 02, 2024
Date Reported : Aug 09, 2024
Report Number : 3068103-2

Sample Number	2486695-1
Sampled Date	Aug 02, 2024 9:51 AM
Sample Description	Wastewater
Location	บริษัท ซีลแมกซ์ ซีลลิ่ง โซลูชั่น จำกัด : SILMAX SEALING SOLUTION CO.,LTD.
Date Analysis Commenced	Aug 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	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

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Technical Management

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

Approved by

Kanokkorn Anek
Assistant General 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: 2486696
Date Received : Aug 02, 2024
Date Reported : Aug 09, 2024
Report Number : 3068104-1

Sample Number	2486696-1
Sampled Date	Aug 02, 2024 9:45 AM
Sample Description	Wastewater
Location	บริษัท เทียนกุง พรีซิชั่น ทูลส์ (ประเทศไทย) จำกัด : TIANGONG PRECISION TOOLS (THAILAND) CO.,LTD.
Date Analysis Commenced	Aug 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	345	≤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	1013	≤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	3240	≤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	88.1	≤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	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 , Samart Khumphlee ทะเบียนเลขที่ ว-204-จ-0084

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Technical Management

Chontichak

Chonticha Subongkoch
Scientist (3)
ทะเบียนเลขที่ ว-323-จ-9449

Approved by

D.Thanon.

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: 2486696
Date Received : Aug 02, 2024
Date Reported : Aug 09, 2024
Report Number : 3068104-2

Sample Number	2486696-1
Sampled Date	Aug 02, 2024 9:45 AM
Sample Description	Wastewater
Location	บริษัท เทียนกุง พรีซิชั่น ทูลส์ (ประเทศไทย) จำกัด : TIANGONG PRECISION TOOLS (THAILAND) CO.,LTD.
Date Analysis Commenced	Aug 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	22	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 D	Bangkok

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

Sampling By : Chainusorn Lertnanthakunchai ทะเบียนเลขที ว-323-จ-9461 , Samart Khumphlee ทะเบียนเลขที ว-204-จ-0084

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Technical Management

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

Approved by

Kanokkorn Anek
Assistant General 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: 2486697
Date Received : Aug 02, 2024
Date Reported : Aug 09, 2024
Report Number : 3068105-1

Sample Number	2486697-1
Sampled Date	Aug 02, 2024 10:17 AM
Sample Description	Wastewater
Location	บริษัท วีอีเอ็ม (ไทยแลนด์) จำกัด โรงงาน 1 จุดที่ 2 : VEM (THAILAND) CO., LTD.
Date Analysis Commenced	Aug 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	47.7	≤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	137	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Rayong
pH at 25 degree C		-	-	8.3	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	660	≤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	91.2	≤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	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 : Chainusorn Lertnanthakunchai ทะเบียนเลขที่ ว-323-จ-9461 , Samart Khumphlee ทะเบียนเลขที่ ว-204-จ-0084

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Technical Management

Chontichak

Chonticha Subongkoch
Scientist (3)
ทะเบียนเลขที่ ว-323-จ-9449

Approved by

D.Changchon

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

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Analysis / Test Report

Client : Rojana Industrial Management Co., Ltd.
2034/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkapi, Huaykwang, Bangkok Thailand 10310
P/O :
Project Name : โครงการสวนอุตสาหกรรมปลวกแดง (โรจนะปลวกแดง/ระยอง2)
Project Location : Factory

Lot ID: 2486697
Date Received : Aug 02, 2024
Date Reported : Aug 09, 2024
Report Number : 3068105-2

Sample Number	2486697-1
Sampled Date	Aug 02, 2024 10:17 AM
Sample Description	Wastewater
Location	บริษัท วีอีเอ็ม (ไทยแลนด์) จำกัด โรงงาน 1 จุดที่ 2 : VEM (THAILAND) CO., LTD.
Date Analysis Commenced	Aug 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	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 ทะเบียนเลขที่ ว-323-จ-9461 , Samart Khumphlee ทะเบียนเลขที่ ว-204-จ-0084

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Technical Management

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

Approved by

Kanokkorn Anek
Assistant General 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: 2486698
Date Received : Aug 02, 2024
Date Reported : Aug 09, 2024
Report Number : 3068106-1

Sample Number	2486698-1
Sampled Date	Aug 02, 2024 10:28 AM
Sample Description	Wastewater
Location	บริษัท วีอีเอ็ม (ไทยแลนด์) จำกัด โรงงาน 2 : VEM (THAILAND) CO., LTD.
Date Analysis Commenced	Aug 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	113	≤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	256	≤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	696	≤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	96.1	≤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	40	≤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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Technical Management

Chontichak

Chonticha Subongkoch
Scientist (3)
ทะเบียนเลขที่ ว-323-จ-9449

Approved by

D.Changchon

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

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Analysis / Test Report

Client : Rojana Industrial Management Co., Ltd.
2034/115 26TH Fl. Italthai Tower, New Petchburi Road, Bangkapi, Huaykwang, Bangkok Thailand 10310
P/O :
Project Name : โครงการสวนอุตสาหกรรมปลวกแดง (โรจนะปลวกแดง/ระยอง2)
Project Location : Factory

Lot ID: 2486698
Date Received : Aug 02, 2024
Date Reported : Aug 09, 2024
Report Number : 3068106-2

Sample Number	2486698-1
Sampled Date	Aug 02, 2024 10:28 AM
Sample Description	Wastewater
Location	บริษัท วีอีเอ็ม (ไทยแลนด์) จำกัด โรงงาน 2 : VEM (THAILAND) CO., LTD.
Date Analysis Commenced	Aug 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	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 ทะเบียนเลขที ว-323-จ-9461 , Samart Khumphlee ทะเบียนเลขที ว-204-จ-0084

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Technical Management

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

Approved by

Kanokkorn Anek
Assistant General 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: 2486699
Date Received : Aug 02, 2024
Date Reported : Aug 09, 2024
Report Number : 3068107-1

Sample Number	2486699-1
Sampled Date	Aug 02, 2024 10:00 AM
Sample Description	Wastewater
Location	บริษัท ฮามาตั้น (ประเทศไทย) จำกัด
Date Analysis Commenced	Aug 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	83.6	≤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	258	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Rayong
pH at 25 degree C		-	-	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	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	123	≤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 , 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

Chontichak

Chonticha Subongkoch
Scientist (3)
ทะเบียนเลขที่ ว-323-จ-9449

Approved by

D.Thanon.

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: 2486699
Date Received : Aug 02, 2024
Date Reported : Aug 09, 2024
Report Number : 3068107-2

Sample Number	2486699-1
Sampled Date	Aug 02, 2024 10:00 AM
Sample Description	Wastewater
Location	บริษัท ฮามาตั้น (ประเทศไทย) จำกัด
Date Analysis Commenced	Aug 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 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
Assistant General 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: 2498609
Date Received : Sep 03, 2024
Date Reported : Sep 09, 2024
Report Number : 3093100-1

Sample Number	2498609-1
Sampled Date	Sep 03, 2024 2:32 PM
Sample Description	Wastewater
Location	บริษัท กัลฟ์ พีดี จำกัด : GULF PD COMPANY LIMITED.
Date Analysis Commenced	Sep 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	<2.0	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	<25	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Rayong
pH at 25 degree C		-	-	8.1	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Rayong
Temperature *	Degree C	-	-	29.5	≤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	44	≤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), Criteria of wastewater drainage from the factory to central wastewater treatment plant, dated 1 January, 2018 (B.E.2561)
Sampling By : Nattawut Athomprommarat ทะเบียนเลขที ว-323-จ-0006 , Kardbundit Kitisupavanit ทะเบียนเลขที ว-204-จ-0001

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

Technical Management

Photchana Seeda
Scientist (4)
ทะเบียนเลขที่ ว-323-จ-0028

Approved by

Dej Changchon
Senior Manager
ทะเบียนเลขที่ ว-323-ค-0001

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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: 2498609
Date Received : Sep 03, 2024
Date Reported : Sep 09, 2024
Report Number : 3093100-1

- 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

Photchana Seeda
Scientist (4)
ทะเบียนเลขที่ ว-323-จ-0028

Approved by

Dej Changchon
Senior Manager
ทะเบียนเลขที่ ว-323-ค-0001

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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: 2498609
Date Received : Sep 03, 2024
Date Reported : Sep 09, 2024
Report Number : 3093100-2

Sample Number	2498609-1
Sampled Date	Sep 03, 2024 2:32 PM
Sample Description	Wastewater
Location	บริษัท กัลฟ์ พีดี จำกัด : GULF PD COMPANY LIMITED.
Date Analysis Commenced	Sep 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), Criteria of wastewater drainage from the factory to central wastewater treatment plant, dated 1 January, 2018 (B.E.2561)
Sampling By : Nattawut Athomprommarat ทะเบียนเลขที่ ว-323-จ-0006 , Kardbundit Kitisupavanit ทะเบียนเลขที่ ว-204-จ-0001

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
Assistant General 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: 2498614
Date Received : Sep 02, 2024
Date Reported : Sep 09, 2024
Report Number : 3093114-1

Sample Number	2498614-1
Sampled Date	Sep 02, 2024 1:45 PM
Sample Description	Wastewater
Location	บริษัท วีอีเอ็ม (ไทยแลนด์) จำกัด โรงงาน 1 จุดที่ 1 : VEM (THAILAND) CO., LTD.
Date Analysis Commenced	Sep 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	39.5	≤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	157	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Rayong
pH at 25 degree C		-	-	8.3	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Rayong
Temperature *	Degree C	-	-	32.2	≤40	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	648	≤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	86	≤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), Criteria of wastewater drainage from the factory to central wastewater treatment plant, dated 1 January, 2018 (B.E.2561)
Sampling By : Ekkachai Tuntong ทะเบียนเลขที ว-323-จ-0022 , Kardbundit Kitisupavanit ทะเบียนเลขที ว-204-จ-0001

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

Technical Management

Photchana Seeda
Scientist (4)
ทะเบียนเลขที่ ว-323-จ-0028

Approved by

Dej Changchon
Senior Manager
ทะเบียนเลขที่ ว-323-ค-0001

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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: 2498614
Date Received : Sep 02, 2024
Date Reported : Sep 09, 2024
Report Number : 3093114-1

- 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

Photchana Seeda
Scientist (4)
ทะเบียนเลขที่ ว-323-จ-0028

Approved by

Dej Changchon
Senior Manager
ทะเบียนเลขที่ ว-323-ค-0001

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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: 2498614
Date Received : Sep 02, 2024
Date Reported : Sep 09, 2024
Report Number : 3093114-2

Sample Number	2498614-1
Sampled Date	Sep 02, 2024 1:45 PM
Sample Description	Wastewater
Location	บริษัท วีอีเอ็ม (ไทยแลนด์) จำกัด โรงงาน 1 จุดที่ 1 : VEM (THAILAND) CO., LTD.
Date Analysis Commenced	Sep 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	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), Criteria of wastewater drainage from the factory to central wastewater treatment plant, dated 1 January, 2018 (B.E.2561)
Sampling By : Ekkachai Tuntong ทะเบียนเลขที่ ว-323-จ-0022 , Kardbundit Kitisupavanit ทะเบียนเลขที่ ว-204-จ-0001

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
Assistant General 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: 2498615
Date Received : Sep 02, 2024
Date Reported : Sep 09, 2024
Report Number : 3093117-1

Sample Number	2498615-1
Sampled Date	Sep 02, 2024 2:30 PM
Sample Description	Wastewater
Location	บริษัท เซล อินดัสทรี (ไทยแลนด์) จำกัด : SAIL INDUSTRY (THAILAND) CO.,LTD.
Date Analysis Commenced	Sep 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	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	62	≤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		-	-	8.8	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Rayong
Temperature *	Degree C	-	-	30.9	≤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	1368	≤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	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), Criteria of wastewater drainage from the factory to central wastewater treatment plant, dated 1 January, 2018 (B.E.2561)
Sampling By : Ekkachai Tuntong ทะเบียนเลขที ว-323-จ-0022 , Kardbundit Kitisupavanit ทะเบียนเลขที ว-204-จ-0001

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

Technical Management

Photchana Seeda
Scientist (4)
ทะเบียนเลขที่ ว-323-จ-0028

Approved by

Dej Changchon
Senior Manager
ทะเบียนเลขที่ ว-323-ค-0001

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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: 2498615
Date Received : Sep 02, 2024
Date Reported : Sep 09, 2024
Report Number : 3093117-1

- 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

Photchana Seeda
Scientist (4)
ทะเบียนเลขที่ ว-323-จ-0028

Approved by

Dej Changchon
Senior Manager
ทะเบียนเลขที่ ว-323-ค-0001

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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: 2498615
Date Received : Sep 02, 2024
Date Reported : Sep 09, 2024
Report Number : 3093117-2

Sample Number	2498615-1
Sampled Date	Sep 02, 2024 2:30 PM
Sample Description	Wastewater
Location	บริษัท เซล อินดัสทรี (ไทยแลนด์) จำกัด : SAIL INDUSTRY (THAILAND) CO.,LTD.
Date Analysis Commenced	Sep 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	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), Criteria of wastewater drainage from the factory to central wastewater treatment plant, dated 1 January, 2018 (B.E.2561)
Sampling By : Ekkachai Tuntong ทะเบียนเลขที ว-323-จ-0022 , Kardbundit Kitisupavanit ทะเบียนเลขที ว-204-จ-0001

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
Assistant General 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: 2498616
Date Received : Sep 02, 2024
Date Reported : Sep 09, 2024
Report Number : 3093125-1

Sample Number	2498616-1
Sampled Date	Sep 02, 2024 11:10 AM
Sample Description	Wastewater
Location	บริษัท กีลอง (ประเทศไทย) จำกัด (จุดที่ 1) : GEELONG (THAILAND) CO.,LTD.
Date Analysis Commenced	Sep 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	53.3	≤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	249	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Rayong
pH at 25 degree C		-	-	7.9	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Rayong
Temperature *	Degree C	-	-	30.5	≤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	680	≤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	34.5	≤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	179	≤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), Criteria of wastewater drainage from the factory to central wastewater treatment plant, dated 1 January, 2018 (B.E.2561)
Sampling By : Ekkachai Tuntong ทะเบียนเลขที ว-323-จ-0022 , Kardbundit Kitisupavanit ทะเบียนเลขที ว-204-จ-0001

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

Technical Management

Photchana Seeda
Scientist (4)
ทะเบียนเลขที่ ว-323-จ-0028

Approved by

Dej Changchon
Senior Manager
ทะเบียนเลขที่ ว-323-ค-0001

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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: 2498616
Date Received : Sep 02, 2024
Date Reported : Sep 09, 2024
Report Number : 3093125-1

- 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

Photchana Seeda
Scientist (4)
ทะเบียนเลขที่ ว-323-จ-0028

Approved by

Dej Changchon
Senior Manager
ทะเบียนเลขที่ ว-323-ค-0001

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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: 2498616
Date Received : Sep 02, 2024
Date Reported : Sep 09, 2024
Report Number : 3093125-2

Sample Number	2498616-1
Sampled Date	Sep 02, 2024 11:10 AM
Sample Description	Wastewater
Location	บริษัท กีลอง (ประเทศไทย) จำกัด (จุดที่ 1) : GEELONG (THAILAND) CO.,LTD.
Date Analysis Commenced	Sep 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	47	≤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), Criteria of wastewater drainage from the factory to central wastewater treatment plant, dated 1 January, 2018 (B.E.2561)
Sampling By : Ekkachai Tuntong ทะเบียนเลขที่ ว-323-จ-0022 , Kardbundit Kitisupavanit ทะเบียนเลขที่ ว-204-จ-0001

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
Assistant General 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: 2498617
Date Received : Sep 02, 2024
Date Reported : Sep 09, 2024
Report Number : 3093129-1

Sample Number	2498617-1
Sampled Date	Sep 02, 2024 11:25 AM
Sample Description	Wastewater
Location	บริษัท กีลอง (ประเทศไทย) จำกัด (จุดที่ 2) : GEELONG (THAILAND) CO.,LTD.
Date Analysis Commenced	Sep 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	110	≤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	373	≤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
Temperature *	Degree C	-	-	30.6	≤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	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	155	≤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	62	≤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), Criteria of wastewater drainage from the factory to central wastewater treatment plant, dated 1 January, 2018 (B.E.2561)
Sampling By : Ekkachai Tuntong ทะเบียนเลขที ว-323-จ-0022 , Kardbundit Kitisupavanit ทะเบียนเลขที ว-204-จ-0001

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

Technical Management

Photchana Seeda
Scientist (4)
ทะเบียนเลขที่ ว-323-จ-0028

Approved by

Dej Changchon
Senior Manager
ทะเบียนเลขที่ ว-323-ค-0001

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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: 2498617
Date Received : Sep 02, 2024
Date Reported : Sep 09, 2024
Report Number : 3093129-1

- 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

Photchana Seeda
Scientist (4)
ทะเบียนเลขที่ ว-323-จ-0028

Approved by

Dej Changchon
Senior Manager
ทะเบียนเลขที่ ว-323-ค-0001

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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: 2498617
Date Received : Sep 02, 2024
Date Reported : Sep 09, 2024
Report Number : 3093129-2

Sample Number	2498617-1
Sampled Date	Sep 02, 2024 11:25 AM
Sample Description	Wastewater
Location	บริษัท กีลอง (ประเทศไทย) จำกัด (จุดที่ 2) : GEELONG (THAILAND) CO.,LTD.
Date Analysis Commenced	Sep 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), Criteria of wastewater drainage from the factory to central wastewater treatment plant, dated 1 January, 2018 (B.E.2561)
Sampling By : Ekkachai Tuntong ทะเบียนเลขที่ ว-323-จ-0022 , Kardbundit Kitisupavanit ทะเบียนเลขที่ ว-204-จ-0001

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
Assistant General 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: 2498618
Date Received : Sep 02, 2024
Date Reported : Sep 09, 2024
Report Number : 3093133-1

Sample Number	2498618-1
Sampled Date	Sep 02, 2024 2:40 PM
Sample Description	Wastewater
Location	บริษัท ซีลแมกซ์ ซีลลิ่ง โซลูชั่น จำกัด : SILMAX SEALING SOLUTION CO.,LTD.
Date Analysis Commenced	Sep 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	14.4	≤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	95	≤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
Temperature *	Degree C	-	-	29.7	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	404	≤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	47.7	≤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	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 : Ekkachai Tuntong ทะเบียนเลขที่ ว-323-จ-0022 , Kardbundit Kitisupavanit ทะเบียนเลขที่ ว-204-จ-0001

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

Photchana Seeda
Scientist (4)
ทะเบียนเลขที่ ว-323-จ-0028

Approved by

Dej Changchon
Senior Manager
ทะเบียนเลขที่ ว-323-ค-0001

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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: 2498618
Date Received : Sep 02, 2024
Date Reported : Sep 09, 2024
Report Number : 3093133-1

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

Technical Management

Photchana Seeda
Scientist (4)
ทะเบียนเลขที่ ว-323-จ-0028

Approved by

Dej Changchon
Senior Manager
ทะเบียนเลขที่ ว-323-ค-0001

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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: 2498618
Date Received : Sep 02, 2024
Date Reported : Sep 09, 2024
Report Number : 3093133-2

Sample Number	2498618-1
Sampled Date	Sep 02, 2024 2:40 PM
Sample Description	Wastewater
Location	บริษัท ซีลแมกซ์ ซีลลิ่ง โซลูชั่น จำกัด : SILMAX SEALING SOLUTION CO.,LTD.
Date Analysis Commenced	Sep 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 : Ekkachai Tuntong ทะเบียนเลขที่ ว-323-จ-0022 , Kardbundit Kitisupavanit ทะเบียนเลขที่ ว-204-จ-0001

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
Assistant General 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: 2498619
Date Received : Sep 02, 2024
Date Reported : Sep 09, 2024
Report Number : 3093136-1

Sample Number	2498619-1
Sampled Date	Sep 02, 2024 11:40 AM
Sample Description	Wastewater
Location	บริษัท เทียนกุง พรีซิชั่น ทูลส์ (ประเทศไทย) จำกัด : TIANGONG PRECISION TOOLS (THAILAND) CO.,LTD.
Date Analysis Commenced	Sep 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	61.7	≤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	251	≤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
Temperature *	Degree C	-	-	29.7	≤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	636	≤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	49.4	≤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	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), Criteria of wastewater drainage from the factory to central wastewater treatment plant, dated 1 January, 2018 (B.E.2561)
Sampling By : Ekkachai Tuntong ทะเบียนเลขที ว-323-จ-0022 , Kardbundit Kitisupavanit ทะเบียนเลขที ว-204-จ-0001

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

Technical Management

Photchana Seeda
Scientist (4)
ทะเบียนเลขที่ ว-323-จ-0028

Approved by

Dej Changchon
Senior Manager
ทะเบียนเลขที่ ว-323-ค-0001

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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: 2498619
Date Received : Sep 02, 2024
Date Reported : Sep 09, 2024
Report Number : 3093136-1

- 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

Photchana Seeda
Scientist (4)
ทะเบียนเลขที่ ว-323-จ-0028

Approved by

Dej Changchon
Senior Manager
ทะเบียนเลขที่ ว-323-ค-0001

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

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: 2498619
Date Received : Sep 02, 2024
Date Reported : Sep 09, 2024
Report Number : 3093136-2

Sample Number	2498619-1
Sampled Date	Sep 02, 2024 11:40 AM
Sample Description	Wastewater
Location	บริษัท เทียนกุง พรีซิชั่น ทูลส์ (ประเทศไทย) จำกัด : TIANGONG PRECISION TOOLS (THAILAND) CO.,LTD.
Date Analysis Commenced	Sep 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	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), Criteria of wastewater drainage from the factory to central wastewater treatment plant, dated 1 January, 2018 (B.E.2561)
Sampling By : Ekkachai Tuntong ทะเบียนเลขที่ ว-323-จ-0022 , Kardbundit Kitisupavanit ทะเบียนเลขที่ ว-204-จ-0001

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
Assistant General 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: 2498620
Date Received : Sep 02, 2024
Date Reported : Sep 09, 2024
Report Number : 3093141-1

Sample Number	2498620-1
Sampled Date	Sep 02, 2024 1:40 PM
Sample Description	Wastewater
Location	บริษัท วีอีเอ็ม (ไทยแลนด์) จำกัด โรงงาน 1 จุดที่ 2 : VEM (THAILAND) CO., LTD.
Date Analysis Commenced	Sep 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	20.7	≤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
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
Temperature *	Degree C	-	-	30.8	≤40	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	436	≤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	46.8	≤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), Criteria of wastewater drainage from the factory to central wastewater treatment plant, dated 1 January, 2018 (B.E.2561)
Sampling By : Ekkachai Tuntong ทะเบียนเลขที ว-323-จ-0022 , Kardbundit Kitisupavanit ทะเบียนเลขที ว-204-จ-0001

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

Technical Management

Photchana Seeda
Scientist (4)
ทะเบียนเลขที่ ว-323-จ-0028

Approved by

Dej Changchon
Senior Manager
ทะเบียนเลขที่ ว-323-ค-0001

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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: 2498620
Date Received : Sep 02, 2024
Date Reported : Sep 09, 2024
Report Number : 3093141-1

- 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

Photchana Seeda
Scientist (4)
ทะเบียนเลขที่ ว-323-จ-0028

Approved by

Dej Changchon
Senior Manager
ทะเบียนเลขที่ ว-323-ค-0001

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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: 2498620
Date Received : Sep 02, 2024
Date Reported : Sep 09, 2024
Report Number : 3093141-2

Sample Number	2498620-1
Sampled Date	Sep 02, 2024 1:40 PM
Sample Description	Wastewater
Location	บริษัท วีอีเอ็ม (ไทยแลนด์) จำกัด โรงงาน 1 จุดที่ 2 : VEM (THAILAND) CO., LTD.
Date Analysis Commenced	Sep 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	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), Criteria of wastewater drainage from the factory to central wastewater treatment plant, dated 1 January, 2018 (B.E.2561)
Sampling By : Ekkachai Tuntong ทะเบียนเลขที่ ว-323-จ-0022 , Kardbundit Kitisupavanit ทะเบียนเลขที่ ว-204-จ-0001

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
Assistant General 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: 2498621
Date Received : Sep 02, 2024
Date Reported : Sep 09, 2024
Report Number : 3093146-1

Sample Number	2498621-1
Sampled Date	Sep 02, 2024 2:50 PM
Sample Description	Wastewater
Location	บริษัท วีอีเอ็ม (ไทยแลนด์) จำกัด โรงงาน 2 : VEM (THAILAND) CO., LTD.
Date Analysis Commenced	Sep 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	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	173	≤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
Temperature *	Degree C	-	-	29.4	≤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	528	≤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	93.7	≤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), Criteria of wastewater drainage from the factory to central wastewater treatment plant, dated 1 January, 2018 (B.E.2561)
Sampling By : Ekkachai Tuntong ทะเบียนเลขที ว-323-จ-0022 , Kardbundit Kitisupavanit ทะเบียนเลขที ว-204-จ-0001

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

Technical Management

Photchana Seeda
Scientist (4)
ทะเบียนเลขที่ ว-323-จ-0028

Approved by

Dej Changchon
Senior Manager
ทะเบียนเลขที่ ว-323-ค-0001

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: 2498621
Date Received : Sep 02, 2024
Date Reported : Sep 09, 2024
Report Number : 3093146-1

- 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

Photchana Seeda
Scientist (4)
ทะเบียนเลขที่ ว-323-จ-0028

Approved by

Dej Changchon
Senior Manager
ทะเบียนเลขที่ ว-323-ค-0001

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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: 2498621
Date Received : Sep 02, 2024
Date Reported : Sep 09, 2024
Report Number : 3093146-2

Sample Number	2498621-1
Sampled Date	Sep 02, 2024 2:50 PM
Sample Description	Wastewater
Location	บริษัท วีอีเอ็ม (ไทยแลนด์) จำกัด โรงงาน 2 : VEM (THAILAND) CO., LTD.
Date Analysis Commenced	Sep 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	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), Criteria of wastewater drainage from the factory to central wastewater treatment plant, dated 1 January, 2018 (B.E.2561)
Sampling By : Ekkachai Tuntong ทะเบียนเลขที่ ว-323-จ-0022 , Kardbundit Kitisupavanit ทะเบียนเลขที่ ว-204-จ-0001

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
Assistant General 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: 2498622
Date Received : Sep 02, 2024
Date Reported : Sep 09, 2024
Report Number : 3093154-1

Sample Number	2498622-1
Sampled Date	Sep 02, 2024 2:00 PM
Sample Description	Wastewater
Location	บริษัท ฮามาตั้น (ประเทศไทย) จำกัด
Date Analysis Commenced	Sep 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	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	65	≤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
Temperature *	Degree C	-	-	30.1	≤40	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	336	≤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	45.1	≤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), Criteria of wastewater drainage from the factory to central wastewater treatment plant, dated 1 January, 2018 (B.E.2561)
Sampling By : Ekkachai Tuntong ทะเบียนเลขที ว-323-จ-0022 , Kardbundit Kitisupavanit ทะเบียนเลขที ว-204-จ-0001

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

Technical Management

Photchana Seeda
Scientist (4)
ทะเบียนเลขที่ ว-323-จ-0028

Approved by

Dej Changchon
Senior Manager
ทะเบียนเลขที่ ว-323-ค-0001

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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: 2498622
Date Received : Sep 02, 2024
Date Reported : Sep 09, 2024
Report Number : 3093154-1

- 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

Photchana Seeda
Scientist (4)
ทะเบียนเลขที่ ว-323-จ-0028

Approved by

Dej Changchon
Senior Manager
ทะเบียนเลขที่ ว-323-ค-0001

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ADDRESS 616/10 Moo 5 T. Maenam Khu A. Pluakdaeng Rayong 21140 Thailand | PHONE +66 0 3304 8555 | FAX +66 0 3304 8556
ALS LABORATORY GROUP (THAILAND) CO., LTD. An ALS Limited Company

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: 2498622
Date Received : Sep 02, 2024
Date Reported : Sep 09, 2024
Report Number : 3093154-2

Sample Number	2498622-1
Sampled Date	Sep 02, 2024 2:00 PM
Sample Description	Wastewater
Location	บริษัท ฮามาตั้น (ประเทศไทย) จำกัด
Date Analysis Commenced	Sep 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	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), Criteria of wastewater drainage from the factory to central wastewater treatment plant, dated 1 January, 2018 (B.E.2561)
Sampling By : Ekkachai Tuntong ทะเบียนเลขที่ ว-323-จ-0022 , Kardbundit Kitisupavanit ทะเบียนเลขที่ ว-204-จ-0001

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
Assistant General 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: 24109433
Date Received : Oct 01, 2024
Date Reported : Oct 07, 2024
Report Number : 3118159-1

Sample Number	24109433-1
Sampled Date	Oct 01, 2024 11:40 AM
Sample Description	Wastewater
Location	บริษัท กัลฟ์ พีดี จำกัด : GULF PD COMPANY LIMITED.
Date Analysis Commenced	Oct 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, 24th ed., 2023, 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, 24th ed., 2023, 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, 24th ed., 2023, part 4500 - H (B)	Rayong
Temperature *	Degree C	-	-	32.5	≤40	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	126	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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, 24th ed., 2023, 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, 24th ed., 2023, part 2540 D	Rayong

Guideline : Standard of Rojana Industrial park (Rayong), Criteria of wastewater drainage from the factory to central wastewater treatment plant, dated 1 January, 2018 (B.E.2561)
Sampling By : Phongthep Sitthiloh ทะเบียนเลขที่ ว-323-จ-0023 , Samart Khumphlee ทะเบียนเลขที่ ว-204-จ-0084

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

Technical Management

Photchana Seeda
Scientist (4)
ทะเบียนเลขที่ ว-323-จ-0028

Approved by

Dej Changchon
Senior Manager
ทะเบียนเลขที่ ว-323-ค-0001

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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: 24109433
Date Received : Oct 01, 2024
Date Reported : Oct 07, 2024
Report Number : 3118159-1

- 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

Photchana Seeda
Scientist (4)
ทะเบียนเลขที่ ว-323-จ-0028

Approved by

Dej Changchon
Senior Manager
ทะเบียนเลขที่ ว-323-ค-0001

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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: 24109433
Date Received : Oct 01, 2024
Date Reported : Oct 04, 2024
Report Number : 3118159-2

Sample Number	24109433-1
Sampled Date	Oct 01, 2024 11:40 AM
Sample Description	Wastewater
Location	บริษัท กัลฟ์ พีดี จำกัด : GULF PD COMPANY LIMITED.
Date Analysis Commenced	Oct 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, 24th ed., 2023, part 5520 D	Bangkok

Guideline : Standard of Rojana Industrial park (Rayong), Criteria of wastewater drainage from the factory to central wastewater treatment plant, dated 1 January, 2018 (B.E.2561)
Sampling By : Phongthep Sitthiloh ทะเบียนเลขที ว-323-จ-0023 , Samart Khumphlee ทะเบียนเลขที ว-204-จ-0084

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
Assistant General 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: 24109434
Date Received : Oct 01, 2024
Date Reported : Oct 07, 2024
Report Number : 3118163-1

Sample Number	24109434-1
Sampled Date	Oct 01, 2024 10:58 AM
Sample Description	Wastewater
Location	บริษัท วีอีเอ็ม (ไทยแลนด์) จำกัด โรงงาน 1 จุดที่ 1 : VEM (THAILAND) CO., LTD.
Date Analysis Commenced	Oct 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	27.8	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	74	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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, 24th ed., 2023, part 4500 - H (B)	Rayong
Temperature *	Degree C	-	-	31.8	≤40	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	412	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Total Kjeldahl Nitrogen as N	mg/L	-	1.0	20.4	≤100	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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, 24th ed., 2023, part 2540 D	Rayong

Guideline : Standard of Rojana Industrial park (Rayong), Criteria of wastewater drainage from the factory to central wastewater treatment plant, dated 1 January, 2018 (B.E.2561)
Sampling By : Phongthep Sitthiloh ทะเบียนเลขที่ ว-323-จ-0023 , Samart Khumphlee ทะเบียนเลขที่ ว-204-จ-0084

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

Technical Management

Photchana Seeda
Scientist (4)
ทะเบียนเลขที่ ว-323-จ-0028

Approved by

Dej Changchon
Senior Manager
ทะเบียนเลขที่ ว-323-ค-0001

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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: 24109434
Date Received : Oct 01, 2024
Date Reported : Oct 07, 2024
Report Number : 3118163-1

- 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

Photchana Seeda
Scientist (4)
ทะเบียนเลขที่ ว-323-จ-0028

Approved by

Dej Changchon
Senior Manager
ทะเบียนเลขที่ ว-323-ค-0001

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ADDRESS 616/10 Moo 5 T. Maenam Khu A. Pluakdaeng Rayong 21140 Thailand | PHONE +66 0 3304 8555 | FAX +66 0 3304 8556
ALS LABORATORY GROUP (THAILAND) CO., LTD. An ALS Limited Company

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: 24109434
Date Received : Oct 01, 2024
Date Reported : Oct 04, 2024
Report Number : 3118163-2

Sample Number	24109434-1
Sampled Date	Oct 01, 2024 10:58 AM
Sample Description	Wastewater
Location	บริษัท วีอีเอ็ม (ไทยแลนด์) จำกัด โรงงาน 1 จุดที่ 1 : VEM (THAILAND) CO., LTD.
Date Analysis Commenced	Oct 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, 24th ed., 2023, part 5520 D	Bangkok

Guideline : Standard of Rojana Industrial park (Rayong), Criteria of wastewater drainage from the factory to central wastewater treatment plant, dated 1 January, 2018 (B.E.2561)
Sampling By : Phongthep Sitthiloh ทะเบียนเลขที่ ว-323-จ-0023 , Samart Khumphlee ทะเบียนเลขที่ ว-204-จ-0084

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
Assistant General 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: 24109435
Date Received : Oct 01, 2024
Date Reported : Oct 07, 2024
Report Number : 3118165-1

Sample Number	24109435-1
Sampled Date	Oct 01, 2024 10:25 AM
Sample Description	Wastewater
Location	บริษัท เซล อินดัสทรี (ไทยแลนด์) จำกัด : SAIL INDUSTRY (THAILAND) CO.,LTD.
Date Analysis Commenced	Oct 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	6.5	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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, 24th ed., 2023, 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, 24th ed., 2023, part 4500 - H (B)	Rayong
Temperature *	Degree C	-	-	31.7	≤40	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	936	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Total Kjeldahl Nitrogen as N	mg/L	-	1.0	15.7	≤100	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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, 24th ed., 2023, part 2540 D	Rayong

Guideline : Standard of Rojana Industrial park (Rayong), Criteria of wastewater drainage from the factory to central wastewater treatment plant, dated 1 January, 2018 (B.E.2561)
Sampling By : Phongthep Sitthiloh ทะเบียนเลขที่ ว-323-จ-0023 , Samart Khumphlee ทะเบียนเลขที่ ว-204-จ-0084

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

Technical Management
Photchana Seeda
Scientist (4)
ทะเบียนเลขที่ ว-323-จ-0028

Approved by
Dej Changchon
Senior Manager
ทะเบียนเลขที่ ว-323-ค-0001

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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: 24109435
Date Received : Oct 01, 2024
Date Reported : Oct 07, 2024
Report Number : 3118165-1

- 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

Photchana Seeda
Scientist (4)
ทะเบียนเลขที่ ว-323-จ-0028

Approved by

Dej Changchon
Senior Manager
ทะเบียนเลขที่ ว-323-ค-0001

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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: 24109435
Date Received : Oct 01, 2024
Date Reported : Oct 04, 2024
Report Number : 3118165-2

Sample Number	24109435-1
Sampled Date	Oct 01, 2024 10:25 AM
Sample Description	Wastewater
Location	บริษัท เซล อินดัสทรี (ไทยแลนด์) จำกัด : SAIL INDUSTRY (THAILAND) CO.,LTD.
Date Analysis Commenced	Oct 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, 24th ed., 2023, part 5520 D	Bangkok

Guideline : Standard of Rojana Industrial park (Rayong), Criteria of wastewater drainage from the factory to central wastewater treatment plant, dated 1 January, 2018 (B.E.2561)
Sampling By : Phongthep Sitthiloh ทะเบียนเลขที่ ว-323-จ-0023 , Samart Khumphlee ทะเบียนเลขที่ ว-204-จ-0084

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
Assistant General 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: 24109436
Date Received : Oct 01, 2024
Date Reported : Oct 07, 2024
Report Number : 3118166-1

Sample Number	24109436-1
Sampled Date	Oct 01, 2024 9:15 AM
Sample Description	Wastewater
Location	บริษัท กีลอง (ประเทศไทย) จำกัด (จุดที่ 1) : GEELONG (THAILAND) CO.,LTD.
Date Analysis Commenced	Oct 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	4.1	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	34	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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, 24th ed., 2023, part 4500 - H (B)	Rayong
Temperature *	Degree C	-	-	31.1	≤40	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	448	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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, 24th ed., 2023, 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, 24th ed., 2023, part 2540 D	Rayong

Guideline : Standard of Rojana Industrial park (Rayong), Criteria of wastewater drainage from the factory to central wastewater treatment plant, dated 1 January, 2018 (B.E.2561)
Sampling By : Phongthep Sitthiloh ทะเบียนเลขที่ ว-323-จ-0023 , Samart Khumphlee ทะเบียนเลขที่ ว-204-จ-0084

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

Technical Management

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Scientist (4)
ทะเบียนเลขที่ ว-323-จ-0028

Approved by

Dej Changchon
Senior Manager
ทะเบียนเลขที่ ว-323-ค-0001

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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: 24109436
Date Received : Oct 01, 2024
Date Reported : Oct 07, 2024
Report Number : 3118166-1

- 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

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Scientist (4)
ทะเบียนเลขที่ ว-323-จ-0028

Approved by

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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: 24109436
Date Received : Oct 01, 2024
Date Reported : Oct 04, 2024
Report Number : 3118166-2

Sample Number	24109436-1
Sampled Date	Oct 01, 2024 9:15 AM
Sample Description	Wastewater
Location	บริษัท กีลอง (ประเทศไทย) จำกัด (จุดที่ 1) : GEELONG (THAILAND) CO.,LTD.
Date Analysis Commenced	Oct 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, 24th ed., 2023, part 5520 D	Bangkok

Guideline : Standard of Rojana Industrial park (Rayong), Criteria of wastewater drainage from the factory to central wastewater treatment plant, dated 1 January, 2018 (B.E.2561)
Sampling By : Phongthep Sitthiloh ทะเบียนเลขที่ ว-323-จ-0023 , Samart Khumphlee ทะเบียนเลขที่ ว-204-จ-0084

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
Assistant General 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: 24109437
Date Received : Oct 01, 2024
Date Reported : Oct 07, 2024
Report Number : 3118168-1

Sample Number	24109437-1
Sampled Date	Oct 01, 2024 9:30 AM
Sample Description	Wastewater
Location	บริษัท กีลอง (ประเทศไทย) จำกัด (จุดที่ 2) : GEELONG (THAILAND) CO.,LTD.
Date Analysis Commenced	Oct 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	16.0	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	51	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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, 24th ed., 2023, part 4500 - H (B)	Rayong
Temperature *	Degree C	-	-	30.4	≤40	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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, 24th ed., 2023, part 2540 C	Rayong
Total Kjeldahl Nitrogen as N	mg/L	-	1.0	26.1	≤100	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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, 24th ed., 2023, part 2540 D	Rayong

Guideline : Standard of Rojana Industrial park (Rayong), Criteria of wastewater drainage from the factory to central wastewater treatment plant, dated 1 January, 2018 (B.E.2561)
Sampling By : Phongthep Sitthiloh ทะเบียนเลขที่ ว-323-จ-0023 , Samart Khumphlee ทะเบียนเลขที่ ว-204-จ-0084

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

Technical Management

Photchana Seeda
Scientist (4)
ทะเบียนเลขที่ ว-323-จ-0028

Approved by

Dej Changchon
Senior Manager
ทะเบียนเลขที่ ว-323-ค-0001

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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: 24109437
Date Received : Oct 01, 2024
Date Reported : Oct 07, 2024
Report Number : 3118168-1

- 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

Photchana Seeda
Scientist (4)
ทะเบียนเลขที่ ว-323-จ-0028

Approved by

Dej Changchon
Senior Manager
ทะเบียนเลขที่ ว-323-ค-0001

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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: 24109437
Date Received : Oct 01, 2024
Date Reported : Oct 04, 2024
Report Number : 3118168-2

Sample Number	24109437-1
Sampled Date	Oct 01, 2024 9:30 AM
Sample Description	Wastewater
Location	บริษัท กีลอง (ประเทศไทย) จำกัด (จุดที่ 2) : GEELONG (THAILAND) CO.,LTD.
Date Analysis Commenced	Oct 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, 24th ed., 2023, part 5520 D	Bangkok

Guideline : Standard of Rojana Industrial park (Rayong), Criteria of wastewater drainage from the factory to central wastewater treatment plant, dated 1 January, 2018 (B.E.2561)
Sampling By : Phongthep Sitthiloh ทะเบียนเลขที่ ว-323-จ-0023 , Samart Khumphlee ทะเบียนเลขที่ ว-204-จ-0084

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
Assistant General 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: 24109438
Date Received : Oct 01, 2024
Date Reported : Oct 07, 2024
Report Number : 3118169-1

Sample Number	24109438-1
Sampled Date	Oct 01, 2024 10:45 AM
Sample Description	Wastewater
Location	บริษัท ซีลแมกซ์ ซีลลิ่ง โซลูชั่น จำกัด : SILMAX SEALING SOLUTION CO.,LTD.
Date Analysis Commenced	Oct 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	59.6	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	166	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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, 24th ed., 2023, part 4500 - H (B)	Rayong
Temperature *	Degree C	-	-	31.6	≤40	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	584	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Total Kjeldahl Nitrogen as N	mg/L	-	1.0	75.7	≤100	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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, 24th ed., 2023, part 2540 D	Rayong

Guideline : Standard of Rojana Industrial park (Rayong), Criteria of wastewater drainage from the factory to central wastewater treatment plant, dated 1 January, 2018 (B.E.2561)
Sampling By : Phongthep Sitthiloh ทะเบียนเลขที่ ว-323-จ-0023 , Samart Khumphlee ทะเบียนเลขที่ ว-204-จ-0084

Remark :
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Technical Management

Photchana Seeda
Scientist (4)
ทะเบียนเลขที่ ว-323-จ-0028

Approved by

Dej Changchon
Senior Manager
ทะเบียนเลขที่ ว-323-ค-0001

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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: 24109438
Date Received : Oct 01, 2024
Date Reported : Oct 07, 2024
Report Number : 3118169-1

- 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

Photchana Seeda
Scientist (4)
ทะเบียนเลขที่ ว-323-จ-0028

Approved by

Dej Changchon
Senior Manager
ทะเบียนเลขที่ ว-323-ค-0001

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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: 24109438
Date Received : Oct 01, 2024
Date Reported : Oct 04, 2024
Report Number : 3118169-2

Sample Number	24109438-1
Sampled Date	Oct 01, 2024 10:45 AM
Sample Description	Wastewater
Location	บริษัท ซีลแมกซ์ ซีลลิ่ง โซลูชั่น จำกัด : SILMAX SEALING SOLUTION CO.,LTD.
Date Analysis Commenced	Oct 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, 24th ed., 2023, part 5520 D	Bangkok

Guideline : Standard of Rojana Industrial park (Rayong), Criteria of wastewater drainage from the factory to central wastewater treatment plant, dated 1 January, 2018 (B.E.2561)
Sampling By : Phongthep Sitthiloh ทะเบียนเลขที ว-323-จ-0023 , Samart Khumphlee ทะเบียนเลขที ว-204-จ-0084

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
Assistant General 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: 24109439
Date Received : Oct 01, 2024
Date Reported : Oct 07, 2024
Report Number : 3118170-1

Sample Number	24109439-1
Sampled Date	Oct 01, 2024 9:50 AM
Sample Description	Wastewater
Location	บริษัท เทียนกุง พรีซิชั่น ทูลส์ (ประเทศไทย) จำกัด : TIANGONG PRECISION TOOLS (THAILAND) CO.,LTD.
Date Analysis Commenced	Oct 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	194	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	531	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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, 24th ed., 2023, part 4500 - H (B)	Rayong
Temperature *	Degree C	-	-	31.3	≤40	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	1312	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Total Kjeldahl Nitrogen as N	mg/L	-	1.0	78.8	≤100	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-Norg (C), part NH3 (D)	Rayong
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	110	≤200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Rayong

Guideline : Standard of Rojana Industrial park (Rayong), Criteria of wastewater drainage from the factory to central wastewater treatment plant, dated 1 January, 2018 (B.E.2561)
Sampling By : Phongthep Sitthiloh ทะเบียนเลขที่ ว-323-จ-0023 , Samart Khumphlee ทะเบียนเลขที่ ว-204-จ-0084

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

Technical Management

Photchana Seeda
Scientist (4)
ทะเบียนเลขที่ ว-323-จ-0028

Approved by

Dej Changchon
Senior Manager
ทะเบียนเลขที่ ว-323-ค-0001

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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: 24109439
Date Received : Oct 01, 2024
Date Reported : Oct 07, 2024
Report Number : 3118170-1

- 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

Photchana Seeda
Scientist (4)
ทะเบียนเลขที่ ว-323-จ-0028

Approved by

Dej Changchon
Senior Manager
ทะเบียนเลขที่ ว-323-ค-0001

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ADDRESS 616/10 Moo 5 T. Maenam Khu A. Pluakdaeng Rayong 21140 Thailand | PHONE +66 0 3304 8555 | FAX +66 0 3304 8556
ALS LABORATORY GROUP (THAILAND) CO., LTD. An ALS Limited Company

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: 24109439
Date Received : Oct 01, 2024
Date Reported : Oct 04, 2024
Report Number : 3118170-2

Sample Number	24109439-1
Sampled Date	Oct 01, 2024 9:50 AM
Sample Description	Wastewater
Location	บริษัท เทียนกุง พรีซิชั่น ทูลส์ (ประเทศไทย) จำกัด : TIANGONG PRECISION TOOLS (THAILAND) CO.,LTD.
Date Analysis Commenced	Oct 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	29	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 D	Bangkok

Guideline : Standard of Rojana Industrial park (Rayong), Criteria of wastewater drainage from the factory to central wastewater treatment plant, dated 1 January, 2018 (B.E.2561)
Sampling By : Phongthep Sitthiloh ทะเบียนเลขที ว-323-จ-0023 , Samart Khumphlee ทะเบียนเลขที ว-204-จ-0084

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
Assistant General 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: 24109440
Date Received : Oct 01, 2024
Date Reported : Oct 07, 2024
Report Number : 3118172-1

Sample Number	24109440-1
Sampled Date	Oct 01, 2024 11:01 AM
Sample Description	Wastewater
Location	บริษัท วีอีเอ็ม (ไทยแลนด์) จำกัด โรงงาน 1 จุดที่ 2 : VEM (THAILAND) CO., LTD.
Date Analysis Commenced	Oct 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	54.2	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	147	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5220 D	Rayong
pH at 25 degree C		-	-	8.3	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong
Temperature *	Degree C	-	-	32.7	≤40	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	528	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Total Kjeldahl Nitrogen as N	mg/L	-	1.0	81.9	≤100	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-Norg (C), part NH3 (D)	Rayong
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	48	≤200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Rayong

Guideline : Standard of Rojana Industrial park (Rayong), Criteria of wastewater drainage from the factory to central wastewater treatment plant, dated 1 January, 2018 (B.E.2561)
Sampling By : Phongthep Sitthiloh ทะเบียนเลขที่ ว-323-จ-0023 , Samart Khumphlee ทะเบียนเลขที่ ว-204-จ-0084

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

Technical Management

Photchana Seeda
Scientist (4)
ทะเบียนเลขที่ ว-323-จ-0028

Approved by

Dej Changchon
Senior Manager
ทะเบียนเลขที่ ว-323-ค-0001

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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: 24109440
Date Received : Oct 01, 2024
Date Reported : Oct 07, 2024
Report Number : 3118172-1

- 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

Photchana Seeda
Scientist (4)
ทะเบียนเลขที่ ว-323-จ-0028

Approved by

Dej Changchon
Senior Manager
ทะเบียนเลขที่ ว-323-ค-0001

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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: 24109440
Date Received : Oct 01, 2024
Date Reported : Oct 04, 2024
Report Number : 3118172-2

Sample Number	24109440-1
Sampled Date	Oct 01, 2024 11:01 AM
Sample Description	Wastewater
Location	บริษัท วีอีเอ็ม (ไทยแลนด์) จำกัด โรงงาน 1 จุดที่ 2 : VEM (THAILAND) CO., LTD.
Date Analysis Commenced	Oct 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, 24th ed., 2023, part 5520 D	Bangkok

Guideline : Standard of Rojana Industrial park (Rayong), Criteria of wastewater drainage from the factory to central wastewater treatment plant, dated 1 January, 2018 (B.E.2561)
Sampling By : Phongthep Sitthiloh ทะเบียนเลขที่ ว-323-จ-0023 , Samart Khumphlee ทะเบียนเลขที่ ว-204-จ-0084

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
Assistant General 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: 24109441
Date Received : Oct 01, 2024
Date Reported : Oct 07, 2024
Report Number : 3118173-1

Sample Number	24109441-1
Sampled Date	Oct 01, 2024 11:15 AM
Sample Description	Wastewater
Location	บริษัท วีอีเอ็ม (ไทยแลนด์) จำกัด โรงงาน 2 : VEM (THAILAND) CO., LTD.
Date Analysis Commenced	Oct 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	38.2	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	91	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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, 24th ed., 2023, part 4500 - H (B)	Rayong
Temperature *	Degree C	-	-	31.0	≤40	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	444	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Total Kjeldahl Nitrogen as N	mg/L	-	1.0	69.2	≤100	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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, 24th ed., 2023, part 2540 D	Rayong

Guideline : Standard of Rojana Industrial park (Rayong), Criteria of wastewater drainage from the factory to central wastewater treatment plant, dated 1 January, 2018 (B.E.2561)
Sampling By : Phongthep Sitthiloh ทะเบียนเลขที่ ว-323-จ-0023 , Samart Khumphlee ทะเบียนเลขที่ ว-204-จ-0084

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

Technical Management
Photchana Seeda
Scientist (4)
ทะเบียนเลขที่ ว-323-จ-0028

Approved by
Dej Changchon
Senior Manager
ทะเบียนเลขที่ ว-323-ค-0001

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: 24109441
Date Received : Oct 01, 2024
Date Reported : Oct 07, 2024
Report Number : 3118173-1

- 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 17

Technical Management

Photchana Seeda
Scientist (4)
ทะเบียนเลขที่ ว-323-จ-0028

Approved by

Dej Changchon
Senior Manager
ทะเบียนเลขที่ ว-323-ค-0001

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ADDRESS 616/10 Moo 5 T. Maenam Khu A. Pluakdaeng Rayong 21140 Thailand | PHONE +66 0 3304 8555 | FAX +66 0 3304 8556
ALS LABORATORY GROUP (THAILAND) CO., LTD. An ALS Limited Company

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: 24109441
Date Received : Oct 01, 2024
Date Reported : Oct 04, 2024
Report Number : 3118173-2

Sample Number	24109441-1
Sampled Date	Oct 01, 2024 11:15 AM
Sample Description	Wastewater
Location	บริษัท วีอีเอ็ม (ไทยแลนด์) จำกัด โรงงาน 2 : VEM (THAILAND) CO., LTD.
Date Analysis Commenced	Oct 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, 24th ed., 2023, part 5520 D	Bangkok

Guideline : Standard of Rojana Industrial park (Rayong), Criteria of wastewater drainage from the factory to central wastewater treatment plant, dated 1 January, 2018 (B.E.2561)
Sampling By : Phongthep Sitthiloh ทะเบียนเลขที่ ว-323-จ-0023 , Samart Khumphlee ทะเบียนเลขที่ ว-204-จ-0084

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
Assistant General 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: 24109442
Date Received : Oct 01, 2024
Date Reported : Oct 07, 2024
Report Number : 3118174-1

Sample Number	24109442-1
Sampled Date	Oct 01, 2024 10:35 AM
Sample Description	Wastewater
Location	บริษัท ฮามาตั้น (ประเทศไทย) จำกัด
Date Analysis Commenced	Oct 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	44.9	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	260	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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, 24th ed., 2023, part 4500 - H (B)	Rayong
Temperature *	Degree C	-	-	31.3	≤40	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	1320	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Total Kjeldahl Nitrogen as N	mg/L	-	1.0	58.7	≤100	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-Norg (C), part NH3 (D)	Rayong
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	48	≤200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Rayong

Guideline : Standard of Rojana Industrial park (Rayong), Criteria of wastewater drainage from the factory to central wastewater treatment plant, dated 1 January, 2018 (B.E.2561)
Sampling By : Phongthep Sitthiloh ทะเบียนเลขที่ ว-323-จ-0023 , Samart Khumphlee ทะเบียนเลขที่ ว-204-จ-0084

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

Technical Management
Photchana Seeda
Scientist (4)
ทะเบียนเลขที่ ว-323-จ-0028

Approved by
Dej Changchon
Senior Manager
ทะเบียนเลขที่ ว-323-ค-0001

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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: 24109442
Date Received : Oct 01, 2024
Date Reported : Oct 07, 2024
Report Number : 3118174-1

- 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

Photchana Seeda
Scientist (4)
ทะเบียนเลขที่ ว-323-จ-0028

Approved by

Dej Changchon
Senior Manager
ทะเบียนเลขที่ ว-323-ค-0001

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

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: 24109442
Date Received : Oct 01, 2024
Date Reported : Oct 04, 2024
Report Number : 3118174-2

Sample Number	24109442-1
Sampled Date	Oct 01, 2024 10:35 AM
Sample Description	Wastewater
Location	บริษัท ฮามาตั้น (ประเทศไทย) จำกัด
Date Analysis Commenced	Oct 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, 24th ed., 2023, part 5520 D	Bangkok

Guideline : Standard of Rojana Industrial park (Rayong), Criteria of wastewater drainage from the factory to central wastewater treatment plant, dated 1 January, 2018 (B.E.2561)
Sampling By : Phongthep Sitthiloh ทะเบียนเลขที่ ว-323-จ-0023 , Samart Khumphlee ทะเบียนเลขที่ ว-204-จ-0084

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
Assistant General 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: 24113522
Date Received : Oct 01, 2024
Date Reported : Oct 07, 2024
Report Number : 3125483-1

Sample Number	24113522-1
Sampled Date	Oct 01, 2024 10:05 AM
Sample Description	Wastewater
Location	บริษัท มานูไทย เทคโนโลยี จำกัด
Date Analysis Commenced	Oct 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	11.2	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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, 24th ed., 2023, part 5220 D	Rayong
pH at 25 degree C		-	-	8.3	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong
Temperature *	Degree C	-	-	31.4	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2550 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, 24th ed., 2023, part 2540 C	Rayong
Total Kjeldahl Nitrogen as N	mg/L	-	1.0	56.0	≤100	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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, 24th ed., 2023, 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 : Phongthep Sitthiloh ทะเบียนเลขที่ ว-323-จ-0023 , 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.

Technical Management

Photchana Seeda
Scientist (4)
ทะเบียนเลขที่ ว-323-จ-0028

Approved by

Dej Changchon
Senior Manager
ทะเบียนเลขที่ ว-323-ค-0001

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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: 24113522
Date Received : Oct 01, 2024
Date Reported : Oct 07, 2024
Report Number : 3125483-1

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

Technical Management

Photchana Seeda
Scientist (4)
ทะเบียนเลขที่ ว-323-จ-0028

Approved by

Dej Changchon
Senior Manager
ทะเบียนเลขที่ ว-323-ค-0001

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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: 24113522
Date Received : Oct 01, 2024
Date Reported : Oct 04, 2024
Report Number : 3125483-2

Sample Number	24113522-1
Sampled Date	Oct 01, 2024 10:05 AM
Sample Description	Wastewater
Location	บริษัท มานูไทย เทคโนโลยี จำกัด
Date Analysis Commenced	Oct 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, 24th ed., 2023, 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 : Phongthep Sitthiloh ทะเบียนเลขที ว-323-จ-0023 , Samart Khumphlee ทะเบียนเลขที ว-204-จ-0084

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
Assistant General 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: 24124502
Date Received : Nov 01, 2024
Date Reported : Nov 08, 2024
Report Number : 3150955-1

Sample Number	24124502-1
Sampled Date	Nov 01, 2024 11:34 AM
Sample Description	Wastewater
Location	บริษัท กัลฟ์ พีดี จำกัด : GULF PD COMPANY LIMITED.
Date Analysis Commenced	Nov 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, 24th ed., 2023, 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, 24th ed., 2023, 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, 24th ed., 2023, part 4500 - H (B)	Rayong
Temperature *	Degree C	-	-	29.8	≤40	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	65	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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, 24th ed., 2023, 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, 24th ed., 2023, part 2540 D	Rayong

Guideline : Standard of Rojana Industrial park (Rayong), Criteria of wastewater drainage from the factory to central wastewater treatment plant, dated 1 January, 2018 (B.E.2561)
Sampling By : Suphanat Sakulk ทะเบียนเลขที่ ว-323-จ-0021 , Samart Khumphlee ทะเบียนเลขที่ ว-204-จ-0084

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

Technical Management

Photchana Seeda
Scientist (4)
ทะเบียนเลขที่ ว-323-จ-0028

Approved by

Dej Changchon
Senior Manager
ทะเบียนเลขที่ ว-323-ค-0001

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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: 24124502
Date Received : Nov 01, 2024
Date Reported : Nov 08, 2024
Report Number : 3150955-1

- 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

Photchana Seeda
Scientist (4)
ทะเบียนเลขที่ ว-323-จ-0028

Approved by

Dej Changchon
Senior Manager
ทะเบียนเลขที่ ว-323-ค-0001

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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: 24124502
Date Received : Nov 01, 2024
Date Reported : Nov 06, 2024
Report Number : 3150955-2

Sample Number	24124502-1
Sampled Date	Nov 01, 2024 11:34 AM
Sample Description	Wastewater
Location	บริษัท กัลฟ์ พีดี จำกัด : GULF PD COMPANY LIMITED.
Date Analysis Commenced	Nov 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, 24th ed., 2023, part 5520 D	Bangkok

Guideline : Standard of Rojana Industrial park (Rayong), Criteria of wastewater drainage from the factory to central wastewater treatment plant, dated 1 January, 2018 (B.E.2561)
Sampling By : Suphanat Sakulk ทะเบียนเลขที่ ว-323-จ-0021 , Samart Khumphlee ทะเบียนเลขที่ ว-204-จ-0084

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
Assistant General 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: 24124503
Date Received : Nov 01, 2024
Date Reported : Nov 08, 2024
Report Number : 3150960-1

Sample Number	24124503-1
Sampled Date	Nov 01, 2024 10:57 AM
Sample Description	Wastewater
Location	บริษัท วีอีเอ็ม (ไทยแลนด์) จำกัด โรงงาน 1 จุดที่ 1 : VEM (THAILAND) CO., LTD.
Date Analysis Commenced	Nov 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	52.9	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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, 24th ed., 2023, 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, 24th ed., 2023, part 4500 - H (B)	Rayong
Temperature *	Degree C	-	-	30.2	≤40	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	448	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Total Kjeldahl Nitrogen as N	mg/L	-	1.0	32.4	≤100	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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, 24th ed., 2023, part 2540 D	Rayong

Guideline : Standard of Rojana Industrial park (Rayong), Criteria of wastewater drainage from the factory to central wastewater treatment plant, dated 1 January, 2018 (B.E.2561)
Sampling By : Suphanat Sakulk ทะเบียนเลขที่ ว-323-จ-0021 , Samart Khumphlee ทะเบียนเลขที่ ว-204-จ-0084

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

Technical Management

Photchana Seeda
Scientist (4)
ทะเบียนเลขที่ ว-323-จ-0028

Approved by

Dej Changchon
Senior Manager
ทะเบียนเลขที่ ว-323-ค-0001

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: 24124503
Date Received : Nov 01, 2024
Date Reported : Nov 08, 2024
Report Number : 3150960-1

- 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

Photchana Seeda
Scientist (4)
ทะเบียนเลขที่ ว-323-จ-0028

Approved by

Dej Changchon
Senior Manager
ทะเบียนเลขที่ ว-323-ค-0001

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

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: 24124503
Date Received : Nov 01, 2024
Date Reported : Nov 06, 2024
Report Number : 3150960-2

Sample Number	24124503-1
Sampled Date	Nov 01, 2024 10:57 AM
Sample Description	Wastewater
Location	บริษัท วีอีเอ็ม (ไทยแลนด์) จำกัด โรงงาน 1 จุดที่ 1 : VEM (THAILAND) CO., LTD.
Date Analysis Commenced	Nov 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, 24th ed., 2023, part 5520 D	Bangkok

Guideline : Standard of Rojana Industrial park (Rayong), Criteria of wastewater drainage from the factory to central wastewater treatment plant, dated 1 January, 2018 (B.E.2561)
Sampling By : Suphanat Sakulk ทะเบียนเลขที่ ว-323-จ-0021 , Samart Khumphlee ทะเบียนเลขที่ ว-204-จ-0084

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
Assistant General 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: 24124504
Date Received : Nov 01, 2024
Date Reported : Nov 08, 2024
Report Number : 3150961-1

Sample Number	24124504-1
Sampled Date	Nov 01, 2024 10:26 AM
Sample Description	Wastewater
Location	บริษัท เซล อินดัสทรี (ไทยแลนด์) จำกัด : SAIL INDUSTRY (THAILAND) CO.,LTD.
Date Analysis Commenced	Nov 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	9.8	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	104	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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, 24th ed., 2023, part 4500 - H (B)	Rayong
Temperature *	Degree C	-	-	30.8	≤40	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	1028	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Total Kjeldahl Nitrogen as N	mg/L	-	1.0	35.6	≤100	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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, 24th ed., 2023, part 2540 D	Rayong

Guideline : Standard of Rojana Industrial park (Rayong), Criteria of wastewater drainage from the factory to central wastewater treatment plant, dated 1 January, 2018 (B.E.2561)
Sampling By : Suphanat Sakulk ทะเบียนเลขที่ ว-323-จ-0021 , Samart Khumphlee ทะเบียนเลขที่ ว-204-จ-0084

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

Technical Management

Photchana Seeda
Scientist (4)
ทะเบียนเลขที่ ว-323-จ-0028

Approved by

Dej Changchon
Senior Manager
ทะเบียนเลขที่ ว-323-ค-0001

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: 24124504
Date Received : Nov 01, 2024
Date Reported : Nov 08, 2024
Report Number : 3150961-1

- 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

Photchana Seeda
Scientist (4)
ทะเบียนเลขที่ ว-323-จ-0028

Approved by

Dej Changchon
Senior Manager
ทะเบียนเลขที่ ว-323-ค-0001

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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: 24124504
Date Received : Nov 01, 2024
Date Reported : Nov 06, 2024
Report Number : 3150961-2

Sample Number	24124504-1
Sampled Date	Nov 01, 2024 10:26 AM
Sample Description	Wastewater
Location	บริษัท เซล อินดัสทรี (ไทยแลนด์) จำกัด : SAIL INDUSTRY (THAILAND) CO.,LTD.
Date Analysis Commenced	Nov 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, 24th ed., 2023, part 5520 D	Bangkok

Guideline : Standard of Rojana Industrial park (Rayong), Criteria of wastewater drainage from the factory to central wastewater treatment plant, dated 1 January, 2018 (B.E.2561)
Sampling By : Suphanat Sakulk ทะเบียนเลขที ว-323-จ-0021 , Samart Khumphlee ทะเบียนเลขที ว-204-จ-0084

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
Assistant General 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: 24124505
Date Received : Nov 01, 2024
Date Reported : Nov 08, 2024
Report Number : 3150964-1

Sample Number	24124505-1
Sampled Date	Nov 01, 2024 9:30 AM
Sample Description	Wastewater
Location	บริษัท กีลอง (ประเทศไทย) จำกัด (จุดที่ 1) : GEELONG (THAILAND) CO.,LTD.
Date Analysis Commenced	Nov 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	31.3	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	82	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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, 24th ed., 2023, part 4500 - H (B)	Rayong
Temperature *	Degree C	-	-	31.3	≤40	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2550 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, 24th ed., 2023, part 2540 C	Rayong
Total Kjeldahl Nitrogen as N	mg/L	-	1.0	28.5	≤100	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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, 24th ed., 2023, part 2540 D	Rayong

Guideline : Standard of Rojana Industrial park (Rayong), Criteria of wastewater drainage from the factory to central wastewater treatment plant, dated 1 January, 2018 (B.E.2561)
Sampling By : Suphanat Sakulk ทะเบียนเลขที่ ว-323-จ-0021 , Pattarapol Sawangjaitam ทะเบียนเลขที่ ว-204-จ-0002

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

Technical Management

Photchana Seeda
Scientist (4)
ทะเบียนเลขที่ ว-323-จ-0028

Approved by

Dej Changchon
Senior Manager
ทะเบียนเลขที่ ว-323-ค-0001

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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: 24124505
Date Received : Nov 01, 2024
Date Reported : Nov 08, 2024
Report Number : 3150964-1

- 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

Photchana Seeda
Scientist (4)
ทะเบียนเลขที่ ว-323-จ-0028

Approved by

Dej Changchon
Senior Manager
ทะเบียนเลขที่ ว-323-ค-0001

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

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: 24124505
Date Received : Nov 01, 2024
Date Reported : Nov 08, 2024
Report Number : 3150964-2

Sample Number	24124505-1
Sampled Date	Nov 01, 2024 9:30 AM
Sample Description	Wastewater
Location	บริษัท กีลอง (ประเทศไทย) จำกัด (จุดที่ 1) : GEELONG (THAILAND) CO.,LTD.
Date Analysis Commenced	Nov 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, 24th ed., 2023, part 5520 D	Bangkok

Guideline : Standard of Rojana Industrial park (Rayong), Criteria of wastewater drainage from the factory to central wastewater treatment plant, dated 1 January, 2018 (B.E.2561)
Sampling By : Suphanat Sakulk ทะเบียนเลขที่ ว-323-จ-0021 , Pattarapol Sawangjaitam ทะเบียนเลขที่ ว-204-จ-0002

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

Technical Management

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

Approved by

Kanokkorn Anek
Assistant General 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: 24124506
Date Received : Nov 01, 2024
Date Reported : Nov 08, 2024
Report Number : 3150967-1

Sample Number	24124506-1
Sampled Date	Nov 01, 2024 9:42 AM
Sample Description	Wastewater
Location	บริษัท กีลอง (ประเทศไทย) จำกัด (จุดที่ 2) : GEELONG (THAILAND) CO.,LTD.
Date Analysis Commenced	Nov 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, 24th ed., 2023, 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, 24th ed., 2023, 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, 24th ed., 2023, part 4500 - H (B)	Rayong
Temperature *	Degree C	-	-	29.7	≤40	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	178	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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, 24th ed., 2023, 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, 24th ed., 2023, part 2540 D	Rayong

Guideline : Standard of Rojana Industrial park (Rayong), Criteria of wastewater drainage from the factory to central wastewater treatment plant, dated 1 January, 2018 (B.E.2561)
Sampling By : Suphanat Sakulk ทะเบียนเลขที่ ว-323-จ-0021 , Samart Khumphlee ทะเบียนเลขที่ ว-204-จ-0084

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

Technical Management

Photchana Seeda
Scientist (4)
ทะเบียนเลขที่ ว-323-จ-0028

Approved by

Dej Changchon
Senior Manager
ทะเบียนเลขที่ ว-323-ค-0001

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: 24124506
Date Received : Nov 01, 2024
Date Reported : Nov 08, 2024
Report Number : 3150967-1

- 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

Photchana Seeda
Scientist (4)
ทะเบียนเลขที่ ว-323-จ-0028

Approved by

Dej Changchon
Senior Manager
ทะเบียนเลขที่ ว-323-ค-0001

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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: 24124506
Date Received : Nov 01, 2024
Date Reported : Nov 06, 2024
Report Number : 3150967-2

Sample Number	24124506-1
Sampled Date	Nov 01, 2024 9:42 AM
Sample Description	Wastewater
Location	บริษัท กีลอง (ประเทศไทย) จำกัด (จุดที่ 2) : GEELONG (THAILAND) CO.,LTD.
Date Analysis Commenced	Nov 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, 24th ed., 2023, part 5520 D	Bangkok

Guideline : Standard of Rojana Industrial park (Rayong), Criteria of wastewater drainage from the factory to central wastewater treatment plant, dated 1 January, 2018 (B.E.2561)
Sampling By : Suphanat Sakulk ทะเบียนเลขที ว-323-จ-0021 , Samart Khumphlee ทะเบียนเลขที ว-204-จ-0084

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
Assistant General 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: 24124507
Date Received : Nov 01, 2024
Date Reported : Nov 08, 2024
Report Number : 3150970-1

Sample Number	24124507-1
Sampled Date	Nov 01, 2024 10:49 AM
Sample Description	Wastewater
Location	บริษัท ซีลแมกซ์ ซีลลิ่ง โซลูชั่น จำกัด : SILMAX SEALING SOLUTION CO.,LTD.
Date Analysis Commenced	Nov 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	167	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	342	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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, 24th ed., 2023, part 4500 - H (B)	Rayong
Temperature *	Degree C	-	-	29.8	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	524	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Total Kjeldahl Nitrogen as N	mg/L	-	1.0	71.9	≤100	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-Norg (C), part NH3 (D)	Rayong
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	92	≤200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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 : Suphanat Sakulk ทะเบียนเลขที่ ว-323-จ-0021 , 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.

Technical Management

Photchana Seeda
Scientist (4)
ทะเบียนเลขที่ ว-323-จ-0028

Approved by

Dej Changchon
Senior Manager
ทะเบียนเลขที่ ว-323-ค-0001

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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: 24124507
Date Received : Nov 01, 2024
Date Reported : Nov 08, 2024
Report Number : 3150970-1

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

Technical Management

Photchana Seeda
Scientist (4)
ทะเบียนเลขที่ ว-323-จ-0028

Approved by

Dej Changchon
Senior Manager
ทะเบียนเลขที่ ว-323-ค-0001

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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: 24124507
Date Received : Nov 01, 2024
Date Reported : Nov 08, 2024
Report Number : 3150970-2

Sample Number	24124507-1
Sampled Date	Nov 01, 2024 10:49 AM
Sample Description	Wastewater
Location	บริษัท ซีลแมกซ์ ซีลลิ่ง โซลูชั่น จำกัด : SILMAX SEALING SOLUTION CO.,LTD.
Date Analysis Commenced	Nov 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	28	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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 : Suphanat Sakulk ทะเบียนเลขที ว-323-จ-0021 , Samart Khumphlee ทะเบียนเลขที ว-204-จ-0084

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
Assistant General 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: 24124508
Date Received : Nov 01, 2024
Date Reported : Nov 08, 2024
Report Number : 3150972-1

Sample Number	24124508-1
Sampled Date	Nov 01, 2024 10:01 AM
Sample Description	Wastewater
Location	บริษัท เทียนกุง พรีซิชั่น ทูลส์ (ประเทศไทย) จำกัด : TIANGONG PRECISION TOOLS (THAILAND) CO.,LTD.
Date Analysis Commenced	Nov 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	316	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	562	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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, 24th ed., 2023, part 4500 - H (B)	Rayong
Temperature *	Degree C	-	-	30.6	≤40	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	2040	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Total Kjeldahl Nitrogen as N	mg/L	-	1.0	65.9	≤100	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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, 24th ed., 2023, part 2540 D	Rayong

Guideline : Standard of Rojana Industrial park (Rayong), Criteria of wastewater drainage from the factory to central wastewater treatment plant, dated 1 January, 2018 (B.E.2561)
Sampling By : Suphanat Sakulk ทะเบียนเลขที่ ว-323-จ-0021 , Samart Khumphlee ทะเบียนเลขที่ ว-204-จ-0084

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

Technical Management

Photchana Seeda
Scientist (4)
ทะเบียนเลขที่ ว-323-จ-0028

Approved by

Dej Changchon
Senior Manager
ทะเบียนเลขที่ ว-323-ค-0001

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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: 24124508
Date Received : Nov 01, 2024
Date Reported : Nov 08, 2024
Report Number : 3150972-1

- 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

Photchana Seeda
Scientist (4)
ทะเบียนเลขที่ ว-323-จ-0028

Approved by

Dej Changchon
Senior Manager
ทะเบียนเลขที่ ว-323-ค-0001

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

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: 24124508
Date Received : Nov 01, 2024
Date Reported : Nov 06, 2024
Report Number : 3150972-2

Sample Number	24124508-1
Sampled Date	Nov 01, 2024 10:01 AM
Sample Description	Wastewater
Location	บริษัท เทียนกุง พรีซิชั่น ทูลส์ (ประเทศไทย) จำกัด : TIANGONG PRECISION TOOLS (THAILAND) CO.,LTD.
Date Analysis Commenced	Nov 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	16	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 D	Bangkok

Guideline : Standard of Rojana Industrial park (Rayong), Criteria of wastewater drainage from the factory to central wastewater treatment plant, dated 1 January, 2018 (B.E.2561)
Sampling By : Suphanat Sakulk ทะเบียนเลขที ว-323-จ-0021 , Samart Khumphlee ทะเบียนเลขที ว-204-จ-0084

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
Assistant General 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: 24124509
Date Received : Nov 01, 2024
Date Reported : Nov 08, 2024
Report Number : 3150974-1

Sample Number	24124509-1
Sampled Date	Nov 01, 2024 11:01 AM
Sample Description	Wastewater
Location	บริษัท วีอีเอ็ม (ไทยแลนด์) จำกัด โรงงาน 1 จุดที่ 2 : VEM (THAILAND) CO., LTD.
Date Analysis Commenced	Nov 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	110	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	171	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5220 D	Rayong
pH at 25 degree C		-	-	8.3	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong
Temperature *	Degree C	-	-	32.0	≤40	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	528	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Total Kjeldahl Nitrogen as N	mg/L	-	1.0	60.3	≤100	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-Norg (C), part NH3 (D)	Rayong
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	50	≤200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Rayong

Guideline : Standard of Rojana Industrial park (Rayong), Criteria of wastewater drainage from the factory to central wastewater treatment plant, dated 1 January, 2018 (B.E.2561)
Sampling By : Suphanat Sakulk ทะเบียนเลขที่ ว-323-จ-0021 , Samart Khumphlee ทะเบียนเลขที่ ว-204-จ-0084

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

Technical Management

Photchana Seeda
Scientist (4)
ทะเบียนเลขที่ ว-323-จ-0028

Approved by

Dej Changchon
Senior Manager
ทะเบียนเลขที่ ว-323-ค-0001

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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: 24124509
Date Received : Nov 01, 2024
Date Reported : Nov 08, 2024
Report Number : 3150974-1

- 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

Photchana Seeda
Scientist (4)
ทะเบียนเลขที่ ว-323-จ-0028

Approved by

Dej Changchon
Senior Manager
ทะเบียนเลขที่ ว-323-ค-0001

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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: 24124509
Date Received : Nov 01, 2024
Date Reported : Nov 06, 2024
Report Number : 3150974-2

Sample Number	24124509-1
Sampled Date	Nov 01, 2024 11:01 AM
Sample Description	Wastewater
Location	บริษัท วีอีเอ็ม (ไทยแลนด์) จำกัด โรงงาน 1 จุดที่ 2 : VEM (THAILAND) CO., LTD.
Date Analysis Commenced	Nov 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, 24th ed., 2023, part 5520 D	Bangkok

Guideline : Standard of Rojana Industrial park (Rayong), Criteria of wastewater drainage from the factory to central wastewater treatment plant, dated 1 January, 2018 (B.E.2561)
Sampling By : Suphanat Sakulk ทะเบียนเลขที่ ว-323-จ-0021 , Samart Khumphlee ทะเบียนเลขที่ ว-204-จ-0084

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
Assistant General 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: 24124510
Date Received : Nov 01, 2024
Date Reported : Nov 08, 2024
Report Number : 3150978-1

Sample Number	24124510-1
Sampled Date	Nov 01, 2024 11:08 AM
Sample Description	Wastewater
Location	บริษัท วีอีเอ็ม (ไทยแลนด์) จำกัด โรงงาน 2 : VEM (THAILAND) CO., LTD.
Date Analysis Commenced	Nov 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	122	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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, 24th ed., 2023, 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, 24th ed., 2023, part 4500 - H (B)	Rayong
Temperature *	Degree C	-	-	29.7	≤40	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	608	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Total Kjeldahl Nitrogen as N	mg/L	-	1.0	69.3	≤100	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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, 24th ed., 2023, part 2540 D	Rayong

Guideline : Standard of Rojana Industrial park (Rayong), Criteria of wastewater drainage from the factory to central wastewater treatment plant, dated 1 January, 2018 (B.E.2561)
Sampling By : Suphanat Sakulk ทะเบียนเลขที่ ว-323-จ-0021 , Samart Khumphlee ทะเบียนเลขที่ ว-204-จ-0084

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

Technical Management

Photchana Seeda
Scientist (4)
ทะเบียนเลขที่ ว-323-จ-0028

Approved by

Dej Changchon
Senior Manager
ทะเบียนเลขที่ ว-323-ค-0001

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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: 24124510
Date Received : Nov 01, 2024
Date Reported : Nov 08, 2024
Report Number : 3150978-1

- 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

Photchana Seeda
Scientist (4)
ทะเบียนเลขที่ ว-323-จ-0028

Approved by

Dej Changchon
Senior Manager
ทะเบียนเลขที่ ว-323-ค-0001

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

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: 24124510
Date Received : Nov 01, 2024
Date Reported : Nov 06, 2024
Report Number : 3150978-2

Sample Number	24124510-1
Sampled Date	Nov 01, 2024 11:08 AM
Sample Description	Wastewater
Location	บริษัท วีอีเอ็ม (ไทยแลนด์) จำกัด โรงงาน 2 : VEM (THAILAND) CO., LTD.
Date Analysis Commenced	Nov 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, 24th ed., 2023, part 5520 D	Bangkok

Guideline : Standard of Rojana Industrial park (Rayong), Criteria of wastewater drainage from the factory to central wastewater treatment plant, dated 1 January, 2018 (B.E.2561)
Sampling By : Suphanat Sakulk ทะเบียนเลขที ว-323-จ-0021 , Samart Khumphlee ทะเบียนเลขที ว-204-จ-0084

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
Assistant General 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: 24124511
Date Received : Nov 01, 2024
Date Reported : Nov 08, 2024
Report Number : 3150979-1

Sample Number	24124511-1
Sampled Date	Nov 01, 2024 10:42 AM
Sample Description	Wastewater
Location	บริษัท ฮามาตั้น (ประเทศไทย) จำกัด
Date Analysis Commenced	Nov 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	99.1	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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, 24th ed., 2023, 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, 24th ed., 2023, part 4500 - H (B)	Rayong
Temperature *	Degree C	-	-	30.0	≤40	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	652	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Total Kjeldahl Nitrogen as N	mg/L	-	1.0	95.5	≤100	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-Norg (C), part NH3 (D)	Rayong
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	34	≤200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Rayong

Guideline : Standard of Rojana Industrial park (Rayong), Criteria of wastewater drainage from the factory to central wastewater treatment plant, dated 1 January, 2018 (B.E.2561)
Sampling By : Suphanat Sakulk ทะเบียนเลขที่ ว-323-จ-0021 , Samart Khumphlee ทะเบียนเลขที่ ว-204-จ-0084

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

Technical Management

Photchana Seeda
Scientist (4)
ทะเบียนเลขที่ ว-323-จ-0028

Approved by

Dej Changchon
Senior Manager
ทะเบียนเลขที่ ว-323-ค-0001

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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: 24124511
Date Received : Nov 01, 2024
Date Reported : Nov 08, 2024
Report Number : 3150979-1

- 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

Photchana Seeda
Scientist (4)
ทะเบียนเลขที่ ว-323-จ-0028

Approved by

Dej Changchon
Senior Manager
ทะเบียนเลขที่ ว-323-ค-0001

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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: 24124511
Date Received : Nov 01, 2024
Date Reported : Nov 06, 2024
Report Number : 3150979-2

Sample Number	24124511-1
Sampled Date	Nov 01, 2024 10:42 AM
Sample Description	Wastewater
Location	บริษัท ฮามาตั้น (ประเทศไทย) จำกัด
Date Analysis Commenced	Nov 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, 24th ed., 2023, part 5520 D	Bangkok

Guideline : Standard of Rojana Industrial park (Rayong), Criteria of wastewater drainage from the factory to central wastewater treatment plant, dated 1 January, 2018 (B.E.2561)
Sampling By : Suphanat Sakulk ทะเบียนเลขที่ ว-323-จ-0021 , Samart Khumphlee ทะเบียนเลขที่ ว-204-จ-0084

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
Assistant General 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: 24124531
Date Received : Nov 01, 2024
Date Reported : Nov 08, 2024
Report Number : 3150986-1

Sample Number	24124531-1
Sampled Date	Nov 01, 2024 10:14 AM
Sample Description	Wastewater
Location	บริษัท มานูไทย เทคโนโลยี จำกัด
Date Analysis Commenced	Nov 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, 24th ed., 2023, 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, 24th ed., 2023, part 5220 D	Rayong
pH at 25 degree C		-	-	8.3	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong
Temperature *	Degree C	-	-	31.1	≤40	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	264	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Total Kjeldahl Nitrogen as N	mg/L	-	1.0	18.2	≤100	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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, 24th ed., 2023, part 2540 D	Rayong

Guideline : Standard of Rojana Industrial park (Rayong), Criteria of wastewater drainage from the factory to central wastewater treatment plant, dated 1 January, 2018 (B.E.2561)
Sampling By : Suphanat Sakulk ทะเบียนเลขที่ ว-323-จ-0021 , Samart Khumphlee ทะเบียนเลขที่ ว-204-จ-0084

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

Technical Management

Photchana Seeda
Scientist (4)
ทะเบียนเลขที่ ว-323-จ-0028

Approved by

Dej Changchon
Senior Manager
ทะเบียนเลขที่ ว-323-ค-0001

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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: 24124531
Date Received : Nov 01, 2024
Date Reported : Nov 08, 2024
Report Number : 3150986-1

- 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

Photchana Seeda
Scientist (4)
ทะเบียนเลขที่ ว-323-จ-0028

Approved by

Dej Changchon
Senior Manager
ทะเบียนเลขที่ ว-323-ค-0001

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

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: 24124531
Date Received : Nov 01, 2024
Date Reported : Nov 08, 2024
Report Number : 3150986-2

Sample Number	24124531-1
Sampled Date	Nov 01, 2024 10:14 AM
Sample Description	Wastewater
Location	บริษัท มานูไทย เทคโนโลยี จำกัด
Date Analysis Commenced	Nov 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, 24th ed., 2023, part 5520 D	Bangkok

Guideline : Standard of Rojana Industrial park (Rayong), Criteria of wastewater drainage from the factory to central wastewater treatment plant, dated 1 January, 2018 (B.E.2561)
Sampling By : Suphanat Sakulk ทะเบียนเลขที่ ว-323-จ-0021 , Samart Khumphlee ทะเบียนเลขที่ ว-204-จ-0084

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
Assistant General 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: 24135093
Date Received : Dec 02, 2024
Date Reported : Dec 10, 2024
Report Number : 3178271-1

Sample Number	24135093-1
Sampled Date	Dec 02, 2024 11:35 AM
Sample Description	Wastewater
Location	บริษัท กัลฟ์ พีดี จำกัด : GULF PD COMPANY LIMITED.
Date Analysis Commenced	Dec 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, 24th ed., 2023, 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, 24th ed., 2023, 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, 24th ed., 2023, part 4500 - H (B)	Rayong
Temperature *	Degree C	-	-	30.6	≤40	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	178	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Total Kjeldahl Nitrogen as N	mg/L	-	1.0	1.1	≤100	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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, 24th ed., 2023, part 2540 D	Rayong

Guideline : Standard of Rojana Industrial park (Rayong), Criteria of wastewater drainage from the factory to central wastewater treatment plant, dated 1 January, 2018 (B.E.2561)
Sampling By : Amonwich Wongsachai ทะเบียนเลขที่ ว-323-จ-0040 , Samart Khumphlee ทะเบียนเลขที่ ว-204-จ-0084

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

Technical Management
Photchana Seeda
Scientist (4)
ทะเบียนเลขที่ ว-323-จ-0028

Approved by
Dej Changchon
Senior Manager
ทะเบียนเลขที่ ว-323-ค-0001

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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: 24135093
Date Received : Dec 02, 2024
Date Reported : Dec 10, 2024
Report Number : 3178271-1

- 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

Photchana Seeda
Scientist (4)
ทะเบียนเลขที่ ว-323-จ-0028

Approved by

Dej Changchon
Senior Manager
ทะเบียนเลขที่ ว-323-ค-0001

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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: 24135093
Date Received : Dec 02, 2024
Date Reported : Dec 09, 2024
Report Number : 3178271-2

Sample Number	24135093-1
Sampled Date	Dec 02, 2024 11:35 AM
Sample Description	Wastewater
Location	บริษัท กัลฟ์ พีดี จำกัด : GULF PD COMPANY LIMITED.
Date Analysis Commenced	Dec 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, 24th ed., 2023, part 5520 D	Bangkok

Guideline : Standard of Rojana Industrial park (Rayong), Criteria of wastewater drainage from the factory to central wastewater treatment plant, dated 1 January, 2018 (B.E.2561)
Sampling By : Amonwich Wongsachai ทะเบียนเลขที่ ว-323-จ-0040 , Samart Khumphlee ทะเบียนเลขที่ ว-204-จ-0084

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
Assistant General 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: 24135094
Date Received : Dec 02, 2024
Date Reported : Dec 10, 2024
Report Number : 3178282-1

Sample Number	24135094-1
Sampled Date	Dec 02, 2024 11:15 AM
Sample Description	Wastewater
Location	บริษัท วีอีเอ็ม (ไทยแลนด์) จำกัด โรงงาน 1 จุดที่ 1 : VEM (THAILAND) CO., LTD.
Date Analysis Commenced	Dec 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	21.4	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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, 24th ed., 2023, 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, 24th ed., 2023, part 4500 - H (B)	Rayong
Temperature *	Degree C	-	-	30.2	≤40	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	432	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Total Kjeldahl Nitrogen as N	mg/L	-	1.0	42.8	≤100	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-Norg (C), part NH3 (D)	Rayong
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	15	≤200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Rayong

Guideline : Standard of Rojana Industrial park (Rayong), Criteria of wastewater drainage from the factory to central wastewater treatment plant, dated 1 January, 2018 (B.E.2561)
Sampling By : Amonwich Wongsachai ทะเบียนเลขที่ ว-323-จ-0040 , Samart Khumphlee ทะเบียนเลขที่ ว-204-จ-0084

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

Technical Management
Photchana Seeda
Scientist (4)
ทะเบียนเลขที่ ว-323-จ-0028

Approved by
Dej Changchon
Senior Manager
ทะเบียนเลขที่ ว-323-ค-0001

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: 24135094
Date Received : Dec 02, 2024
Date Reported : Dec 10, 2024
Report Number : 3178282-1

- 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

Photchana Seeda
Scientist (4)
ทะเบียนเลขที่ ว-323-จ-0028

Approved by

Dej Changchon
Senior Manager
ทะเบียนเลขที่ ว-323-ค-0001

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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: 24135094
Date Received : Dec 02, 2024
Date Reported : Dec 09, 2024
Report Number : 3178282-2

Sample Number	24135094-1
Sampled Date	Dec 02, 2024 11:15 AM
Sample Description	Wastewater
Location	บริษัท วีอีเอ็ม (ไทยแลนด์) จำกัด โรงงาน 1 จุดที่ 1 : VEM (THAILAND) CO., LTD.
Date Analysis Commenced	Dec 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, 24th ed., 2023, part 5520 D	Bangkok

Guideline : Standard of Rojana Industrial park (Rayong), Criteria of wastewater drainage from the factory to central wastewater treatment plant, dated 1 January, 2018 (B.E.2561)
Sampling By : Amonwich Wongsachai ทะเบียนเลขที ว-323-จ-0040 , Samart Khumphlee ทะเบียนเลขที ว-204-จ-0084

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
Assistant General 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: 24135095
Date Received : Dec 02, 2024
Date Reported : Dec 10, 2024
Report Number : 3178285-1

Sample Number	24135095-1
Sampled Date	Dec 02, 2024 10:35 AM
Sample Description	Wastewater
Location	บริษัท เซล อินดัสทรี (ไทยแลนด์) จำกัด : SAIL INDUSTRY (THAILAND) CO.,LTD.
Date Analysis Commenced	Dec 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	39.8	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	62	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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, 24th ed., 2023, part 4500 - H (B)	Rayong
Temperature *	Degree C	-	-	30.3	≤40	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	612	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Total Kjeldahl Nitrogen as N	mg/L	-	1.0	29.9	≤100	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-Norg (C), part NH3 (D)	Rayong
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	11	≤200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Rayong

Guideline : Standard of Rojana Industrial park (Rayong), Criteria of wastewater drainage from the factory to central wastewater treatment plant, dated 1 January, 2018 (B.E.2561)
Sampling By : Amonwich Wongsachai ทะเบียนเลขที่ ว-323-จ-0040 , Samart Khumphlee ทะเบียนเลขที่ ว-204-จ-0084

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

Technical Management

Photchana Seeda
Scientist (4)
ทะเบียนเลขที่ ว-323-จ-0028

Approved by

Dej Changchon
Senior Manager
ทะเบียนเลขที่ ว-323-ค-0001

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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: 24135095
Date Received : Dec 02, 2024
Date Reported : Dec 10, 2024
Report Number : 3178285-1

- 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

Photchana Seeda
Scientist (4)
ทะเบียนเลขที่ ว-323-จ-0028

Approved by

Dej Changchon
Senior Manager
ทะเบียนเลขที่ ว-323-ค-0001

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ADDRESS 616/10 Moo 5 T. Maenam Khu A. Pluakdaeng Rayong 21140 Thailand | PHONE +66 0 3304 8555 | FAX +66 0 3304 8556
ALS LABORATORY GROUP (THAILAND) CO., LTD. An ALS Limited Company

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: 24135095
Date Received : Dec 02, 2024
Date Reported : Dec 09, 2024
Report Number : 3178285-2

Sample Number	24135095-1
Sampled Date	Dec 02, 2024 10:35 AM
Sample Description	Wastewater
Location	บริษัท เซล อินดัสทรี (ไทยแลนด์) จำกัด : SAIL INDUSTRY (THAILAND) CO.,LTD.
Date Analysis Commenced	Dec 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, 24th ed., 2023, part 5520 D	Bangkok

Guideline : Standard of Rojana Industrial park (Rayong), Criteria of wastewater drainage from the factory to central wastewater treatment plant, dated 1 January, 2018 (B.E.2561)
Sampling By : Amonwich Wongsachai ทะเบียนเลขที ว-323-จ-0040 , Samart Khumphlee ทะเบียนเลขที ว-204-จ-0084

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
Assistant General 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: 24135096
Date Received : Dec 02, 2024
Date Reported : Dec 10, 2024
Report Number : 3178290-1

Sample Number	24135096-1
Sampled Date	Dec 02, 2024 9:45 AM
Sample Description	Wastewater
Location	บริษัท กีลอง (ประเทศไทย) จำกัด (จุดที่ 1) : GEELONG (THAILAND) CO.,LTD.
Date Analysis Commenced	Dec 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	86.6	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	193	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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, 24th ed., 2023, part 4500 - H (B)	Rayong
Temperature *	Degree C	-	-	30.1	≤40	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	672	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Total Kjeldahl Nitrogen as N	mg/L	-	1.0	39.2	≤100	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-Norg (C), part NH3 (D)	Rayong
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	34	≤200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Rayong

Guideline : Standard of Rojana Industrial park (Rayong), Criteria of wastewater drainage from the factory to central wastewater treatment plant, dated 1 January, 2018 (B.E.2561)
Sampling By : Amonwich Wongsachai ทะเบียนเลขที่ ว-323-จ-0040 , Samart Khumphlee ทะเบียนเลขที่ ว-204-จ-0084

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

Technical Management
Photchana Seeda
Scientist (4)
ทะเบียนเลขที่ ว-323-จ-0028

Approved by
Dej Changchon
Senior Manager
ทะเบียนเลขที่ ว-323-ค-0001

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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: 24135096
Date Received : Dec 02, 2024
Date Reported : Dec 10, 2024
Report Number : 3178290-1

- 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

Photchana Seeda
Scientist (4)
ทะเบียนเลขที่ ว-323-จ-0028

Approved by

Dej Changchon
Senior Manager
ทะเบียนเลขที่ ว-323-ค-0001

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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: 24135096
Date Received : Dec 02, 2024
Date Reported : Dec 09, 2024
Report Number : 3178290-2

Sample Number	24135096-1
Sampled Date	Dec 02, 2024 9:45 AM
Sample Description	Wastewater
Location	บริษัท กีลอง (ประเทศไทย) จำกัด (จุดที่ 1) : GEELONG (THAILAND) CO.,LTD.
Date Analysis Commenced	Dec 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, 24th ed., 2023, part 5520 D	Bangkok

Guideline : Standard of Rojana Industrial park (Rayong), Criteria of wastewater drainage from the factory to central wastewater treatment plant, dated 1 January, 2018 (B.E.2561)
Sampling By : Amonwich Wongsachai ทะเบียนเลขที่ ว-323-จ-0040 , Samart Khumphlee ทะเบียนเลขที่ ว-204-จ-0084

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
Assistant General 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: 24135097
Date Received : Dec 02, 2024
Date Reported : Dec 10, 2024
Report Number : 3178294-1

Sample Number	24135097-1
Sampled Date	Dec 02, 2024 9:50 AM
Sample Description	Wastewater
Location	บริษัท กีลอง (ประเทศไทย) จำกัด (จุดที่ 2) : GEELONG (THAILAND) CO.,LTD.
Date Analysis Commenced	Dec 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	18.3	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	34	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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, 24th ed., 2023, part 4500 - H (B)	Rayong
Temperature *	Degree C	-	-	28.3	≤40	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	320	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Total Kjeldahl Nitrogen as N	mg/L	-	1.0	21.1	≤100	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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, 24th ed., 2023, part 2540 D	Rayong

Guideline : Standard of Rojana Industrial park (Rayong), Criteria of wastewater drainage from the factory to central wastewater treatment plant, dated 1 January, 2018 (B.E.2561)
Sampling By : Amonwich Wongsachai ทะเบียนเลขที่ ว-323-จ-0040 , Samart Khumphlee ทะเบียนเลขที่ ว-204-จ-0084

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

Technical Management
Photchana Seeda
Scientist (4)
ทะเบียนเลขที่ ว-323-จ-0028

Approved by
Dej Changchon
Senior Manager
ทะเบียนเลขที่ ว-323-ค-0001

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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: 24135097
Date Received : Dec 02, 2024
Date Reported : Dec 10, 2024
Report Number : 3178294-1

- 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

Photchana Seeda
Scientist (4)
ทะเบียนเลขที่ ว-323-จ-0028

Approved by

Dej Changchon
Senior Manager
ทะเบียนเลขที่ ว-323-ค-0001

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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: 24135097
Date Received : Dec 02, 2024
Date Reported : Dec 09, 2024
Report Number : 3178294-2

Sample Number	24135097-1
Sampled Date	Dec 02, 2024 9:50 AM
Sample Description	Wastewater
Location	บริษัท กีลอง (ประเทศไทย) จำกัด (จุดที่ 2) : GEELONG (THAILAND) CO.,LTD.
Date Analysis Commenced	Dec 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, 24th ed., 2023, part 5520 D	Bangkok

Guideline : Standard of Rojana Industrial park (Rayong), Criteria of wastewater drainage from the factory to central wastewater treatment plant, dated 1 January, 2018 (B.E.2561)
Sampling By : Amonwich Wongsachai ทะเบียนเลขที ว-323-จ-0040 , Samart Khumphlee ทะเบียนเลขที ว-204-จ-0084

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
Assistant General 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: 24135098
Date Received : Dec 02, 2024
Date Reported : Dec 10, 2024
Report Number : 3178300-1

Sample Number	24135098-1
Sampled Date	Dec 02, 2024 10:30 AM
Sample Description	Wastewater
Location	บริษัท ซีลแมกซ์ ซีลลิ่ง โซลูชั่น จำกัด : SILMAX SEALING SOLUTION CO.,LTD.
Date Analysis Commenced	Dec 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	103	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	256	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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, 24th ed., 2023, part 4500 - H (B)	Rayong
Temperature *	Degree C	-	-	29.8	≤45	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	536	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Total Kjeldahl Nitrogen as N	mg/L	-	1.0	76.6	≤100	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-Norg (C), part NH3 (D)	Rayong
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	53	≤200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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 : Amonwich Wongsachai ทะเบียนเลขที่ ว-323-จ-0040 , 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.

Technical Management

Photchana Seeda
Scientist (4)
ทะเบียนเลขที่ ว-323-จ-0028

Approved by

Dej Changchon
Senior Manager
ทะเบียนเลขที่ ว-323-ค-0001

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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: 24135098
Date Received : Dec 02, 2024
Date Reported : Dec 10, 2024
Report Number : 3178300-1

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

Technical Management

Photchana Seeda
Scientist (4)
ทะเบียนเลขที่ ว-323-จ-0028

Approved by

Dej Changchon
Senior Manager
ทะเบียนเลขที่ ว-323-ค-0001

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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: 24135098
Date Received : Dec 02, 2024
Date Reported : Dec 10, 2024
Report Number : 3178300-2

Sample Number	24135098-1
Sampled Date	Dec 02, 2024 10:30 AM
Sample Description	Wastewater
Location	บริษัท ซีลแมกซ์ ซีลลิ่ง โซลูชั่น จำกัด : SILMAX SEALING SOLUTION CO.,LTD.
Date Analysis Commenced	Dec 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	12	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 D	Bangkok

Guideline : Standard of Rojana Industrial park (Rayong), Criteria of wastewater drainage from the factory to central wastewater treatment plant, dated 1 January, 2018 (B.E.2561)
Sampling By : Amonwich Wongsachai ทะเบียนเลขที ว-323-จ-0040 , Samart Khumphlee ทะเบียนเลขที ว-204-จ-0084

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
Assistant General 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: 24135099
Date Received : Dec 02, 2024
Date Reported : Dec 10, 2024
Report Number : 3178304-1

Sample Number	24135099-1
Sampled Date	Dec 02, 2024 10:10 AM
Sample Description	Wastewater
Location	บริษัท เทียนกุง พรีซิชั่น ทูลส์ (ประเทศไทย) จำกัด : TIANGONG PRECISION TOOLS (THAILAND) CO.,LTD.
Date Analysis Commenced	Dec 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	182	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	593	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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, 24th ed., 2023, part 4500 - H (B)	Rayong
Temperature *	Degree C	-	-	30.9	≤40	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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, 24th ed., 2023, part 2540 C	Rayong
Total Kjeldahl Nitrogen as N	mg/L	-	1.0	53.0	≤100	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-Norg (C), part NH3 (D)	Rayong
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	392	≤200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Rayong

Guideline : Standard of Rojana Industrial park (Rayong), Criteria of wastewater drainage from the factory to central wastewater treatment plant, dated 1 January, 2018 (B.E.2561)
Sampling By : Amonwich Wongsachai ทะเบียนเลขที่ ว-323-จ-0040 , Samart Khumphlee ทะเบียนเลขที่ ว-204-จ-0084

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

Technical Management
Photchana Seeda
Scientist (4)
ทะเบียนเลขที่ ว-323-จ-0028

Approved by
Dej Changchon
Senior Manager
ทะเบียนเลขที่ ว-323-ค-0001

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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: 24135099
Date Received : Dec 02, 2024
Date Reported : Dec 10, 2024
Report Number : 3178304-1

- 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

Photchana Seeda
Scientist (4)
ทะเบียนเลขที่ ว-323-จ-0028

Approved by

Dej Changchon
Senior Manager
ทะเบียนเลขที่ ว-323-ค-0001

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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: 24135099
Date Received : Dec 02, 2024
Date Reported : Dec 09, 2024
Report Number : 3178304-2

Sample Number	24135099-1
Sampled Date	Dec 02, 2024 10:10 AM
Sample Description	Wastewater
Location	บริษัท เทียนกุง พรีซิชั่น ทูลส์ (ประเทศไทย) จำกัด : TIANGONG PRECISION TOOLS (THAILAND) CO.,LTD.
Date Analysis Commenced	Dec 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	72	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 D	Bangkok

Guideline : Standard of Rojana Industrial park (Rayong), Criteria of wastewater drainage from the factory to central wastewater treatment plant, dated 1 January, 2018 (B.E.2561)
Sampling By : Amonwich Wongsachai ทะเบียนเลขที่ ว-323-จ-0040 , Samart Khumphlee ทะเบียนเลขที่ ว-204-จ-0084

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
Assistant General 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: 24135100
Date Received : Dec 02, 2024
Date Reported : Dec 10, 2024
Report Number : 3178307-1

Sample Number	24135100-1
Sampled Date	Dec 02, 2024 11:20 AM
Sample Description	Wastewater
Location	บริษัท วีอีเอ็ม (ไทยแลนด์) จำกัด โรงงาน 1 จุดที่ 2 : VEM (THAILAND) CO., LTD.
Date Analysis Commenced	Dec 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	104	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	150	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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, 24th ed., 2023, part 4500 - H (B)	Rayong
Temperature *	Degree C	-	-	32.2	≤40	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2550 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, 24th ed., 2023, part 2540 C	Rayong
Total Kjeldahl Nitrogen as N	mg/L	-	1.0	70.4	≤100	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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, 24th ed., 2023, part 2540 D	Rayong

Guideline : Standard of Rojana Industrial park (Rayong), Criteria of wastewater drainage from the factory to central wastewater treatment plant, dated 1 January, 2018 (B.E.2561)
Sampling By : Amonwich Wongsachai ทะเบียนเลขที่ ว-323-จ-0040 , Samart Khumphlee ทะเบียนเลขที่ ว-204-จ-0084

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

Technical Management

Photchana Seeda
Scientist (4)
ทะเบียนเลขที่ ว-323-จ-0028

Approved by

Dej Changchon
Senior Manager
ทะเบียนเลขที่ ว-323-ค-0001

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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: 24135100
Date Received : Dec 02, 2024
Date Reported : Dec 10, 2024
Report Number : 3178307-1

- 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

Photchana Seeda
Scientist (4)
ทะเบียนเลขที่ ว-323-จ-0028

Approved by

Dej Changchon
Senior Manager
ทะเบียนเลขที่ ว-323-ค-0001

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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: 24135100
Date Received : Dec 02, 2024
Date Reported : Dec 09, 2024
Report Number : 3178307-2

Sample Number	24135100-1
Sampled Date	Dec 02, 2024 11:20 AM
Sample Description	Wastewater
Location	บริษัท วีอีเอ็ม (ไทยแลนด์) จำกัด โรงงาน 1 จุดที่ 2 : VEM (THAILAND) CO., LTD.
Date Analysis Commenced	Dec 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	5	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 D	Bangkok

Guideline : Standard of Rojana Industrial park (Rayong), Criteria of wastewater drainage from the factory to central wastewater treatment plant, dated 1 January, 2018 (B.E.2561)
Sampling By : Amonwich Wongsachai ทะเบียนเลขที่ ว-323-จ-0040 , Samart Khumphlee ทะเบียนเลขที่ ว-204-จ-0084

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
Assistant General 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: 24135101
Date Received : Dec 02, 2024
Date Reported : Dec 10, 2024
Report Number : 3178312-1

Sample Number	24135101-1
Sampled Date	Dec 02, 2024 11:45 AM
Sample Description	Wastewater
Location	บริษัท วีอีเอ็ม (ไทยแลนด์) จำกัด โรงงาน 2 : VEM (THAILAND) CO., LTD.
Date Analysis Commenced	Dec 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	75.3	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	133	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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, 24th ed., 2023, part 4500 - H (B)	Rayong
Temperature *	Degree C	-	-	30.0	≤40	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	448	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Total Kjeldahl Nitrogen as N	mg/L	-	1.0	47.7	≤100	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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, 24th ed., 2023, part 2540 D	Rayong

Guideline : Standard of Rojana Industrial park (Rayong), Criteria of wastewater drainage from the factory to central wastewater treatment plant, dated 1 January, 2018 (B.E.2561)
Sampling By : Amonwich Wongsachai ทะเบียนเลขที่ ว-323-จ-0040 , Samart Khumphlee ทะเบียนเลขที่ ว-204-จ-0084

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

Technical Management
Photchana Seeda
Scientist (4)
ทะเบียนเลขที่ ว-323-จ-0028

Approved by
Dej Changchon
Senior Manager
ทะเบียนเลขที่ ว-323-ค-0001

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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: 24135101
Date Received : Dec 02, 2024
Date Reported : Dec 10, 2024
Report Number : 3178312-1

- 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

Photchana Seeda
Scientist (4)
ทะเบียนเลขที่ ว-323-จ-0028

Approved by

Dej Changchon
Senior Manager
ทะเบียนเลขที่ ว-323-ค-0001

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

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: 24135101
Date Received : Dec 02, 2024
Date Reported : Dec 09, 2024
Report Number : 3178312-2

Sample Number	24135101-1
Sampled Date	Dec 02, 2024 11:45 AM
Sample Description	Wastewater
Location	บริษัท วีอีเอ็ม (ไทยแลนด์) จำกัด โรงงาน 2 : VEM (THAILAND) CO., LTD.
Date Analysis Commenced	Dec 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	5	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 D	Bangkok

Guideline : Standard of Rojana Industrial park (Rayong), Criteria of wastewater drainage from the factory to central wastewater treatment plant, dated 1 January, 2018 (B.E.2561)
Sampling By : Amonwich Wongsachai ทะเบียนเลขที่ ว-323-จ-0040 , Samart Khumphlee ทะเบียนเลขที่ ว-204-จ-0084

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
Assistant General 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: 24135102
Date Received : Dec 02, 2024
Date Reported : Dec 10, 2024
Report Number : 3178314-1

Sample Number	24135102-1
Sampled Date	Dec 02, 2024 10:45 AM
Sample Description	Wastewater
Location	บริษัท ฮามาตั้น (ประเทศไทย) จำกัด
Date Analysis Commenced	Dec 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	28.8	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	95	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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, 24th ed., 2023, part 4500 - H (B)	Rayong
Temperature *	Degree C	-	-	29.5	≤40	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2550 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, 24th ed., 2023, part 2540 C	Rayong
Total Kjeldahl Nitrogen as N	mg/L	-	1.0	35.4	≤100	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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, 24th ed., 2023, part 2540 D	Rayong

Guideline : Standard of Rojana Industrial park (Rayong), Criteria of wastewater drainage from the factory to central wastewater treatment plant, dated 1 January, 2018 (B.E.2561)
Sampling By : Amonwich Wongsachai ทะเบียนเลขที่ ว-323-จ-0040 , Samart Khumphlee ทะเบียนเลขที่ ว-204-จ-0084

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

Technical Management

Photchana Seeda
Scientist (4)
ทะเบียนเลขที่ ว-323-จ-0028

Approved by

Dej Changchon
Senior Manager
ทะเบียนเลขที่ ว-323-ค-0001

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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: 24135102
Date Received : Dec 02, 2024
Date Reported : Dec 10, 2024
Report Number : 3178314-1

- 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

Photchana Seeda
Scientist (4)
ทะเบียนเลขที่ ว-323-จ-0028

Approved by

Dej Changchon
Senior Manager
ทะเบียนเลขที่ ว-323-ค-0001

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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: 24135102
Date Received : Dec 02, 2024
Date Reported : Dec 09, 2024
Report Number : 3178314-2

Sample Number	24135102-1
Sampled Date	Dec 02, 2024 10:45 AM
Sample Description	Wastewater
Location	บริษัท ฮามาตั้น (ประเทศไทย) จำกัด
Date Analysis Commenced	Dec 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, 24th ed., 2023, part 5520 D	Bangkok

Guideline : Standard of Rojana Industrial park (Rayong), Criteria of wastewater drainage from the factory to central wastewater treatment plant, dated 1 January, 2018 (B.E.2561)
Sampling By : Amonwich Wongsachai ทะเบียนเลขที่ ว-323-จ-0040 , Samart Khumphlee ทะเบียนเลขที่ ว-204-จ-0084

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
Assistant General 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: 24135106
Date Received : Dec 02, 2024
Date Reported : Dec 10, 2024
Report Number : 3178330-1

Sample Number	24135106-1
Sampled Date	Dec 02, 2024 11:25 AM
Sample Description	Wastewater
Location	บริษัท มานูไทย เทคโนโลยี จำกัด
Date Analysis Commenced	Dec 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	17.7	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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, 24th ed., 2023, 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, 24th ed., 2023, part 4500 - H (B)	Rayong
Temperature *	Degree C	-	-	30.9	≤40	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2550 B	Rayong
Total Dissolved Solids Dried at 180 degree C	mg/L	-	5	388	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Total Kjeldahl Nitrogen as N	mg/L	-	1.0	57.6	≤100	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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, 24th ed., 2023, part 2540 D	Rayong

Guideline : Standard of Rojana Industrial park (Rayong), Criteria of wastewater drainage from the factory to central wastewater treatment plant, dated 1 January, 2018 (B.E.2561)
Sampling By : Amonwich Wongsachai ทะเบียนเลขที่ ว-323-จ-0040 , Samart Khumphlee ทะเบียนเลขที่ ว-204-จ-0084

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

Technical Management

Photchana Seeda
Scientist (4)
ทะเบียนเลขที่ ว-323-จ-0028

Approved by

Dej Changchon
Senior Manager
ทะเบียนเลขที่ ว-323-ค-0001

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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: 24135106
Date Received : Dec 02, 2024
Date Reported : Dec 10, 2024
Report Number : 3178330-1

- 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

Photchana Seeda
Scientist (4)
ทะเบียนเลขที่ ว-323-จ-0028

Approved by

Dej Changchon
Senior Manager
ทะเบียนเลขที่ ว-323-ค-0001

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

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: 24135106
Date Received : Dec 02, 2024
Date Reported : Dec 09, 2024
Report Number : 3178330-2

Sample Number	24135106-1
Sampled Date	Dec 02, 2024 11:25 AM
Sample Description	Wastewater
Location	บริษัท มานูไทย เทคโนโลยี จำกัด
Date Analysis Commenced	Dec 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, 24th ed., 2023, part 5520 D	Bangkok

Guideline : Standard of Rojana Industrial park (Rayong), Criteria of wastewater drainage from the factory to central wastewater treatment plant, dated 1 January, 2018 (B.E.2561)
Sampling By : Amonwich Wongsachai ทะเบียนเลขที่ ว-323-จ-0040 , Samart Khumphlee ทะเบียนเลขที่ ว-204-จ-0084

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
Assistant General 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: 2467448
Date Received : Jul 25, 2024
Date Reported : Aug 03, 2024
Report Number : 3023882-1

Sample Number	2467448-1
Sampled Date	Jul 25, 2024 10:25 AM
Sample Description	Surface Water
Location	หัวยภูไทรก่อนจุดระบายน้ำทิ้งที่ 1 ของโครงการ ระยะห่างประมาณ 500 เมตร (SW1)
Date Analysis Commenced	Jul 25, 2024
Condition of Sample	Contained in two BOD bottles, 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	2.88	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	0.004	≤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

Thanita Kulsuriwong
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: 2467448
Date Received : Jul 25, 2024
Date Reported : Aug 03, 2024
Report Number : 3023882-1

Sample Number	2467448-1
Sampled Date	Jul 25, 2024 10:25 AM
Sample Description	Surface Water
Location	หัวยภูไทรก่อนจุดระบายน้ำทิ้งที่ 1 ของโครงการ ระยะห่างประมาณ 500 เมตร (SW1)
Date Analysis Commenced	Jul 25, 2024
Condition of Sample	Contained in two BOD bottles, 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	0.07	≤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	-	-	7000.0	≤4000	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B, E	Bangkok
[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	1.36	≤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	3.6	≤2	≤4	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Rayong
Cyanide as CN	mg/L	0.001	0.005	0.005	≤0.005	≤0.005	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

Thanita Kulsuriwong
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: 2467448
Date Received : Jul 25, 2024
Date Reported : Aug 03, 2024
Report Number : 3023882-1

Sample Number	2467448-1
Sampled Date	Jul 25, 2024 10:25 AM
Sample Description	Surface Water
Location	หัวยภูไทรก่อนจุดระบายน้ำทิ้งที่ 1 ของโครงการ ระยะห่างประมาณ 500 เมตร (SW1)
Date Analysis Commenced	Jul 25, 2024
Condition of Sample	Contained in two BOD bottles, 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	7.2	≥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	-	-	0.356	No Standard	No Standard	Flow meter	Rayong
Nitrate as N *	mg/L	0.015	0.05	7.05	≤5	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-NO3 (E)	Rayong
pH at 25 degree C		-	-	7.4	5.0-9.0	5.0-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Rayong
Phenol *	mg/L	0.0005	0.001	Not Detected	≤0.005	≤0.005	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5530 D	Rayong
Temperature *	Degree C	-	-	30.0	(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 : Phongthep Sitthiloh , 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.
-
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Approved by

Thanita Kulsuriwong
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: 2467448
Date Received : Jul 25, 2024
Date Reported : Aug 03, 2024
Report Number : 3023882-1

Sample Number	2467448-2
Sampled Date	Jul 25, 2024 10:45 AM
Sample Description	Surface Water
Location	หัวยภูไทรก่อนจุดระบายน้ำทิ้งที่ 1 ของโครงการ (SW2)
Date Analysis Commenced	Jul 25, 2024
Condition of Sample	Contained in two BOD bottles, 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	2.70	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
[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	0.006	≤0.05	≤0.05	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
[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

Thanita Kulsuriwong
Scientist (4)

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: 2467448
Date Received : Jul 25, 2024
Date Reported : Aug 03, 2024
Report Number : 3023882-1

Sample Number	2467448-2
Sampled Date	Jul 25, 2024 10:45 AM
Sample Description	Surface Water
Location	หัวยภูไทรก่อนจุดระบายน้ำทิ้งที่ 1 ของโครงการ (SW2)
Date Analysis Commenced	Jul 25, 2024
Condition of Sample	Contained in two BOD bottles, 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	0.07	≤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	-	-	7000.0	≤4000	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B, E	Bangkok
[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	1.30	≤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	6.1	≤2	≤4	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Rayong
Cyanide as CN	mg/L	0.001	0.005	0.005	≤0.005	≤0.005	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

Thanita Kulsuriwong
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: 2467448
Date Received : Jul 25, 2024
Date Reported : Aug 03, 2024
Report Number : 3023882-1

Sample Number	2467448-2
Sampled Date	Jul 25, 2024 10:45 AM
Sample Description	Surface Water
Location	หัวยภูไทรก่อนจุดระบายน้ำทิ้งที่ 1 ของโครงการ (SW2)
Date Analysis Commenced	Jul 25, 2024
Condition of Sample	Contained in two BOD bottles, 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	8.2	≥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	-	-	No Velocity	No Standard	No Standard	Flow meter	Rayong
Nitrate as N *	mg/L	0.015	0.05	7.27	≤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		-	-	7.6	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	-	-	29.9	(c)	(c)	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Rayong

Guideline : (1) Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government 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 : Phongthep Sitthiloh , 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.
-
- 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

Thanita Kulsuriwong
Scientist (4)

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: 2467448
Date Received : Jul 25, 2024
Date Reported : Aug 03, 2024
Report Number : 3023882-1

Sample Number	2467448-3
Sampled Date	Jul 25, 2024 11:05 AM
Sample Description	Surface Water
Location	หัวยภูไทรจุดระบายน้ำทิ้งที่ 2 ของโครงการ (SW3)
Date Analysis Commenced	Jul 25, 2024
Condition of Sample	Contained in two BOD bottles, 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	1.34	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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Thanita Kulsuriwong
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: 2467448
Date Received : Jul 25, 2024
Date Reported : Aug 03, 2024
Report Number : 3023882-1

Sample Number	2467448-3
Sampled Date	Jul 25, 2024 11:05 AM
Sample Description	Surface Water
Location	หัวยภูไทรจุดระบายน้ำทิ้งที่ 2 ของโครงการ (SW3)
Date Analysis Commenced	Jul 25, 2024
Condition of Sample	Contained in two BOD bottles, 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	-	-	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	0.80	≤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	3.4	≤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

Thanita Kulsuriwong
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: 2467448
Date Received : Jul 25, 2024
Date Reported : Aug 03, 2024
Report Number : 3023882-1

Sample Number	2467448-3
Sampled Date	Jul 25, 2024 11:05 AM
Sample Description	Surface Water
Location	หัวยภูไทรจุดระบายน้ำทิ้งที่ 2 ของโครงการ (SW3)
Date Analysis Commenced	Jul 25, 2024
Condition of Sample	Contained in two BOD bottles, 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	5.5	≥4	≥2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-O (C)	Rayong
Flow rate *	m3/s	-	-	No Velocity	No Standard	No Standard	Flow meter	Rayong
Nitrate as N *	mg/L	0.015	0.05	5.03	≤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	-	-	29.7	(c)	(c)	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Rayong

Guideline : (1) Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government 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 : Phongthep Sitthiloh , 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.
-
- 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.

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Thanita Kulsuriwong
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: 2467448
Date Received : Jul 25, 2024
Date Reported : Aug 03, 2024
Report Number : 3023882-1

Sample Number	2467448-4
Sampled Date	Jul 25, 2024 11:25 AM
Sample Description	Surface Water
Location	หัวยภูไทรหลังจุดระบายน้ำทิ้งที่ 2 ของโครงการระยะห่างประมาณ 500 เมตร (SW4)
Date Analysis Commenced	Jul 25, 2024
Condition of Sample	Contained in two BOD bottles, 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	1.37	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	0.02	≤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

Thanita Kulsuriwong
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: 2467448
Date Received : Jul 25, 2024
Date Reported : Aug 03, 2024
Report Number : 3023882-1

Sample Number	2467448-4
Sampled Date	Jul 25, 2024 11:25 AM
Sample Description	Surface Water
Location	หัวยภูไทรหลังจุดระบายน้ำทิ้งที่ 2 ของโครงการระยะห่างประมาณ 500 เมตร (SW4)
Date Analysis Commenced	Jul 25, 2024
Condition of Sample	Contained in two BOD bottles, 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	-	-	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	0.75	≤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	3.0	≤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

Thanita Kulsuriwong
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: 2467448
Date Received : Jul 25, 2024
Date Reported : Aug 03, 2024
Report Number : 3023882-1

Sample Number	2467448-4
Sampled Date	Jul 25, 2024 11:25 AM
Sample Description	Surface Water
Location	หัวยภูไทรหลังจุดระบายน้ำทิ้งที่ 2 ของโครงการระยะห่างประมาณ 500 เมตร (SW4)
Date Analysis Commenced	Jul 25, 2024
Condition of Sample	Contained in two BOD bottles, 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	5.1	≥4	≥2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-O (C)	Rayong
Flow rate *	m3/s	-	-	No Velocity	No Standard	No Standard	Flow meter	Rayong
Nitrate as N *	mg/L	0.015	0.05	5.15	≤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	-	-	30.1	(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

Sampling By : Phongthep Sitthiloh , 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.
-
- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

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Approved by

Thanita Kulsuriwong
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: 2486565
Date Received : Aug 13, 2024
Date Reported : Aug 21, 2024
Report Number : 3067963-1

Sample Number	2486565-1
Sampled Date	Aug 13, 2024 9:35 AM
Sample Description	Surface Water
Location	หัวยภูไทรก่อนจุดระบายน้ำทิ้งที่ 1 ของโครงการ ระยะห่างประมาณ 500 เมตร (SW1)
Date Analysis Commenced	Aug 13, 2024
Condition of Sample	Contained in two glass vials, two BOD bottles 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	6.93	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	0.007	≤0.10	≤0.10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
[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	0.02	≤0.05	≤0.05	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
[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: 2486565
Date Received : Aug 13, 2024
Date Reported : Aug 21, 2024
Report Number : 3067963-1

Sample Number	2486565-1
Sampled Date	Aug 13, 2024 9:35 AM
Sample Description	Surface Water
Location	หัวยภูไทรก่อนจุดระบายน้ำทิ้งที่ 1 ของโครงการ ระยะห่างประมาณ 500 เมตร (SW1)
Date Analysis Commenced	Aug 13, 2024
Condition of Sample	Contained in two glass vials, two BOD bottles 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	0.05	≤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	0.83	≤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: 2486565
Date Received : Aug 13, 2024
Date Reported : Aug 21, 2024
Report Number : 3067963-1

Sample Number	2486565-1
Sampled Date	Aug 13, 2024 9:35 AM
Sample Description	Surface Water
Location	หัวยภูไทรก่อนจุดระบายน้ำทิ้งที่ 1 ของโครงการ ระยะห่างประมาณ 500 เมตร (SW1)
Date Analysis Commenced	Aug 13, 2024
Condition of Sample	Contained in two glass vials, two BOD bottles 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	5.9	≥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	-	-	0.300	No Standard	No Standard	Flow meter	Rayong
Nitrate as N *	mg/L	0.015	0.05	3.53	≤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	0.002	≤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	-	-	30.7	(c)	(c)	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Rayong

Guideline : (1) Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government 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 : Ekkachai Tuntong , 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.
-
- 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 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: 2486565
Date Received : Aug 13, 2024
Date Reported : Aug 21, 2024
Report Number : 3067963-1

Sample Number	2486565-2
Sampled Date	Aug 13, 2024 9:50 AM
Sample Description	Surface Water
Location	หัวยภูไทรก่อนจุดระบายน้ำทิ้งที่ 1 ของโครงการ (SW2)
Date Analysis Commenced	Aug 13, 2024
Condition of Sample	Contained in two glass vials, two BOD bottles 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	6.04	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] 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	0.007	≤0.10	≤0.10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
[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	0.02	≤0.05	≤0.05	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
[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 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: 2486565
Date Received : Aug 13, 2024
Date Reported : Aug 21, 2024
Report Number : 3067963-1

Sample Number	2486565-2
Sampled Date	Aug 13, 2024 9:50 AM
Sample Description	Surface Water
Location	หัวยภูไทรก่อนจุดระบายน้ำทิ้งที่ 1 ของโครงการ (SW2)
Date Analysis Commenced	Aug 13, 2024
Condition of Sample	Contained in two glass vials, two BOD bottles 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	0.05	≤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	-	-	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	0.78	≤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	4.3	≤2	≤4	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Rayong
Cyanide as CN	mg/L	0.001	0.005	<0.005	≤0.005	≤0.005	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-CN (C, E)	Rayong

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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: 2486565
Date Received : Aug 13, 2024
Date Reported : Aug 21, 2024
Report Number : 3067963-1

Sample Number	2486565-2
Sampled Date	Aug 13, 2024 9:50 AM
Sample Description	Surface Water
Location	หัวยภูไทรก่อนจุดระบายน้ำทิ้งที่ 1 ของโครงการ (SW2)
Date Analysis Commenced	Aug 13, 2024
Condition of Sample	Contained in two glass vials, two BOD bottles 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	5.7	≥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	-	-	0.400	No Standard	No Standard	Flow meter	Rayong
Nitrate as N *	mg/L	0.015	0.05	3.45	≤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	-	-	30.6	(c)	(c)	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Rayong

Guideline : (1) Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government 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 : Ekkachai Tuntong , 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.
-
- 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: 2486565
Date Received : Aug 13, 2024
Date Reported : Aug 21, 2024
Report Number : 3067963-1

Sample Number	2486565-3
Sampled Date	Aug 13, 2024 10:20 AM
Sample Description	Surface Water
Location	หัวยภูไทรจุดระบายน้ำทิ้งที่ 2 ของโครงการ (SW3)
Date Analysis Commenced	Aug 13, 2024
Condition of Sample	Contained in two glass vials, two BOD bottles 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	8.26	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	0.007	≤0.10	≤0.10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
[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	0.03	≤0.05	≤0.05	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
[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 Seeda
Scientist (4)

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: 2486565
Date Received : Aug 13, 2024
Date Reported : Aug 21, 2024
Report Number : 3067963-1

Sample Number	2486565-3
Sampled Date	Aug 13, 2024 10:20 AM
Sample Description	Surface Water
Location	หัวยภูไทรจุดระบายน้ำทิ้งที่ 2 ของโครงการ (SW3)
Date Analysis Commenced	Aug 13, 2024
Condition of Sample	Contained in two glass vials, two BOD bottles 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	0.05	≤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	-	-	70000.0	≤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	0.58	≤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: 2486565
Date Received : Aug 13, 2024
Date Reported : Aug 21, 2024
Report Number : 3067963-1

Sample Number	2486565-3
Sampled Date	Aug 13, 2024 10:20 AM
Sample Description	Surface Water
Location	หัวยภูไทรจุดระบายน้ำทิ้งที่ 2 ของโครงการ (SW3)
Date Analysis Commenced	Aug 13, 2024
Condition of Sample	Contained in two glass vials, two BOD bottles 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	5.7	≥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	-	-	1.200	No Standard	No Standard	Flow meter	Rayong
Nitrate as N *	mg/L	0.015	0.05	3.54	≤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	0.002	≤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	-	-	29.6	(c)	(c)	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Rayong

Guideline : (1) Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government 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 : Ekkachai Tuntong , 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.
-
- 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

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: 2486565
Date Received : Aug 13, 2024
Date Reported : Aug 21, 2024
Report Number : 3067963-1

Sample Number	2486565-4
Sampled Date	Aug 13, 2024 10:35 AM
Sample Description	Surface Water
Location	หัวยภูไทรหลังจุดระบายน้ำทิ้งที่ 2 ของโครงการระยะห่างประมาณ 500 เมตร (SW4)
Date Analysis Commenced	Aug 13, 2024
Condition of Sample	Contained in two glass vials, two BOD bottles 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	9.52	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	0.008	≤0.10	≤0.10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
[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	0.03	≤0.05	≤0.05	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Bangkok
[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: 2486565
Date Received : Aug 13, 2024
Date Reported : Aug 21, 2024
Report Number : 3067963-1

Sample Number	2486565-4
Sampled Date	Aug 13, 2024 10:35 AM
Sample Description	Surface Water
Location	หัวยภูไทรหลังจุดระบายน้ำทิ้งที่ 2 ของโครงการระยะห่างประมาณ 500 เมตร (SW4)
Date Analysis Commenced	Aug 13, 2024
Condition of Sample	Contained in two glass vials, two BOD bottles 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	0.07	≤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	-	-	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	0.55	≤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	<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: 2486565
Date Received : Aug 13, 2024
Date Reported : Aug 21, 2024
Report Number : 3067963-1

Sample Number	2486565-4
Sampled Date	Aug 13, 2024 10:35 AM
Sample Description	Surface Water
Location	หัวยภูไทรหลังจุดระบายน้ำทิ้งที่ 2 ของโครงการระยะห่างประมาณ 500 เมตร (SW4)
Date Analysis Commenced	Aug 13, 2024
Condition of Sample	Contained in two glass vials, two BOD bottles 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	6.0	≥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	-	-	2.400	No Standard	No Standard	Flow meter	Rayong
Nitrate as N *	mg/L	0.015	0.05	3.66	≤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	0.004	≤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	-	-	30.1	(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

Sampling By : Ekkachai Tuntong , 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.
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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: 2498837
Date Received : Sep 24, 2024
Date Reported : Jan 20, 2025
Report Number : 3093552-1 Rev. No.1

Sample Number	2498837-1
Sampled Date	Sep 24, 2024 9:30 AM
Sample Description	Surface Water
Location	หัวยภูไทรก่อนจุดระบายน้ำทิ้งที่ 1 ของโครงการ ระยะห่างประมาณ 500 เมตร (SW1)
Date Analysis Commenced	Sep 24, 2024
Condition of Sample	Contained in two BOD bottles, 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	2.40	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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, 24th ed., 2023, 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, 24th ed., 2023, 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, 24th ed., 2023, 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, 24th ed., 2023, 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, 24th ed., 2023, 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	0.03	≤0.10	≤0.10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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: 2498837
Date Received : Sep 24, 2024
Date Reported : Jan 20, 2025
Report Number : 3093552-1 Rev. No.1

Sample Number	2498837-1
Sampled Date	Sep 24, 2024 9:30 AM
Sample Description	Surface Water
Location	หัวยภูไทรก่อนจุดระบายน้ำทิ้งที่ 1 ของโครงการ ระยะห่างประมาณ 500 เมตร (SW1)
Date Analysis Commenced	Sep 24, 2024
Condition of Sample	Contained in two BOD bottles, 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, 24th ed., 2023, 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, 24th ed., 2023, part 3125 B,3030 F	Bangkok
[A] Zinc	mg/L	0.003	0.005	0.07	≤1	≤1	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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, 24th ed., 2023, 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, 24th ed., 2023, part 9221 B	Bangkok
Water Testing								
Ammonia Nitrogen *	mg/L	0.02	0.05	0.81	≤0.5	≤0.5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-NH3 (F)	Rayong
BOD (5 days at 20 Degree C) *	mg/L	-	2.0	2.8	≤2	≤4	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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, 24th ed., 2023, 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: 2498837
Date Received : Sep 24, 2024
Date Reported : Jan 20, 2025
Report Number : 3093552-1 Rev. No.1

Sample Number	2498837-1
Sampled Date	Sep 24, 2024 9:30 AM
Sample Description	Surface Water
Location	หัวยภูไทรก่อนจุดระบายน้ำทิ้งที่ 1 ของโครงการ ระยะห่างประมาณ 500 เมตร (SW1)
Date Analysis Commenced	Sep 24, 2024
Condition of Sample	Contained in two BOD bottles, 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	6.2	≥4	≥2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (C)	Rayong
Flow rate *	m3/s	-	-	0.630	No Standard	No Standard	Flow meter	Rayong
Nitrate as N *	mg/L	0.015	0.05	4.37	≤5	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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, 24th ed., 2023, 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, 24th ed., 2023, part 5530 D	Rayong
Temperature *	Degree C	-	-	30.1	(c)	(c)	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2550 B	Rayong

Guideline : (1) Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 3)
(2) Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 4)
(a) Not Change from natural condition
(b) Non Objectionable
(c) Change from Natural condition not more than 3 degree C

Note : This Analysis test report is reissued to supersede report No.3093552-1, Date Reported : Oct 01, 2024 due to revise analytical information.

Sampling By : Paramet Sattayakun , Thanasoun Namakunna

Remark :
- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025.
-

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Approved by

Photchana Seeda
Scientist (4)

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: 2498837
Date Received : Sep 24, 2024
Date Reported : Jan 20, 2025
Report Number : 3093552-1 Rev. No.1

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

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Photchana Seeda
Scientist (4)

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: 2498837
Date Received : Sep 24, 2024
Date Reported : Jan 20, 2025
Report Number : 3093552-1 Rev. No.1

Sample Number	2498837-2
Sampled Date	Sep 24, 2024 9:55 AM
Sample Description	Surface Water
Location	หัวยภูไทรก่อนจุดระบายน้ำทิ้งที่ 1 ของโครงการ (SW2)
Date Analysis Commenced	Sep 24, 2024
Condition of Sample	Contained in two BOD bottles, 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	2.39	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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, 24th ed., 2023, 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, 24th ed., 2023, part 3125 B,3030 F	Bangkok
[A] Copper	mg/L	0.0003	0.0005	0.007	≤0.10	≤0.10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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, 24th ed., 2023, 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, 24th ed., 2023, 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	0.03	≤0.10	≤0.10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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: 2498837
Date Received : Sep 24, 2024
Date Reported : Jan 20, 2025
Report Number : 3093552-1 Rev. No.1

Sample Number	2498837-2
Sampled Date	Sep 24, 2024 9:55 AM
Sample Description	Surface Water
Location	หัวยภูไทรก่อนจุดระบายน้ำทิ้งที่ 1 ของโครงการ (SW2)
Date Analysis Commenced	Sep 24, 2024
Condition of Sample	Contained in two BOD bottles, 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, 24th ed., 2023, 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, 24th ed., 2023, part 3125 B,3030 F	Bangkok
[A] Zinc	mg/L	0.003	0.005	0.07	≤1	≤1	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Microbiological Testing								
[A] Fecal Coliform	MPN/100mL	-	-	1300.0	≤4000	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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, 24th ed., 2023, part 9221 B	Bangkok
Water Testing								
Ammonia Nitrogen *	mg/L	0.02	0.05	0.71	≤0.5	≤0.5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-NH3 (F)	Rayong
BOD (5 days at 20 Degree C) *	mg/L	-	2.0	3.7	≤2	≤4	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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, 24th ed., 2023, 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: 2498837
Date Received : Sep 24, 2024
Date Reported : Jan 20, 2025
Report Number : 3093552-1 Rev. No.1

Sample Number	2498837-2
Sampled Date	Sep 24, 2024 9:55 AM
Sample Description	Surface Water
Location	หัวยภูไทรก่อนจุดระบายน้ำทิ้งที่ 1 ของโครงการ (SW2)
Date Analysis Commenced	Sep 24, 2024
Condition of Sample	Contained in two BOD bottles, 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	6.5	≥4	≥2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (C)	Rayong
Flow rate *	m3/s	-	-	1.050	No Standard	No Standard	Flow meter	Rayong
Nitrate as N *	mg/L	0.015	0.05	4.31	≤5	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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, 24th ed., 2023, part 4500 - H (B)	Rayong
Phenol *	mg/L	0.0005	0.001	0.004	≤0.005	≤0.005	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5530 D	Rayong
Temperature *	Degree C	-	-	31.0	(c)	(c)	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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.3093552-1, Date Reported : Oct 01, 2024 due to revise analytical information.

Sampling By : Paramet Sattayakun , Thanasoun Namakunna

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.
-

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 Seeda
Scientist (4)

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: 2498837
Date Received : Sep 24, 2024
Date Reported : Jan 20, 2025
Report Number : 3093552-1 Rev. No.1

- 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: 2498837
Date Received : Sep 24, 2024
Date Reported : Jan 20, 2025
Report Number : 3093552-1 Rev. No.1

Sample Number	2498837-3
Sampled Date	Sep 24, 2024 10:40 AM
Sample Description	Surface Water
Location	หัวยภูไทรจุดระบายน้ำทิ้งที่ 2 ของโครงการ (SW3)
Date Analysis Commenced	Sep 24, 2024
Condition of Sample	Contained in two BOD bottles, 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	2.58	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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, 24th ed., 2023, 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, 24th ed., 2023, 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, 24th ed., 2023, 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, 24th ed., 2023, 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, 24th ed., 2023, 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, 24th ed., 2023, 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: 2498837
Date Received : Sep 24, 2024
Date Reported : Jan 20, 2025
Report Number : 3093552-1 Rev. No.1

Sample Number	2498837-3
Sampled Date	Sep 24, 2024 10:40 AM
Sample Description	Surface Water
Location	หัวยภูไทรจุดระบายน้ำทิ้งที่ 2 ของโครงการ (SW3)
Date Analysis Commenced	Sep 24, 2024
Condition of Sample	Contained in two BOD bottles, 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, 24th ed., 2023, 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, 24th ed., 2023, part 3125 B,3030 F	Bangkok
[A] Zinc	mg/L	0.003	0.005	0.07	≤1	≤1	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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, 24th ed., 2023, 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, 24th ed., 2023, part 9221 B	Bangkok
Water Testing								
Ammonia Nitrogen *	mg/L	0.02	0.05	0.48	≤0.5	≤0.5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-NH3 (F)	Rayong
BOD (5 days at 20 Degree C) *	mg/L	-	2.0	3.4	≤2	≤4	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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, 24th ed., 2023, 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: 2498837
Date Received : Sep 24, 2024
Date Reported : Jan 20, 2025
Report Number : 3093552-1 Rev. No.1

Sample Number	2498837-3
Sampled Date	Sep 24, 2024 10:40 AM
Sample Description	Surface Water
Location	หัวยภูไทรจุดระบายน้ำทิ้งที่ 2 ของโครงการ (SW3)
Date Analysis Commenced	Sep 24, 2024
Condition of Sample	Contained in two BOD bottles, 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	5.7	≥4	≥2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (C)	Rayong
Flow rate *	m3/s	-	-	9.000	No Standard	No Standard	Flow meter	Rayong
Nitrate as N *	mg/L	0.015	0.05	3.75	≤5	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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, 24th ed., 2023, 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, 24th ed., 2023, part 5530 D	Rayong
Temperature *	Degree C	-	-	30.5	(c)	(c)	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2550 B	Rayong

Guideline : (1) Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 3)
(2) Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 4)
(a) Not Change from natural condition
(b) Non Objectionable
(c) Change from Natural condition not more than 3 degree C

Note : This Analysis test report is reissued to supersede report No.3093552-1, Date Reported : Oct 01, 2024 due to revise analytical information.

Sampling By : Paramet Sattayakun , Thanasoun Namakunna

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.
-

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 Seeda
Scientist (4)

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: 2498837
Date Received : Sep 24, 2024
Date Reported : Jan 20, 2025
Report Number : 3093552-1 Rev. No.1

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

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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: 2498837
Date Received : Sep 24, 2024
Date Reported : Jan 20, 2025
Report Number : 3093552-1 Rev. No.1

Sample Number	2498837-4
Sampled Date	Sep 24, 2024 10:50 AM
Sample Description	Surface Water
Location	หัวยภูไทรหลังจุดระบายน้ำทิ้งที่ 2 ของโครงการระยะห่างประมาณ 500 เมตร (SW4)
Date Analysis Commenced	Sep 24, 2024
Condition of Sample	Contained in two BOD bottles, 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	3.29	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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, 24th ed., 2023, 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, 24th ed., 2023, 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, 24th ed., 2023, 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, 24th ed., 2023, 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, 24th ed., 2023, 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, 24th ed., 2023, 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: 2498837
Date Received : Sep 24, 2024
Date Reported : Jan 20, 2025
Report Number : 3093552-1 Rev. No.1

Sample Number	2498837-4
Sampled Date	Sep 24, 2024 10:50 AM
Sample Description	Surface Water
Location	หัวยภูไทรหลังจุดระบายน้ำทิ้งที่ 2 ของโครงการระยะห่างประมาณ 500 เมตร (SW4)
Date Analysis Commenced	Sep 24, 2024
Condition of Sample	Contained in two BOD bottles, 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, 24th ed., 2023, 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, 24th ed., 2023, part 3125 B,3030 F	Bangkok
[A] Zinc	mg/L	0.003	0.005	0.07	≤1	≤1	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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, 24th ed., 2023, 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, 24th ed., 2023, part 9221 B	Bangkok
Water Testing								
Ammonia Nitrogen *	mg/L	0.02	0.05	0.43	≤0.5	≤0.5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-NH3 (F)	Rayong
BOD (5 days at 20 Degree C) *	mg/L	-	2.0	2.2	≤2	≤4	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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, 24th ed., 2023, 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: 2498837
Date Received : Sep 24, 2024
Date Reported : Jan 20, 2025
Report Number : 3093552-1 Rev. No.1

Sample Number	2498837-4
Sampled Date	Sep 24, 2024 10:50 AM
Sample Description	Surface Water
Location	หัวยภูไทรหลังจุดระบายน้ำทิ้งที่ 2 ของโครงการระยะห่างประมาณ 500 เมตร (SW4)
Date Analysis Commenced	Sep 24, 2024
Condition of Sample	Contained in two BOD bottles, 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	5.6	≥4	≥2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (C)	Rayong
Flow rate *	m3/s	-	-	9.600	No Standard	No Standard	Flow meter	Rayong
Nitrate as N *	mg/L	0.015	0.05	3.72	≤5	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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, 24th ed., 2023, 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, 24th ed., 2023, part 5530 D	Rayong
Temperature *	Degree C	-	-	30.7	(c)	(c)	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2550 B	Rayong

Guideline : (1) Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 3)
(2) Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 4)
(a) Not Change from natural condition
(b) Non Objectionable
(c) Change from Natural condition not more than 3 degree C

Note : This Analysis test report is reissued to supersede report No.3093552-1, Date Reported : Oct 01, 2024 due to revise analytical information.

Sampling By : Paramet Sattayakun , Thanasoun Namakunna

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.
-

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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Photchana Seeda
Scientist (4)

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: 2498837
Date Received : Sep 24, 2024
Date Reported : Jan 20, 2025
Report Number : 3093552-1 Rev. No.1

- 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: 24109678
Date Received : Oct 25, 2024
Date Reported : Nov 01, 2024
Report Number : 3118535-1

Sample Number	24109678-1
Sampled Date	Oct 25, 2024 9:40 AM
Sample Description	Surface Water
Location	หัวยภูไทรก่อนจุดระบายน้ำทิ้งที่ 1 ของโครงการ ระยะห่างประมาณ 500 เมตร (SW1)
Date Analysis Commenced	Oct 25, 2024
Condition of Sample	Contained in two glass vials, two BOD bottles 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	1.15	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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, 24th ed., 2023, 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, 24th ed., 2023, 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, 24th ed., 2023, 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, 24th ed., 2023, 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, 24th ed., 2023, 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	0.007	≤0.10	≤0.10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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: 24109678
Date Received : Oct 25, 2024
Date Reported : Nov 01, 2024
Report Number : 3118535-1

Sample Number	24109678-1
Sampled Date	Oct 25, 2024 9:40 AM
Sample Description	Surface Water
Location	หัวยภูไทรก่อนจุดระบายน้ำทิ้งที่ 1 ของโครงการ ระยะห่างประมาณ 500 เมตร (SW1)
Date Analysis Commenced	Oct 25, 2024
Condition of Sample	Contained in two glass vials, two BOD bottles 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, 24th ed., 2023, 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, 24th ed., 2023, 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, 24th ed., 2023, 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, 24th ed., 2023, 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, 24th ed., 2023, part 9221 B	Bangkok
Water Testing								
Ammonia Nitrogen *	mg/L	0.02	0.05	0.38	≤0.5	≤0.5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-NH3 (F)	Rayong
BOD (5 days at 20 Degree C) *	mg/L	-	2.0	3.3	≤2	≤4	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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, 24th ed., 2023, 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: 24109678
Date Received : Oct 25, 2024
Date Reported : Nov 01, 2024
Report Number : 3118535-1

Sample Number	24109678-1
Sampled Date	Oct 25, 2024 9:40 AM
Sample Description	Surface Water
Location	หัวยภูไทรก่อนจุดระบายน้ำทิ้งที่ 1 ของโครงการ ระยะห่างประมาณ 500 เมตร (SW1)
Date Analysis Commenced	Oct 25, 2024
Condition of Sample	Contained in two glass vials, two BOD bottles 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	6.1	≥4	≥2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (C)	Rayong
Flow rate *	m3/s	-	-	14.0	No Standard	No Standard	Flow meter	Rayong
Nitrate as N *	mg/L	0.015	0.05	3.79	≤5	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-NO3 (E)	Rayong
pH at 25 degree C		-	-	7.1	5.0-9.0	5.0-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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, 24th ed., 2023, part 5530 D	Rayong
Temperature *	Degree C	-	-	29.4	(c)	(c)	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2550 B	Rayong

Guideline : (1) Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 3)
(2) Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 4)
(a) Not Change from natural condition
(b) Non Objectionable
(c) Change from Natural condition not more than 3 degree C

Sampling By : Nattawut Athomprommarat , Kardbundit Kitisupavanit

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: 24109678
Date Received : Oct 25, 2024
Date Reported : Nov 01, 2024
Report Number : 3118535-1

Sample Number	24109678-2
Sampled Date	Oct 25, 2024 10:05 AM
Sample Description	Surface Water
Location	หัวยภูไทรก่อนจุดระบายน้ำทิ้งที่ 1 ของโครงการ (SW2)
Date Analysis Commenced	Oct 25, 2024
Condition of Sample	Contained in two glass vials, two BOD bottles 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	1.39	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
[A] Arsenic	mg/L	0.0003	0.0005	0.008	≤0.01	≤0.01	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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, 24th ed., 2023, 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, 24th ed., 2023, 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, 24th ed., 2023, part 3500-Cr B	Bangkok
[A] Lead	mg/L	0.0003	0.0005	0.006	≤0.05	≤0.05	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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	0.007	≤0.10	≤0.10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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: 24109678
Date Received : Oct 25, 2024
Date Reported : Nov 01, 2024
Report Number : 3118535-1

Sample Number	24109678-2
Sampled Date	Oct 25, 2024 10:05 AM
Sample Description	Surface Water
Location	หัวยภูไทรก่อนจุดระบายน้ำทิ้งที่ 1 ของโครงการ (SW2)
Date Analysis Commenced	Oct 25, 2024
Condition of Sample	Contained in two glass vials, two BOD bottles 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, 24th ed., 2023, 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, 24th ed., 2023, 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, 24th ed., 2023, 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, 24th ed., 2023, part 9221 B, E	Bangkok
[A] Total Coliform	MPN/100mL	-	-	70000.0	≤20000	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 9221 B	Bangkok
Water Testing								
Ammonia Nitrogen *	mg/L	0.02	0.05	0.36	≤0.5	≤0.5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-NH3 (F)	Rayong
BOD (5 days at 20 Degree C) *	mg/L	-	2.0	2.8	≤2	≤4	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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, 24th ed., 2023, 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: 24109678
Date Received : Oct 25, 2024
Date Reported : Nov 01, 2024
Report Number : 3118535-1

Sample Number	24109678-2
Sampled Date	Oct 25, 2024 10:05 AM
Sample Description	Surface Water
Location	หัวยภูไทรก่อนจุดระบายน้ำทิ้งที่ 1 ของโครงการ (SW2)
Date Analysis Commenced	Oct 25, 2024
Condition of Sample	Contained in two glass vials, two BOD bottles 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	6.4	≥4	≥2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (C)	Rayong
Flow rate *	m3/s	-	-	8.0	No Standard	No Standard	Flow meter	Rayong
Nitrate as N *	mg/L	0.015	0.05	3.63	≤5	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-NO3 (E)	Rayong
pH at 25 degree C		-	-	7.2	5.0-9.0	5.0-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong
Phenol *	mg/L	0.0005	0.001	0.004	≤0.005	≤0.005	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5530 D	Rayong
Temperature *	Degree C	-	-	29.6	(c)	(c)	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2550 B	Rayong

Guideline : (1) Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 3)
(2) Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 4)
(a) Not Change from natural condition
(b) Non Objectionable
(c) Change from Natural condition not more than 3 degree C

Sampling By : Nattawut Athomprommarat , Kardbundit Kitisupavanit

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: 24109678
Date Received : Oct 25, 2024
Date Reported : Nov 01, 2024
Report Number : 3118535-1

Sample Number	24109678-3
Sampled Date	Oct 25, 2024 10:30 AM
Sample Description	Surface Water
Location	หัวยภูไทรจุดระบายน้ำทิ้งที่ 2 ของโครงการ (SW3)
Date Analysis Commenced	Oct 25, 2024
Condition of Sample	Contained in two glass vials, two BOD bottles 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	1.26	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
[A] Arsenic	mg/L	0.0003	0.0005	0.008	≤0.01	≤0.01	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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, 24th ed., 2023, 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, 24th ed., 2023, 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, 24th ed., 2023, 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, 24th ed., 2023, 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	0.007	≤0.10	≤0.10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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: 24109678
Date Received : Oct 25, 2024
Date Reported : Nov 01, 2024
Report Number : 3118535-1

Sample Number	24109678-3
Sampled Date	Oct 25, 2024 10:30 AM
Sample Description	Surface Water
Location	หัวยภูไทรจุดระบายน้ำทิ้งที่ 2 ของโครงการ (SW3)
Date Analysis Commenced	Oct 25, 2024
Condition of Sample	Contained in two glass vials, two BOD bottles 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, 24th ed., 2023, 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, 24th ed., 2023, 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, 24th ed., 2023, 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, 24th ed., 2023, 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, 24th ed., 2023, part 9221 B	Bangkok
Water Testing								
Ammonia Nitrogen *	mg/L	0.02	0.05	0.32	≤0.5	≤0.5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-NH3 (F)	Rayong
BOD (5 days at 20 Degree C) *	mg/L	-	2.0	2.8	≤2	≤4	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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, 24th ed., 2023, 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: 24109678
Date Received : Oct 25, 2024
Date Reported : Nov 01, 2024
Report Number : 3118535-1

Sample Number	24109678-3
Sampled Date	Oct 25, 2024 10:30 AM
Sample Description	Surface Water
Location	หัวยภูไทรจุดระบายน้ำทิ้งที่ 2 ของโครงการ (SW3)
Date Analysis Commenced	Oct 25, 2024
Condition of Sample	Contained in two glass vials, two BOD bottles 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	7.5	≥4	≥2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (C)	Rayong
Flow rate *	m3/s	-	-	13.5	No Standard	No Standard	Flow meter	Rayong
Nitrate as N *	mg/L	0.015	0.05	0.54	≤5	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-NO3 (E)	Rayong
pH at 25 degree C		-	-	7.3	5.0-9.0	5.0-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong
Phenol *	mg/L	0.0005	0.001	0.004	≤0.005	≤0.005	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5530 D	Rayong
Temperature *	Degree C	-	-	29.7	(c)	(c)	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2550 B	Rayong

Guideline : (1) Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 3)
(2) Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 4)
(a) Not Change from natural condition
(b) Non Objectionable
(c) Change from Natural condition not more than 3 degree C

Sampling By : Nattawut Athomprommarat , Kardbundit Kitisupavanit

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: 24109678
Date Received : Oct 25, 2024
Date Reported : Nov 01, 2024
Report Number : 3118535-1

Sample Number	24109678-4
Sampled Date	Oct 25, 2024 10:45 AM
Sample Description	Surface Water
Location	ห้วยภูไทรหลังจุดระบายน้ำทิ้งที่ 2 ของโครงการระยะห่างประมาณ 500 เมตร (SW4)
Date Analysis Commenced	Oct 25, 2024
Condition of Sample	Contained in two glass vials, two BOD bottles 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	1.14	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Arsenic	mg/L	0.0003	0.0005	0.008	≤0.01	≤0.01	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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, 24th ed., 2023, 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, 24th ed., 2023, 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, 24th ed., 2023, 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, 24th ed., 2023, 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	0.007	≤0.10	≤0.10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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: 24109678
Date Received : Oct 25, 2024
Date Reported : Nov 01, 2024
Report Number : 3118535-1

Sample Number	24109678-4
Sampled Date	Oct 25, 2024 10:45 AM
Sample Description	Surface Water
Location	หัวยภูไทรหลังจุดระบายน้ำทิ้งที่ 2 ของโครงการระยะห่างประมาณ 500 เมตร (SW4)
Date Analysis Commenced	Oct 25, 2024
Condition of Sample	Contained in two glass vials, two BOD bottles 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, 24th ed., 2023, 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, 24th ed., 2023, 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, 24th ed., 2023, 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, 24th ed., 2023, 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, 24th ed., 2023, part 9221 B	Bangkok
Water Testing								
Ammonia Nitrogen *	mg/L	0.02	0.05	0.34	≤0.5	≤0.5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-NH3 (F)	Rayong
BOD (5 days at 20 Degree C) *	mg/L	-	2.0	3.0	≤2	≤4	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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, 24th ed., 2023, 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: 24109678
Date Received : Oct 25, 2024
Date Reported : Nov 01, 2024
Report Number : 3118535-1

Sample Number	24109678-4
Sampled Date	Oct 25, 2024 10:45 AM
Sample Description	Surface Water
Location	หัวยภูไทรหลังจุดระบายน้ำทิ้งที่ 2 ของโครงการระยะห่างประมาณ 500 เมตร (SW4)
Date Analysis Commenced	Oct 25, 2024
Condition of Sample	Contained in two glass vials, two BOD bottles 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	7.1	≥4	≥2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (C)	Rayong
Flow rate *	m3/s	-	-	5.0	No Standard	No Standard	Flow meter	Rayong
Nitrate as N *	mg/L	0.015	0.05	0.73	≤5	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-NO3 (E)	Rayong
pH at 25 degree C		-	-	7.3	5.0-9.0	5.0-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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, 24th ed., 2023, part 5530 D	Rayong
Temperature *	Degree C	-	-	30.0	(c)	(c)	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2550 B	Rayong

Guideline : (1) Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 3)
(2) Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 4)
(a) Not Change from natural condition
(b) Non Objectionable
(c) Change from Natural condition not more than 3 degree C

Sampling By : Nattawut Athomprommarat , Kardbundit Kitisupavanit

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: 24136036
Date Received : Dec 10, 2024
Date Reported : Dec 17, 2024
Report Number : 3180294-1

Sample Number	24136036-1
Sampled Date	Dec 10, 2024 10:34 AM
Sample Description	Surface Water
Location	หัวยภูไทรก่อนจุดระบายน้ำทิ้งที่ 1 ของโครงการ ระยะห่างประมาณ 500 เมตร (SW1)
Date Analysis Commenced	Dec 10, 2024
Condition of Sample	Contained in two glass vials, two BOD bottles and seven plastic bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Metals Testing								
Aluminium	mg/L	0.003	0.005	1.40	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Arsenic	mg/L	0.0003	0.0005	0.008	≤0.01	≤0.01	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
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, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Copper	mg/L	0.0003	0.0005	0.009	≤0.10	≤0.10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
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, 24th ed., 2023, part 3500-Cr B	Bangkok
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, 24th ed., 2023, part 3125 B,3030 F	Bangkok
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
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, 24th ed., 2023, 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: 24136036
Date Received : Dec 10, 2024
Date Reported : Dec 17, 2024
Report Number : 3180294-1

Sample Number	24136036-1
Sampled Date	Dec 10, 2024 10:34 AM
Sample Description	Surface Water
Location	หัวยภูไทรก่อนจุดระบายน้ำทิ้งที่ 1 ของโครงการ ระยะห่างประมาณ 500 เมตร (SW1)
Date Analysis Commenced	Dec 10, 2024
Condition of Sample	Contained in two glass vials, two BOD bottles and seven plastic bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Metals Testing								
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, 24th ed., 2023, 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, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Zinc	mg/L	0.003	0.005	0.03	≤1	≤1	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Microbiological Testing								
[A] Fecal Coliform	MPN/100mL	-	-	22000.0	≤4000	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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, 24th ed., 2023, part 9221 B	Bangkok
Water Testing								
Ammonia Nitrogen *	mg/L	0.02	0.05	0.84	≤0.5	≤0.5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-NH3 (F)	Rayong
BOD (5 days at 20 Degree C) *	mg/L	-	2.0	3.0	≤2	≤4	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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, 24th ed., 2023, 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: 24136036
Date Received : Dec 10, 2024
Date Reported : Dec 17, 2024
Report Number : 3180294-1

Sample Number	24136036-1
Sampled Date	Dec 10, 2024 10:34 AM
Sample Description	Surface Water
Location	หัวยภูไทรก่อนจุดระบายน้ำทิ้งที่ 1 ของโครงการ ระยะห่างประมาณ 500 เมตร (SW1)
Date Analysis Commenced	Dec 10, 2024
Condition of Sample	Contained in two glass vials, two BOD bottles and seven plastic bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Water Testing								
Dissolved Oxygen *	mg/L	-	0.1	5.6	≥4	≥2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (C)	Rayong
Flow rate *	m3/s	-	-	1.260	No Standard	No Standard	Flow meter	Rayong
Nitrate as N *	mg/L	0.015	0.05	3.75	≤5	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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, 24th ed., 2023, part 4500 - H (B)	Rayong
Phenol *	mg/L	0.0005	0.001	0.004	≤0.005	≤0.005	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5530 D	Rayong
Temperature *	Degree C	-	-	29.1	(c)	(c)	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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 : Suphanat Sakulkittimasak , 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.
-
- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

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Approved by

Photchana Seeda
Scientist (4)

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: 24136036
Date Received : Dec 10, 2024
Date Reported : Dec 17, 2024
Report Number : 3180294-1

Sample Number	24136036-2
Sampled Date	Dec 10, 2024 10:03 AM
Sample Description	Surface Water
Location	หัวยภูไทรก่อนจุดระบายน้ำทิ้งที่ 1 ของโครงการ (SW2)
Date Analysis Commenced	Dec 10, 2024
Condition of Sample	Contained in two glass vials, two BOD bottles and seven plastic bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Metals Testing								
Aluminium	mg/L	0.003	0.005	1.23	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Arsenic	mg/L	0.0003	0.0005	0.008	≤0.01	≤0.01	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
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, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Copper	mg/L	0.0003	0.0005	0.008	≤0.10	≤0.10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
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, 24th ed., 2023, part 3500-Cr B	Bangkok
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, 24th ed., 2023, part 3125 B,3030 F	Bangkok
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
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, 24th ed., 2023, 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: 24136036
Date Received : Dec 10, 2024
Date Reported : Dec 17, 2024
Report Number : 3180294-1

Sample Number	24136036-2
Sampled Date	Dec 10, 2024 10:03 AM
Sample Description	Surface Water
Location	หัวยภูไทรก่อนจุดระบายน้ำทิ้งที่ 1 ของโครงการ (SW2)
Date Analysis Commenced	Dec 10, 2024
Condition of Sample	Contained in two glass vials, two BOD bottles and seven plastic bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Metals Testing								
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, 24th ed., 2023, 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, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Zinc	mg/L	0.003	0.005	0.02	≤1	≤1	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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, 24th ed., 2023, part 9221 B, E	Bangkok
[A] Total Coliform	MPN/100mL	-	-	70000.0	≤20000	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 9221 B	Bangkok
Water Testing								
Ammonia Nitrogen *	mg/L	0.02	0.05	0.71	≤0.5	≤0.5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-NH3 (F)	Rayong
BOD (5 days at 20 Degree C) *	mg/L	-	2.0	2.5	≤2	≤4	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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, 24th ed., 2023, 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: 24136036
Date Received : Dec 10, 2024
Date Reported : Dec 17, 2024
Report Number : 3180294-1

Sample Number	24136036-2
Sampled Date	Dec 10, 2024 10:03 AM
Sample Description	Surface Water
Location	หัวยภูไทรก่อนจุดระบายน้ำทิ้งที่ 1 ของโครงการ (SW2)
Date Analysis Commenced	Dec 10, 2024
Condition of Sample	Contained in two glass vials, two BOD bottles and seven plastic bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Water Testing								
Dissolved Oxygen *	mg/L	-	0.1	6.1	≥4	≥2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (C)	Rayong
Flow rate *	m3/s	-	-	No Velocity	No Standard	No Standard	Flow meter	Rayong
Nitrate as N *	mg/L	0.015	0.05	3.35	≤5	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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, 24th ed., 2023, part 4500 - H (B)	Rayong
Phenol *	mg/L	0.0005	0.001	0.004	≤0.005	≤0.005	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5530 D	Rayong
Temperature *	Degree C	-	-	29.0	(c)	(c)	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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 : Suphanat Sakulkittimasak , 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.
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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

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: 24136036
Date Received : Dec 10, 2024
Date Reported : Dec 17, 2024
Report Number : 3180294-1

Sample Number	24136036-3
Sampled Date	Dec 10, 2024 9:20 AM
Sample Description	Surface Water
Location	หัวยภูไทรจุดระบายน้ำทิ้งที่ 2 ของโครงการ (SW3)
Date Analysis Commenced	Dec 10, 2024
Condition of Sample	Contained in two glass vials, two BOD bottles and seven plastic bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Metals Testing								
Aluminium	mg/L	0.003	0.005	1.39	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Arsenic	mg/L	0.0003	0.0005	0.008	≤0.01	≤0.01	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
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, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Copper	mg/L	0.0003	0.0005	0.008	≤0.10	≤0.10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
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, 24th ed., 2023, part 3500-Cr B	Bangkok
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, 24th ed., 2023, part 3125 B,3030 F	Bangkok
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
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, 24th ed., 2023, 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: 24136036
Date Received : Dec 10, 2024
Date Reported : Dec 17, 2024
Report Number : 3180294-1

Sample Number	24136036-3
Sampled Date	Dec 10, 2024 9:20 AM
Sample Description	Surface Water
Location	หัวยภูไทรจุดระบายน้ำทิ้งที่ 2 ของโครงการ (SW3)
Date Analysis Commenced	Dec 10, 2024
Condition of Sample	Contained in two glass vials, two BOD bottles and seven plastic bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Metals Testing								
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, 24th ed., 2023, 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, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Zinc	mg/L	0.003	0.005	0.02	≤1	≤1	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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, 24th ed., 2023, 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, 24th ed., 2023, part 9221 B	Bangkok
Water Testing								
Ammonia Nitrogen *	mg/L	0.02	0.05	0.48	≤0.5	≤0.5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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, 24th ed., 2023, 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, 24th ed., 2023, 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: 24136036
Date Received : Dec 10, 2024
Date Reported : Dec 17, 2024
Report Number : 3180294-1

Sample Number	24136036-3
Sampled Date	Dec 10, 2024 9:20 AM
Sample Description	Surface Water
Location	หัวยภูไทรจุดระบายน้ำทิ้งที่ 2 ของโครงการ (SW3)
Date Analysis Commenced	Dec 10, 2024
Condition of Sample	Contained in two glass vials, two BOD bottles and seven plastic bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Water Testing								
Dissolved Oxygen *	mg/L	-	0.1	5.9	≥4	≥2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (C)	Rayong
Flow rate *	m3/s	-	-	No Velocity	No Standard	No Standard	Flow meter	Rayong
Nitrate as N *	mg/L	0.015	0.05	3.28	≤5	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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, 24th ed., 2023, part 4500 - H (B)	Rayong
Phenol *	mg/L	0.0005	0.001	0.004	≤0.005	≤0.005	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5530 D	Rayong
Temperature *	Degree C	-	-	28.4	(c)	(c)	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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 : Suphanat Sakulkittimasak , 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.
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- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

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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: 24136036
Date Received : Dec 10, 2024
Date Reported : Dec 17, 2024
Report Number : 3180294-1

Sample Number	24136036-4
Sampled Date	Dec 10, 2024 8:59 AM
Sample Description	Surface Water
Location	หัวยภูไทรหลังจุดระบายน้ำทิ้งที่ 2 ของโครงการระยะห่างประมาณ 500 เมตร (SW4)
Date Analysis Commenced	Dec 10, 2024
Condition of Sample	Contained in two glass vials, two BOD bottles and seven plastic bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Metals Testing								
Aluminium	mg/L	0.003	0.005	1.52	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Arsenic	mg/L	0.0003	0.0005	0.008	≤0.01	≤0.01	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
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, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Copper	mg/L	0.0003	0.0005	0.008	≤0.10	≤0.10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
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, 24th ed., 2023, part 3500-Cr B	Bangkok
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, 24th ed., 2023, part 3125 B,3030 F	Bangkok
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
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, 24th ed., 2023, 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: 24136036
Date Received : Dec 10, 2024
Date Reported : Dec 17, 2024
Report Number : 3180294-1

Sample Number	24136036-4
Sampled Date	Dec 10, 2024 8:59 AM
Sample Description	Surface Water
Location	หัวยภูไทรหลังจุดระบายน้ำทิ้งที่ 2 ของโครงการระยะห่างประมาณ 500 เมตร (SW4)
Date Analysis Commenced	Dec 10, 2024
Condition of Sample	Contained in two glass vials, two BOD bottles and seven plastic bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Metals Testing								
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, 24th ed., 2023, 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, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Zinc	mg/L	0.003	0.005	0.02	≤1	≤1	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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, 24th ed., 2023, part 9221 B, E	Bangkok
[A] Total Coliform	MPN/100mL	-	-	13000.0	≤20000	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 9221 B	Bangkok
Water Testing								
Ammonia Nitrogen *	mg/L	0.02	0.05	0.43	≤0.5	≤0.5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-NH3 (F)	Rayong
BOD (5 days at 20 Degree C) *	mg/L	-	2.0	2.6	≤2	≤4	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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, 24th ed., 2023, 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: 24136036
Date Received : Dec 10, 2024
Date Reported : Dec 17, 2024
Report Number : 3180294-1

Sample Number	24136036-4
Sampled Date	Dec 10, 2024 8:59 AM
Sample Description	Surface Water
Location	หัวยภูไทรหลังจุดระบายน้ำทิ้งที่ 2 ของโครงการระยะห่างประมาณ 500 เมตร (SW4)
Date Analysis Commenced	Dec 10, 2024
Condition of Sample	Contained in two glass vials, two BOD bottles and seven plastic bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline (1)	Guideline (2)	Method	Testing Location
Water Testing								
Dissolved Oxygen *	mg/L	-	0.1	5.4	≥4	≥2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-O (C)	Rayong
Flow rate *	m3/s	-	-	0.400	No Standard	No Standard	Flow meter	Rayong
Nitrate as N *	mg/L	0.015	0.05	3.11	≤5	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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, 24th ed., 2023, 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, 24th ed., 2023, part 5530 D	Rayong
Temperature *	Degree C	-	-	28.7	(c)	(c)	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2550 B	Rayong

Guideline : (1) Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 3)
(2) Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 4)
(a) Not Change from natural condition
(b) Non Objectionable
(c) Change from Natural condition not more than 3 degree C

Sampling By : Suphanat Sakulkittimasak , 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.
-
- 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

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

Lot ID: 24122882
Date Received : Nov 21, 2024
Date Reported : Dec 02, 2024
Report Number : 3181221-1

Sample Number	24122882-1
Sampled Date	Nov 21, 2024 11:26 AM
Sample Description	Undeground Water
Location	พื้นที่สีเขียวด้านทิศเหนือ (GW1)
Date Analysis Commenced	Nov 21, 2024
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	1.87	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Barium	mg/L	0.0003	0.0005	0.20	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Copper	mg/L	0.0003	0.0005	0.004	≤1.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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, 24th ed., 2023, part 3500-Cr B	Bangkok
Iron	mg/L	0.003	0.005	3.65	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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, 24th ed., 2023, part 3125 B,3030 F	Bangkok

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Approved by

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

Lot ID: 24122882
Date Received : Nov 21, 2024
Date Reported : Dec 02, 2024
Report Number : 3181221-1

Sample Number	24122882-1
Sampled Date	Nov 21, 2024 11:26 AM
Sample Description	Undeground Water
Location	พื้นที่สีเขียวด้านทิศเหนือ (GW1)
Date Analysis Commenced	Nov 21, 2024
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	0.08	≤0.5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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	0.005	≤0.02	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Selenium	mg/L	0.0003	0.0005	0.001	≤0.01	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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, 24th ed., 2023, 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, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Zinc	mg/L	0.003	0.005	0.009	≤5.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Microbiological Testing							

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

Lot ID: 24122882
Date Received : Nov 21, 2024
Date Reported : Dec 02, 2024
Report Number : 3181221-1

Sample Number	24122882-1
Sampled Date	Nov 21, 2024 11:26 AM
Sample Description	Undeground Water
Location	พื้นที่สีเขียวด้านทิศเหนือ (GW1)
Date Analysis Commenced	Nov 21, 2024
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, 24th ed., 2023, part 9221 B, F	Bangkok
Standard Plate Count	CFU/mL	-	-	150	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 9215 B	Bangkok
Total Coliform	MPN/100mL	-	-	<1.8	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 9221 B	Bangkok
Water Testing							
Chloride as Cl *	mg/L	0.5	1	16	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-Cl (B)	Rayong
Color *	Color unit	-	5	<5	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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, 24th ed., 2023, part 4500-F (C)	Rayong
Nitrate as N *	mg/L	0.015	0.05	3.82	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-NO3 (E)	Rayong
Permanent Hardness as CaCO3 *	mg/L	-	1	4	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2320 B	Bangkok
pH at 25 degree C *		-	-	6.4	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

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

Lot ID: 24122882
Date Received : Nov 21, 2024
Date Reported : Dec 02, 2024
Report Number : 3181221-1

Sample Number	24122882-1
Sampled Date	Nov 21, 2024 11:26 AM
Sample Description	Undeground Water
Location	พื้นที่สีเขียวด้านทิศเหนือ (GW1)
Date Analysis Commenced	Nov 21, 2024
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	14.8	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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, 24th ed., 2023, part 2320 B	Bangkok
Total Dissolved Solids Dried at 180 degree C *	mg/L	-	5	202	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Total Hardness as CaCO3 *	mg/L	-	1	80	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2340 C	Bangkok
Turbidity *	NTU	-	0.1	190	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2130 B	Rayong

Guideline : Notification of the National Environmental Board, No. 20, B.E.2543

Sampling By : Narunat thammasaro , 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.
- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

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

Lot ID: 24122882
Date Received : Nov 21, 2024
Date Reported : Dec 02, 2024
Report Number : 3181222-1

Sample Number	24122882-2
Sampled Date	Nov 21, 2024 12:27 PM
Sample Description	Undeground Water
Location	พื้นที่สีเขียวด้านทิศใต้ (GW2)
Date Analysis Commenced	Nov 21, 2024
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	0.05	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Barium	mg/L	0.0003	0.0005	0.06	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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, 24th ed., 2023, 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, 24th ed., 2023, 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, 24th ed., 2023, part 3500-Cr B	Bangkok
Iron	mg/L	0.003	0.005	0.09	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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, 24th ed., 2023, part 3125 B,3030 F	Bangkok

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

Lot ID: 24122882
Date Received : Nov 21, 2024
Date Reported : Dec 02, 2024
Report Number : 3181222-1

Sample Number	24122882-2
Sampled Date	Nov 21, 2024 12:27 PM
Sample Description	Undeground Water
Location	พื้นที่สีเขียวด้านทิศใต้ (GW2)
Date Analysis Commenced	Nov 21, 2024
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	0.52	≤0.5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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	0.004	≤0.02	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Selenium	mg/L	0.0003	0.0005	0.0006	≤0.01	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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, 24th ed., 2023, 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, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Zinc	mg/L	0.003	0.005	0.01	≤5.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Microbiological Testing							

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

Lot ID: 24122882
Date Received : Nov 21, 2024
Date Reported : Dec 02, 2024
Report Number : 3181222-1

Sample Number	24122882-2
Sampled Date	Nov 21, 2024 12:27 PM
Sample Description	Undeground Water
Location	พื้นที่สีเขียวด้านทิศใต้ (GW2)
Date Analysis Commenced	Nov 21, 2024
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, 24th ed., 2023, part 9221 B, F	Bangkok
Standard Plate Count	CFU/mL	-	-	84	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 9215 B	Bangkok
Total Coliform	MPN/100mL	-	-	<1.8	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 9221 B	Bangkok
Water Testing							
Chloride as Cl *	mg/L	0.5	1	165	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-Cl (B)	Rayong
Color *	Color unit	-	5	<5	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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, 24th ed., 2023, part 4500-F (C)	Rayong
Nitrate as N *	mg/L	0.015	0.05	2.80	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-NO3 (E)	Rayong
Permanent Hardness as CaCO3 *	mg/L	-	1	172	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2320 B	Bangkok
pH at 25 degree C *		-	-	5.8	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong

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

Lot ID: 24122882
Date Received : Nov 21, 2024
Date Reported : Dec 02, 2024
Report Number : 3181222-1

Sample Number	24122882-2
Sampled Date	Nov 21, 2024 12:27 PM
Sample Description	Undeground Water
Location	พื้นที่สีเขียวด้านทิศใต้ (GW2)
Date Analysis Commenced	Nov 21, 2024
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	249	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-SO4 (E)	Rayong
Total Alkalinity as CaCO3 *	mg/L	-	1	13	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2320 B	Bangkok
Total Dissolved Solids Dried at 180 degree C *	mg/L	-	5	664	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Total Hardness as CaCO3 *	mg/L	-	1	185	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2340 C	Bangkok
Turbidity *	NTU	-	0.1	1.8	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2130 B	Rayong

Guideline : Notification of the National Environmental Board, No. 20, B.E.2543

Sampling By : Narunat thammasaro , Pattarapol Sawangjaitam

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.

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Approved by

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

Lot ID: 24122882
Date Received : Nov 21, 2024
Date Reported : Dec 02, 2024
Report Number : 3181223-1

Sample Number	24122882-3
Sampled Date	Nov 21, 2024 2:37 PM
Sample Description	Undeground Water
Location	พื้นที่สีเขียวด้านทิศตะวันออก (GW3)
Date Analysis Commenced	Nov 21, 2024
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	9.68	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Arsenic	mg/L	0.0003	0.0005	0.004	≤0.01	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Barium	mg/L	0.0003	0.0005	0.07	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Copper	mg/L	0.0003	0.0005	0.009	≤1.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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, 24th ed., 2023, part 3500-Cr B	Bangkok
Iron	mg/L	0.003	0.005	15.2	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Lead	mg/L	0.0003	0.0005	0.03	≤0.01	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok

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

Lot ID: 24122882
Date Received : Nov 21, 2024
Date Reported : Dec 02, 2024
Report Number : 3181223-1

Sample Number	24122882-3
Sampled Date	Nov 21, 2024 2:37 PM
Sample Description	Undeground Water
Location	พื้นที่สีเขียวด้านทิศตะวันออก (GW3)
Date Analysis Commenced	Nov 21, 2024
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	0.31	≤0.5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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	0.02	≤0.02	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Selenium	mg/L	0.0003	0.0005	0.001	≤0.01	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Trivalent Chromium *	mg/L	-	0.01	0.03	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Zinc	mg/L	0.003	0.005	0.04	≤5.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Microbiological Testing							

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

Lot ID: 24122882
Date Received : Nov 21, 2024
Date Reported : Dec 02, 2024
Report Number : 3181223-1

Sample Number	24122882-3
Sampled Date	Nov 21, 2024 2:37 PM
Sample Description	Undeground Water
Location	พื้นที่สีเขียวด้านทิศตะวันออก (GW3)
Date Analysis Commenced	Nov 21, 2024
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, 24th ed., 2023, part 9221 B, F	Bangkok
Standard Plate Count	CFU/mL	-	-	390	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 9215 B	Bangkok
Total Coliform	MPN/100mL	-	-	<1.8	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 9221 B	Bangkok
Water Testing							
Chloride as Cl *	mg/L	0.5	1	110	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-Cl (B)	Rayong
Color *	Color unit	-	5	<5	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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, 24th ed., 2023, part 4500-F (C)	Rayong
Nitrate as N *	mg/L	0.015	0.05	0.13	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-NO3 (E)	Rayong
Permanent Hardness as CaCO3 *	mg/L	-	1	116	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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, 24th ed., 2023, part 4500 - H (B)	Rayong

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

Lot ID: 24122882
Date Received : Nov 21, 2024
Date Reported : Dec 02, 2024
Report Number : 3181223-1

Sample Number	24122882-3
Sampled Date	Nov 21, 2024 2:37 PM
Sample Description	Undeground Water
Location	พื้นที่สีเขียวด้านทิศตะวันออก (GW3)
Date Analysis Commenced	Nov 21, 2024
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	10.8	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-SO4 (E)	Rayong
Total Alkalinity as CaCO3 *	mg/L	-	1	71	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2320 B	Bangkok
Total Dissolved Solids Dried at 180 degree C *	mg/L	-	5	342	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Total Hardness as CaCO3 *	mg/L	-	1	186	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2340 C	Bangkok
Turbidity *	NTU	-	0.1	1400	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2130 B	Rayong

Guideline : Notification of the National Environmental Board, No. 20, B.E.2543

Sampling By : Narunat thammasaro , 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.
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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)-018/66
Project Name : Pluak Daeng
Project Location:

Lot ID: 24122882
Date Received : Nov 21, 2024
Date Reported : Dec 02, 2024
Report Number : 3181224-1

Sample Number	24122882-4
Sampled Date	Nov 21, 2024 10:27 AM
Sample Description	Undeground Water
Location	พื้นที่สีเขียวดานทิศตะวันตก (GW4)
Date Analysis Commenced	Nov 21, 2024
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	0.68	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Arsenic	mg/L	0.0003	0.0005	0.03	≤0.01	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Barium	mg/L	0.0003	0.0005	0.13	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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, 24th ed., 2023, 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, 24th ed., 2023, 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, 24th ed., 2023, part 3500-Cr B	Bangkok
Iron	mg/L	0.003	0.005	57.1	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Lead	mg/L	0.0003	0.0005	0.008	≤0.01	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok

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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: 24122882
Date Received : Nov 21, 2024
Date Reported : Dec 02, 2024
Report Number : 3181224-1

Sample Number	24122882-4
Sampled Date	Nov 21, 2024 10:27 AM
Sample Description	Undeground Water
Location	พื้นที่สีเขียวดานทิศตะวันตก (GW4)
Date Analysis Commenced	Nov 21, 2024
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	3.38	≤0.5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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, 24th ed., 2023, 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, 24th ed., 2023, 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, 24th ed., 2023, 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, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Zinc	mg/L	0.003	0.005	0.008	≤5.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Microbiological Testing							

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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: 24122882
Date Received : Nov 21, 2024
Date Reported : Dec 02, 2024
Report Number : 3181224-1

Sample Number	24122882-4
Sampled Date	Nov 21, 2024 10:27 AM
Sample Description	Undeground Water
Location	พื้นที่สีเขียวดานทิศตะวันตก (GW4)
Date Analysis Commenced	Nov 21, 2024
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, 24th ed., 2023, 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, 24th ed., 2023, part 9215 B	Bangkok
Total Coliform	MPN/100mL	-	-	<1.8	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 9221 B	Bangkok
Water Testing							
Chloride as Cl *	mg/L	0.5	1	29	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-Cl (B)	Rayong
Color *	Color unit	-	5	40	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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, 24th ed., 2023, part 4500-F (C)	Rayong
Nitrate as N *	mg/L	0.015	0.05	0.16	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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, 24th ed., 2023, 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, 24th ed., 2023, part 4500 - H (B)	Rayong

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Approved by

Siriluk P.

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

Lot ID: 24122882
Date Received : Nov 21, 2024
Date Reported : Dec 02, 2024
Report Number : 3181224-1

Sample Number	24122882-4
Sampled Date	Nov 21, 2024 10:27 AM
Sample Description	Undeground Water
Location	พื้นที่สีเขียวดานทิศตะวันตก (GW4)
Date Analysis Commenced	Nov 21, 2024
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	76.3	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-SO4 (E)	Rayong
Total Alkalinity as CaCO3 *	mg/L	-	1	66	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2320 B	Bangkok
Total Dissolved Solids Dried at 180 degree C *	mg/L	-	5	222	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Total Hardness as CaCO3 *	mg/L	-	1	34	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2340 C	Bangkok
Turbidity *	NTU	-	0.1	270	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2130 B	Rayong

Guideline : Notification of the National Environmental Board, No. 20, B.E.2543

Sampling By : Narunat thammasaro , 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.
- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

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

Lot ID: 24122882
Date Received : Nov 21, 2024
Date Reported : Dec 02, 2024
Report Number : 3181225-1

Sample Number	24122882-5
Sampled Date	Nov 21, 2024 12:45 PM
Sample Description	Undeground Water
Location	ม.5 บ้านวังตาลหม่อน
Date Analysis Commenced	Nov 21, 2024
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 (1)	Guideline (2)	Method	Testing Location
Metals Testing								
Aluminium	mg/L	0.003	0.005	0.18	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Arsenic	mg/L	0.0003	0.0005	<0.0005	Not Detected	≤0.05	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Barium	mg/L	0.0003	0.0005	0.57	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Cadmium	mg/L	0.0003	0.0005	Not Detected	Not Detected	≤0.01	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Copper	mg/L	0.0003	0.0005	0.001	≤1.0	≤1.5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Hexavalent Chromium	mg/L	0.003	0.01	Not Detected	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3500-Cr B	Bangkok
Iron	mg/L	0.003	0.005	0.04	≤0.5	≤1.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Lead	mg/L	0.0003	0.0005	0.002	Not Detected	≤0.05	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok

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

Lot ID: 24122882
Date Received : Nov 21, 2024
Date Reported : Dec 02, 2024
Report Number : 3181225-1

Sample Number	24122882-5
Sampled Date	Nov 21, 2024 12:45 PM
Sample Description	Undeground Water
Location	ม.5 บ้านวังตาลหม่อน
Date Analysis Commenced	Nov 21, 2024
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 (1)	Guideline (2)	Method	Testing Location
Metals Testing								
Manganese	mg/L	0.0003	0.0005	0.37	≤0.3	≤0.5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Mercury	mg/L	0.0001	0.0005	Not Detected	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	0.005	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Selenium	mg/L	0.0003	0.0005	Not Detected	Not Detected	≤0.01	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
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, 24th ed., 2023, 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, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Zinc	mg/L	0.003	0.005	0.04	≤5	≤15	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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

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

Lot ID: 24122882
Date Received : Nov 21, 2024
Date Reported : Dec 02, 2024
Report Number : 3181225-1

Sample Number	24122882-5
Sampled Date	Nov 21, 2024 12:45 PM
Sample Description	Undeground Water
Location	ม.5 บ้านวังตาลหม่อน
Date Analysis Commenced	Nov 21, 2024
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 (1)	Guideline (2)	Method	Testing Location
Microbiological Testing								
Escherichia coli	MPN/100mL	-	-	13.0	Not Detected	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 9221 B, F	Bangkok
Standard Plate Count	CFU/mL	-	-	3300	≤500	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 9215 B	Bangkok
Total Coliform	MPN/100mL	-	-	330.0	<2.2	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 9221 B	Bangkok
Water Testing								
Chloride as Cl *	mg/L	0.5	1	22	≤250	≤600	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-Cl (B)	Rayong
Color *	Color unit	-	5	<5	≤5	≤15	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2120 B	Rayong
Fluoride *	mg/L	-	0.2	<0.2	≤0.7	≤1.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-F (C)	Rayong
Nitrate as N *	mg/L	0.015	0.05	17.7	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-NO3 (E)	Rayong
Permanent Hardness as CaCO3 *	mg/L	-	1	80	≤200	≤250	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2320 B	Bangkok
pH at 25 degree C *		-	-	6.2	7.0-8.5	6.5-9.2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	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

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

Lot ID: 24122882
Date Received : Nov 21, 2024
Date Reported : Dec 02, 2024
Report Number : 3181225-1

Sample Number	24122882-5
Sampled Date	Nov 21, 2024 12:45 PM
Sample Description	Undeground Water
Location	ม.5 บ้านวังตาลหม่อน
Date Analysis Commenced	Nov 21, 2024
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 (1)	Guideline (2)	Method	Testing Location
Water Testing								
Sulfate *	mg/L	0.6	2	13.4	≤200	≤250	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-SO4 (E)	Rayong
Total Alkalinity as CaCO3 *	mg/L	-	1	8	No Standard	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2320 B	Bangkok
Total Dissolved Solids Dried at 180 degree C *	mg/L	-	5	262	≤600	≤1200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Total Hardness as CaCO3 *	mg/L	-	1	88	≤300	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2340 C	Bangkok
Turbidity *	NTU	-	0.1	1.7	≤5	≤20	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2130 B	Rayong

Guideline : Notification of the Ministry of Natural Resource and Environment, dated March 24, B.E.2551 (2008), published in the Royal Government Gazette, Vol. 125, Part 85 D, dated May 21, B.E.2551 (2008).
(1) Suitable Allowance, (2) Maximum allowable.

Sampling By : Narunat thammasaro , 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.
- 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

Siriluk Bunnak
Section Head

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 10 ธันวาคม 2567)

ชนิดแพลงก์ตอนพืช	ปริมาณแพลงก์ตอนพืช (หน่วยต่อลูกบาศก์เมตร)			
	24136039-1	**24136039-2**	**24136039-3**	**24136039-4**
Division Cyanophyta				
Class Cyanophyceae				
Order Nostocales				
Family Oscillatoriaceae				
1. *Oscillatoria* sp.	18,000	-	30,000	40,000
2. *Oscillatoria tenuis*	18,000	34,000	8,000	-
Family Nostocaceae				
3. *Anabaena* sp.	18,000	17,000	-	-
Family Rivulariaceae				
4. *Calothrix* sp.	-	8,000	-	-
Division Chlorophyta				
Class Chlorophyceae				
Order Volvocales				
Family Volvocaceae				
6. *Eudorina elegans*	-	-	8,000	-

<u>ตาราง</u> ผลการวิเคราะห์แพลงก์ตอนพืช (เก็บตัวอย่างวันที่ 10 ธันวาคม 2567)

(ต่อ)

ชนิดแพลงก์ตอนพืช	ปริมาณแพลงก์ตอนพืช (หน่วยต่อลูกบาศก์เมตร)			
	24136039-1	**24136039-2**	**24136039-3**	**24136039-4**
7. *Pandorina morum*	534,000	193,000	378,000	-
Order Chlorococcales				
Family Coelastraceae				
8. *Coelastrum microporum*	9,000	8,000	-	-
Family Oocystaceae				
9. *Ankistrodesmus falcatus*	-	-	-	10,000
10. *Dictyosphaerium pulchellum*	-	-	8,000	-
Family Scenedesmaceae				
11. *Actinastrum hantzschii*	9,000	8,000	-	-
12. *Micractinium pusillum*	-	76,000	-	-
13. *Scenedesmus armatus*	-	-	8,000	-
14. *Scenedesmus dimorphus*	-	25,000	15,000	10,000
15. *Scenedesmus opoliensis*	9,000	-	-	10,000
16. *Scenedesmus* sp.	9,000	-	-	-
Order Zygematales				
Family Desmidiaceae				
17. *Closterium aerosum*	9,000	-	-	10,000
18. *Closterium ehrenbergii*	151,000	17,000	60,000	10,000
19. *Cosmarium* sp.	-	-	8,000	-
Class Euglenophyceae				
Order Euglenales				
Family Euglenaceae				
20. *Euglena acus*	249,000	302,000	242,000	30,000
21. *Euglena gracilis*	196,000	17,000	8,000	20,000
22. *Euglena oxyuris*	45,000	25,000	8,000	-
23. *Euglena* sp.	98,000	412,000	453,000	-
24. *Euglena viridis*	142,000	-	8,000	20,000

<u>ตาราง</u> ผลการวิเคราะห์แพลงก์ตอนพืช (เก็บตัวอย่างวันที่ 10 ธันวาคม 2567)

(ต่อ)

ชนิดแพลงก์ตอนพืช	ปริมาณแพลงก์ตอนพืช (หน่วยต่อลูกบาศก์เมตร)			
	24136039-1	**24136039-2**	**24136039-3**	**24136039-4**
25. *Lepocinclis ovum*	294,000	8,000	23,000	20,000
26. *Phacus angulatus*	9,000	-	-	-
27. *Phacus hamatus*	178,000	420,000	121,000	40,000
28. *Phacus longicauda*	36,000	8,000	-	-
29. *Phacus myersi*	-	17,000	-	20,000
30. *Phacus platalea*	9,000	8,000	8,000	-
31. *Phacus pleuronectes*	27,000	-	-	-
32. *Phacus ranula*	18,000	-	23,000	-
33. *Phacus* sp.	134,000	235,000	30,000	40,000
34. *Phacus stokesii*	-	-	8,000	-
35. *Phacus tortus*	9,000	25,000	30,000	-
36. *Strombomonas acuminata*	2,074,000	2,352,000	2,190,000	934,000
37. *Strombomonas australica*	45,000	176,000	23,000	10,000
38. *Strombomonas fluviatilis*	846,000	588,000	965,000	356,000
39. *Strombomonas gibberosa*	472,000	840,000	755,000	40,000
40. *Strombomonas girardiana*	205,000	420,000	53,000	10,000
41. *Strombomonas* sp.	828,000	924,000	15,000	10,000
42. *Strombomonas treubii*	534,000	756,000	604,000	129,000
43. *Trachelomonas conica*	356,000	1,344,000	468,000	20,000
44. *Trachelomonas crebea*	9,621,000	14,196,000	6,342,000	1,426,000
45. *Trachelomonas daugerdiana*	18,000	17,000	76,000	20,000
46. *Trachelomonas hispida*	3,266,000	4,452,000	2,869,000	1,861,000
47. *Trachelomonas lacustris*	543,000	17,000	159,000	248,000
48. *Trachelomonas mirabilis*	107,000	-	-	10,000
49. *Trachelomonas rugulosa*	-	-	15,000	40,000
50. *Trachelomonas scabra*	134,000	8,000	8,000	20,000
51. *Trachelomonas similis*	765,000	1,537,000	385,000	30,000
52. *Trachelomonas* sp.	178,000	101,000	-	257,000

<u>ตาราง</u> ผลการวิเคราะห์แพลงก์ตอนพืช (เก็บตัวอย่างวันที่ 10 ธันวาคม 2567)

(ต่อ)

ชนิดแพลงก์ตอนพืช	ปริมาณแพลงก์ตอนพืช (หน่วยต่อลูกบาศก์เมตร)			
	24136039-1	**24136039-2**	**24136039-3**	**24136039-4**
53. *Trachelomonas superba*	134,000	-	15,000	198,000
54. *Trachelomonas volzii*	116,000	143,000	8,000	238,000
Division Chromophyta				
Class Bacillariophyceae				
Order Biddulphiales				
Suborder Coscinodiscineae				
Family Thalassiosiraceae				
55. *Cyclotella meneghiniana*	-	-	-	20,000
56. *Cyclotella stelligera*	18,000	-	91,000	119,000
Family Aulacoseiraceae				
57. *Aulacoseira granulata*	-	42,000	91,000	20,000
Order Bacillariales				
Suborder Fragilariineae				
Family Fragilariaceae				
58. *Fragilaria capucina*	267,000	-	106,000	30,000
59. *Synedra acus*	-	-	8,000	-
60. *Synedra ulna*	107,000	84,000	-	-
Suborder Bacillariineae				
Family Eunotiaceae				
61. *Eunotia pectinalis*	-	8,000	8,000	-
Family Cymbellaceae				
62. *Gomphonema parvulum*	-	25,000	-	20,000
Family Naviculaceae				
63. *Gyrosigma attenuatum*	472,000	319,000	45,000	40,000
64. *Gyrosigma* sp.	-	8,000	8,000	-
65. *Navicula cuspidata*	9,000	50,000	-	-
66. *Navicula lanceolata*	107,000	-	-	-

<u>ตาราง</u> ผลการวิเคราะห์แพลงก์ตอนพืช (เก็บตัวอย่างวันที่ 10 ธันวาคม 2567)

(ต่อ)

ชนิดแพลงก์ตอนพืช	ปริมาณแพลงก์ตอนพืช (หน่วยต่อลูกบาศก์เมตร)			
	24136039-1	**24136039-2**	**24136039-3**	**24136039-4**
67. *Pinnularia gibba*	142,000	-	-	-
68. *Pinnularia microstauron*	-	17,000	8,000	10,000
69. *Stauroneis anceps*	9,000	-	-	-
Family Bacillariaceae				
70. *Nitzschia linearis*	-	8,000	-	-
71. *Nitzschia obtusa*	9,000	-	-	10,000
72. *Nitzschia sigmoidea*	-	17,000	-	-
73. *Nitzschia* sp.	-	8,000	-	-
74. *Tryblionella victoriae*	9,000	-	-	-
Family Surirellaceae				
75. *Sueirella tenera*	9,000	126,000	8,000	-
76. *Surirella elegans*	490,000	109,000	38,000	10,000
77. *Surirella gracilis*	18,000	-	-	-
78. *Surirella linearis*	570,000	101,000	30,000	-
79. *Surirella ovata*	107,000	8,000	23,000	-
80. *Surirella robusta*	828,000	92,000	15,000	30,000
81. *Surirella sp.*	89,000	-	-	-
Class Dinophyceae				
Order Gonyaulacales				
Family Ceratiaceae				
82. *Ceratium hirundinella*	-	8,000	-	-
Order Peridiniales				
Family Peridiniaceae				
83. *Peridinium* sp.	1,308,000	126,000	-	-

<u>ตาราง</u> ผลการวิเคราะห์แพลงก์ตอนพืช (เก็บตัวอย่างวันที่ 10 ธันวาคม 2567)

(ต่อ)

ชนิดแพลงก์ตอนพืช	ปริมาณแพลงก์ตอนพืช (หน่วยต่อลูกบาศก์เมตร)			
	24136039-1	24136039-2	24136039-3	24136039-4
ชนิดแพลงก์ตอนพืช	60	54	51	42
ปริมาณแพลงก์ตอนพืช	27,038,000	30,890,000	16,914,000	6,446,000
ดัชนีความหลากหลายแพลงก์ตอนพืช	2.6709	2.1387	2.2153	2.3556
ดัชนีความสม่ำเสมอแพลงก์ตอนพืช	0.6523	0.5362	0.5634	0.6302

Sample Location : 1. สถานี 24136039-1 : ห้วยภูไทรก่อนจุดระบายน้ำทิ้งที่ 1 ของโครงการประมาณ 500 เมตร (Bio1)
2. สถานี 24136039-2 : ห้วยภูไทรบริเวณจุดระบายน้ำทิ้งที่ 1 ของโครงการ (Bio2)
3. สถานี 24136039-3 : ห้วยภูไทรบริเวณจุดระบายน้ำทิ้งที่ 2 ของโครงการ (Bio3)
4. สถานี 24136039-4 : 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)
ผู้วิเคราะห์

.....

(นายอลงกต อินทรชาติ)
หัวหน้าสถานีวิจัยประมงศรีราชา

สถานีวิจัยประมงศรีราชา

101/12 หมู่ 9 ต. บางพระ

อ. ศรีราชา จ. ชลบุรี 20110

โทร./โทรสาร. (038) 311379

Client : Rojana Industrial Park Rayong 2 Co., Ltd.

Address : 54/5 Moo 1 Map Yang Phon, Pluak Daeng, Rayong, Thailand, 21140

Project Name : Pluak Daeng

รายงานผลการวิเคราะห์แพลงก์ตอนสัตว์

ตาราง ผลการวิเคราะห์แพลงก์ตอนสัตว์ (เก็บตัวอย่างวันที่ 10 ธันวาคม 2567)

ชนิดแพลงก์ตอนสัตว์	ปริมาณแพลงก์ตอนสัตว์ (หน่วยต่อลูกบาศก์เมตร)			
	24136039-1	**24136039-2**	**24136039-3**	**24136039-4**
Phylum Protozoa				
Subphylum Plasmodroma				
Class Sarcodina				
Subclass Rhizopoda				
Order Testacida				
Family Arcellidae				
1. *Arcella* sp.	-	-	8,000	20,000
2. *Arcella vulgaris*	9,000	8,000	15,000	-
Family Difflugiidae				
3. *Difflugia acuminata*	27,000	17,000	15,000	-
4. *Difflugia lobostoma*	-	8,000	-	-
5. *Difflugia* sp.	-	-	8,000	-
Family Euglyphidae				
6. *Euglypha acanthophora*	9,000	-	-	-
7. *Euglypha* sp.	27,000	25,000	-	10,000

<u>ตาราง</u> ผลการวิเคราะห์แพลงก์ตอนสัตว์ (เก็บตัวอย่างวันที่ 10 ธันวาคม 2567)

(ต่อ)

ชนิดแพลงก์ตอนสัตว์	ปริมาณแพลงก์ตอนสัตว์ (หน่วยต่อลูกบาศก์เมตร)			
	24136039-1	**24136039-2**	**24136039-3**	**24136039-4**
Subphylum Ciliophora				
Class Ciliata				
Subclass Holotricha				
Order Gymnostomatida				
8. *Coleps* sp.	-	8,000	-	-
Subclass Spirotricha				
Order Tintinnida				
Family Codonellidae				
9. *Tintinnopsis* sp.	71,000	76,000	-	30,000
Subclass Peritricha				
Order Peritrichida				
10. *Vorticella* sp.	-	-	-	10,000
Phylum Rotifera				
Class Monogononta				
Order Ploima				
Family Brachionidae				
11. *Dipleuchlanis propatula*	9,000	8,000	-	-
12. *Tripleuchlanis plicata*	-	8,000	-	-
Family Lecanidae				
13. *Lecane bulla*	18,000	-	-	-
Family Notommatidae				
14. *Cephalodella gibba*	9,000	8,000	-	-
Family Tricocercidae				
15. *Trichocerca weberi*	-	8,000	-	-
Family Asplanchnidae				
16. *Asplanchna priodonta*	9,000	-	8,000	-

<u>ตาราง</u> ผลการวิเคราะห์แพลงก์ตอนสัตว์ (เก็บตัวอย่างวันที่ 10 ธันวาคม 2567)

(ต่อ)

ชนิดแพลงก์ตอนสัตว์	ปริมาณแพลงก์ตอนสัตว์ (หน่วยต่อลูกบาศก์เมตร)			
	24136039-1	**24136039-2**	**24136039-3**	**24136039-4**
Family Synchaetidae				
17. *Polyarthra vulgaris*	9,000	50,000	-	10,000
Order Floscullariacea				
Family Testudinellidae				
18. *Filinia brachiata*	-	-	8,000	-
Phylum Arthropoda				
Class Crustacea				
Subclass Copepoda				
19. Copepod nauplii	-	8,000	8,000	10,000
ชนิดแพลงก์ตอนสัตว์	**10**	**12**	**7**	**6**
ปริมาณแพลงก์ตอนสัตว์	**197,000**	**232,000**	**70,000**	**90,000**
ดัชนีความหลากหลายแพลงก์ตอนสัตว์	**1.9771**	**2.0568**	**1.8996**	**1.6770**
ดัชนีความสม่ำเสมอแพลงก์ตอนสัตว์	**0.8586**	**0.8277**	**0.9762**	**0.9360**

Sample Location :
1. สถานี 24136039-1 : ห้วยภูไทรก่อนจุดระบายน้ำทิ้งที่ 1 ของโครงการประมาณ 500 เมตร (Bio1)
2. สถานี 24136039-2 : ห้วยภูไทรบริเวณจุดระบายน้ำทิ้งที่ 1 ของโครงการ (Bio2)
3. สถานี 24136039-3 : ห้วยภูไทรบริเวณจุดระบายน้ำทิ้งที่ 2 ของโครงการ (Bio3)
4. สถานี 24136039-4 : 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)
ผู้วิเคราะห์

.....

(นายอลงกต อินทรชาติ)
หัวหน้าสถานีวิจัยประมงศรีราชา

สถานีวิจัยประมงศรีราชา

101/12 หมู่ 9 ต. บางพระ อ. ศรีราชา จ. ชลบุรี 20110

โทร./โทรสาร. (038) 311379

Client : Rojana Industrial Park Rayong 2 Co., Ltd.

Address : 54/5 Moo 1 Map Yang Phon, Pluak Daeng, Rayong, Thailand, 21140

Project Name : Pluak Daeng

รายงานผลการวิเคราะห์สัตว์น้ำ

ตาราง ผลการวิเคราะห์สัตว์น้ำ (Aquatic animal) (เก็บตัวอย่างเมื่อวันที่ 10 ธันวาคม 2567)

ชนิดสัตว์น้ำ	ปริมาณสัตว์น้ำ (ตัว)				ช่วงขนาด (ซม.)	น้ำหนักรวม (กรัม)
	24136039-1	24136039-2	24136039-3	24136039-4		
Phylum Chordata						
Class Actinopterygii						
Order Cichliformes						
Family Cichlidae						
Oreochromis niloticus (ปลานิล)	-	2	-	1	9.00-14.00	114.00

ตาราง ผลการวิเคราะห์สัตว์น้ำ (Aquatic animal) (เก็บตัวอย่างเมื่อวันที่ 10 ธันวาคม 2567) (ต่อ)

ชนิดสัตว์น้ำ	ปริมาณสัตว์น้ำ (ตัว)				ช่วงขนาด	น้ำหนักรวม
	24136039-1	24136039-2	24136039-3	24136039-4	(ซม.)	(กรัม)
Order Cypriniformes						
Family Cyprinidae						
Barbonymus gonionotus (ปลาตะเพียนขาว)	5	7	-	2	5.90-13.40	195.40
Cyclocheilichthys apogon (ปลาไส้ตันตาแดง)	2	1	-	-	7.00-9.50	20.30
Labiobarbus leptocheilus (ปลาซ่า)	-	-	-	1	10.80	11.60
Osteochilus vittatus (ปลาสร้อยนกเขา)	1	-	-	-	8.50	7.00
Order Osteoglossiformes						
Family Notopteridae						
Notopterus notopterus (ปลาสลาด)	-	-	1	-	15.90	24.40
Order Perciformes						
Family Ambassidae						
Parambassis siamensis (ปลาแป้นแก้ว)	4	6	5	8	4.70-6.50	51.00
ชนิดสัตว์น้ำ	**4**	**4**	**2**	**4**	**4.70-15.90**	**423.70**
ปริมาณสัตว์น้ำ	**12**	**16**	**6**	**12**		
ดัชนีความหลากหลายสัตว์น้ำ	**1.2367**	**1.1627**	**0.4506**	**0.9831**		

Sample Location : 1. สถานี 24136039-1 : ห้วยภูไทรก่อนจุดระบายน้ำทิ้งที่ 1 ของโครงการประมาณ 500 เมตร (Bio1)

2. สถานี 24136039-2 : ห้วยภูไทรบริเวณจุดระบายน้ำทิ้งที่ 1 ของโครงการ (Bio2)

3. สถานี 24136039-3 : ห้วยภูไทรบริเวณจุดระบายน้ำทิ้งที่ 2 ของโครงการ (Bio3)

4. สถานี 24136039-4 : ห้วยภูไทรบริเวณจุดระบายน้ำทิ้งที่ 2 ของโครงการระยะห่างประมาณ 500 เมตร (Bio4)

Condition of Sample : fishing gear

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(นายอรรถวุฒิ กันทะวงศ์)

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 10 ธันวาคม 2567)

สกุลสัตว์หน้าดิน	ปริมาณสัตว์หน้าดิน (ตัวต่อตารางเมตร)			
	24136041-1	**24136041-2**	**24136041-3**	**24136041-4**
Phylum Annelida				
Class Clitellata				
Order Lumbriculida				
Family Lumbriculidae				
Lumbriculus sp. (ไส้เดือนน้ำ)	-	30	-	45
Order Tubificida				
Family Naididae				
Branchiura sp. (ไส้เดือนน้ำ)	-	-	30	-
Phylum Arthropoda				
Class Insecta				
Order Coleoptera				
Family Dytiscidae				
Lancetes sp. (ด้วงดิ่ง)	-	-	15	15
Order Diptera				
Family Chironomidae				
Chironomus sp. (หนอนแดง)	682	104	-	578

<u>ตาราง</u> ผลการวิเคราะห์สัตว์หน้าดิน (เก็บตัวอย่างวันที่ 10 ธันวาคม 2567) (ต่อ)

สกุลสัตว์หน้าดิน	ปริมาณสัตว์หน้าดิน (ตัวต่อตารางเมตร)			
	24136041-1	**24136041-2**	**24136041-3**	**24136041-4**
Order Ephemeroptera				
Family Ephemeridae				
Ephemera sp. (ตัวอ่อนแมลงชีปะขาว)	-	-	-	15
Class Malacostraca				
Order Decapoda				
Family Gecarcinucidae				
Sayamia sp. (ปูนา)	15	-	15	-
Phylum Mollusca				
Class Gastropoda				
Order Architaenioglossa				
Family Thiaridae				
Melanoides sp. (หอยเจดีย์)	-	15	-	-
Tarebia sp. (หอยเจดีย์)	-	15	-	-
สกุลสัตว์หน้าดิน	**2**	**4**	**3**	**4**
ปริมาณสัตว์หน้าดิน	**697**	**164**	**60**	**653**
ค่าดัชนีความหลากหลายสัตว์หน้าดิน	**0.1039**	**1.0371**	**1.0397**	**0.4657**

Sample Location : 1. สถานี 24136041-1 : ห้วยภูไทรก่อนจุดระบายน้ำทิ้งที่ 1 ของโครงการประมาณ 500 เมตร (Bio1)

2. สถานี 24136041-2 : ห้วยภูไทรบริเวณจุดระบายน้ำทิ้งที่ 1 ของโครงการ (Bio2)

3. สถานี 24136041-3 : ห้วยภูไทรบริเวณจุดระบายน้ำทิ้งที่ 2 ของโครงการ (Bio3)

4. สถานี 24136041-4 : ห้วยภูไทรบริเวณจุดระบายน้ำทิ้งที่ 2 ของโครงการระยะห่างประมาณ 500 เมตร (Bio4)

Condition of Sample : contained in one plastic zip bag

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(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)

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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

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

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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 :
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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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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)

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	2448824-4
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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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 :
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- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)

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ภาคผนวก ค-08

คุณภาพดิน

Analysis / Test Report

Client : Rojana Industrial Park Rayong 2 Co., Ltd.
54/5 Moo 1, Map Yang Phon, Pluak Daeng, Rayong Thailand 21140
P/O : RJN(2)-018/66
Project Name : Pluak Daeng
Project Location:

Lot ID: 24124994
Date Received : Nov 21, 2024
Date Reported : Nov 29, 2024
Report Number : 3151862-1

Sample Number	24124994-1
Sampled Date	Nov 21, 2024 10:45 AM
Sample Description	Soil ที่ระดับความลึก 5 ซม.
Location	พื้นที่สีเขียดด้านทิศเหนือ (S1)
Date Analysis Commenced	Nov 22, 2024
Condition of Sample	Packed in one plastic bag and one amber glass bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Aluminium	mg/kg	-	1.00	2083	No Standard	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Arsenic	mg/kg	-	0.50	2.53	≤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	2.65	≤35040	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Hexavalent Chromium	mg/kg	-	0.25	<0.25	≤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	2.66	≤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	4.69	No Standard	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Physical Parameters							
Moisture	%	-	0.1	5.0	No Standard	In-house method based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 G	Bangkok

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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: 24124994
Date Received : Nov 21, 2024
Date Reported : Nov 29, 2024
Report Number : 3151862-1

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

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

Lot ID: 24124994
Date Received : Nov 21, 2024
Date Reported : Nov 29, 2024
Report Number : 3151862-1

Sample Number	24124994-2
Sampled Date	Nov 21, 2024 11:40 AM
Sample Description	Soil ที่ระดับความลึก 5 ซม.
Location	พื้นที่สีเขียนด้านทิศใต้ (S2)
Date Analysis Commenced	Nov 22, 2024
Condition of Sample	Packed in one plastic bag and one amber glass bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Aluminium	mg/kg	-	1.00	3549	No Standard	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Arsenic	mg/kg	-	0.50	2.96	≤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	2.67	≤35040	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Hexavalent Chromium	mg/kg	-	0.25	<0.25	≤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	1.36	≤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	7.34	No Standard	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Physical Parameters							
Moisture	%	-	0.1	7.8	No Standard	In-house method based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 G	Bangkok

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

Lot ID: 24124994
Date Received : Nov 21, 2024
Date Reported : Nov 29, 2024
Report Number : 3151862-1

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

Lot ID: 24124994
Date Received : Nov 21, 2024
Date Reported : Nov 29, 2024
Report Number : 3151862-1

Sample Number	24124994-3
Sampled Date	Nov 21, 2024 1:40 PM
Sample Description	Soil ที่ระดับความลึก 5 ซม.
Location	พื้นที่สีเขียวด้านทิศตะวันออก (S3)
Date Analysis Commenced	Nov 22, 2024
Condition of Sample	Packed in one plastic bag and one amber glass bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Aluminium	mg/kg	-	1.00	1709	No Standard	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Arsenic	mg/kg	-	0.50	4.23	≤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	1.22	≤35040	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Hexavalent Chromium	mg/kg	-	0.25	<0.25	≤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	1.02	≤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	2.67	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, 24th ed., 2023, part 2540 G	Bangkok

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

Lot ID: 24124994
Date Received : Nov 21, 2024
Date Reported : Nov 29, 2024
Report Number : 3151862-1

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

Lot ID: 24124994
Date Received : Nov 21, 2024
Date Reported : Nov 29, 2024
Report Number : 3151862-1

Sample Number	24124994-4
Sampled Date	Nov 21, 2024 9:45 AM
Sample Description	Soil ที่ระดับความลึก 5 ซม.
Location	พื้นที่สีเขียวด้านทิศตะวันตก (S4)
Date Analysis Commenced	Nov 22, 2024
Condition of Sample	Packed in one plastic bag and one amber glass bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Aluminium	mg/kg	-	1.00	4802	No Standard	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Arsenic	mg/kg	-	0.50	7.93	≤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	2.47	≤35040	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Hexavalent Chromium	mg/kg	-	0.25	<0.25	≤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	2.96	≤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	10.5	No Standard	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Physical Parameters							
Moisture	%	-	0.1	8.3	No Standard	In-house method based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 G	Bangkok

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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: 24124994
Date Received : Nov 21, 2024
Date Reported : Nov 29, 2024
Report Number : 3151862-1

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: 24124994
Date Received : Nov 21, 2024
Date Reported : Nov 29, 2024
Report Number : 3151862-1

Sample Number	24124994-5
Sampled Date	Nov 21, 2024 10:50 AM
Sample Description	Soil ที่ระดับความลึก 30 ซม.
Location	พื้นที่สีเขียวด้านทิศเหนือ (S1)
Date Analysis Commenced	Nov 22, 2024
Condition of Sample	Packed in one plastic bag and one amber glass bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Aluminium	mg/kg	-	1.00	2100	No Standard	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Arsenic	mg/kg	-	0.50	2.35	≤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	1.97	≤35040	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Hexavalent Chromium	mg/kg	-	0.25	<0.25	≤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	6.43	≤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	3.85	No Standard	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Physical Parameters							
Moisture	%	-	0.1	4.6	No Standard	In-house method based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 G	Bangkok

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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: 24124994
Date Received : Nov 21, 2024
Date Reported : Nov 29, 2024
Report Number : 3151862-1

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: 24124994
Date Received : Nov 21, 2024
Date Reported : Nov 29, 2024
Report Number : 3151862-1

Sample Number	24124994-6
Sampled Date	Nov 21, 2024 11:45 AM
Sample Description	Soil ที่ระดับความลึก 30 ซม.
Location	พื้นที่สีเขียนด้านทิศใต้ (S2)
Date Analysis Commenced	Nov 22, 2024
Condition of Sample	Packed in one plastic bag and one amber glass bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Aluminium	mg/kg	-	1.00	3746	No Standard	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Arsenic	mg/kg	-	0.50	2.47	≤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	1.70	≤35040	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Hexavalent Chromium	mg/kg	-	0.25	<0.25	≤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	2.06	≤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	2.75	No Standard	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Physical Parameters							
Moisture	%	-	0.1	8.1	No Standard	In-house method based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 G	Bangkok

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

Lot ID: 24124994
Date Received : Nov 21, 2024
Date Reported : Nov 29, 2024
Report Number : 3151862-1

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 :
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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: 24124994
Date Received : Nov 21, 2024
Date Reported : Nov 29, 2024
Report Number : 3151862-1

Sample Number	24124994-7
Sampled Date	Nov 21, 2024 1:45 PM
Sample Description	Soil ที่ระดับความลึก 30 ซม.
Location	พื้นที่สีเขียวด้านทิศตะวันออก (S3)
Date Analysis Commenced	Nov 22, 2024
Condition of Sample	Packed in one plastic bag and one amber glass bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Aluminium	mg/kg	-	1.00	2412	No Standard	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Arsenic	mg/kg	-	0.50	5.11	≤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	2.09	≤35040	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Hexavalent Chromium	mg/kg	-	0.25	<0.25	≤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	4.80	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, 24th ed., 2023, 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: 24124994
Date Received : Nov 21, 2024
Date Reported : Nov 29, 2024
Report Number : 3151862-1

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

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: 24124994
Date Received : Nov 21, 2024
Date Reported : Nov 29, 2024
Report Number : 3151862-1

Sample Number	24124994-8
Sampled Date	Nov 21, 2024 9:50 AM
Sample Description	Soil ที่ระดับความลึก 30 ซม.
Location	พื้นที่สีเขียวด้านทิศตะวันตก (S4)
Date Analysis Commenced	Nov 22, 2024
Condition of Sample	Packed in one plastic bag and one amber glass bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Aluminium	mg/kg	-	1.00	4276	No Standard	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Arsenic	mg/kg	-	0.50	4.71	≤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	1.63	≤35040	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Hexavalent Chromium	mg/kg	-	0.25	<0.25	≤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	8.98	≤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	7.04	No Standard	United States Environmental Protection Agency, EPA Method 3050 B and 6010 D	Bangkok
Physical Parameters							
Moisture	%	-	0.1	6.9	No Standard	In-house method based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 G	Bangkok

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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: 24124994
Date Received : Nov 21, 2024
Date Reported : Nov 29, 2024
Report Number : 3151862-1

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

Sawitree Noisangiam
Manager

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: 24124989
Date Received : Dec 23, 2024
Date Reported : Dec 24, 2024
Report Number: 3201546-1

Sample Number	24124989-1
Parameter	Noise (Leq 24 hrs.)
Location	บ้านวังตาลหม่อน (N1) (GPS 47P 0734083, 1432148)
Measurement Date	Dec 15 - Dec 16, 2024
Measurement by	Panuwat Wangbong
Sound Level meter	Serial No. 623393

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:00 PM - 01:00 PM	51.6	75.9	45.4
01:00 PM - 02:00 PM	51.4	68.2	44.9
02:00 PM - 03:00 PM	52.6	75.4	45.6
03:00 PM - 04:00 PM	52.2	78.0	44.9
04:00 PM - 05:00 PM	53.7	80.6	46.5
05:00 PM - 06:00 PM	54.9	80.5	47.2
06:00 PM - 07:00 PM	54.5	85.8	45.1
07:00 PM - 08:00 PM	52.9	70.9	43.8
08:00 PM - 09:00 PM	51.1	72.4	45.0
09:00 PM - 10:00 PM	50.2	72.8	43.3
10:00 PM - 11:00 PM	49.3	80.5	41.1
11:00 PM - 12:00 AM	45.3	61.8	39.6
12:00 AM - 01:00 AM	44.6	65.5	37.2
01:00 AM - 02:00 AM	47.6	71.4	36.2
02:00 AM - 03:00 AM	45.3	71.6	35.8
03:00 AM - 04:00 AM	46.7	70.9	36.1
04:00 AM - 05:00 AM	44.5	73.6	36.2
05:00 AM - 06:00 AM	51.7	83.7	41.2
06:00 AM - 07:00 AM	55.8	93.1	46.0
07:00 AM - 08:00 AM	58.9	89.6	50.3
08:00 AM - 09:00 AM	54.2	80.2	49.2
09:00 AM - 10:00 AM	53.5	73.7	48.4
10:00 AM - 11:00 AM	53.5	78.1	48.3
11:00 AM - 12:00 PM	53.5	79.7	46.5
Leq Average 24 hrs. (dB(A))	52.7		
Lmax (dB(A))		93.1	
L90 (dB(A))			44.9
Ldn (dB(A))	57.0		
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
Chonticha Subongkoch
Scientist (3)

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: 24124989
Date Received : Dec 23, 2024
Date Reported : Dec 24, 2024
Report Number: 3201547-1

Sample Number	24124989-2
Parameter	Noise (Leq 24 hrs.)
Location	บ้านวังตาลหม่อน (N1) (GPS 47P 0734083, 1432148)
Measurement Date	Dec 16 - Dec 17, 2024
Measurement by	Panuwat Wangbong
Sound Level meter	Serial No. 623393

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:00 PM - 01:00 PM	52.0	70.1	44.9
01:00 PM - 02:00 PM	53.1	71.3	46.5
02:00 PM - 03:00 PM	51.0	70.7	44.6
03:00 PM - 04:00 PM	51.7	71.2	44.3
04:00 PM - 05:00 PM	54.3	78.6	45.8
05:00 PM - 06:00 PM	54.4	79.3	46.4
06:00 PM - 07:00 PM	51.5	68.8	45.1
07:00 PM - 08:00 PM	50.7	65.2	46.4
08:00 PM - 09:00 PM	51.5	72.8	45.6
09:00 PM - 10:00 PM	50.4	75.0	43.9
10:00 PM - 11:00 PM	54.2	81.4	40.6
11:00 PM - 12:00 AM	52.6	86.4	37.0
12:00 AM - 01:00 AM	45.2	70.7	36.0
01:00 AM - 02:00 AM	43.8	64.6	35.1
02:00 AM - 03:00 AM	52.0	80.8	35.1
03:00 AM - 04:00 AM	43.0	69.9	35.4
04:00 AM - 05:00 AM	44.1	61.0	37.2
05:00 AM - 06:00 AM	49.5	68.4	40.4
06:00 AM - 07:00 AM	52.8	72.4	45.6
07:00 AM - 08:00 AM	58.0	90.9	50.4
08:00 AM - 09:00 AM	55.2	78.1	48.3
09:00 AM - 10:00 AM	53.3	69.6	46.8
10:00 AM - 11:00 AM	54.7	72.7	46.1
11:00 AM - 12:00 PM	52.5	69.6	46.4
Leq Average 24 hrs. (dB(A))	52.6		
Lmax (dB(A))		90.9	
L90 (dB(A))			44.9
Ldn (dB(A))	57.4		
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
Chonticha Subongkoch
Scientist (3)

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: 24124989
Date Received : Dec 23, 2024
Date Reported : Dec 24, 2024
Report Number: 3201548-1

Sample Number	24124989-3
Parameter	Noise (Leq 24 hrs.)
Location	บ้านวังตาลหม่อน (N1) (GPS 47P 0734083, 1432148)
Measurement Date	Dec 17 - Dec 18, 2024
Measurement by	Panuwat Wangbong
Sound Level meter	Serial No. 623393

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:00 PM - 01:00 PM	51.9	73.2	43.8
01:00 PM - 02:00 PM	54.4	76.0	48.2
02:00 PM - 03:00 PM	55.0	75.9	44.1
03:00 PM - 04:00 PM	54.7	83.8	45.3
04:00 PM - 05:00 PM	56.4	74.9	46.2
05:00 PM - 06:00 PM	53.7	75.3	46.3
06:00 PM - 07:00 PM	55.5	82.6	46.3
07:00 PM - 08:00 PM	51.7	65.7	47.6
08:00 PM - 09:00 PM	52.3	75.1	47.2
09:00 PM - 10:00 PM	52.5	81.6	43.9
10:00 PM - 11:00 PM	48.6	76.4	41.9
11:00 PM - 12:00 AM	53.3	80.4	37.2
12:00 AM - 01:00 AM	53.9	82.6	36.6
01:00 AM - 02:00 AM	54.7	90.3	36.6
02:00 AM - 03:00 AM	53.8	79.9	36.7
03:00 AM - 04:00 AM	45.1	67.5	36.0
04:00 AM - 05:00 AM	44.8	65.2	37.0
05:00 AM - 06:00 AM	52.7	72.3	41.5
06:00 AM - 07:00 AM	54.6	72.7	46.7
07:00 AM - 08:00 AM	63.6	95.0	50.9
08:00 AM - 09:00 AM	57.6	82.8	48.5
09:00 AM - 10:00 AM	55.1	70.7	47.3
10:00 AM - 11:00 AM	54.6	72.4	46.8
11:00 AM - 12:00 PM	53.5	70.3	46.3
Leq Average 24 hrs. (dB(A))	55.2		
Lmax (dB(A))		95.0	
L90 (dB(A))			45.3
Ldn (dB(A))	59.7		
Standard (dB(A))	70	115	

Reference Method : ISO1996-1 and 1996-2
Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548
Remark : The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management
Chonticha Subongkoch
Scientist (3)

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: 24124989
Date Received : Dec 23, 2024
Date Reported : Dec 24, 2024
Report Number: 3201549-1

Sample Number	24124989-4
Parameter	Noise (Leq 24 hrs.)
Location	บ้านวังตาลหม่อน (N1) (GPS 47P 0734083, 1432148)
Measurement Date	Dec 18 - Dec 19, 2024
Measurement by	Panuwat Wangbong
Sound Level meter	Serial No. 623393

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:00 PM - 01:00 PM	51.1	73.7	45.1
01:00 PM - 02:00 PM	53.9	78.7	46.1
02:00 PM - 03:00 PM	53.8	80.6	46.3
03:00 PM - 04:00 PM	54.4	79.4	47.1
04:00 PM - 05:00 PM	54.6	72.2	46.9
05:00 PM - 06:00 PM	53.6	77.3	46.3
06:00 PM - 07:00 PM	52.6	75.2	44.6
07:00 PM - 08:00 PM	51.2	73.0	44.0
08:00 PM - 09:00 PM	53.3	79.3	44.8
09:00 PM - 10:00 PM	48.7	62.9	41.6
10:00 PM - 11:00 PM	47.6	69.9	39.2
11:00 PM - 12:00 AM	48.4	75.5	39.5
12:00 AM - 01:00 AM	45.2	70.1	38.7
01:00 AM - 02:00 AM	48.5	82.4	37.4
02:00 AM - 03:00 AM	42.5	76.4	35.9
03:00 AM - 04:00 AM	44.6	73.3	36.2
04:00 AM - 05:00 AM	44.8	71.5	37.3
05:00 AM - 06:00 AM	49.8	71.1	41.0
06:00 AM - 07:00 AM	53.8	81.7	45.6
07:00 AM - 08:00 AM	56.8	82.2	50.2
08:00 AM - 09:00 AM	63.3	98.0	49.6
09:00 AM - 10:00 AM	55.9	67.5	51.2
10:00 AM - 11:00 AM	55.7	75.4	51.4
11:00 AM - 12:00 PM	55.7	78.4	50.7
Leq Average 24 hrs. (dB(A))	54.3		
Lmax (dB(A))		98.0	
L90 (dB(A))			44.8
Ldn (dB(A))	57.0		
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
Chonticha Subongkoch
Scientist (3)

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: 24124989
Date Received : Dec 23, 2024
Date Reported : Dec 24, 2024
Report Number: 3201550-1

Sample Number	24124989-5
Parameter	Noise (Leq 24 hrs.)
Location	บ้านวังตาลหม่อน (N1) (GPS 47P 0734083, 1432148)
Measurement Date	Dec 19 - Dec 20, 2024
Measurement by	Panuwat Wangbong
Sound Level meter	Serial No. 623393

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:00 PM - 01:00 PM	54.1	73.7	48.4
01:00 PM - 02:00 PM	53.6	78.2	47.7
02:00 PM - 03:00 PM	58.7	86.6	46.5
03:00 PM - 04:00 PM	53.1	71.3	46.6
04:00 PM - 05:00 PM	53.1	75.6	46.3
05:00 PM - 06:00 PM	55.2	79.9	47.6
06:00 PM - 07:00 PM	54.3	83.7	45.2
07:00 PM - 08:00 PM	50.5	73.0	44.6
08:00 PM - 09:00 PM	52.9	79.3	44.7
09:00 PM - 10:00 PM	50.7	73.4	40.6
10:00 PM - 11:00 PM	45.8	63.1	38.4
11:00 PM - 12:00 AM	47.1	79.1	37.6
12:00 AM - 01:00 AM	52.7	84.1	36.9
01:00 AM - 02:00 AM	52.3	82.1	36.3
02:00 AM - 03:00 AM	43.4	66.4	36.9
03:00 AM - 04:00 AM	44.7	75.4	35.7
04:00 AM - 05:00 AM	42.7	61.6	36.3
05:00 AM - 06:00 AM	49.9	70.1	39.7
06:00 AM - 07:00 AM	55.7	90.2	46.0
07:00 AM - 08:00 AM	57.0	87.6	51.2
08:00 AM - 09:00 AM	58.6	88.5	50.1
09:00 AM - 10:00 AM	70.2	105.8	49.4
10:00 AM - 11:00 AM	53.1	69.3	48.0
11:00 AM - 12:00 PM	54.8	75.0	47.9
Leq Average 24 hrs. (dB(A))	58.2		
Lmax (dB(A))		105.8	
L90 (dB(A))			45.2
Ldn (dB(A))	60.1		
Standard (dB(A))	70	115	

Reference Method : ISO1996-1 and 1996-2
Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548
Remark : The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management
Chonticha Subongkoch
Scientist (3)

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: 24124989
Date Received : Dec 23, 2024
Date Reported : Dec 24, 2024
Report Number: 3201551-1

Sample Number	24124989-6
Parameter	Noise (Leq 24 hrs.)
Location	บ้านวังตาลหม่อน (N1) (GPS 47P 0734083, 1432148)
Measurement Date	Dec 20 - Dec 21, 2024
Measurement by	Panuwat Wangbong
Sound Level meter	Serial No. 623393

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:00 PM - 01:00 PM	52.6	71.1	46.5
01:00 PM - 02:00 PM	52.3	70.3	44.6
02:00 PM - 03:00 PM	52.7	71.8	45.9
03:00 PM - 04:00 PM	52.1	70.5	45.7
04:00 PM - 05:00 PM	53.7	79.2	45.7
05:00 PM - 06:00 PM	55.1	80.4	46.7
06:00 PM - 07:00 PM	54.6	82.5	45.5
07:00 PM - 08:00 PM	53.0	90.9	44.9
08:00 PM - 09:00 PM	51.5	74.5	45.3
09:00 PM - 10:00 PM	50.4	71.8	42.8
10:00 PM - 11:00 PM	53.6	79.0	40.6
11:00 PM - 12:00 AM	47.3	67.0	38.1
12:00 AM - 01:00 AM	47.8	75.8	37.7
01:00 AM - 02:00 AM	44.9	65.7	36.4
02:00 AM - 03:00 AM	46.1	71.1	37.1
03:00 AM - 04:00 AM	44.5	63.3	37.8
04:00 AM - 05:00 AM	43.6	61.8	37.6
05:00 AM - 06:00 AM	50.3	85.1	39.8
06:00 AM - 07:00 AM	55.5	84.1	44.7
07:00 AM - 08:00 AM	56.0	82.6	49.7
08:00 AM - 09:00 AM	57.2	81.4	47.1
09:00 AM - 10:00 AM	54.8	77.2	45.9
10:00 AM - 11:00 AM	53.1	75.3	45.9
11:00 AM - 12:00 PM	52.8	71.4	46.5
Leq Average 24 hrs. (dB(A))	52.8		
Lmax (dB(A))		90.9	
L90 (dB(A))			44.9
Ldn (dB(A))	57.3		
Standard (dB(A))	70	115	

Reference Method : ISO1996-1 and 1996-2
Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548
Remark : The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management
Chonticha Subongkoch
Scientist (3)

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: 24124989
Date Received : Dec 23, 2024
Date Reported : Dec 24, 2024
Report Number: 3201552-1

Sample Number	24124989-7
Parameter	Noise (Leq 24 hrs.)
Location	บ้านวังตาลหม่อน (N1) (GPS 47P 0734083, 1432148)
Measurement Date	Dec 21 - Dec 22, 2024
Measurement by	Panuwat Wangbong
Sound Level meter	Serial No. 623393

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:00 PM - 01:00 PM	52.3	68.7	44.4
01:00 PM - 02:00 PM	54.3	84.6	44.5
02:00 PM - 03:00 PM	53.7	82.9	44.7
03:00 PM - 04:00 PM	53.8	81.0	45.0
04:00 PM - 05:00 PM	54.2	85.7	44.0
05:00 PM - 06:00 PM	54.6	77.0	46.7
06:00 PM - 07:00 PM	53.4	83.6	44.1
07:00 PM - 08:00 PM	50.5	65.3	44.1
08:00 PM - 09:00 PM	52.0	78.4	43.9
09:00 PM - 10:00 PM	49.2	69.3	42.5
10:00 PM - 11:00 PM	49.1	66.4	41.8
11:00 PM - 12:00 AM	49.3	75.8	40.4
12:00 AM - 01:00 AM	54.8	81.0	40.3
01:00 AM - 02:00 AM	46.3	66.2	38.1
02:00 AM - 03:00 AM	44.5	78.5	36.7
03:00 AM - 04:00 AM	42.6	69.3	36.7
04:00 AM - 05:00 AM	44.9	69.0	36.2
05:00 AM - 06:00 AM	48.7	75.2	40.0
06:00 AM - 07:00 AM	58.7	82.9	45.2
07:00 AM - 08:00 AM	59.2	88.4	47.2
08:00 AM - 09:00 AM	56.8	91.3	47.7
09:00 AM - 10:00 AM	54.5	79.5	48.0
10:00 AM - 11:00 AM	54.7	80.3	48.6
11:00 AM - 12:00 PM	53.2	70.3	47.1
Leq Average 24 hrs. (dB(A))	53.6		
Lmax (dB(A))		91.3	
L90 (dB(A))			44.1
Ldn (dB(A))	58.8		
Standard (dB(A))	70	115	

Reference Method : ISO1996-1 and 1996-2
Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548
Remark : The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management
Chonticha Subongkoch
Scientist (3)

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: 24124989
Date Received : Dec 23, 2024
Date Reported : Dec 24, 2024
Report Number: 3201553-1

Sample Number	24124989-8
Parameter	Noise (Leq 24 hrs.)
Location	บ้านพักอาศัย หมู่ 2 ซ.มาบยางพร 15 (N2) (GPS 47P 0733648, 1434012)
Measurement Date	Dec 15 - Dec 16, 2024
Measurement by	Panuwat Wangbong
Sound Level meter	Serial No. 623392

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	60.4	86.9	51.8
12:00 PM - 01:00 PM	55.1	82.4	47.5
01:00 PM - 02:00 PM	57.5	88.7	53.0
02:00 PM - 03:00 PM	59.6	75.6	54.4
03:00 PM - 04:00 PM	57.8	85.3	52.8
04:00 PM - 05:00 PM	59.8	83.1	51.7
05:00 PM - 06:00 PM	54.3	77.2	47.6
06:00 PM - 07:00 PM	55.4	82.0	47.2
07:00 PM - 08:00 PM	54.9	78.4	47.6
08:00 PM - 09:00 PM	55.3	84.1	46.6
09:00 PM - 10:00 PM	49.6	73.0	43.5
10:00 PM - 11:00 PM	50.8	77.6	42.9
11:00 PM - 12:00 AM	48.7	73.4	40.7
12:00 AM - 01:00 AM	43.7	59.7	39.2
01:00 AM - 02:00 AM	49.7	77.9	38.8
02:00 AM - 03:00 AM	44.0	65.9	35.9
03:00 AM - 04:00 AM	44.7	67.1	37.4
04:00 AM - 05:00 AM	45.1	64.7	37.9
05:00 AM - 06:00 AM	55.5	82.5	43.1
06:00 AM - 07:00 AM	56.1	74.9	47.2
07:00 AM - 08:00 AM	61.0	87.6	51.7
08:00 AM - 09:00 AM	62.6	76.0	53.1
09:00 AM - 10:00 AM	58.1	74.0	50.9
10:00 AM - 11:00 AM	60.5	79.7	49.3
Leq Average 24 hrs. (dB(A))	56.9		
Lmax (dB(A))		88.7	
L90 (dB(A))			47.2
Ldn (dB(A))	59.7		
Standard (dB(A))	70	115	

Reference Method : ISO1996-1 and 1996-2
Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548
Remark : The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management
Chonticha Subongkoch
Scientist (3)

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: 24124989
Date Received : Dec 23, 2024
Date Reported : Dec 24, 2024
Report Number: 3201554-1

Sample Number	24124989-9
Parameter	Noise (Leq 24 hrs.)
Location	บ้านพักอาศัย หมู่ 2 ซ.มาบยางพร 15 (N2) (GPS 47P 0733648, 1434012)
Measurement Date	Dec 16 - Dec 17, 2024
Measurement by	Panuwat Wangbong
Sound Level meter	Serial No. 623392

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	59.6	85.9	49.7
12:00 PM - 01:00 PM	62.9	86.8	47.5
01:00 PM - 02:00 PM	59.5	81.8	46.4
02:00 PM - 03:00 PM	54.3	72.8	49.5
03:00 PM - 04:00 PM	53.8	73.2	45.4
04:00 PM - 05:00 PM	56.9	79.8	49.7
05:00 PM - 06:00 PM	53.8	76.2	43.6
06:00 PM - 07:00 PM	54.5	83.5	42.7
07:00 PM - 08:00 PM	55.1	82.0	44.2
08:00 PM - 09:00 PM	54.2	80.0	44.1
09:00 PM - 10:00 PM	55.5	86.4	42.6
10:00 PM - 11:00 PM	54.8	88.0	40.5
11:00 PM - 12:00 AM	48.2	76.5	38.0
12:00 AM - 01:00 AM	45.4	75.9	35.8
01:00 AM - 02:00 AM	44.7	71.9	35.0
02:00 AM - 03:00 AM	38.1	59.0	34.4
03:00 AM - 04:00 AM	40.0	60.3	34.6
04:00 AM - 05:00 AM	45.4	70.1	36.9
05:00 AM - 06:00 AM	50.4	75.7	40.8
06:00 AM - 07:00 AM	56.7	79.2	48.4
07:00 AM - 08:00 AM	60.9	90.5	50.3
08:00 AM - 09:00 AM	58.4	78.4	54.3
09:00 AM - 10:00 AM	55.9	75.5	49.9
10:00 AM - 11:00 AM	57.0	86.2	49.8
Leq Average 24 hrs. (dB(A))	56.2		
Lmax (dB(A))		90.5	
L90 (dB(A))			44.1
Ldn (dB(A))	59.1		
Standard (dB(A))	70	115	

Reference Method : ISO1996-1 and 1996-2
Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548
Remark : The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management
Chonticha Subongkoch
Scientist (3)

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: 24124989
Date Received : Dec 23, 2024
Date Reported : Dec 24, 2024
Report Number: 3201555-1

Sample Number	24124989-10
Parameter	Noise (Leq 24 hrs.)
Location	บ้านพักอาศัย หมู่ 2 ซ.มาบยางพร 15 (N2) (GPS 47P 0733648, 1434012)
Measurement Date	Dec 17 - Dec 18, 2024
Measurement by	Panuwat Wangbong
Sound Level meter	Serial No. 623392

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	58.4	86.6	48.7
12:00 PM - 01:00 PM	56.4	84.5	47.2
01:00 PM - 02:00 PM	54.0	77.6	46.3
02:00 PM - 03:00 PM	57.9	85.5	51.1
03:00 PM - 04:00 PM	58.0	87.2	47.7
04:00 PM - 05:00 PM	55.9	84.8	46.5
05:00 PM - 06:00 PM	55.2	81.9	45.3
06:00 PM - 07:00 PM	53.1	79.7	43.9
07:00 PM - 08:00 PM	54.1	76.3	44.6
08:00 PM - 09:00 PM	53.0	77.2	43.6
09:00 PM - 10:00 PM	50.8	79.1	40.4
10:00 PM - 11:00 PM	44.0	68.8	38.4
11:00 PM - 12:00 AM	49.6	70.6	38.6
12:00 AM - 01:00 AM	55.4	84.8	37.4
01:00 AM - 02:00 AM	40.6	60.9	36.5
02:00 AM - 03:00 AM	40.2	59.3	35.6
03:00 AM - 04:00 AM	42.0	63.9	36.0
04:00 AM - 05:00 AM	49.6	74.0	37.4
05:00 AM - 06:00 AM	49.1	70.4	41.0
06:00 AM - 07:00 AM	54.9	78.3	47.3
07:00 AM - 08:00 AM	61.7	89.7	51.7
08:00 AM - 09:00 AM	57.2	89.0	51.0
09:00 AM - 10:00 AM	62.7	86.6	52.1
10:00 AM - 11:00 AM	62.9	81.1	54.0
Leq Average 24 hrs. (dB(A))	56.6		
Lmax (dB(A))		89.7	
L90 (dB(A))			44.6
Ldn (dB(A))	59.2		
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
Chonticha Subongkoch
Scientist (3)

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: 24124989
Date Received : Dec 23, 2024
Date Reported : Dec 24, 2024
Report Number: 3201556-1

Sample Number	24124989-11
Parameter	Noise (Leq 24 hrs.)
Location	บ้านพักอาศัย หมู่ 2 ซ.มาบยางพร 15 (N2) (GPS 47P 0733648, 1434012)
Measurement Date	Dec 18 - Dec 19, 2024
Measurement by	Panuwat Wangbong
Sound Level meter	Serial No. 623392

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	58.6	84.5	53.6
12:00 PM - 01:00 PM	53.0	80.6	45.6
01:00 PM - 02:00 PM	59.0	78.1	48.7
02:00 PM - 03:00 PM	59.7	83.6	49.9
03:00 PM - 04:00 PM	63.2	86.3	48.3
04:00 PM - 05:00 PM	61.1	88.3	52.3
05:00 PM - 06:00 PM	57.3	85.8	45.7
06:00 PM - 07:00 PM	54.1	80.6	43.6
07:00 PM - 08:00 PM	54.6	78.9	44.6
08:00 PM - 09:00 PM	52.0	74.0	44.1
09:00 PM - 10:00 PM	50.0	73.3	41.2
10:00 PM - 11:00 PM	46.9	72.0	37.8
11:00 PM - 12:00 AM	45.8	70.3	37.7
12:00 AM - 01:00 AM	46.4	73.9	38.2
01:00 AM - 02:00 AM	39.5	65.7	36.1
02:00 AM - 03:00 AM	41.6	70.5	35.8
03:00 AM - 04:00 AM	40.3	75.4	36.6
04:00 AM - 05:00 AM	46.6	74.0	40.1
05:00 AM - 06:00 AM	52.0	70.6	44.0
06:00 AM - 07:00 AM	58.6	85.0	49.0
07:00 AM - 08:00 AM	64.8	85.3	50.9
08:00 AM - 09:00 AM	57.8	80.3	49.9
09:00 AM - 10:00 AM	58.6	80.4	52.6
10:00 AM - 11:00 AM	58.0	79.6	52.4
Leq Average 24 hrs. (dB(A))	57.5		
Lmax (dB(A))		88.3	
L90 (dB(A))			44.6
Ldn (dB(A))	59.9		
Standard (dB(A))	70	115	

Reference Method : ISO1996-1 and 1996-2
Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548
Remark : The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management
Chonticha Subongkoch
Scientist (3)

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: 24124989
Date Received : Dec 23, 2024
Date Reported : Dec 24, 2024
Report Number: 3201557-1

Sample Number	24124989-12
Parameter	Noise (Leq 24 hrs.)
Location	บ้านพักอาศัย หมู่ 2 ซ.มาบยางพร 15 (N2) (GPS 47P 0733648, 1434012)
Measurement Date	Dec 19 - Dec 20, 2024
Measurement by	Panuwat Wangbong
Sound Level meter	Serial No. 623392

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	59.8	80.5	52.1
12:00 PM - 01:00 PM	57.0	77.5	50.1
01:00 PM - 02:00 PM	55.2	70.2	50.3
02:00 PM - 03:00 PM	54.0	69.9	48.6
03:00 PM - 04:00 PM	55.6	80.1	49.1
04:00 PM - 05:00 PM	58.4	83.7	49.4
05:00 PM - 06:00 PM	60.0	88.5	46.3
06:00 PM - 07:00 PM	53.7	77.7	44.6
07:00 PM - 08:00 PM	56.8	85.4	46.2
08:00 PM - 09:00 PM	52.8	74.2	44.5
09:00 PM - 10:00 PM	53.3	84.5	41.1
10:00 PM - 11:00 PM	52.2	83.3	40.2
11:00 PM - 12:00 AM	45.5	73.2	39.6
12:00 AM - 01:00 AM	50.6	79.7	38.8
01:00 AM - 02:00 AM	45.6	69.8	37.7
02:00 AM - 03:00 AM	46.7	69.1	37.1
03:00 AM - 04:00 AM	42.9	64.4	36.6
04:00 AM - 05:00 AM	45.3	72.8	38.1
05:00 AM - 06:00 AM	50.8	76.5	43.2
06:00 AM - 07:00 AM	55.8	78.5	47.3
07:00 AM - 08:00 AM	59.2	79.6	51.5
08:00 AM - 09:00 AM	62.7	88.3	51.4
09:00 AM - 10:00 AM	59.2	78.2	54.5
10:00 AM - 11:00 AM	58.6	72.6	54.3
Leq Average 24 hrs. (dB(A))	56.4		
Lmax (dB(A))		88.5	
L90 (dB(A))			46.2
Ldn (dB(A))	59.0		
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
Chonticha Subongkoch
Scientist (3)

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: 24124989
Date Received : Dec 23, 2024
Date Reported : Dec 24, 2024
Report Number: 3201558-1

Sample Number	24124989-13
Parameter	Noise (Leq 24 hrs.)
Location	บ้านพักอาศัย หมู่ 2 ซ.มาบยางพร 15 (N2) (GPS 47P 0733648, 1434012)
Measurement Date	Dec 20 - Dec 21, 2024
Measurement by	Panuwat Wangbong
Sound Level meter	Serial No. 623392

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	58.7	90.4	51.2
12:00 PM - 01:00 PM	55.3	81.1	49.1
01:00 PM - 02:00 PM	55.3	73.1	49.7
02:00 PM - 03:00 PM	58.6	77.4	52.7
03:00 PM - 04:00 PM	59.3	81.0	55.0
04:00 PM - 05:00 PM	56.5	81.8	48.7
05:00 PM - 06:00 PM	55.6	83.1	47.6
06:00 PM - 07:00 PM	53.9	81.0	46.1
07:00 PM - 08:00 PM	56.8	80.7	51.5
08:00 PM - 09:00 PM	58.1	72.2	51.5
09:00 PM - 10:00 PM	59.2	81.1	53.6
10:00 PM - 11:00 PM	50.0	78.0	41.1
11:00 PM - 12:00 AM	56.7	90.2	39.8
12:00 AM - 01:00 AM	46.5	71.7	37.8
01:00 AM - 02:00 AM	45.1	73.1	36.1
02:00 AM - 03:00 AM	40.0	62.1	35.9
03:00 AM - 04:00 AM	42.2	60.5	36.8
04:00 AM - 05:00 AM	46.6	71.1	38.4
05:00 AM - 06:00 AM	51.6	72.6	42.1
06:00 AM - 07:00 AM	55.9	77.2	47.1
07:00 AM - 08:00 AM	59.5	85.8	49.4
08:00 AM - 09:00 AM	56.7	77.3	50.5
09:00 AM - 10:00 AM	64.6	83.6	60.3
10:00 AM - 11:00 AM	61.2	76.7	54.4
Leq Average 24 hrs. (dB(A))	57.3		
Lmax (dB(A))		90.4	
L90 (dB(A))			48.7
Ldn (dB(A))	60.0		
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
Chonticha Subongkoch
Scientist (3)

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: 24124989
Date Received : Dec 23, 2024
Date Reported : Dec 24, 2024
Report Number: 3201559-1

Sample Number	24124989-14
Parameter	Noise (Leq 24 hrs.)
Location	บ้านพักอาศัย หมู่ 2 ซ.มาบยางพร 15 (N2) (GPS 47P 0733648, 1434012)
Measurement Date	Dec 21 - Dec 22, 2024
Measurement by	Panuwat Wangbong
Sound Level meter	Serial No. 623392

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	61.0	90.1	51.1
12:00 PM - 01:00 PM	60.1	88.0	50.1
01:00 PM - 02:00 PM	62.7	80.0	52.6
02:00 PM - 03:00 PM	59.0	75.9	51.6
03:00 PM - 04:00 PM	63.0	80.9	53.2
04:00 PM - 05:00 PM	59.5	78.3	52.0
05:00 PM - 06:00 PM	63.1	89.1	49.7
06:00 PM - 07:00 PM	53.5	81.3	44.6
07:00 PM - 08:00 PM	53.4	77.1	45.4
08:00 PM - 09:00 PM	53.4	78.0	45.0
09:00 PM - 10:00 PM	50.1	73.9	43.2
10:00 PM - 11:00 PM	55.2	86.5	42.9
11:00 PM - 12:00 AM	48.1	73.2	40.7
12:00 AM - 01:00 AM	48.0	74.0	40.3
01:00 AM - 02:00 AM	44.3	69.8	39.0
02:00 AM - 03:00 AM	43.5	69.5	38.2
03:00 AM - 04:00 AM	44.0	62.7	38.9
04:00 AM - 05:00 AM	51.9	80.9	41.2
05:00 AM - 06:00 AM	52.0	72.7	41.6
06:00 AM - 07:00 AM	55.0	85.9	45.6
07:00 AM - 08:00 AM	56.5	78.0	47.9
08:00 AM - 09:00 AM	61.0	85.8	51.9
09:00 AM - 10:00 AM	64.0	84.1	60.2
10:00 AM - 11:00 AM	63.1	77.3	57.5
Leq Average 24 hrs. (dB(A))	58.8		
Lmax (dB(A))		90.1	
L90 (dB(A))			45.4
Ldn (dB(A))	60.7		
Standard (dB(A))	70	115	

Reference Method : ISO1996-1 and 1996-2
Standard : 1. ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 15 (พ.ศ. 2540) เรื่องกำหนดมาตรฐานระดับเสียงโดยทั่วไป
2. ประกาศกระทรวงอุตสาหกรรม เรื่องกำหนดค่าระดับเสียงการรบกวน และระดับเสียงที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2548
Remark : The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management
Chonticha Subongkoch
Scientist (3)

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: 24124990
Date Received :Dec 23, 2024
Date Reported :Dec 25, 2024
Report Number :3201645-1

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

Sample Number 24124990-1
Parameter Noise Level (Leq 5 min)
Location บ้านวังตาลหม่อน (N1) (GPS 47P 0734083, 1432148)
Measurement Date Dec 15 - Dec 16, 2024
Measurement by Panuwat Wangbong
Sound Level meter Serial No. 623393

Dec 15, 2024 Time	Leq dB(A)	L90 dB(A)	Dec 15, 2024 Time	Leq dB(A)	L90 dB(A)	Dec 15, 2024 Time	Leq dB(A)	L90 dB(A)
12:00 PM - 12:05 PM	51.0	45.7	02:40 PM - 02:45 PM	53.0	46.7	05:20 PM - 05:25 PM	54.0	47.6
12:05 PM - 12:10 PM	51.5	45.9	02:45 PM - 02:50 PM	53.3	44.5	05:25 PM - 05:30 PM	51.6	46.9
12:10 PM - 12:15 PM	52.2	47.1	02:50 PM - 02:55 PM	51.6	45.5	05:30 PM - 05:35 PM	51.9	45.9
12:15 PM - 12:20 PM	52.3	44.8	02:55 PM - 03:00 PM	56.8	48.3	05:35 PM - 05:40 PM	52.0	46.7
12:20 PM - 12:25 PM	50.2	44.4	03:00 PM - 03:05 PM	52.9	41.9	05:40 PM - 05:45 PM	51.5	46.0
12:25 PM - 12:30 PM	51.0	46.3	03:05 PM - 03:10 PM	51.0	46.2	05:45 PM - 05:50 PM	53.6	45.6
12:30 PM - 12:35 PM	49.6	44.2	03:10 PM - 03:15 PM	49.1	44.3	05:50 PM - 05:55 PM	55.2	45.2
12:35 PM - 12:40 PM	54.5	43.9	03:15 PM - 03:20 PM	50.6	43.9	05:55 PM - 06:00 PM	61.7	45.6
12:40 PM - 12:45 PM	52.5	45.6	03:20 PM - 03:25 PM	51.6	45.2	06:00 PM - 06:05 PM	53.8	46.3
12:45 PM - 12:50 PM	49.2	42.6	03:25 PM - 03:30 PM	56.5	43.3	06:05 PM - 06:10 PM	53.6	45.2
12:50 PM - 12:55 PM	51.8	46.2	03:30 PM - 03:35 PM	51.0	43.1	06:10 PM - 06:15 PM	51.0	45.8
12:55 PM - 01:00 PM	51.3	45.9	03:35 PM - 03:40 PM	52.8	48.0	06:15 PM - 06:20 PM	61.3	44.6
01:00 PM - 01:05 PM	50.6	46.0	03:40 PM - 03:45 PM	51.6	45.6	06:20 PM - 06:25 PM	53.6	46.2
01:05 PM - 01:10 PM	52.5	46.3	03:45 PM - 03:50 PM	53.3	46.2	06:25 PM - 06:30 PM	49.2	43.6
01:10 PM - 01:15 PM	53.5	47.3	03:50 PM - 03:55 PM	51.1	43.8	06:30 PM - 06:35 PM	51.4	43.1
01:15 PM - 01:20 PM	50.9	44.4	03:55 PM - 04:00 PM	49.4	43.3	06:35 PM - 06:40 PM	51.8	45.2
01:20 PM - 01:25 PM	50.0	42.2	04:00 PM - 04:05 PM	52.5	46.9	06:40 PM - 06:45 PM	51.8	45.6
01:25 PM - 01:30 PM	49.9	43.1	04:05 PM - 04:10 PM	51.5	45.3	06:45 PM - 06:50 PM	49.6	43.8
01:30 PM - 01:35 PM	51.5	44.7	04:10 PM - 04:15 PM	51.4	45.3	06:50 PM - 06:55 PM	57.2	46.4
01:35 PM - 01:40 PM	49.5	42.7	04:15 PM - 04:20 PM	53.3	44.7	06:55 PM - 07:00 PM	50.0	44.3
01:40 PM - 01:45 PM	50.2	43.5	04:20 PM - 04:25 PM	51.9	46.7	07:00 PM - 07:05 PM	51.0	43.9
01:45 PM - 01:50 PM	51.9	44.6	04:25 PM - 04:30 PM	51.0	46.1	07:05 PM - 07:10 PM	53.0	42.9
01:50 PM - 01:55 PM	51.6	45.5	04:30 PM - 04:35 PM	52.8	47.5	07:10 PM - 07:15 PM	50.7	44.2
01:55 PM - 02:00 PM	52.8	45.9	04:35 PM - 04:40 PM	51.2	46.8	07:15 PM - 07:20 PM	49.6	43.1
02:00 PM - 02:05 PM	50.4	45.1	04:40 PM - 04:45 PM	59.6	48.0	07:20 PM - 07:25 PM	49.6	44.9
02:05 PM - 02:10 PM	54.7	43.6	04:45 PM - 04:50 PM	53.0	46.0	07:25 PM - 07:30 PM	50.3	44.8
02:10 PM - 02:15 PM	49.9	42.1	04:50 PM - 04:55 PM	53.7	45.5	07:30 PM - 07:35 PM	49.1	43.8
02:15 PM - 02:20 PM	50.4	46.0	04:55 PM - 05:00 PM	52.9	47.3	07:35 PM - 07:40 PM	50.7	44.8
02:20 PM - 02:25 PM	50.9	45.4	05:00 PM - 05:05 PM	52.8	47.9	07:40 PM - 07:45 PM	48.2	42.0
02:25 PM - 02:30 PM	51.1	46.7	05:05 PM - 05:10 PM	52.3	48.4	07:45 PM - 07:50 PM	56.4	41.9
02:30 PM - 02:35 PM	52.5	45.3	05:10 PM - 05:15 PM	53.4	49.3	07:50 PM - 07:55 PM	58.0	44.0
02:35 PM - 02:40 PM	50.3	45.2	05:15 PM - 05:20 PM	54.4	49.0	07:55 PM - 08:00 PM	54.4	44.0

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

Approved by

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: 24124990
Date Received :Dec 23, 2024
Date Reported :Dec 25, 2024
Report Number :3201645-1

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

Sample Number 24124990-1
Parameter Noise Level (Leq 5 min)
Location **บ้านวังตาลหม่อน** (N1) (GPS 47P 0734083, 1432148)
Measurement Date Dec 15 - Dec 16, 2024
Measurement by Panuwat Wangbong
Sound Level meter Serial No. 623393

Dec 15, 2024 Time	Leq dB(A)	L90 dB(A)	Dec 15 - Dec 16, 2024 Time	Leq dB(A)	L90 dB(A)	Dec 16, 2024 Time	Leq dB(A)	L90 dB(A)
08:00 PM - 08:05 PM	51.2	45.6	10:40 PM - 10:45 PM	47.5	40.8	01:20 AM - 01:25 AM	44.1	36.2
08:05 PM - 08:10 PM	50.7	45.7	10:45 PM - 10:50 PM	45.3	41.1	01:25 AM - 01:30 AM	57.0	35.1
08:10 PM - 08:15 PM	50.1	45.4	10:50 PM - 10:55 PM	46.1	39.2	01:30 AM - 01:35 AM	44.6	35.3
08:15 PM - 08:20 PM	51.8	46.0	10:55 PM - 11:00 PM	46.2	38.8	01:35 AM - 01:40 AM	40.7	34.8
08:20 PM - 08:25 PM	51.1	45.0	11:00 PM - 11:05 PM	46.3	39.5	01:40 AM - 01:45 AM	44.4	38.5
08:25 PM - 08:30 PM	51.1	44.7	11:05 PM - 11:10 PM	45.2	39.8	01:45 AM - 01:50 AM	40.3	36.1
08:30 PM - 08:35 PM	50.7	42.6	11:10 PM - 11:15 PM	45.5	39.7	01:50 AM - 01:55 AM	39.3	37.1
08:35 PM - 08:40 PM	51.0	45.1	11:15 PM - 11:20 PM	46.5	41.3	01:55 AM - 02:00 AM	41.6	37.4
08:40 PM - 08:45 PM	51.1	46.4	11:20 PM - 11:25 PM	46.1	41.0	02:00 AM - 02:05 AM	43.2	36.4
08:45 PM - 08:50 PM	51.0	44.0	11:25 PM - 11:30 PM	45.4	41.1	02:05 AM - 02:10 AM	42.3	37.4
08:50 PM - 08:55 PM	49.9	43.4	11:30 PM - 11:35 PM	44.6	39.5	02:10 AM - 02:15 AM	38.6	35.9
08:55 PM - 09:00 PM	52.7	44.3	11:35 PM - 11:40 PM	43.4	38.9	02:15 AM - 02:20 AM	38.4	35.5
09:00 PM - 09:05 PM	47.9	44.6	11:40 PM - 11:45 PM	47.0	39.8	02:20 AM - 02:25 AM	43.0	36.6
09:05 PM - 09:10 PM	50.8	44.9	11:45 PM - 11:50 PM	43.0	38.0	02:25 AM - 02:30 AM	40.5	35.8
09:10 PM - 09:15 PM	48.3	44.2	11:50 PM - 11:55 PM	46.1	38.1	02:30 AM - 02:35 AM	40.7	35.2
09:15 PM - 09:20 PM	48.8	44.4	11:55 PM - 12:00 AM	40.7	36.3	02:35 AM - 02:40 AM	36.9	35.0
09:20 PM - 09:25 PM	49.7	42.4	12:00 AM - 12:05 AM	42.9	36.2	02:40 AM - 02:45 AM	39.8	34.6
09:25 PM - 09:30 PM	48.0	42.8	12:05 AM - 12:10 AM	45.2	36.7	02:45 AM - 02:50 AM	54.5	35.8
09:30 PM - 09:35 PM	49.8	42.7	12:10 AM - 12:15 AM	40.6	36.7	02:50 AM - 02:55 AM	40.5	35.3
09:35 PM - 09:40 PM	47.6	42.3	12:15 AM - 12:20 AM	47.8	37.1	02:55 AM - 03:00 AM	36.9	35.5
09:40 PM - 09:45 PM	46.9	42.2	12:20 AM - 12:25 AM	45.7	36.9	03:00 AM - 03:05 AM	39.3	35.6
09:45 PM - 09:50 PM	48.1	40.8	12:25 AM - 12:30 AM	45.7	37.9	03:05 AM - 03:10 AM	43.6	35.8
09:50 PM - 09:55 PM	55.6	43.3	12:30 AM - 12:35 AM	42.9	36.8	03:10 AM - 03:15 AM	39.9	34.3
09:55 PM - 10:00 PM	51.8	43.3	12:35 AM - 12:40 AM	45.8	38.3	03:15 AM - 03:20 AM	38.7	34.7
10:00 PM - 10:05 PM	48.0	41.9	12:40 AM - 12:45 AM	43.6	38.0	03:20 AM - 03:25 AM	42.1	34.3
10:05 PM - 10:10 PM	49.6	41.4	12:45 AM - 12:50 AM	43.2	37.3	03:25 AM - 03:30 AM	36.4	34.1
10:10 PM - 10:15 PM	47.2	42.3	12:50 AM - 12:55 AM	43.6	36.7	03:30 AM - 03:35 AM	38.7	36.1
10:15 PM - 10:20 PM	56.4	41.9	12:55 AM - 01:00 AM	43.9	37.8	03:35 AM - 03:40 AM	41.3	35.4
10:20 PM - 10:25 PM	47.0	39.6	01:00 AM - 01:05 AM	39.7	35.8	03:40 AM - 03:45 AM	51.0	36.0
10:25 PM - 10:30 PM	47.2	39.3	01:05 AM - 01:10 AM	40.6	36.0	03:45 AM - 03:50 AM	55.0	40.4
10:30 PM - 10:35 PM	47.9	42.9	01:10 AM - 01:15 AM	42.6	35.2	03:50 AM - 03:55 AM	41.5	36.8
10:35 PM - 10:40 PM	45.4	41.3	01:15 AM - 01:20 AM	42.6	35.5	03:55 AM - 04:00 AM	39.8	35.0

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

Approved by

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: 24124990
Date Received :Dec 23, 2024
Date Reported :Dec 25, 2024
Report Number :3201645-1

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

Sample Number 24124990-1
Parameter Noise Level (Leq 5 min)
Location **บ้านวังตาลหม่อน** (N1) (GPS 47P 0734083, 1432148)
Measurement Date Dec 15 - Dec 16, 2024
Measurement by Panuwat Wangbong
Sound Level meter Serial No. 623393

Dec 16, 2024 Time	Leq dB(A)	L90 dB(A)	Dec 16, 2024 Time	Leq dB(A)	L90 dB(A)	Dec 16, 2024 Time	Leq dB(A)	L90 dB(A)
04:00 AM - 04:05 AM	38.2	34.5	06:40 AM - 06:45 AM	52.8	44.9	09:20 AM - 09:25 AM	54.6	48.5
04:05 AM - 04:10 AM	36.6	34.8	06:45 AM - 06:50 AM	52.6	45.2	09:25 AM - 09:30 AM	54.0	48.7
04:10 AM - 04:15 AM	38.3	35.2	06:50 AM - 06:55 AM	53.5	46.3	09:30 AM - 09:35 AM	52.8	48.2
04:15 AM - 04:20 AM	52.3	38.9	06:55 AM - 07:00 AM	56.4	49.0	09:35 AM - 09:40 AM	52.3	48.4
04:20 AM - 04:25 AM	42.2	36.5	07:00 AM - 07:05 AM	55.6	48.0	09:40 AM - 09:45 AM	51.7	48.0
04:25 AM - 04:30 AM	42.2	36.0	07:05 AM - 07:10 AM	55.9	49.1	09:45 AM - 09:50 AM	54.1	47.8
04:30 AM - 04:35 AM	43.7	36.3	07:10 AM - 07:15 AM	56.4	50.2	09:50 AM - 09:55 AM	54.5	49.1
04:35 AM - 04:40 AM	42.6	36.2	07:15 AM - 07:20 AM	53.9	50.1	09:55 AM - 10:00 AM	52.1	47.2
04:40 AM - 04:45 AM	42.9	36.7	07:20 AM - 07:25 AM	63.7	50.5	10:00 AM - 10:05 AM	54.7	49.8
04:45 AM - 04:50 AM	43.9	36.7	07:25 AM - 07:30 AM	54.9	50.3	10:05 AM - 10:10 AM	52.8	48.8
04:50 AM - 04:55 AM	39.5	35.8	07:30 AM - 07:35 AM	55.8	52.0	10:10 AM - 10:15 AM	53.3	48.7
04:55 AM - 05:00 AM	43.4	35.2	07:35 AM - 07:40 AM	58.8	51.2	10:15 AM - 10:20 AM	55.2	49.4
05:00 AM - 05:05 AM	43.7	36.4	07:40 AM - 07:45 AM	56.5	51.1	10:20 AM - 10:25 AM	53.7	49.5
05:05 AM - 05:10 AM	41.1	35.7	07:45 AM - 07:50 AM	58.3	50.7	10:25 AM - 10:30 AM	53.3	49.5
05:10 AM - 05:15 AM	51.0	37.4	07:50 AM - 07:55 AM	64.4	50.1	10:30 AM - 10:35 AM	52.9	48.6
05:15 AM - 05:20 AM	52.6	36.5	07:55 AM - 08:00 AM	53.5	48.8	10:35 AM - 10:40 AM	53.9	46.9
05:20 AM - 05:25 AM	57.5	37.4	08:00 AM - 08:05 AM	57.1	49.6	10:40 AM - 10:45 AM	53.5	45.8
05:25 AM - 05:30 AM	44.6	38.2	08:05 AM - 08:10 AM	54.8	49.4	10:45 AM - 10:50 AM	51.1	44.9
05:30 AM - 05:35 AM	48.9	42.9	08:10 AM - 08:15 AM	54.4	49.2	10:50 AM - 10:55 AM	51.7	45.3
05:35 AM - 05:40 AM	51.0	42.3	08:15 AM - 08:20 AM	54.8	48.4	10:55 AM - 11:00 AM	54.2	48.4
05:40 AM - 05:45 AM	50.6	44.3	08:20 AM - 08:25 AM	54.6	48.7	11:00 AM - 11:05 AM	58.3	47.1
05:45 AM - 05:50 AM	49.6	42.1	08:25 AM - 08:30 AM	53.6	48.7	11:05 AM - 11:10 AM	50.4	44.3
05:50 AM - 05:55 AM	49.2	42.4	08:30 AM - 08:35 AM	54.9	49.6	11:10 AM - 11:15 AM	50.1	44.4
05:55 AM - 06:00 AM	55.3	44.8	08:35 AM - 08:40 AM	52.9	49.2	11:15 AM - 11:20 AM	55.3	48.8
06:00 AM - 06:05 AM	53.8	43.7	08:40 AM - 08:45 AM	52.2	48.6	11:20 AM - 11:25 AM	51.0	46.0
06:05 AM - 06:10 AM	54.5	44.8	08:45 AM - 08:50 AM	53.3	49.2	11:25 AM - 11:30 AM	53.1	46.2
06:10 AM - 06:15 AM	54.6	44.6	08:50 AM - 08:55 AM	53.0	50.1	11:30 AM - 11:35 AM	52.4	47.9
06:15 AM - 06:20 AM	56.9	48.4	08:55 AM - 09:00 AM	52.6	49.2	11:35 AM - 11:40 AM	52.7	47.5
06:20 AM - 06:25 AM	50.7	45.7	09:00 AM - 09:05 AM	52.9	49.1	11:40 AM - 11:45 AM	51.9	45.4
06:25 AM - 06:30 AM	50.2	44.3	09:05 AM - 09:10 AM	54.4	48.2	11:45 AM - 11:50 AM	52.1	45.2
06:30 AM - 06:35 AM	62.3	46.1	09:10 AM - 09:15 AM	53.9	48.0	11:50 AM - 11:55 AM	54.7	46.1
06:35 AM - 06:40 AM	55.5	46.0	09:15 AM - 09:20 AM	53.2	48.8	11:55 AM - 12:00 PM	51.5	46.4

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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: 24124990
Date Received :Dec 23, 2024
Date Reported :Dec 25, 2024
Report Number :3201646-1

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

Sample Number 24124990-2
Parameter Noise Level (Leq 5 min)
Location บ้านวังตาลหม่อน (N1) (GPS 47P 0734083, 1432148)
Measurement Date Dec 16 - Dec 17, 2024
Measurement by Panuwat Wangbong
Sound Level meter Serial No. 623393

Dec 16, 2024 Time	Leq dB(A)	L90 dB(A)	Dec 16, 2024 Time	Leq dB(A)	L90 dB(A)	Dec 16, 2024 Time	Leq dB(A)	L90 dB(A)
12:00 PM - 12:05 PM	50.3	44.9	02:40 PM - 02:45 PM	53.1	46.0	05:20 PM - 05:25 PM	53.5	45.6
12:05 PM - 12:10 PM	54.0	46.7	02:45 PM - 02:50 PM	51.2	44.0	05:25 PM - 05:30 PM	51.8	45.8
12:10 PM - 12:15 PM	52.9	48.0	02:50 PM - 02:55 PM	50.5	44.3	05:30 PM - 05:35 PM	52.3	46.0
12:15 PM - 12:20 PM	50.9	45.2	02:55 PM - 03:00 PM	51.4	45.1	05:35 PM - 05:40 PM	53.9	47.8
12:20 PM - 12:25 PM	51.8	45.6	03:00 PM - 03:05 PM	49.6	42.1	05:40 PM - 05:45 PM	53.5	48.1
12:25 PM - 12:30 PM	53.2	43.2	03:05 PM - 03:10 PM	51.3	43.3	05:45 PM - 05:50 PM	53.7	46.0
12:30 PM - 12:35 PM	51.9	42.1	03:10 PM - 03:15 PM	49.6	43.1	05:50 PM - 05:55 PM	57.4	44.7
12:35 PM - 12:40 PM	50.7	42.4	03:15 PM - 03:20 PM	50.9	44.0	05:55 PM - 06:00 PM	53.7	44.3
12:40 PM - 12:45 PM	52.3	42.6	03:20 PM - 03:25 PM	51.6	44.9	06:00 PM - 06:05 PM	51.3	42.9
12:45 PM - 12:50 PM	49.1	43.8	03:25 PM - 03:30 PM	49.8	42.9	06:05 PM - 06:10 PM	53.6	46.8
12:50 PM - 12:55 PM	54.5	45.9	03:30 PM - 03:35 PM	52.5	44.5	06:10 PM - 06:15 PM	52.6	45.7
12:55 PM - 01:00 PM	49.0	44.3	03:35 PM - 03:40 PM	51.3	44.2	06:15 PM - 06:20 PM	49.9	42.1
01:00 PM - 01:05 PM	52.4	45.0	03:40 PM - 03:45 PM	50.6	47.1	06:20 PM - 06:25 PM	50.7	44.1
01:05 PM - 01:10 PM	52.1	46.5	03:45 PM - 03:50 PM	52.8	46.0	06:25 PM - 06:30 PM	51.8	45.7
01:10 PM - 01:15 PM	50.5	46.3	03:50 PM - 03:55 PM	54.9	43.2	06:30 PM - 06:35 PM	51.9	44.9
01:15 PM - 01:20 PM	52.6	44.3	03:55 PM - 04:00 PM	51.8	43.3	06:35 PM - 06:40 PM	49.9	43.1
01:20 PM - 01:25 PM	51.4	45.3	04:00 PM - 04:05 PM	53.9	45.8	06:40 PM - 06:45 PM	51.0	44.4
01:25 PM - 01:30 PM	52.5	44.6	04:05 PM - 04:10 PM	50.5	44.4	06:45 PM - 06:50 PM	51.2	46.3
01:30 PM - 01:35 PM	52.7	47.6	04:10 PM - 04:15 PM	52.2	45.5	06:50 PM - 06:55 PM	52.1	46.7
01:35 PM - 01:40 PM	56.1	48.5	04:15 PM - 04:20 PM	51.1	45.6	06:55 PM - 07:00 PM	51.1	46.1
01:40 PM - 01:45 PM	55.7	47.4	04:20 PM - 04:25 PM	53.2	46.3	07:00 PM - 07:05 PM	50.2	46.3
01:45 PM - 01:50 PM	53.7	46.2	04:25 PM - 04:30 PM	51.0	44.8	07:05 PM - 07:10 PM	52.3	46.3
01:50 PM - 01:55 PM	51.7	46.6	04:30 PM - 04:35 PM	52.3	45.5	07:10 PM - 07:15 PM	50.8	46.4
01:55 PM - 02:00 PM	52.6	47.3	04:35 PM - 04:40 PM	50.5	44.9	07:15 PM - 07:20 PM	49.8	46.4
02:00 PM - 02:05 PM	51.2	45.6	04:40 PM - 04:45 PM	56.2	46.9	07:20 PM - 07:25 PM	51.7	47.5
02:05 PM - 02:10 PM	50.6	44.7	04:45 PM - 04:50 PM	57.6	45.7	07:25 PM - 07:30 PM	50.8	47.1
02:10 PM - 02:15 PM	50.7	44.0	04:50 PM - 04:55 PM	52.4	45.5	07:30 PM - 07:35 PM	51.5	46.5
02:15 PM - 02:20 PM	50.5	45.5	04:55 PM - 05:00 PM	58.8	47.8	07:35 PM - 07:40 PM	50.4	46.5
02:20 PM - 02:25 PM	49.2	43.9	05:00 PM - 05:05 PM	52.6	45.8	07:40 PM - 07:45 PM	49.5	45.7
02:25 PM - 02:30 PM	51.8	44.2	05:05 PM - 05:10 PM	51.1	45.6	07:45 PM - 07:50 PM	48.5	45.5
02:30 PM - 02:35 PM	50.2	43.6	05:10 PM - 05:15 PM	55.5	46.1	07:50 PM - 07:55 PM	51.4	45.8
02:35 PM - 02:40 PM	50.3	43.4	05:15 PM - 05:20 PM	57.7	48.4	07:55 PM - 08:00 PM	50.3	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: 24124990
Date Received :Dec 23, 2024
Date Reported :Dec 25, 2024
Report Number :3201646-1

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

Sample Number 24124990-2
Parameter Noise Level (Leq 5 min)
Location **บ้านวังตาลหม่อน** (N1) (GPS 47P 0734083, 1432148)
Measurement Date Dec 16 - Dec 17, 2024
Measurement by Panuwat Wangbong
Sound Level meter Serial No. 623393

Dec 16, 2024 Time	Leq dB(A)	L90 dB(A)	Dec 16 - Dec 17, 2024 Time	Leq dB(A)	L90 dB(A)	Dec 17, 2024 Time	Leq dB(A)	L90 dB(A)
08:00 PM - 08:05 PM	49.3	45.5	10:40 PM - 10:45 PM	53.1	38.5	01:20 AM - 01:25 AM	47.8	34.8
08:05 PM - 08:10 PM	54.9	47.8	10:45 PM - 10:50 PM	49.6	40.6	01:25 AM - 01:30 AM	47.1	36.0
08:10 PM - 08:15 PM	53.2	48.7	10:50 PM - 10:55 PM	45.2	38.7	01:30 AM - 01:35 AM	46.6	36.7
08:15 PM - 08:20 PM	52.0	47.3	10:55 PM - 11:00 PM	63.4	37.4	01:35 AM - 01:40 AM	40.7	34.7
08:20 PM - 08:25 PM	52.1	47.2	11:00 PM - 11:05 PM	61.5	38.6	01:40 AM - 01:45 AM	38.1	34.6
08:25 PM - 08:30 PM	51.0	46.8	11:05 PM - 11:10 PM	47.0	39.0	01:45 AM - 01:50 AM	43.0	35.1
08:30 PM - 08:35 PM	49.0	42.3	11:10 PM - 11:15 PM	45.0	38.0	01:50 AM - 01:55 AM	42.2	34.5
08:35 PM - 08:40 PM	51.1	43.0	11:15 PM - 11:20 PM	56.3	38.1	01:55 AM - 02:00 AM	43.7	34.6
08:40 PM - 08:45 PM	50.1	42.3	11:20 PM - 11:25 PM	41.0	36.2	02:00 AM - 02:05 AM	37.5	34.5
08:45 PM - 08:50 PM	52.3	42.2	11:25 PM - 11:30 PM	46.2	36.2	02:05 AM - 02:10 AM	40.2	34.3
08:50 PM - 08:55 PM	49.9	43.6	11:30 PM - 11:35 PM	43.5	37.4	02:10 AM - 02:15 AM	43.1	35.1
08:55 PM - 09:00 PM	48.3	43.4	11:35 PM - 11:40 PM	43.1	36.5	02:15 AM - 02:20 AM	42.7	35.2
09:00 PM - 09:05 PM	48.0	45.0	11:40 PM - 11:45 PM	43.2	36.0	02:20 AM - 02:25 AM	42.5	35.8
09:05 PM - 09:10 PM	49.7	44.2	11:45 PM - 11:50 PM	47.4	35.7	02:25 AM - 02:30 AM	45.7	35.1
09:10 PM - 09:15 PM	56.4	43.2	11:50 PM - 11:55 PM	39.9	35.1	02:30 AM - 02:35 AM	41.8	35.7
09:15 PM - 09:20 PM	50.7	43.0	11:55 PM - 12:00 AM	49.6	35.1	02:35 AM - 02:40 AM	38.6	34.7
09:20 PM - 09:25 PM	47.1	41.0	12:00 AM - 12:05 AM	40.8	35.5	02:40 AM - 02:45 AM	41.7	35.1
09:25 PM - 09:30 PM	48.6	41.0	12:05 AM - 12:10 AM	52.2	35.9	02:45 AM - 02:50 AM	43.9	35.2
09:30 PM - 09:35 PM	47.7	43.3	12:10 AM - 12:15 AM	40.1	36.5	02:50 AM - 02:55 AM	62.3	35.4
09:35 PM - 09:40 PM	48.3	43.9	12:15 AM - 12:20 AM	42.9	36.3	02:55 AM - 03:00 AM	40.4	35.1
09:40 PM - 09:45 PM	48.8	44.7	12:20 AM - 12:25 AM	44.5	36.8	03:00 AM - 03:05 AM	42.0	34.9
09:45 PM - 09:50 PM	50.5	44.3	12:25 AM - 12:30 AM	44.0	36.9	03:05 AM - 03:10 AM	37.4	34.6
09:50 PM - 09:55 PM	48.3	44.9	12:30 AM - 12:35 AM	42.1	36.5	03:10 AM - 03:15 AM	49.3	35.8
09:55 PM - 10:00 PM	49.3	45.4	12:35 AM - 12:40 AM	41.4	35.6	03:15 AM - 03:20 AM	38.1	34.3
10:00 PM - 10:05 PM	48.1	44.1	12:40 AM - 12:45 AM	41.5	35.7	03:20 AM - 03:25 AM	37.9	34.5
10:05 PM - 10:10 PM	50.7	40.4	12:45 AM - 12:50 AM	44.9	35.3	03:25 AM - 03:30 AM	41.9	34.8
10:10 PM - 10:15 PM	46.3	41.1	12:50 AM - 12:55 AM	42.2	35.2	03:30 AM - 03:35 AM	44.9	35.1
10:15 PM - 10:20 PM	52.8	40.5	12:55 AM - 01:00 AM	46.8	35.9	03:35 AM - 03:40 AM	42.8	34.3
10:20 PM - 10:25 PM	49.0	40.6	01:00 AM - 01:05 AM	43.5	35.6	03:40 AM - 03:45 AM	42.6	35.4
10:25 PM - 10:30 PM	47.5	41.0	01:05 AM - 01:10 AM	41.2	34.8	03:45 AM - 03:50 AM	40.7	35.9
10:30 PM - 10:35 PM	45.8	40.7	01:10 AM - 01:15 AM	37.0	34.3	03:50 AM - 03:55 AM	38.6	36.6
10:35 PM - 10:40 PM	47.1	40.1	01:15 AM - 01:20 AM	40.5	34.8	03:55 AM - 04:00 AM	43.0	37.2

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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: 24124990
Date Received :Dec 23, 2024
Date Reported :Dec 25, 2024
Report Number :3201646-1

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

Sample Number	24124990-2
Parameter	Noise Level (Leq 5 min)
Location	บ้านวังตาลหม่อน (N1) (GPS 47P 0734083, 1432148)
Measurement Date	Dec 16 - Dec 17, 2024
Measurement by	Panuwat Wangbong
Sound Level meter	Serial No. 623393

Dec 17, 2024 Time	Leq dB(A)	L90 dB(A)	Dec 17, 2024 Time	Leq dB(A)	L90 dB(A)	Dec 17, 2024 Time	Leq dB(A)	L90 dB(A)
04:00 AM - 04:05 AM	40.4	37.1	06:40 AM - 06:45 AM	51.0	43.9	09:20 AM - 09:25 AM	50.4	45.7
04:05 AM - 04:10 AM	41.0	36.5	06:45 AM - 06:50 AM	51.8	46.3	09:25 AM - 09:30 AM	55.1	48.4
04:10 AM - 04:15 AM	42.7	37.2	06:50 AM - 06:55 AM	52.2	45.8	09:30 AM - 09:35 AM	56.6	46.7
04:15 AM - 04:20 AM	46.8	37.4	06:55 AM - 07:00 AM	52.8	48.0	09:35 AM - 09:40 AM	52.9	46.7
04:20 AM - 04:25 AM	41.9	36.2	07:00 AM - 07:05 AM	57.3	48.1	09:40 AM - 09:45 AM	51.7	45.0
04:25 AM - 04:30 AM	43.3	37.0	07:05 AM - 07:10 AM	55.4	51.0	09:45 AM - 09:50 AM	52.7	48.0
04:30 AM - 04:35 AM	41.9	37.5	07:10 AM - 07:15 AM	57.1	51.5	09:50 AM - 09:55 AM	51.7	45.4
04:35 AM - 04:40 AM	44.4	37.3	07:15 AM - 07:20 AM	54.7	49.5	09:55 AM - 10:00 AM	52.7	48.0
04:40 AM - 04:45 AM	45.8	37.3	07:20 AM - 07:25 AM	63.8	50.5	10:00 AM - 10:05 AM	51.4	45.5
04:45 AM - 04:50 AM	42.8	37.3	07:25 AM - 07:30 AM	56.3	51.8	10:05 AM - 10:10 AM	57.9	50.9
04:50 AM - 04:55 AM	43.9	37.5	07:30 AM - 07:35 AM	55.2	51.5	10:10 AM - 10:15 AM	57.1	47.3
04:55 AM - 05:00 AM	47.3	37.4	07:35 AM - 07:40 AM	54.3	50.6	10:15 AM - 10:20 AM	49.1	43.0
05:00 AM - 05:05 AM	44.9	38.1	07:40 AM - 07:45 AM	55.5	50.2	10:20 AM - 10:25 AM	54.4	45.6
05:05 AM - 05:10 AM	45.9	38.7	07:45 AM - 07:50 AM	61.0	50.0	10:25 AM - 10:30 AM	55.1	45.4
05:10 AM - 05:15 AM	44.6	37.8	07:50 AM - 07:55 AM	55.6	49.5	10:30 AM - 10:35 AM	55.1	45.2
05:15 AM - 05:20 AM	48.5	38.0	07:55 AM - 08:00 AM	57.4	49.3	10:35 AM - 10:40 AM	49.1	44.0
05:20 AM - 05:25 AM	46.3	38.2	08:00 AM - 08:05 AM	53.7	49.3	10:40 AM - 10:45 AM	50.9	42.7
05:25 AM - 05:30 AM	46.8	39.0	08:05 AM - 08:10 AM	56.4	48.1	10:45 AM - 10:50 AM	52.7	44.9
05:30 AM - 05:35 AM	49.7	40.5	08:10 AM - 08:15 AM	55.5	50.3	10:50 AM - 10:55 AM	56.2	44.7
05:35 AM - 05:40 AM	47.0	40.0	08:15 AM - 08:20 AM	52.0	46.3	10:55 AM - 11:00 AM	56.8	46.4
05:40 AM - 05:45 AM	47.8	41.3	08:20 AM - 08:25 AM	54.4	49.9	11:00 AM - 11:05 AM	52.5	45.6
05:45 AM - 05:50 AM	49.9	41.2	08:25 AM - 08:30 AM	55.4	49.2	11:05 AM - 11:10 AM	53.1	47.1
05:50 AM - 05:55 AM	53.2	41.7	08:30 AM - 08:35 AM	58.0	48.1	11:10 AM - 11:15 AM	52.5	46.1
05:55 AM - 06:00 AM	54.7	44.4	08:35 AM - 08:40 AM	56.1	48.2	11:15 AM - 11:20 AM	50.7	45.7
06:00 AM - 06:05 AM	54.8	46.0	08:40 AM - 08:45 AM	55.5	45.8	11:20 AM - 11:25 AM	51.5	45.0
06:05 AM - 06:10 AM	55.1	45.8	08:45 AM - 08:50 AM	52.8	46.7	11:25 AM - 11:30 AM	49.9	44.2
06:10 AM - 06:15 AM	52.9	45.4	08:50 AM - 08:55 AM	52.5	47.9	11:30 AM - 11:35 AM	52.3	45.1
06:15 AM - 06:20 AM	52.9	44.0	08:55 AM - 09:00 AM	55.7	47.8	11:35 AM - 11:40 AM	51.2	46.8
06:20 AM - 06:25 AM	51.7	44.0	09:00 AM - 09:05 AM	52.7	45.2	11:40 AM - 11:45 AM	53.0	45.1
06:25 AM - 06:30 AM	50.9	43.6	09:05 AM - 09:10 AM	53.5	48.5	11:45 AM - 11:50 AM	52.7	47.8
06:30 AM - 06:35 AM	53.2	46.6	09:10 AM - 09:15 AM	52.2	44.9	11:50 AM - 11:55 AM	55.0	48.1
06:35 AM - 06:40 AM	51.8	45.7	09:15 AM - 09:20 AM	53.3	46.6	11:55 AM - 12:00 PM	53.6	47.6

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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: 24124990
Date Received :Dec 23, 2024
Date Reported :Dec 25, 2024
Report Number :3201647-1

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

Sample Number 24124990-3
Parameter Noise Level (Leq 5 min)
Location บ้านวังตาลหม่อน (N1) (GPS 47P 0734083, 1432148)
Measurement Date Dec 17 - Dec 18, 2024
Measurement by Panuwat Wangbong
Sound Level meter Serial No. 623393

Dec 17, 2024 Time	Leq dB(A)	L90 dB(A)	Dec 17, 2024 Time	Leq dB(A)	L90 dB(A)	Dec 17, 2024 Time	Leq dB(A)	L90 dB(A)
12:00 PM - 12:05 PM	51.4	46.3	02:40 PM - 02:45 PM	59.3	45.0	05:20 PM - 05:25 PM	53.7	46.7
12:05 PM - 12:10 PM	50.4	44.6	02:45 PM - 02:50 PM	53.4	44.0	05:25 PM - 05:30 PM	51.7	43.3
12:10 PM - 12:15 PM	51.2	44.9	02:50 PM - 02:55 PM	52.8	41.9	05:30 PM - 05:35 PM	50.6	45.0
12:15 PM - 12:20 PM	53.5	41.4	02:55 PM - 03:00 PM	52.6	43.6	05:35 PM - 05:40 PM	51.4	46.7
12:20 PM - 12:25 PM	50.6	40.5	03:00 PM - 03:05 PM	48.6	40.4	05:40 PM - 05:45 PM	53.3	45.8
12:25 PM - 12:30 PM	49.6	42.8	03:05 PM - 03:10 PM	53.0	40.6	05:45 PM - 05:50 PM	53.3	48.9
12:30 PM - 12:35 PM	51.4	44.5	03:10 PM - 03:15 PM	53.8	43.4	05:50 PM - 05:55 PM	52.5	44.8
12:35 PM - 12:40 PM	53.2	44.1	03:15 PM - 03:20 PM	53.4	46.9	05:55 PM - 06:00 PM	55.2	46.7
12:40 PM - 12:45 PM	51.3	43.7	03:20 PM - 03:25 PM	53.6	44.2	06:00 PM - 06:05 PM	63.2	45.1
12:45 PM - 12:50 PM	53.1	43.5	03:25 PM - 03:30 PM	55.2	46.7	06:05 PM - 06:10 PM	51.7	47.1
12:50 PM - 12:55 PM	51.9	42.0	03:30 PM - 03:35 PM	54.8	47.3	06:10 PM - 06:15 PM	58.1	45.6
12:55 PM - 01:00 PM	53.0	44.0	03:35 PM - 03:40 PM	51.7	46.5	06:15 PM - 06:20 PM	52.5	46.2
01:00 PM - 01:05 PM	55.1	52.7	03:40 PM - 03:45 PM	54.9	45.8	06:20 PM - 06:25 PM	51.3	44.7
01:05 PM - 01:10 PM	55.1	52.8	03:45 PM - 03:50 PM	52.9	45.8	06:25 PM - 06:30 PM	52.0	46.2
01:10 PM - 01:15 PM	55.9	52.9	03:50 PM - 03:55 PM	59.6	44.3	06:30 PM - 06:35 PM	53.7	46.2
01:15 PM - 01:20 PM	53.8	44.6	03:55 PM - 04:00 PM	55.7	45.8	06:35 PM - 06:40 PM	51.6	46.0
01:20 PM - 01:25 PM	51.4	44.0	04:00 PM - 04:05 PM	57.9	45.7	06:40 PM - 06:45 PM	50.4	44.7
01:25 PM - 01:30 PM	49.8	41.4	04:05 PM - 04:10 PM	56.2	44.7	06:45 PM - 06:50 PM	50.4	46.7
01:30 PM - 01:35 PM	50.1	43.5	04:10 PM - 04:15 PM	57.0	45.5	06:50 PM - 06:55 PM	50.7	47.3
01:35 PM - 01:40 PM	55.4	43.5	04:15 PM - 04:20 PM	58.8	48.2	06:55 PM - 07:00 PM	51.6	48.0
01:40 PM - 01:45 PM	53.4	43.9	04:20 PM - 04:25 PM	56.4	47.7	07:00 PM - 07:05 PM	52.2	48.3
01:45 PM - 01:50 PM	56.1	44.3	04:25 PM - 04:30 PM	56.8	47.8	07:05 PM - 07:10 PM	53.3	48.4
01:50 PM - 01:55 PM	52.3	44.4	04:30 PM - 04:35 PM	54.8	46.2	07:10 PM - 07:15 PM	51.0	47.5
01:55 PM - 02:00 PM	57.4	43.5	04:35 PM - 04:40 PM	55.9	44.5	07:15 PM - 07:20 PM	51.9	47.6
02:00 PM - 02:05 PM	55.0	43.8	04:40 PM - 04:45 PM	53.5	46.1	07:20 PM - 07:25 PM	51.6	47.6
02:05 PM - 02:10 PM	52.3	42.6	04:45 PM - 04:50 PM	56.7	45.9	07:25 PM - 07:30 PM	51.9	48.3
02:10 PM - 02:15 PM	49.6	40.2	04:50 PM - 04:55 PM	51.7	44.4	07:30 PM - 07:35 PM	51.9	47.8
02:15 PM - 02:20 PM	51.7	43.0	04:55 PM - 05:00 PM	57.2	45.8	07:35 PM - 07:40 PM	51.2	47.7
02:20 PM - 02:25 PM	55.8	46.2	05:00 PM - 05:05 PM	52.9	45.1	07:40 PM - 07:45 PM	50.8	46.8
02:25 PM - 02:30 PM	56.8	45.5	05:05 PM - 05:10 PM	55.4	45.6	07:45 PM - 07:50 PM	52.2	47.0
02:30 PM - 02:35 PM	57.2	45.2	05:10 PM - 05:15 PM	55.3	47.4	07:50 PM - 07:55 PM	50.7	47.1
02:35 PM - 02:40 PM	53.4	45.0	05:15 PM - 05:20 PM	55.3	47.1	07:55 PM - 08:00 PM	50.7	46.8

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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: 24124990
Date Received :Dec 23, 2024
Date Reported :Dec 25, 2024
Report Number :3201647-1

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

Sample Number 24124990-3
Parameter Noise Level (Leq 5 min)
Location **บ้านวังตาลหม่อน** (N1) (GPS 47P 0734083, 1432148)
Measurement Date Dec 17 - Dec 18, 2024
Measurement by Panuwat Wangbong
Sound Level meter Serial No. 623393

Dec 17, 2024 Time	Leq dB(A)	L90 dB(A)	Dec 17 - Dec 18, 2024 Time	Leq dB(A)	L90 dB(A)	Dec 18, 2024 Time	Leq dB(A)	L90 dB(A)
08:00 PM - 08:05 PM	52.1	48.0	10:40 PM - 10:45 PM	50.9	39.3	01:20 AM - 01:25 AM	43.1	35.8
08:05 PM - 08:10 PM	52.3	48.8	10:45 PM - 10:50 PM	46.5	39.1	01:25 AM - 01:30 AM	41.1	36.0
08:10 PM - 08:15 PM	53.2	49.6	10:50 PM - 10:55 PM	44.3	38.0	01:30 AM - 01:35 AM	42.8	36.8
08:15 PM - 08:20 PM	52.9	49.4	10:55 PM - 11:00 PM	48.2	38.9	01:35 AM - 01:40 AM	43.5	36.8
08:20 PM - 08:25 PM	52.0	48.6	11:00 PM - 11:05 PM	50.0	38.5	01:40 AM - 01:45 AM	62.4	36.9
08:25 PM - 08:30 PM	51.8	47.4	11:05 PM - 11:10 PM	60.4	38.1	01:45 AM - 01:50 AM	40.4	35.9
08:30 PM - 08:35 PM	50.0	46.8	11:10 PM - 11:15 PM	60.1	37.1	01:50 AM - 01:55 AM	46.7	37.0
08:35 PM - 08:40 PM	57.2	47.9	11:15 PM - 11:20 PM	48.8	37.2	01:55 AM - 02:00 AM	61.8	36.8
08:40 PM - 08:45 PM	49.4	41.5	11:20 PM - 11:25 PM	41.8	36.8	02:00 AM - 02:05 AM	47.2	36.1
08:45 PM - 08:50 PM	49.9	41.8	11:25 PM - 11:30 PM	43.3	37.5	02:05 AM - 02:10 AM	38.8	36.9
08:50 PM - 08:55 PM	48.1	40.5	11:30 PM - 11:35 PM	47.3	37.1	02:10 AM - 02:15 AM	39.6	36.6
08:55 PM - 09:00 PM	49.9	45.8	11:35 PM - 11:40 PM	47.0	36.7	02:15 AM - 02:20 AM	52.8	37.1
09:00 PM - 09:05 PM	49.2	45.3	11:40 PM - 11:45 PM	43.1	37.3	02:20 AM - 02:25 AM	59.0	37.2
09:05 PM - 09:10 PM	49.0	45.2	11:45 PM - 11:50 PM	45.8	37.2	02:25 AM - 02:30 AM	51.2	36.1
09:10 PM - 09:15 PM	49.4	43.2	11:50 PM - 11:55 PM	43.7	36.5	02:30 AM - 02:35 AM	54.9	36.7
09:15 PM - 09:20 PM	48.9	41.9	11:55 PM - 12:00 AM	43.6	36.5	02:35 AM - 02:40 AM	59.4	39.1
09:20 PM - 09:25 PM	49.0	43.4	12:00 AM - 12:05 AM	48.1	37.0	02:40 AM - 02:45 AM	53.0	36.1
09:25 PM - 09:30 PM	49.4	41.3	12:05 AM - 12:10 AM	46.1	36.7	02:45 AM - 02:50 AM	54.0	36.5
09:30 PM - 09:35 PM	50.3	41.8	12:10 AM - 12:15 AM	44.9	36.2	02:50 AM - 02:55 AM	47.0	35.5
09:35 PM - 09:40 PM	48.6	40.1	12:15 AM - 12:20 AM	48.2	36.9	02:55 AM - 03:00 AM	39.6	35.6
09:40 PM - 09:45 PM	60.8	38.1	12:20 AM - 12:25 AM	44.0	35.0	03:00 AM - 03:05 AM	42.9	35.9
09:45 PM - 09:50 PM	49.0	45.4	12:25 AM - 12:30 AM	43.4	35.3	03:05 AM - 03:10 AM	42.1	35.3
09:50 PM - 09:55 PM	49.6	46.7	12:30 AM - 12:35 AM	42.6	35.3	03:10 AM - 03:15 AM	39.0	35.9
09:55 PM - 10:00 PM	48.9	46.1	12:35 AM - 12:40 AM	50.6	36.4	03:15 AM - 03:20 AM	41.9	36.0
10:00 PM - 10:05 PM	49.8	46.2	12:40 AM - 12:45 AM	45.2	36.6	03:20 AM - 03:25 AM	50.2	36.0
10:05 PM - 10:10 PM	46.0	38.4	12:45 AM - 12:50 AM	53.7	38.8	03:25 AM - 03:30 AM	46.7	36.0
10:10 PM - 10:15 PM	51.7	40.3	12:50 AM - 12:55 AM	61.8	37.8	03:30 AM - 03:35 AM	45.0	36.3
10:15 PM - 10:20 PM	47.8	39.1	12:55 AM - 01:00 AM	59.1	35.1	03:35 AM - 03:40 AM	42.3	35.9
10:20 PM - 10:25 PM	50.3	45.7	01:00 AM - 01:05 AM	50.2	38.5	03:40 AM - 03:45 AM	42.5	35.9
10:25 PM - 10:30 PM	47.5	44.8	01:05 AM - 01:10 AM	44.6	36.0	03:45 AM - 03:50 AM	46.0	36.0
10:30 PM - 10:35 PM	47.7	40.4	01:10 AM - 01:15 AM	38.6	35.3	03:50 AM - 03:55 AM	47.4	36.0
10:35 PM - 10:40 PM	46.3	39.0	01:15 AM - 01:20 AM	43.3	36.0	03:55 AM - 04:00 AM	42.2	36.3

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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: 24124990
Date Received :Dec 23, 2024
Date Reported :Dec 25, 2024
Report Number :3201647-1

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

Sample Number	24124990-3
Parameter	Noise Level (Leq 5 min)
Location	บ้านวังตาลหม่อน (N1) (GPS 47P 0734083, 1432148)
Measurement Date	Dec 17 - Dec 18, 2024
Measurement by	Panuwat Wangbong
Sound Level meter	Serial No. 623393

Dec 18, 2024 Time	Leq dB(A)	L90 dB(A)	Dec 18, 2024 Time	Leq dB(A)	L90 dB(A)	Dec 18, 2024 Time	Leq dB(A)	L90 dB(A)
04:00 AM - 04:05 AM	42.8	36.7	06:40 AM - 06:45 AM	53.1	48.7	09:20 AM - 09:25 AM	55.0	47.5
04:05 AM - 04:10 AM	43.4	36.2	06:45 AM - 06:50 AM	54.1	48.3	09:25 AM - 09:30 AM	54.1	48.3
04:10 AM - 04:15 AM	44.2	36.4	06:50 AM - 06:55 AM	53.7	46.6	09:30 AM - 09:35 AM	56.2	49.9
04:15 AM - 04:20 AM	45.5	37.0	06:55 AM - 07:00 AM	52.3	47.5	09:35 AM - 09:40 AM	55.2	48.8
04:20 AM - 04:25 AM	45.1	38.2	07:00 AM - 07:05 AM	56.3	49.6	09:40 AM - 09:45 AM	52.9	47.4
04:25 AM - 04:30 AM	45.5	36.6	07:05 AM - 07:10 AM	54.6	50.0	09:45 AM - 09:50 AM	56.0	46.3
04:30 AM - 04:35 AM	45.6	36.7	07:10 AM - 07:15 AM	53.7	49.1	09:50 AM - 09:55 AM	55.4	44.6
04:35 AM - 04:40 AM	44.7	36.9	07:15 AM - 07:20 AM	54.7	50.8	09:55 AM - 10:00 AM	54.7	45.8
04:40 AM - 04:45 AM	44.1	36.8	07:20 AM - 07:25 AM	56.0	52.5	10:00 AM - 10:05 AM	56.0	44.9
04:45 AM - 04:50 AM	44.6	37.2	07:25 AM - 07:30 AM	55.8	51.3	10:05 AM - 10:10 AM	53.8	48.2
04:50 AM - 04:55 AM	44.6	37.1	07:30 AM - 07:35 AM	56.0	51.1	10:10 AM - 10:15 AM	53.5	45.8
04:55 AM - 05:00 AM	46.5	37.3	07:35 AM - 07:40 AM	54.3	50.0	10:15 AM - 10:20 AM	54.5	48.7
05:00 AM - 05:05 AM	47.6	38.8	07:40 AM - 07:45 AM	69.2	54.0	10:20 AM - 10:25 AM	56.9	48.6
05:05 AM - 05:10 AM	46.4	38.8	07:45 AM - 07:50 AM	71.9	51.2	10:25 AM - 10:30 AM	54.9	46.5
05:10 AM - 05:15 AM	46.4	38.6	07:50 AM - 07:55 AM	58.1	49.4	10:30 AM - 10:35 AM	55.5	47.2
05:15 AM - 05:20 AM	47.2	38.6	07:55 AM - 08:00 AM	54.9	49.0	10:35 AM - 10:40 AM	53.0	45.7
05:20 AM - 05:25 AM	52.1	40.1	08:00 AM - 08:05 AM	53.1	48.1	10:40 AM - 10:45 AM	51.4	46.5
05:25 AM - 05:30 AM	49.4	39.0	08:05 AM - 08:10 AM	55.5	49.6	10:45 AM - 10:50 AM	51.6	44.8
05:30 AM - 05:35 AM	48.2	40.0	08:10 AM - 08:15 AM	57.7	51.6	10:50 AM - 10:55 AM	55.3	46.5
05:35 AM - 05:40 AM	47.9	39.6	08:15 AM - 08:20 AM	57.5	49.4	10:55 AM - 11:00 AM	55.5	46.1
05:40 AM - 05:45 AM	49.8	40.4	08:20 AM - 08:25 AM	55.2	48.6	11:00 AM - 11:05 AM	51.6	44.8
05:45 AM - 05:50 AM	49.9	43.7	08:25 AM - 08:30 AM	58.2	47.5	11:05 AM - 11:10 AM	54.4	45.2
05:50 AM - 05:55 AM	59.1	44.7	08:30 AM - 08:35 AM	58.5	47.1	11:10 AM - 11:15 AM	56.3	47.2
05:55 AM - 06:00 AM	58.2	45.7	08:35 AM - 08:40 AM	58.8	46.0	11:15 AM - 11:20 AM	50.4	44.5
06:00 AM - 06:05 AM	60.0	46.7	08:40 AM - 08:45 AM	59.6	46.5	11:20 AM - 11:25 AM	50.7	45.0
06:05 AM - 06:10 AM	53.6	46.0	08:45 AM - 08:50 AM	59.9	47.4	11:25 AM - 11:30 AM	55.8	47.0
06:10 AM - 06:15 AM	57.2	47.4	08:50 AM - 08:55 AM	55.2	48.7	11:30 AM - 11:35 AM	52.6	47.1
06:15 AM - 06:20 AM	52.9	45.0	08:55 AM - 09:00 AM	57.5	47.9	11:35 AM - 11:40 AM	55.4	48.1
06:20 AM - 06:25 AM	50.2	45.0	09:00 AM - 09:05 AM	55.6	46.2	11:40 AM - 11:45 AM	53.4	46.8
06:25 AM - 06:30 AM	53.4	46.4	09:05 AM - 09:10 AM	56.4	47.9	11:45 AM - 11:50 AM	52.7	47.4
06:30 AM - 06:35 AM	51.7	43.5	09:10 AM - 09:15 AM	55.4	46.6	11:50 AM - 11:55 AM	52.1	46.1
06:35 AM - 06:40 AM	53.1	46.4	09:15 AM - 09:20 AM	53.4	45.2	11:55 AM - 12:00 PM	51.0	44.8

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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: 24124990
Date Received :Dec 23, 2024
Date Reported :Dec 25, 2024
Report Number :3201648-1

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

Sample Number 24124990-4
Parameter Noise Level (Leq 5 min)
Location บ้านวังตาลหม่อน (N1) (GPS 47P 0734083, 1432148)
Measurement Date Dec 18 - Dec 19, 2024
Measurement by Panuwat Wangbong
Sound Level meter Serial No. 623393

Dec 18, 2024 Time	Leq dB(A)	L90 dB(A)	Dec 18, 2024 Time	Leq dB(A)	L90 dB(A)	Dec 18, 2024 Time	Leq dB(A)	L90 dB(A)
12:00 PM - 12:05 PM	52.2	44.7	02:40 PM - 02:45 PM	52.4	44.5	05:20 PM - 05:25 PM	53.0	46.4
12:05 PM - 12:10 PM	50.7	45.9	02:45 PM - 02:50 PM	53.8	46.2	05:25 PM - 05:30 PM	56.1	45.3
12:10 PM - 12:15 PM	50.0	43.7	02:50 PM - 02:55 PM	52.7	42.8	05:30 PM - 05:35 PM	53.7	44.3
12:15 PM - 12:20 PM	50.9	44.9	02:55 PM - 03:00 PM	54.6	48.6	05:35 PM - 05:40 PM	53.2	46.5
12:20 PM - 12:25 PM	51.4	46.3	03:00 PM - 03:05 PM	54.4	49.1	05:40 PM - 05:45 PM	52.7	47.7
12:25 PM - 12:30 PM	50.0	44.3	03:05 PM - 03:10 PM	56.2	47.4	05:45 PM - 05:50 PM	52.1	46.8
12:30 PM - 12:35 PM	51.1	47.5	03:10 PM - 03:15 PM	54.4	48.5	05:50 PM - 05:55 PM	56.4	47.9
12:35 PM - 12:40 PM	50.5	46.0	03:15 PM - 03:20 PM	52.9	47.6	05:55 PM - 06:00 PM	52.8	44.3
12:40 PM - 12:45 PM	50.6	45.3	03:20 PM - 03:25 PM	52.9	44.8	06:00 PM - 06:05 PM	59.5	44.0
12:45 PM - 12:50 PM	52.4	43.5	03:25 PM - 03:30 PM	53.5	46.9	06:05 PM - 06:10 PM	52.4	42.3
12:50 PM - 12:55 PM	49.8	42.6	03:30 PM - 03:35 PM	53.4	45.6	06:10 PM - 06:15 PM	50.0	42.6
12:55 PM - 01:00 PM	52.3	44.2	03:35 PM - 03:40 PM	55.4	45.2	06:15 PM - 06:20 PM	49.4	43.0
01:00 PM - 01:05 PM	51.5	44.6	03:40 PM - 03:45 PM	54.2	46.8	06:20 PM - 06:25 PM	50.1	41.4
01:05 PM - 01:10 PM	52.3	45.2	03:45 PM - 03:50 PM	54.3	48.0	06:25 PM - 06:30 PM	48.4	41.0
01:10 PM - 01:15 PM	52.9	47.1	03:50 PM - 03:55 PM	56.2	45.6	06:30 PM - 06:35 PM	51.2	46.3
01:15 PM - 01:20 PM	52.8	45.4	03:55 PM - 04:00 PM	52.6	46.9	06:35 PM - 06:40 PM	51.9	45.7
01:20 PM - 01:25 PM	57.5	49.0	04:00 PM - 04:05 PM	57.2	47.6	06:40 PM - 06:45 PM	50.7	46.8
01:25 PM - 01:30 PM	53.4	45.5	04:05 PM - 04:10 PM	55.0	48.5	06:45 PM - 06:50 PM	51.2	46.0
01:30 PM - 01:35 PM	57.0	45.2	04:10 PM - 04:15 PM	55.6	47.5	06:50 PM - 06:55 PM	49.6	45.0
01:35 PM - 01:40 PM	54.3	45.9	04:15 PM - 04:20 PM	55.0	47.9	06:55 PM - 07:00 PM	50.4	45.8
01:40 PM - 01:45 PM	52.6	45.4	04:20 PM - 04:25 PM	54.1	45.9	07:00 PM - 07:05 PM	51.0	45.8
01:45 PM - 01:50 PM	52.3	47.6	04:25 PM - 04:30 PM	53.0	45.5	07:05 PM - 07:10 PM	53.2	45.6
01:50 PM - 01:55 PM	50.8	44.8	04:30 PM - 04:35 PM	53.3	47.5	07:10 PM - 07:15 PM	54.8	43.8
01:55 PM - 02:00 PM	54.1	45.7	04:35 PM - 04:40 PM	54.4	46.3	07:15 PM - 07:20 PM	49.9	43.8
02:00 PM - 02:05 PM	51.3	45.8	04:40 PM - 04:45 PM	52.8	47.2	07:20 PM - 07:25 PM	50.2	44.1
02:05 PM - 02:10 PM	53.5	47.1	04:45 PM - 04:50 PM	52.0	46.0	07:25 PM - 07:30 PM	52.7	44.5
02:10 PM - 02:15 PM	59.5	47.4	04:50 PM - 04:55 PM	54.8	46.7	07:30 PM - 07:35 PM	49.5	44.0
02:15 PM - 02:20 PM	50.3	45.7	04:55 PM - 05:00 PM	54.9	45.5	07:35 PM - 07:40 PM	49.8	45.2
02:20 PM - 02:25 PM	51.9	45.9	05:00 PM - 05:05 PM	50.6	45.6	07:40 PM - 07:45 PM	50.9	43.9
02:25 PM - 02:30 PM	53.3	46.5	05:05 PM - 05:10 PM	53.6	45.5	07:45 PM - 07:50 PM	49.6	42.2
02:30 PM - 02:35 PM	51.4	46.0	05:10 PM - 05:15 PM	52.2	46.9	07:50 PM - 07:55 PM	50.2	42.0
02:35 PM - 02:40 PM	51.9	46.3	05:15 PM - 05:20 PM	53.7	47.1	07:55 PM - 08:00 PM	48.0	41.3

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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: 24124990
Date Received :Dec 23, 2024
Date Reported :Dec 25, 2024
Report Number :3201648-1

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

Sample Number 24124990-4
Parameter Noise Level (Leq 5 min)
Location **บ้านวังตาลหม่อน** (N1) (GPS 47P 0734083, 1432148)
Measurement Date Dec 18 - Dec 19, 2024
Measurement by Panuwat Wangbong
Sound Level meter Serial No. 623393

Dec 18, 2024 Time	Leq dB(A)	L90 dB(A)	Dec 18 - Dec 19, 2024 Time	Leq dB(A)	L90 dB(A)	Dec 19, 2024 Time	Leq dB(A)	L90 dB(A)
08:00 PM - 08:05 PM	49.7	42.0	10:40 PM - 10:45 PM	48.0	40.0	01:20 AM - 01:25 AM	41.8	36.5
08:05 PM - 08:10 PM	52.8	46.6	10:45 PM - 10:50 PM	43.2	37.8	01:25 AM - 01:30 AM	52.4	36.3
08:10 PM - 08:15 PM	53.2	46.9	10:50 PM - 10:55 PM	44.7	38.0	01:30 AM - 01:35 AM	50.7	37.7
08:15 PM - 08:20 PM	51.5	46.4	10:55 PM - 11:00 PM	52.3	38.2	01:35 AM - 01:40 AM	47.6	37.4
08:20 PM - 08:25 PM	51.3	44.8	11:00 PM - 11:05 PM	46.2	38.1	01:40 AM - 01:45 AM	42.3	37.0
08:25 PM - 08:30 PM	51.5	45.9	11:05 PM - 11:10 PM	55.3	38.0	01:45 AM - 01:50 AM	48.3	37.2
08:30 PM - 08:35 PM	50.8	45.4	11:10 PM - 11:15 PM	49.6	40.0	01:50 AM - 01:55 AM	49.1	36.4
08:35 PM - 08:40 PM	50.2	44.0	11:15 PM - 11:20 PM	46.8	40.3	01:55 AM - 02:00 AM	52.5	36.2
08:40 PM - 08:45 PM	50.4	43.8	11:20 PM - 11:25 PM	45.8	40.6	02:00 AM - 02:05 AM	37.7	35.7
08:45 PM - 08:50 PM	49.6	43.7	11:25 PM - 11:30 PM	50.1	41.2	02:05 AM - 02:10 AM	39.5	36.2
08:50 PM - 08:55 PM	60.7	42.1	11:30 PM - 11:35 PM	44.6	39.8	02:10 AM - 02:15 AM	49.7	35.9
08:55 PM - 09:00 PM	47.8	41.6	11:35 PM - 11:40 PM	44.4	38.5	02:15 AM - 02:20 AM	41.0	36.1
09:00 PM - 09:05 PM	49.1	40.5	11:40 PM - 11:45 PM	44.8	38.6	02:20 AM - 02:25 AM	44.4	35.4
09:05 PM - 09:10 PM	48.0	41.7	11:45 PM - 11:50 PM	43.4	38.9	02:25 AM - 02:30 AM	40.9	36.0
09:10 PM - 09:15 PM	49.5	44.3	11:50 PM - 11:55 PM	44.2	39.4	02:30 AM - 02:35 AM	39.6	36.2
09:15 PM - 09:20 PM	51.4	43.7	11:55 PM - 12:00 AM	44.6	38.8	02:35 AM - 02:40 AM	37.7	36.1
09:20 PM - 09:25 PM	50.6	42.6	12:00 AM - 12:05 AM	48.5	39.4	02:40 AM - 02:45 AM	41.1	36.2
09:25 PM - 09:30 PM	49.6	42.0	12:05 AM - 12:10 AM	43.4	38.0	02:45 AM - 02:50 AM	38.2	35.4
09:30 PM - 09:35 PM	46.1	40.0	12:10 AM - 12:15 AM	43.0	38.2	02:50 AM - 02:55 AM	41.2	35.6
09:35 PM - 09:40 PM	48.1	41.5	12:15 AM - 12:20 AM	42.4	38.1	02:55 AM - 03:00 AM	36.6	35.7
09:40 PM - 09:45 PM	47.0	40.2	12:20 AM - 12:25 AM	45.1	38.5	03:00 AM - 03:05 AM	45.2	35.7
09:45 PM - 09:50 PM	47.2	38.6	12:25 AM - 12:30 AM	51.0	40.1	03:05 AM - 03:10 AM	41.1	36.1
09:50 PM - 09:55 PM	46.5	40.0	12:30 AM - 12:35 AM	42.7	38.4	03:10 AM - 03:15 AM	45.8	35.8
09:55 PM - 10:00 PM	47.3	40.2	12:35 AM - 12:40 AM	41.3	38.5	03:15 AM - 03:20 AM	38.5	35.5
10:00 PM - 10:05 PM	46.0	39.9	12:40 AM - 12:45 AM	43.5	38.9	03:20 AM - 03:25 AM	44.0	36.9
10:05 PM - 10:10 PM	47.8	40.1	12:45 AM - 12:50 AM	42.9	38.2	03:25 AM - 03:30 AM	42.8	36.0
10:10 PM - 10:15 PM	46.8	39.3	12:50 AM - 12:55 AM	42.7	39.0	03:30 AM - 03:35 AM	42.0	36.1
10:15 PM - 10:20 PM	47.9	41.2	12:55 AM - 01:00 AM	41.7	38.0	03:35 AM - 03:40 AM	51.2	36.3
10:20 PM - 10:25 PM	46.4	39.8	01:00 AM - 01:05 AM	44.7	38.5	03:40 AM - 03:45 AM	40.2	36.2
10:25 PM - 10:30 PM	45.7	38.6	01:05 AM - 01:10 AM	44.9	39.0	03:45 AM - 03:50 AM	41.5	36.4
10:30 PM - 10:35 PM	46.5	38.2	01:10 AM - 01:15 AM	41.2	37.9	03:50 AM - 03:55 AM	41.4	36.8
10:35 PM - 10:40 PM	48.1	38.2	01:15 AM - 01:20 AM	48.4	37.8	03:55 AM - 04:00 AM	43.8	36.9

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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: 24124990
Date Received :Dec 23, 2024
Date Reported :Dec 25, 2024
Report Number :3201648-1

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

Sample Number 24124990-4
Parameter Noise Level (Leq 5 min)
Location **บ้านวังตาลหม่อน** (N1) (GPS 47P 0734083, 1432148)
Measurement Date Dec 18 - Dec 19, 2024
Measurement by Panuwat Wangbong
Sound Level meter Serial No. 623393

Dec 19, 2024 Time	Leq dB(A)	L90 dB(A)	Dec 19, 2024 Time	Leq dB(A)	L90 dB(A)	Dec 19, 2024 Time	Leq dB(A)	L90 dB(A)
04:00 AM - 04:05 AM	51.9	37.1	06:40 AM - 06:45 AM	50.8	46.0	09:20 AM - 09:25 AM	56.8	53.0
04:05 AM - 04:10 AM	41.3	36.3	06:45 AM - 06:50 AM	52.1	45.8	09:25 AM - 09:30 AM	53.1	47.3
04:10 AM - 04:15 AM	38.4	36.2	06:50 AM - 06:55 AM	52.8	46.9	09:30 AM - 09:35 AM	53.4	46.9
04:15 AM - 04:20 AM	39.5	36.5	06:55 AM - 07:00 AM	56.0	48.7	09:35 AM - 09:40 AM	55.1	51.3
04:20 AM - 04:25 AM	41.0	36.4	07:00 AM - 07:05 AM	61.2	47.7	09:40 AM - 09:45 AM	56.6	51.5
04:25 AM - 04:30 AM	41.8	36.8	07:05 AM - 07:10 AM	54.1	49.8	09:45 AM - 09:50 AM	56.2	51.2
04:30 AM - 04:35 AM	44.2	36.7	07:10 AM - 07:15 AM	60.5	50.2	09:50 AM - 09:55 AM	56.7	52.5
04:35 AM - 04:40 AM	42.3	37.4	07:15 AM - 07:20 AM	55.2	50.9	09:55 AM - 10:00 AM	57.8	52.9
04:40 AM - 04:45 AM	45.3	38.2	07:20 AM - 07:25 AM	56.6	50.1	10:00 AM - 10:05 AM	56.2	52.9
04:45 AM - 04:50 AM	40.7	37.5	07:25 AM - 07:30 AM	54.8	51.4	10:05 AM - 10:10 AM	56.3	53.5
04:50 AM - 04:55 AM	43.4	38.0	07:30 AM - 07:35 AM	56.0	51.1	10:10 AM - 10:15 AM	55.1	51.2
04:55 AM - 05:00 AM	45.7	39.5	07:35 AM - 07:40 AM	54.7	50.3	10:15 AM - 10:20 AM	55.4	51.1
05:00 AM - 05:05 AM	47.7	40.1	07:40 AM - 07:45 AM	55.0	49.6	10:20 AM - 10:25 AM	56.8	53.1
05:05 AM - 05:10 AM	44.5	39.8	07:45 AM - 07:50 AM	55.6	49.6	10:25 AM - 10:30 AM	54.0	48.1
05:10 AM - 05:15 AM	46.7	40.0	07:50 AM - 07:55 AM	54.5	50.7	10:30 AM - 10:35 AM	56.5	51.9
05:15 AM - 05:20 AM	44.2	39.1	07:55 AM - 08:00 AM	54.1	49.5	10:35 AM - 10:40 AM	54.5	50.1
05:20 AM - 05:25 AM	53.2	39.0	08:00 AM - 08:05 AM	55.0	50.3	10:40 AM - 10:45 AM	55.1	50.7
05:25 AM - 05:30 AM	49.8	39.5	08:05 AM - 08:10 AM	66.1	50.2	10:45 AM - 10:50 AM	53.6	48.3
05:30 AM - 05:35 AM	46.1	39.2	08:10 AM - 08:15 AM	72.4	50.8	10:50 AM - 10:55 AM	57.5	51.2
05:35 AM - 05:40 AM	47.5	39.3	08:15 AM - 08:20 AM	59.6	50.4	10:55 AM - 11:00 AM	56.1	50.8
05:40 AM - 05:45 AM	50.2	39.6	08:20 AM - 08:25 AM	56.8	50.4	11:00 AM - 11:05 AM	55.7	51.1
05:45 AM - 05:50 AM	48.2	40.7	08:25 AM - 08:30 AM	53.6	48.1	11:05 AM - 11:10 AM	58.0	53.8
05:50 AM - 05:55 AM	50.3	42.1	08:30 AM - 08:35 AM	54.7	51.2	11:10 AM - 11:15 AM	54.4	49.5
05:55 AM - 06:00 AM	54.7	46.2	08:35 AM - 08:40 AM	57.0	48.3	11:15 AM - 11:20 AM	56.9	52.0
06:00 AM - 06:05 AM	53.8	44.7	08:40 AM - 08:45 AM	53.6	48.2	11:20 AM - 11:25 AM	56.6	52.7
06:05 AM - 06:10 AM	53.2	44.3	08:45 AM - 08:50 AM	55.8	48.1	11:25 AM - 11:30 AM	56.1	51.4
06:10 AM - 06:15 AM	50.4	44.6	08:50 AM - 08:55 AM	57.2	49.0	11:30 AM - 11:35 AM	56.6	49.2
06:15 AM - 06:20 AM	53.4	45.5	08:55 AM - 09:00 AM	54.4	48.0	11:35 AM - 11:40 AM	54.8	48.7
06:20 AM - 06:25 AM	50.3	45.0	09:00 AM - 09:05 AM	53.4	48.3	11:40 AM - 11:45 AM	53.7	47.9
06:25 AM - 06:30 AM	58.8	43.9	09:05 AM - 09:10 AM	53.6	47.3	11:45 AM - 11:50 AM	52.3	49.4
06:30 AM - 06:35 AM	52.3	44.5	09:10 AM - 09:15 AM	56.6	52.2	11:50 AM - 11:55 AM	56.9	49.8
06:35 AM - 06:40 AM	52.9	44.6	09:15 AM - 09:20 AM	57.5	53.1	11:55 AM - 12:00 PM	53.3	48.1

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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: 24124990
Date Received :Dec 23, 2024
Date Reported :Dec 25, 2024
Report Number :3201649-1

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

Sample Number 24124990-5
Parameter Noise Level (Leq 5 min)
Location บ้านวังตาลหม่อน (N1) (GPS 47P 0734083, 1432148)
Measurement Date Dec 19 - Dec 20, 2024
Measurement by Panuwat Wangbong
Sound Level meter Serial No. 623393

Dec 19, 2024 Time	Leq dB(A)	L90 dB(A)	Dec 19, 2024 Time	Leq dB(A)	L90 dB(A)	Dec 19, 2024 Time	Leq dB(A)	L90 dB(A)
12:00 PM - 12:05 PM	55.2	48.4	02:40 PM - 02:45 PM	53.0	46.5	05:20 PM - 05:25 PM	56.1	47.9
12:05 PM - 12:10 PM	51.3	46.3	02:45 PM - 02:50 PM	51.9	44.9	05:25 PM - 05:30 PM	52.6	48.7
12:10 PM - 12:15 PM	52.5	48.4	02:50 PM - 02:55 PM	51.5	46.7	05:30 PM - 05:35 PM	53.8	46.8
12:15 PM - 12:20 PM	53.0	47.4	02:55 PM - 03:00 PM	53.0	46.3	05:35 PM - 05:40 PM	51.5	45.2
12:20 PM - 12:25 PM	54.3	51.1	03:00 PM - 03:05 PM	52.3	47.0	05:40 PM - 05:45 PM	55.8	47.9
12:25 PM - 12:30 PM	52.3	49.0	03:05 PM - 03:10 PM	51.9	44.2	05:45 PM - 05:50 PM	57.3	47.5
12:30 PM - 12:35 PM	53.4	47.8	03:10 PM - 03:15 PM	54.1	47.0	05:50 PM - 05:55 PM	53.5	46.8
12:35 PM - 12:40 PM	56.9	49.7	03:15 PM - 03:20 PM	53.3	47.9	05:55 PM - 06:00 PM	58.8	47.6
12:40 PM - 12:45 PM	52.5	47.6	03:20 PM - 03:25 PM	51.7	47.0	06:00 PM - 06:05 PM	56.2	48.2
12:45 PM - 12:50 PM	55.5	48.9	03:25 PM - 03:30 PM	52.8	47.6	06:05 PM - 06:10 PM	57.6	47.1
12:50 PM - 12:55 PM	54.2	45.8	03:30 PM - 03:35 PM	52.5	47.3	06:10 PM - 06:15 PM	53.4	45.2
12:55 PM - 01:00 PM	54.8	47.5	03:35 PM - 03:40 PM	51.9	44.8	06:15 PM - 06:20 PM	53.4	43.4
01:00 PM - 01:05 PM	52.8	46.7	03:40 PM - 03:45 PM	53.4	47.9	06:20 PM - 06:25 PM	52.7	44.6
01:05 PM - 01:10 PM	51.1	45.5	03:45 PM - 03:50 PM	54.1	46.3	06:25 PM - 06:30 PM	56.5	45.1
01:10 PM - 01:15 PM	52.5	46.2	03:50 PM - 03:55 PM	54.2	45.8	06:30 PM - 06:35 PM	51.5	43.6
01:15 PM - 01:20 PM	54.6	47.9	03:55 PM - 04:00 PM	54.2	44.5	06:35 PM - 06:40 PM	53.6	45.1
01:20 PM - 01:25 PM	54.6	48.2	04:00 PM - 04:05 PM	51.8	43.3	06:40 PM - 06:45 PM	56.6	45.5
01:25 PM - 01:30 PM	54.5	48.0	04:05 PM - 04:10 PM	51.5	45.2	06:45 PM - 06:50 PM	51.0	45.1
01:30 PM - 01:35 PM	55.9	51.2	04:10 PM - 04:15 PM	53.3	46.6	06:50 PM - 06:55 PM	51.8	44.0
01:35 PM - 01:40 PM	54.6	46.2	04:15 PM - 04:20 PM	54.7	47.3	06:55 PM - 07:00 PM	49.9	43.0
01:40 PM - 01:45 PM	51.6	46.6	04:20 PM - 04:25 PM	51.9	47.1	07:00 PM - 07:05 PM	48.7	43.3
01:45 PM - 01:50 PM	51.8	47.7	04:25 PM - 04:30 PM	53.1	47.2	07:05 PM - 07:10 PM	50.5	45.1
01:50 PM - 01:55 PM	52.1	45.7	04:30 PM - 04:35 PM	53.2	45.7	07:10 PM - 07:15 PM	53.8	45.8
01:55 PM - 02:00 PM	53.7	48.4	04:35 PM - 04:40 PM	50.1	45.3	07:15 PM - 07:20 PM	48.5	44.1
02:00 PM - 02:05 PM	53.1	47.0	04:40 PM - 04:45 PM	52.8	46.4	07:20 PM - 07:25 PM	53.8	46.6
02:05 PM - 02:10 PM	51.0	45.4	04:45 PM - 04:50 PM	54.6	46.9	07:25 PM - 07:30 PM	49.9	44.1
02:10 PM - 02:15 PM	51.9	47.1	04:50 PM - 04:55 PM	54.1	47.2	07:30 PM - 07:35 PM	50.5	44.5
02:15 PM - 02:20 PM	66.7	45.9	04:55 PM - 05:00 PM	54.2	46.3	07:35 PM - 07:40 PM	49.7	45.2
02:20 PM - 02:25 PM	64.0	46.8	05:00 PM - 05:05 PM	56.1	48.4	07:40 PM - 07:45 PM	49.1	44.4
02:25 PM - 02:30 PM	52.8	48.0	05:05 PM - 05:10 PM	54.1	47.9	07:45 PM - 07:50 PM	48.8	42.6
02:30 PM - 02:35 PM	54.1	47.3	05:10 PM - 05:15 PM	52.3	46.3	07:50 PM - 07:55 PM	48.4	44.7
02:35 PM - 02:40 PM	51.8	44.4	05:15 PM - 05:20 PM	54.9	48.4	07:55 PM - 08:00 PM	49.6	43.6

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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: 24124990
Date Received :Dec 23, 2024
Date Reported :Dec 25, 2024
Report Number :3201649-1

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

Sample Number 24124990-5
Parameter Noise Level (Leq 5 min)
Location **บ้านวังตาลหม่อน** (N1) (GPS 47P 0734083, 1432148)
Measurement Date Dec 19 - Dec 20, 2024
Measurement by Panuwat Wangbong
Sound Level meter Serial No. 623393

Dec 19, 2024 Time	Leq dB(A)	L90 dB(A)	Dec 19 - Dec 20, 2024 Time	Leq dB(A)	L90 dB(A)	Dec 20, 2024 Time	Leq dB(A)	L90 dB(A)
08:00 PM - 08:05 PM	58.7	41.3	10:40 PM - 10:45 PM	47.5	38.7	01:20 AM - 01:25 AM	42.5	35.8
08:05 PM - 08:10 PM	56.4	46.3	10:45 PM - 10:50 PM	44.4	37.0	01:25 AM - 01:30 AM	51.4	36.1
08:10 PM - 08:15 PM	52.4	47.4	10:50 PM - 10:55 PM	44.5	37.2	01:30 AM - 01:35 AM	40.1	36.3
08:15 PM - 08:20 PM	51.7	46.4	10:55 PM - 11:00 PM	42.5	37.5	01:35 AM - 01:40 AM	43.9	36.4
08:20 PM - 08:25 PM	51.2	45.3	11:00 PM - 11:05 PM	45.8	38.2	01:40 AM - 01:45 AM	46.0	37.8
08:25 PM - 08:30 PM	49.8	43.7	11:05 PM - 11:10 PM	42.2	36.8	01:45 AM - 01:50 AM	40.8	36.3
08:30 PM - 08:35 PM	50.3	42.9	11:10 PM - 11:15 PM	43.6	37.3	01:50 AM - 01:55 AM	42.1	36.1
08:35 PM - 08:40 PM	51.6	45.3	11:15 PM - 11:20 PM	45.9	38.1	01:55 AM - 02:00 AM	40.4	35.6
08:40 PM - 08:45 PM	50.6	44.5	11:20 PM - 11:25 PM	41.1	37.1	02:00 AM - 02:05 AM	45.4	37.5
08:45 PM - 08:50 PM	48.9	43.9	11:25 PM - 11:30 PM	46.1	38.1	02:05 AM - 02:10 AM	44.0	37.5
08:50 PM - 08:55 PM	49.9	43.8	11:30 PM - 11:35 PM	46.6	38.1	02:10 AM - 02:15 AM	38.9	37.0
08:55 PM - 09:00 PM	47.3	41.6	11:35 PM - 11:40 PM	44.5	37.1	02:15 AM - 02:20 AM	40.0	37.1
09:00 PM - 09:05 PM	49.3	41.0	11:40 PM - 11:45 PM	53.9	37.6	02:20 AM - 02:25 AM	39.4	37.2
09:05 PM - 09:10 PM	49.9	41.0	11:45 PM - 11:50 PM	48.5	37.5	02:25 AM - 02:30 AM	46.4	37.7
09:10 PM - 09:15 PM	51.4	42.1	11:50 PM - 11:55 PM	43.7	37.3	02:30 AM - 02:35 AM	44.9	38.5
09:15 PM - 09:20 PM	48.0	41.7	11:55 PM - 12:00 AM	45.7	38.0	02:35 AM - 02:40 AM	40.8	36.8
09:20 PM - 09:25 PM	48.1	40.0	12:00 AM - 12:05 AM	42.5	37.2	02:40 AM - 02:45 AM	42.7	36.1
09:25 PM - 09:30 PM	49.6	42.0	12:05 AM - 12:10 AM	51.6	37.0	02:45 AM - 02:50 AM	46.7	36.3
09:30 PM - 09:35 PM	46.6	40.2	12:10 AM - 12:15 AM	44.2	37.7	02:50 AM - 02:55 AM	42.8	35.2
09:35 PM - 09:40 PM	57.2	40.0	12:15 AM - 12:20 AM	62.6	37.8	02:55 AM - 03:00 AM	37.8	35.1
09:40 PM - 09:45 PM	51.8	41.0	12:20 AM - 12:25 AM	42.3	36.9	03:00 AM - 03:05 AM	36.8	35.0
09:45 PM - 09:50 PM	47.0	39.6	12:25 AM - 12:30 AM	45.8	36.7	03:05 AM - 03:10 AM	52.9	35.6
09:50 PM - 09:55 PM	47.7	38.0	12:30 AM - 12:35 AM	47.0	36.7	03:10 AM - 03:15 AM	46.2	36.0
09:55 PM - 10:00 PM	45.5	38.7	12:35 AM - 12:40 AM	43.5	36.8	03:15 AM - 03:20 AM	42.2	35.6
10:00 PM - 10:05 PM	47.9	37.4	12:40 AM - 12:45 AM	43.8	36.5	03:20 AM - 03:25 AM	39.7	35.3
10:05 PM - 10:10 PM	46.1	39.0	12:45 AM - 12:50 AM	45.3	37.0	03:25 AM - 03:30 AM	42.5	35.8
10:10 PM - 10:15 PM	48.0	39.6	12:50 AM - 12:55 AM	37.9	36.1	03:30 AM - 03:35 AM	40.3	35.7
10:15 PM - 10:20 PM	45.2	39.5	12:55 AM - 01:00 AM	44.3	36.1	03:35 AM - 03:40 AM	40.6	35.6
10:20 PM - 10:25 PM	46.4	38.3	01:00 AM - 01:05 AM	39.3	36.2	03:40 AM - 03:45 AM	39.7	35.4
10:25 PM - 10:30 PM	43.1	37.9	01:05 AM - 01:10 AM	52.4	36.9	03:45 AM - 03:50 AM	39.3	36.2
10:30 PM - 10:35 PM	44.9	38.3	01:10 AM - 01:15 AM	62.0	36.1	03:50 AM - 03:55 AM	42.9	36.2
10:35 PM - 10:40 PM	44.9	39.1	01:15 AM - 01:20 AM	39.3	35.9	03:55 AM - 04:00 AM	39.4	36.0

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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: 24124990
Date Received :Dec 23, 2024
Date Reported :Dec 25, 2024
Report Number :3201649-1

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

Sample Number 24124990-5
Parameter Noise Level (Leq 5 min)
Location **บ้านวังตาลหม่อน** (N1) (GPS 47P 0734083, 1432148)
Measurement Date Dec 19 - Dec 20, 2024
Measurement by Panuwat Wangbong
Sound Level meter Serial No. 623393

Dec 20, 2024 Time	Leq dB(A)	L90 dB(A)	Dec 20, 2024 Time	Leq dB(A)	L90 dB(A)	Dec 20, 2024 Time	Leq dB(A)	L90 dB(A)
04:00 AM - 04:05 AM	44.9	35.6	06:40 AM - 06:45 AM	53.4	47.7	09:20 AM - 09:25 AM	52.5	47.7
04:05 AM - 04:10 AM	39.5	35.5	06:45 AM - 06:50 AM	52.4	46.4	09:25 AM - 09:30 AM	54.8	48.0
04:10 AM - 04:15 AM	42.2	36.2	06:50 AM - 06:55 AM	54.7	48.1	09:30 AM - 09:35 AM	53.9	48.3
04:15 AM - 04:20 AM	43.4	35.9	06:55 AM - 07:00 AM	54.7	48.1	09:35 AM - 09:40 AM	53.8	49.0
04:20 AM - 04:25 AM	42.0	36.5	07:00 AM - 07:05 AM	55.8	48.8	09:40 AM - 09:45 AM	56.4	51.7
04:25 AM - 04:30 AM	43.6	37.0	07:05 AM - 07:10 AM	59.5	49.1	09:45 AM - 09:50 AM	54.9	49.9
04:30 AM - 04:35 AM	44.9	36.7	07:10 AM - 07:15 AM	57.6	51.8	09:50 AM - 09:55 AM	53.7	47.4
04:35 AM - 04:40 AM	39.9	36.0	07:15 AM - 07:20 AM	56.9	51.2	09:55 AM - 10:00 AM	54.9	51.1
04:40 AM - 04:45 AM	39.6	36.1	07:20 AM - 07:25 AM	57.7	50.0	10:00 AM - 10:05 AM	53.8	49.1
04:45 AM - 04:50 AM	44.8	36.6	07:25 AM - 07:30 AM	55.2	51.4	10:05 AM - 10:10 AM	53.2	48.0
04:50 AM - 04:55 AM	38.1	36.0	07:30 AM - 07:35 AM	57.9	52.6	10:10 AM - 10:15 AM	52.4	48.3
04:55 AM - 05:00 AM	43.0	37.2	07:35 AM - 07:40 AM	57.3	52.1	10:15 AM - 10:20 AM	53.1	47.6
05:00 AM - 05:05 AM	45.2	38.4	07:40 AM - 07:45 AM	55.3	51.9	10:20 AM - 10:25 AM	50.9	46.9
05:05 AM - 05:10 AM	47.4	39.6	07:45 AM - 07:50 AM	55.2	52.0	10:25 AM - 10:30 AM	52.6	47.5
05:10 AM - 05:15 AM	49.3	39.3	07:50 AM - 07:55 AM	57.2	51.3	10:30 AM - 10:35 AM	54.9	48.8
05:15 AM - 05:20 AM	48.8	38.5	07:55 AM - 08:00 AM	55.8	50.0	10:35 AM - 10:40 AM	54.5	49.2
05:20 AM - 05:25 AM	49.3	38.4	08:00 AM - 08:05 AM	65.3	50.7	10:40 AM - 10:45 AM	52.7	47.0
05:25 AM - 05:30 AM	45.2	39.1	08:05 AM - 08:10 AM	55.9	50.6	10:45 AM - 10:50 AM	51.6	47.1
05:30 AM - 05:35 AM	45.6	39.0	08:10 AM - 08:15 AM	62.4	51.9	10:50 AM - 10:55 AM	52.9	48.1
05:35 AM - 05:40 AM	48.2	40.5	08:15 AM - 08:20 AM	56.0	49.8	10:55 AM - 11:00 AM	52.6	46.9
05:40 AM - 05:45 AM	49.5	40.6	08:20 AM - 08:25 AM	55.0	49.7	11:00 AM - 11:05 AM	55.1	50.5
05:45 AM - 05:50 AM	49.6	40.5	08:25 AM - 08:30 AM	55.3	50.5	11:05 AM - 11:10 AM	51.5	46.3
05:50 AM - 05:55 AM	45.7	39.7	08:30 AM - 08:35 AM	56.1	50.9	11:10 AM - 11:15 AM	52.5	45.3
05:55 AM - 06:00 AM	56.9	41.4	08:35 AM - 08:40 AM	57.0	49.8	11:15 AM - 11:20 AM	53.3	48.8
06:00 AM - 06:05 AM	56.6	43.6	08:40 AM - 08:45 AM	53.8	50.4	11:20 AM - 11:25 AM	53.1	47.6
06:05 AM - 06:10 AM	56.2	45.1	08:45 AM - 08:50 AM	56.7	48.0	11:25 AM - 11:30 AM	55.3	48.6
06:10 AM - 06:15 AM	58.4	45.9	08:50 AM - 08:55 AM	53.3	47.9	11:30 AM - 11:35 AM	53.4	47.9
06:15 AM - 06:20 AM	60.0	45.8	08:55 AM - 09:00 AM	53.9	49.2	11:35 AM - 11:40 AM	53.8	46.7
06:20 AM - 06:25 AM	54.1	44.6	09:00 AM - 09:05 AM	56.4	50.1	11:40 AM - 11:45 AM	57.5	46.1
06:25 AM - 06:30 AM	52.2	44.0	09:05 AM - 09:10 AM	53.2	48.2	11:45 AM - 11:50 AM	53.6	47.1
06:30 AM - 06:35 AM	50.5	43.8	09:10 AM - 09:15 AM	80.9	50.7	11:50 AM - 11:55 AM	56.2	48.9
06:35 AM - 06:40 AM	55.6	45.3	09:15 AM - 09:20 AM	56.0	47.4	11:55 AM - 12:00 PM	57.7	48.3

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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: 24124990
Date Received :Dec 23, 2024
Date Reported :Dec 25, 2024
Report Number :3201650-1

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

Sample Number 24124990-6
Parameter Noise Level (Leq 5 min)
Location บ้านวังตาลหม่อน (N1) (GPS 47P 0734083, 1432148)
Measurement Date Dec 20 - Dec 21, 2024
Measurement by Panuwat Wangbong
Sound Level meter Serial No. 623393

Dec 20, 2024 Time	Leq dB(A)	L90 dB(A)	Dec 20, 2024 Time	Leq dB(A)	L90 dB(A)	Dec 20, 2024 Time	Leq dB(A)	L90 dB(A)
12:00 PM - 12:05 PM	52.1	48.7	02:40 PM - 02:45 PM	52.9	45.7	05:20 PM - 05:25 PM	53.1	46.4
12:05 PM - 12:10 PM	51.6	47.3	02:45 PM - 02:50 PM	52.2	45.0	05:25 PM - 05:30 PM	51.5	44.4
12:10 PM - 12:15 PM	51.0	46.1	02:50 PM - 02:55 PM	50.7	46.2	05:30 PM - 05:35 PM	53.0	47.5
12:15 PM - 12:20 PM	55.3	47.7	02:55 PM - 03:00 PM	52.3	46.1	05:35 PM - 05:40 PM	52.1	44.5
12:20 PM - 12:25 PM	53.1	46.8	03:00 PM - 03:05 PM	52.7	46.9	05:40 PM - 05:45 PM	54.1	46.4
12:25 PM - 12:30 PM	51.8	45.2	03:05 PM - 03:10 PM	52.1	47.0	05:45 PM - 05:50 PM	52.9	46.9
12:30 PM - 12:35 PM	52.2	45.5	03:10 PM - 03:15 PM	50.7	46.3	05:50 PM - 05:55 PM	55.0	46.8
12:35 PM - 12:40 PM	52.5	47.2	03:15 PM - 03:20 PM	50.2	44.6	05:55 PM - 06:00 PM	61.3	47.0
12:40 PM - 12:45 PM	53.0	45.3	03:20 PM - 03:25 PM	52.3	45.5	06:00 PM - 06:05 PM	61.9	49.1
12:45 PM - 12:50 PM	51.1	46.4	03:25 PM - 03:30 PM	50.9	45.9	06:05 PM - 06:10 PM	50.9	45.3
12:50 PM - 12:55 PM	53.4	44.4	03:30 PM - 03:35 PM	50.6	44.2	06:10 PM - 06:15 PM	54.0	46.2
12:55 PM - 01:00 PM	52.3	45.5	03:35 PM - 03:40 PM	52.9	44.9	06:15 PM - 06:20 PM	54.2	45.6
01:00 PM - 01:05 PM	52.0	44.2	03:40 PM - 03:45 PM	52.5	45.2	06:20 PM - 06:25 PM	52.0	44.5
01:05 PM - 01:10 PM	52.0	44.1	03:45 PM - 03:50 PM	51.5	45.6	06:25 PM - 06:30 PM	54.1	44.8
01:10 PM - 01:15 PM	50.9	44.5	03:50 PM - 03:55 PM	54.0	45.9	06:30 PM - 06:35 PM	49.9	42.3
01:15 PM - 01:20 PM	53.8	46.9	03:55 PM - 04:00 PM	53.0	45.1	06:35 PM - 06:40 PM	50.7	43.4
01:20 PM - 01:25 PM	50.1	42.0	04:00 PM - 04:05 PM	51.8	44.6	06:40 PM - 06:45 PM	51.1	45.8
01:25 PM - 01:30 PM	51.6	45.0	04:05 PM - 04:10 PM	53.3	45.3	06:45 PM - 06:50 PM	51.9	45.1
01:30 PM - 01:35 PM	54.0	44.7	04:10 PM - 04:15 PM	52.4	45.2	06:50 PM - 06:55 PM	53.6	46.0
01:35 PM - 01:40 PM	53.3	42.0	04:15 PM - 04:20 PM	52.1	45.5	06:55 PM - 07:00 PM	49.7	43.2
01:40 PM - 01:45 PM	52.6	45.8	04:20 PM - 04:25 PM	53.2	45.8	07:00 PM - 07:05 PM	51.1	45.6
01:45 PM - 01:50 PM	52.5	46.2	04:25 PM - 04:30 PM	51.4	45.4	07:05 PM - 07:10 PM	50.6	45.9
01:50 PM - 01:55 PM	52.1	44.3	04:30 PM - 04:35 PM	51.1	45.0	07:10 PM - 07:15 PM	49.8	46.0
01:55 PM - 02:00 PM	50.2	41.9	04:35 PM - 04:40 PM	57.9	44.8	07:15 PM - 07:20 PM	51.0	45.4
02:00 PM - 02:05 PM	51.8	43.3	04:40 PM - 04:45 PM	53.3	45.6	07:20 PM - 07:25 PM	51.0	46.7
02:05 PM - 02:10 PM	51.4	44.7	04:45 PM - 04:50 PM	54.3	47.8	07:25 PM - 07:30 PM	49.6	44.4
02:10 PM - 02:15 PM	52.9	45.1	04:50 PM - 04:55 PM	56.4	46.5	07:30 PM - 07:35 PM	51.4	45.2
02:15 PM - 02:20 PM	52.8	45.7	04:55 PM - 05:00 PM	51.2	46.1	07:35 PM - 07:40 PM	51.3	44.3
02:20 PM - 02:25 PM	55.8	46.5	05:00 PM - 05:05 PM	50.5	44.9	07:40 PM - 07:45 PM	60.2	45.3
02:25 PM - 02:30 PM	53.3	48.3	05:05 PM - 05:10 PM	57.8	49.9	07:45 PM - 07:50 PM	52.5	43.0
02:30 PM - 02:35 PM	52.9	46.9	05:10 PM - 05:15 PM	50.9	44.5	07:50 PM - 07:55 PM	48.6	42.3
02:35 PM - 02:40 PM	51.5	45.5	05:15 PM - 05:20 PM	52.8	48.1	07:55 PM - 08:00 PM	52.1	42.4

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: 24124990
Date Received :Dec 23, 2024
Date Reported :Dec 25, 2024
Report Number :3201650-1

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

Sample Number 24124990-6
Parameter Noise Level (Leq 5 min)
Location **บ้านวังตาลหม่อน** (N1) (GPS 47P 0734083, 1432148)
Measurement Date Dec 20 - Dec 21, 2024
Measurement by Panuwat Wangbong
Sound Level meter Serial No. 623393

Dec 20, 2024 Time	Leq dB(A)	L90 dB(A)	Dec 20 - Dec 21, 2024 Time	Leq dB(A)	L90 dB(A)	Dec 21, 2024 Time	Leq dB(A)	L90 dB(A)
08:00 PM - 08:05 PM	51.1	42.5	10:40 PM - 10:45 PM	47.4	38.8	01:20 AM - 01:25 AM	44.4	36.3
08:05 PM - 08:10 PM	50.0	43.7	10:45 PM - 10:50 PM	49.9	39.2	01:25 AM - 01:30 AM	46.5	38.2
08:10 PM - 08:15 PM	52.5	46.6	10:50 PM - 10:55 PM	47.2	38.9	01:30 AM - 01:35 AM	43.0	36.7
08:15 PM - 08:20 PM	49.7	45.9	10:55 PM - 11:00 PM	48.5	38.0	01:35 AM - 01:40 AM	41.5	35.9
08:20 PM - 08:25 PM	56.3	48.4	11:00 PM - 11:05 PM	45.2	36.8	01:40 AM - 01:45 AM	43.5	35.7
08:25 PM - 08:30 PM	49.9	43.1	11:05 PM - 11:10 PM	41.4	36.7	01:45 AM - 01:50 AM	48.0	36.5
08:30 PM - 08:35 PM	51.7	46.9	11:10 PM - 11:15 PM	45.7	37.6	01:50 AM - 01:55 AM	39.7	36.2
08:35 PM - 08:40 PM	49.9	45.5	11:15 PM - 11:20 PM	48.8	37.9	01:55 AM - 02:00 AM	44.6	37.2
08:40 PM - 08:45 PM	49.3	43.6	11:20 PM - 11:25 PM	48.1	40.9	02:00 AM - 02:05 AM	44.6	37.2
08:45 PM - 08:50 PM	51.6	45.2	11:25 PM - 11:30 PM	48.0	39.4	02:05 AM - 02:10 AM	49.0	36.3
08:50 PM - 08:55 PM	50.5	45.2	11:30 PM - 11:35 PM	47.2	38.1	02:10 AM - 02:15 AM	44.1	36.5
08:55 PM - 09:00 PM	49.3	42.6	11:35 PM - 11:40 PM	48.9	37.3	02:15 AM - 02:20 AM	49.6	37.0
09:00 PM - 09:05 PM	53.1	43.8	11:40 PM - 11:45 PM	46.3	36.9	02:20 AM - 02:25 AM	46.6	36.1
09:05 PM - 09:10 PM	49.2	42.5	11:45 PM - 11:50 PM	45.3	36.9	02:25 AM - 02:30 AM	48.6	36.8
09:10 PM - 09:15 PM	48.1	42.5	11:50 PM - 11:55 PM	48.9	39.3	02:30 AM - 02:35 AM	43.7	37.9
09:15 PM - 09:20 PM	50.7	44.5	11:55 PM - 12:00 AM	48.3	37.5	02:35 AM - 02:40 AM	40.9	36.8
09:20 PM - 09:25 PM	50.7	44.9	12:00 AM - 12:05 AM	50.8	36.7	02:40 AM - 02:45 AM	44.9	37.3
09:25 PM - 09:30 PM	48.6	42.8	12:05 AM - 12:10 AM	46.8	37.3	02:45 AM - 02:50 AM	43.2	37.8
09:30 PM - 09:35 PM	48.4	41.0	12:10 AM - 12:15 AM	46.8	37.2	02:50 AM - 02:55 AM	45.9	37.9
09:35 PM - 09:40 PM	50.3	41.7	12:15 AM - 12:20 AM	47.3	38.9	02:55 AM - 03:00 AM	43.7	37.5
09:40 PM - 09:45 PM	48.0	41.2	12:20 AM - 12:25 AM	47.8	38.8	03:00 AM - 03:05 AM	44.0	38.1
09:45 PM - 09:50 PM	50.2	41.6	12:25 AM - 12:30 AM	45.6	38.9	03:05 AM - 03:10 AM	46.7	39.5
09:50 PM - 09:55 PM	53.7	42.6	12:30 AM - 12:35 AM	46.8	36.7	03:10 AM - 03:15 AM	47.2	38.5
09:55 PM - 10:00 PM	48.4	42.7	12:35 AM - 12:40 AM	47.8	37.8	03:15 AM - 03:20 AM	43.9	38.5
10:00 PM - 10:05 PM	62.6	45.8	12:40 AM - 12:45 AM	45.3	37.4	03:20 AM - 03:25 AM	47.1	38.5
10:05 PM - 10:10 PM	47.6	40.7	12:45 AM - 12:50 AM	43.1	36.3	03:25 AM - 03:30 AM	46.8	38.8
10:10 PM - 10:15 PM	46.5	39.4	12:50 AM - 12:55 AM	46.2	37.4	03:30 AM - 03:35 AM	39.4	37.1
10:15 PM - 10:20 PM	48.7	41.1	12:55 AM - 01:00 AM	51.6	38.1	03:35 AM - 03:40 AM	43.9	36.7
10:20 PM - 10:25 PM	47.6	40.6	01:00 AM - 01:05 AM	42.9	35.6	03:40 AM - 03:45 AM	44.1	37.0
10:25 PM - 10:30 PM	54.5	39.7	01:05 AM - 01:10 AM	42.5	35.7	03:45 AM - 03:50 AM	40.2	36.8
10:30 PM - 10:35 PM	47.8	38.5	01:10 AM - 01:15 AM	46.9	35.7	03:50 AM - 03:55 AM	41.7	36.9
10:35 PM - 10:40 PM	46.7	38.7	01:15 AM - 01:20 AM	47.4	36.3	03:55 AM - 04:00 AM	39.0	36.3

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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: 24124990
Date Received :Dec 23, 2024
Date Reported :Dec 25, 2024
Report Number :3201650-1

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

Sample Number 24124990-6
Parameter Noise Level (Leq 5 min)
Location **บ้านวังตาลหม่อน** (N1) (GPS 47P 0734083, 1432148)
Measurement Date Dec 20 - Dec 21, 2024
Measurement by Panuwat Wangbong
Sound Level meter Serial No. 623393

Dec 21, 2024 Time	Leq dB(A)	L90 dB(A)	Dec 21, 2024 Time	Leq dB(A)	L90 dB(A)	Dec 21, 2024 Time	Leq dB(A)	L90 dB(A)
04:00 AM - 04:05 AM	44.1	36.4	06:40 AM - 06:45 AM	61.1	43.8	09:20 AM - 09:25 AM	51.5	45.6
04:05 AM - 04:10 AM	45.3	37.0	06:45 AM - 06:50 AM	55.4	45.5	09:25 AM - 09:30 AM	51.5	45.9
04:10 AM - 04:15 AM	45.3	38.1	06:50 AM - 06:55 AM	52.4	46.3	09:30 AM - 09:35 AM	51.1	44.3
04:15 AM - 04:20 AM	43.7	37.6	06:55 AM - 07:00 AM	52.9	46.9	09:35 AM - 09:40 AM	53.2	43.6
04:20 AM - 04:25 AM	43.9	37.9	07:00 AM - 07:05 AM	52.9	47.1	09:40 AM - 09:45 AM	56.1	46.7
04:25 AM - 04:30 AM	44.4	37.5	07:05 AM - 07:10 AM	52.3	47.3	09:45 AM - 09:50 AM	54.5	47.1
04:30 AM - 04:35 AM	41.0	37.4	07:10 AM - 07:15 AM	56.3	49.8	09:50 AM - 09:55 AM	54.5	46.2
04:35 AM - 04:40 AM	40.7	37.1	07:15 AM - 07:20 AM	56.2	48.6	09:55 AM - 10:00 AM	51.1	44.9
04:40 AM - 04:45 AM	43.7	37.6	07:20 AM - 07:25 AM	58.1	49.5	10:00 AM - 10:05 AM	51.6	43.9
04:45 AM - 04:50 AM	42.9	38.1	07:25 AM - 07:30 AM	55.8	50.7	10:05 AM - 10:10 AM	53.6	44.6
04:50 AM - 04:55 AM	42.7	38.2	07:30 AM - 07:35 AM	58.6	51.4	10:10 AM - 10:15 AM	51.7	44.1
04:55 AM - 05:00 AM	43.2	37.9	07:35 AM - 07:40 AM	55.2	50.1	10:15 AM - 10:20 AM	48.3	43.9
05:00 AM - 05:05 AM	41.7	37.5	07:40 AM - 07:45 AM	56.7	50.5	10:20 AM - 10:25 AM	51.1	45.8
05:05 AM - 05:10 AM	44.0	38.3	07:45 AM - 07:50 AM	55.6	50.1	10:25 AM - 10:30 AM	54.6	45.4
05:10 AM - 05:15 AM	44.8	38.6	07:50 AM - 07:55 AM	54.2	49.6	10:30 AM - 10:35 AM	53.3	46.9
05:15 AM - 05:20 AM	43.9	39.1	07:55 AM - 08:00 AM	56.2	49.3	10:35 AM - 10:40 AM	53.1	47.1
05:20 AM - 05:25 AM	48.1	39.3	08:00 AM - 08:05 AM	52.6	46.3	10:40 AM - 10:45 AM	51.2	45.8
05:25 AM - 05:30 AM	47.6	40.0	08:05 AM - 08:10 AM	57.3	46.8	10:45 AM - 10:50 AM	52.0	46.0
05:30 AM - 05:35 AM	55.1	40.9	08:10 AM - 08:15 AM	55.7	48.5	10:50 AM - 10:55 AM	54.4	47.6
05:35 AM - 05:40 AM	56.7	42.1	08:15 AM - 08:20 AM	53.7	47.3	10:55 AM - 11:00 AM	56.4	47.3
05:40 AM - 05:45 AM	43.6	38.8	08:20 AM - 08:25 AM	65.0	48.7	11:00 AM - 11:05 AM	52.2	46.6
05:45 AM - 05:50 AM	45.8	40.1	08:25 AM - 08:30 AM	52.9	46.4	11:05 AM - 11:10 AM	50.9	46.9
05:50 AM - 05:55 AM	47.7	39.5	08:30 AM - 08:35 AM	57.2	47.7	11:10 AM - 11:15 AM	54.0	47.5
05:55 AM - 06:00 AM	51.9	40.8	08:35 AM - 08:40 AM	52.1	44.8	11:15 AM - 11:20 AM	54.4	46.9
06:00 AM - 06:05 AM	51.4	42.2	08:40 AM - 08:45 AM	52.2	46.3	11:20 AM - 11:25 AM	53.0	46.2
06:05 AM - 06:10 AM	54.5	43.3	08:45 AM - 08:50 AM	55.2	47.7	11:25 AM - 11:30 AM	53.8	46.5
06:10 AM - 06:15 AM	57.1	44.5	08:50 AM - 08:55 AM	54.4	47.0	11:30 AM - 11:35 AM	50.4	46.0
06:15 AM - 06:20 AM	56.6	43.7	08:55 AM - 09:00 AM	52.8	46.0	11:35 AM - 11:40 AM	52.2	45.6
06:20 AM - 06:25 AM	55.1	44.5	09:00 AM - 09:05 AM	60.2	48.2	11:40 AM - 11:45 AM	50.7	46.5
06:25 AM - 06:30 AM	53.5	44.4	09:05 AM - 09:10 AM	52.5	45.5	11:45 AM - 11:50 AM	52.8	45.7
06:30 AM - 06:35 AM	53.2	44.9	09:10 AM - 09:15 AM	52.2	46.3	11:50 AM - 11:55 AM	53.3	48.4
06:35 AM - 06:40 AM	51.8	44.4	09:15 AM - 09:20 AM	57.4	44.5	11:55 AM - 12:00 PM	54.0	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: 24124990
Date Received :Dec 23, 2024
Date Reported :Dec 25, 2024
Report Number :3201651-1

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

Sample Number 24124990-7
Parameter Noise Level (Leq 5 min)
Location บ้านวังตาลหม่อน (N1) (GPS 47P 0734083, 1432148)
Measurement Date Dec 21 - Dec 22, 2024
Measurement by Panuwat Wangbong
Sound Level meter Serial No. 623393

Dec 21, 2024 Time	Leq dB(A)	L90 dB(A)	Dec 21, 2024 Time	Leq dB(A)	L90 dB(A)	Dec 21, 2024 Time	Leq dB(A)	L90 dB(A)
12:00 PM - 12:05 PM	51.8	42.4	02:40 PM - 02:45 PM	51.0	42.4	05:20 PM - 05:25 PM	53.5	47.5
12:05 PM - 12:10 PM	56.4	48.4	02:45 PM - 02:50 PM	54.2	44.9	05:25 PM - 05:30 PM	56.4	47.8
12:10 PM - 12:15 PM	53.5	46.9	02:50 PM - 02:55 PM	50.2	42.6	05:30 PM - 05:35 PM	50.5	43.3
12:15 PM - 12:20 PM	52.3	43.0	02:55 PM - 03:00 PM	56.8	44.5	05:35 PM - 05:40 PM	56.7	45.7
12:20 PM - 12:25 PM	50.1	42.4	03:00 PM - 03:05 PM	56.4	47.0	05:40 PM - 05:45 PM	51.9	45.8
12:25 PM - 12:30 PM	51.1	43.6	03:05 PM - 03:10 PM	51.8	45.8	05:45 PM - 05:50 PM	51.7	46.9
12:30 PM - 12:35 PM	53.3	44.8	03:10 PM - 03:15 PM	52.8	43.9	05:50 PM - 05:55 PM	52.4	48.4
12:35 PM - 12:40 PM	53.4	45.5	03:15 PM - 03:20 PM	53.2	47.4	05:55 PM - 06:00 PM	55.3	45.7
12:40 PM - 12:45 PM	47.4	39.8	03:20 PM - 03:25 PM	51.4	45.6	06:00 PM - 06:05 PM	53.7	44.6
12:45 PM - 12:50 PM	51.0	41.9	03:25 PM - 03:30 PM	50.9	43.1	06:05 PM - 06:10 PM	52.1	44.2
12:50 PM - 12:55 PM	48.9	41.4	03:30 PM - 03:35 PM	52.3	43.8	06:10 PM - 06:15 PM	60.2	45.7
12:55 PM - 01:00 PM	51.2	44.5	03:35 PM - 03:40 PM	57.9	44.1	06:15 PM - 06:20 PM	50.8	42.4
01:00 PM - 01:05 PM	54.9	45.5	03:40 PM - 03:45 PM	50.4	44.5	06:20 PM - 06:25 PM	49.6	42.6
01:05 PM - 01:10 PM	55.8	45.1	03:45 PM - 03:50 PM	52.0	43.2	06:25 PM - 06:30 PM	49.1	42.3
01:10 PM - 01:15 PM	55.1	45.0	03:50 PM - 03:55 PM	55.7	45.3	06:30 PM - 06:35 PM	51.7	43.4
01:15 PM - 01:20 PM	60.1	45.8	03:55 PM - 04:00 PM	52.4	43.7	06:35 PM - 06:40 PM	52.4	43.5
01:20 PM - 01:25 PM	51.2	44.3	04:00 PM - 04:05 PM	51.6	43.0	06:40 PM - 06:45 PM	53.0	45.2
01:25 PM - 01:30 PM	52.6	44.7	04:05 PM - 04:10 PM	54.7	43.6	06:45 PM - 06:50 PM	51.9	45.2
01:30 PM - 01:35 PM	51.6	45.2	04:10 PM - 04:15 PM	51.6	43.8	06:50 PM - 06:55 PM	49.6	44.8
01:35 PM - 01:40 PM	50.2	43.5	04:15 PM - 04:20 PM	57.7	45.8	06:55 PM - 07:00 PM	49.7	44.1
01:40 PM - 01:45 PM	50.9	43.6	04:20 PM - 04:25 PM	59.7	42.1	07:00 PM - 07:05 PM	51.6	46.4
01:45 PM - 01:50 PM	52.7	42.4	04:25 PM - 04:30 PM	52.1	43.4	07:05 PM - 07:10 PM	50.7	45.1
01:50 PM - 01:55 PM	53.9	44.4	04:30 PM - 04:35 PM	51.8	42.4	07:10 PM - 07:15 PM	52.1	45.5
01:55 PM - 02:00 PM	49.9	43.1	04:35 PM - 04:40 PM	50.7	44.1	07:15 PM - 07:20 PM	50.1	44.8
02:00 PM - 02:05 PM	51.0	44.2	04:40 PM - 04:45 PM	52.9	45.2	07:20 PM - 07:25 PM	49.7	43.9
02:05 PM - 02:10 PM	54.8	45.1	04:45 PM - 04:50 PM	52.4	45.8	07:25 PM - 07:30 PM	50.5	44.8
02:10 PM - 02:15 PM	52.6	43.9	04:50 PM - 04:55 PM	51.2	43.8	07:30 PM - 07:35 PM	49.7	42.8
02:15 PM - 02:20 PM	52.8	44.9	04:55 PM - 05:00 PM	51.0	43.6	07:35 PM - 07:40 PM	50.1	43.3
02:20 PM - 02:25 PM	57.2	46.1	05:00 PM - 05:05 PM	53.8	45.6	07:40 PM - 07:45 PM	51.1	44.0
02:25 PM - 02:30 PM	53.5	43.9	05:05 PM - 05:10 PM	55.2	47.3	07:45 PM - 07:50 PM	51.8	42.4
02:30 PM - 02:35 PM	51.0	45.4	05:10 PM - 05:15 PM	52.2	46.4	07:50 PM - 07:55 PM	48.5	42.4
02:35 PM - 02:40 PM	52.6	46.6	05:15 PM - 05:20 PM	58.2	48.0	07:55 PM - 08:00 PM	48.5	41.1

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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: 24124990
Date Received :Dec 23, 2024
Date Reported :Dec 25, 2024
Report Number :3201651-1

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

Sample Number 24124990-7
Parameter Noise Level (Leq 5 min)
Location **บ้านวังตาลหม่อน** (N1) (GPS 47P 0734083, 1432148)
Measurement Date Dec 21 - Dec 22, 2024
Measurement by Panuwat Wangbong
Sound Level meter Serial No. 623393

Dec 21, 2024 Time	Leq dB(A)	L90 dB(A)	Dec 21 - Dec 22, 2024 Time	Leq dB(A)	L90 dB(A)	Dec 22, 2024 Time	Leq dB(A)	L90 dB(A)
08:00 PM - 08:05 PM	50.1	41.9	10:40 PM - 10:45 PM	45.9	40.2	01:20 AM - 01:25 AM	49.6	38.7
08:05 PM - 08:10 PM	51.5	42.7	10:45 PM - 10:50 PM	48.5	41.2	01:25 AM - 01:30 AM	39.7	37.8
08:10 PM - 08:15 PM	52.4	44.8	10:50 PM - 10:55 PM	49.8	41.6	01:30 AM - 01:35 AM	43.7	37.8
08:15 PM - 08:20 PM	51.2	44.4	10:55 PM - 11:00 PM	48.6	40.5	01:35 AM - 01:40 AM	42.8	37.1
08:20 PM - 08:25 PM	56.3	48.0	11:00 PM - 11:05 PM	48.7	40.8	01:40 AM - 01:45 AM	42.4	36.8
08:25 PM - 08:30 PM	51.8	43.9	11:05 PM - 11:10 PM	47.8	41.4	01:45 AM - 01:50 AM	44.5	37.8
08:30 PM - 08:35 PM	51.3	43.3	11:10 PM - 11:15 PM	45.7	40.2	01:50 AM - 01:55 AM	45.3	37.2
08:35 PM - 08:40 PM	51.3	44.2	11:15 PM - 11:20 PM	48.6	41.3	01:55 AM - 02:00 AM	40.4	36.8
08:40 PM - 08:45 PM	51.3	43.4	11:20 PM - 11:25 PM	46.3	40.2	02:00 AM - 02:05 AM	42.2	36.5
08:45 PM - 08:50 PM	49.3	41.9	11:25 PM - 11:30 PM	50.5	41.1	02:05 AM - 02:10 AM	44.8	37.0
08:50 PM - 08:55 PM	50.7	42.9	11:30 PM - 11:35 PM	48.2	39.9	02:10 AM - 02:15 AM	44.8	37.2
08:55 PM - 09:00 PM	52.7	40.8	11:35 PM - 11:40 PM	48.2	39.1	02:15 AM - 02:20 AM	49.0	37.3
09:00 PM - 09:05 PM	47.7	40.4	11:40 PM - 11:45 PM	46.8	40.1	02:20 AM - 02:25 AM	41.2	37.4
09:05 PM - 09:10 PM	49.5	43.5	11:45 PM - 11:50 PM	46.4	39.6	02:25 AM - 02:30 AM	46.4	36.1
09:10 PM - 09:15 PM	49.6	42.2	11:50 PM - 11:55 PM	55.0	40.0	02:30 AM - 02:35 AM	43.3	36.7
09:15 PM - 09:20 PM	49.4	43.3	11:55 PM - 12:00 AM	48.7	41.0	02:35 AM - 02:40 AM	46.4	36.6
09:20 PM - 09:25 PM	49.6	42.9	12:00 AM - 12:05 AM	47.6	39.4	02:40 AM - 02:45 AM	39.3	36.0
09:25 PM - 09:30 PM	48.8	41.5	12:05 AM - 12:10 AM	60.2	41.0	02:45 AM - 02:50 AM	44.2	36.8
09:30 PM - 09:35 PM	49.0	42.9	12:10 AM - 12:15 AM	61.1	40.9	02:50 AM - 02:55 AM	40.9	36.6
09:35 PM - 09:40 PM	48.0	43.0	12:15 AM - 12:20 AM	56.9	41.0	02:55 AM - 03:00 AM	41.6	36.5
09:40 PM - 09:45 PM	52.4	42.1	12:20 AM - 12:25 AM	47.2	39.4	03:00 AM - 03:05 AM	44.3	36.5
09:45 PM - 09:50 PM	49.5	42.8	12:25 AM - 12:30 AM	45.8	39.6	03:05 AM - 03:10 AM	43.1	36.1
09:50 PM - 09:55 PM	47.3	42.1	12:30 AM - 12:35 AM	50.3	40.0	03:10 AM - 03:15 AM	39.2	35.8
09:55 PM - 10:00 PM	45.7	42.3	12:35 AM - 12:40 AM	51.9	41.7	03:15 AM - 03:20 AM	38.1	35.5
10:00 PM - 10:05 PM	51.2	43.8	12:40 AM - 12:45 AM	48.4	38.9	03:20 AM - 03:25 AM	40.1	36.0
10:05 PM - 10:10 PM	48.8	43.2	12:45 AM - 12:50 AM	50.4	41.7	03:25 AM - 03:30 AM	41.5	36.4
10:10 PM - 10:15 PM	49.6	41.8	12:50 AM - 12:55 AM	52.8	39.6	03:30 AM - 03:35 AM	39.1	35.9
10:15 PM - 10:20 PM	50.7	42.3	12:55 AM - 01:00 AM	47.6	38.5	03:35 AM - 03:40 AM	39.0	36.7
10:20 PM - 10:25 PM	50.5	43.3	01:00 AM - 01:05 AM	47.9	39.8	03:40 AM - 03:45 AM	41.1	37.6
10:25 PM - 10:30 PM	47.5	41.2	01:05 AM - 01:10 AM	48.9	38.9	03:45 AM - 03:50 AM	41.3	38.9
10:30 PM - 10:35 PM	47.8	40.2	01:10 AM - 01:15 AM	47.2	38.6	03:50 AM - 03:55 AM	44.1	37.8
10:35 PM - 10:40 PM	47.1	40.3	01:15 AM - 01:20 AM	49.4	38.3	03:55 AM - 04:00 AM	48.2	35.9

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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: 24124990
Date Received :Dec 23, 2024
Date Reported :Dec 25, 2024
Report Number :3201651-1

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

Sample Number 24124990-7
Parameter Noise Level (Leq 5 min)
Location **บ้านวังตาลหม่อน** (N1) (GPS 47P 0734083, 1432148)
Measurement Date Dec 21 - Dec 22, 2024
Measurement by Panuwat Wangbong
Sound Level meter Serial No. 623393

Dec 22, 2024 Time	Leq dB(A)	L90 dB(A)	Dec 22, 2024 Time	Leq dB(A)	L90 dB(A)	Dec 22, 2024 Time	Leq dB(A)	L90 dB(A)
04:00 AM - 04:05 AM	39.8	37.8	06:40 AM - 06:45 AM	61.6	44.2	09:20 AM - 09:25 AM	55.5	46.2
04:05 AM - 04:10 AM	40.8	36.3	06:45 AM - 06:50 AM	66.1	50.4	09:25 AM - 09:30 AM	53.3	47.3
04:10 AM - 04:15 AM	43.8	35.3	06:50 AM - 06:55 AM	56.8	45.4	09:30 AM - 09:35 AM	53.7	47.5
04:15 AM - 04:20 AM	47.5	35.5	06:55 AM - 07:00 AM	58.3	46.5	09:35 AM - 09:40 AM	52.3	48.6
04:20 AM - 04:25 AM	41.9	35.4	07:00 AM - 07:05 AM	62.3	46.0	09:40 AM - 09:45 AM	54.7	48.4
04:25 AM - 04:30 AM	43.8	35.7	07:05 AM - 07:10 AM	52.5	45.5	09:45 AM - 09:50 AM	55.1	49.7
04:30 AM - 04:35 AM	42.2	35.7	07:10 AM - 07:15 AM	56.7	46.7	09:50 AM - 09:55 AM	52.7	47.8
04:35 AM - 04:40 AM	51.2	36.8	07:15 AM - 07:20 AM	55.9	47.9	09:55 AM - 10:00 AM	55.3	50.4
04:40 AM - 04:45 AM	37.6	35.3	07:20 AM - 07:25 AM	59.1	48.2	10:00 AM - 10:05 AM	53.4	49.4
04:45 AM - 04:50 AM	44.9	36.5	07:25 AM - 07:30 AM	55.7	47.8	10:05 AM - 10:10 AM	53.9	49.3
04:50 AM - 04:55 AM	41.4	36.9	07:30 AM - 07:35 AM	53.1	47.4	10:10 AM - 10:15 AM	55.8	50.0
04:55 AM - 05:00 AM	44.9	36.7	07:35 AM - 07:40 AM	55.5	47.6	10:15 AM - 10:20 AM	54.3	50.1
05:00 AM - 05:05 AM	44.6	37.3	07:40 AM - 07:45 AM	53.5	46.7	10:20 AM - 10:25 AM	53.9	50.1
05:05 AM - 05:10 AM	55.7	39.1	07:45 AM - 07:50 AM	60.0	48.1	10:25 AM - 10:30 AM	53.5	49.2
05:10 AM - 05:15 AM	49.0	40.0	07:50 AM - 07:55 AM	64.5	46.3	10:30 AM - 10:35 AM	54.5	47.5
05:15 AM - 05:20 AM	45.8	40.3	07:55 AM - 08:00 AM	61.7	47.0	10:35 AM - 10:40 AM	54.1	46.4
05:20 AM - 05:25 AM	45.4	40.0	08:00 AM - 08:05 AM	52.1	46.7	10:40 AM - 10:45 AM	51.7	45.5
05:25 AM - 05:30 AM	46.0	39.4	08:05 AM - 08:10 AM	54.6	47.8	10:45 AM - 10:50 AM	52.3	45.9
05:30 AM - 05:35 AM	44.1	38.7	08:10 AM - 08:15 AM	59.3	49.5	10:50 AM - 10:55 AM	54.8	49.0
05:35 AM - 05:40 AM	46.8	39.5	08:15 AM - 08:20 AM	55.3	48.2	10:55 AM - 11:00 AM	58.9	47.7
05:40 AM - 05:45 AM	44.4	39.7	08:20 AM - 08:25 AM	56.5	48.3	11:00 AM - 11:05 AM	51.0	44.9
05:45 AM - 05:50 AM	47.9	39.8	08:25 AM - 08:30 AM	63.0	48.3	11:05 AM - 11:10 AM	50.7	45.0
05:50 AM - 05:55 AM	49.4	41.8	08:30 AM - 08:35 AM	59.4	48.3	11:10 AM - 11:15 AM	55.9	49.4
05:55 AM - 06:00 AM	46.9	42.0	08:35 AM - 08:40 AM	52.8	47.4	11:15 AM - 11:20 AM	51.6	46.6
06:00 AM - 06:05 AM	54.7	44.4	08:40 AM - 08:45 AM	52.1	46.6	11:20 AM - 11:25 AM	53.7	46.8
06:05 AM - 06:10 AM	53.0	42.4	08:45 AM - 08:50 AM	52.0	47.8	11:25 AM - 11:30 AM	53.0	48.5
06:10 AM - 06:15 AM	54.6	42.6	08:50 AM - 08:55 AM	52.2	45.8	11:30 AM - 11:35 AM	53.3	48.1
06:15 AM - 06:20 AM	54.5	44.9	08:55 AM - 09:00 AM	52.0	46.2	11:35 AM - 11:40 AM	52.5	46.0
06:20 AM - 06:25 AM	49.9	43.4	09:00 AM - 09:05 AM	54.4	47.3	11:40 AM - 11:45 AM	52.7	45.8
06:25 AM - 06:30 AM	54.1	42.3	09:05 AM - 09:10 AM	55.6	48.0	11:45 AM - 11:50 AM	55.3	46.7
06:30 AM - 06:35 AM	56.9	44.4	09:10 AM - 09:15 AM	54.6	45.8	11:50 AM - 11:55 AM	52.1	47.0
06:35 AM - 06:40 AM	53.4	43.5	09:15 AM - 09:20 AM	54.8	46.0	11:55 AM - 12:00 PM	53.3	48.2

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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: 24124990
Date Received :Dec 23, 2024
Date Reported :Dec 25, 2024
Report Number :3201652-1

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

Sample Number 24124990-8
Parameter Noise Level (Leq 5 min)
Location บ้านพักอาศัย หมู่ 2 ซ.มาบยางพร 15 (N2) (GPS 47P 0733648, 1434012)
Measurement Date Dec 15 - Dec 16, 2024
Measurement by Panuwat Wangbong
Sound Level meter Serial No. 623392

Dec 15, 2024 Time	Leq dB(A)	L90 dB(A)	Dec 15, 2024 Time	Leq dB(A)	L90 dB(A)	Dec 15, 2024 Time	Leq dB(A)	L90 dB(A)
11:00 AM - 11:05 AM	56.2	49.4	01:40 PM - 01:45 PM	56.3	52.7	04:20 PM - 04:25 PM	57.9	49.8
11:05 AM - 11:10 AM	56.3	48.1	01:45 PM - 01:50 PM	55.7	51.2	04:25 PM - 04:30 PM	58.1	51.6
11:10 AM - 11:15 AM	54.9	45.9	01:50 PM - 01:55 PM	51.6	48.7	04:30 PM - 04:35 PM	61.4	52.8
11:15 AM - 11:20 AM	53.9	47.7	01:55 PM - 02:00 PM	50.5	44.9	04:35 PM - 04:40 PM	60.3	52.0
11:20 AM - 11:25 AM	56.4	48.9	02:00 PM - 02:05 PM	57.9	51.4	04:40 PM - 04:45 PM	59.5	49.2
11:25 AM - 11:30 AM	61.2	48.9	02:05 PM - 02:10 PM	58.4	53.6	04:45 PM - 04:50 PM	62.8	53.1
11:30 AM - 11:35 AM	61.3	56.4	02:10 PM - 02:15 PM	60.3	54.0	04:50 PM - 04:55 PM	62.6	51.4
11:35 AM - 11:40 AM	60.2	57.2	02:15 PM - 02:20 PM	58.0	52.9	04:55 PM - 05:00 PM	56.3	51.0
11:40 AM - 11:45 AM	62.5	53.9	02:20 PM - 02:25 PM	55.4	50.6	05:00 PM - 05:05 PM	55.0	47.7
11:45 AM - 11:50 AM	56.6	48.6	02:25 PM - 02:30 PM	59.5	53.5	05:05 PM - 05:10 PM	51.3	47.2
11:50 AM - 11:55 AM	66.5	49.8	02:30 PM - 02:35 PM	59.1	54.9	05:10 PM - 05:15 PM	53.3	47.8
11:55 AM - 12:00 PM	60.2	45.3	02:35 PM - 02:40 PM	61.9	55.7	05:15 PM - 05:20 PM	52.3	47.0
12:00 PM - 12:05 PM	52.2	45.4	02:40 PM - 02:45 PM	61.0	55.4	05:20 PM - 05:25 PM	53.4	46.9
12:05 PM - 12:10 PM	50.5	46.4	02:45 PM - 02:50 PM	60.6	56.5	05:25 PM - 05:30 PM	52.2	46.4
12:10 PM - 12:15 PM	52.5	46.2	02:50 PM - 02:55 PM	61.5	56.1	05:30 PM - 05:35 PM	55.0	46.4
12:15 PM - 12:20 PM	62.2	46.6	02:55 PM - 03:00 PM	57.1	54.5	05:35 PM - 05:40 PM	57.1	48.1
12:20 PM - 12:25 PM	54.3	47.0	03:00 PM - 03:05 PM	55.9	54.3	05:40 PM - 05:45 PM	54.9	48.4
12:25 PM - 12:30 PM	54.3	48.3	03:05 PM - 03:10 PM	59.0	53.5	05:45 PM - 05:50 PM	54.3	47.6
12:30 PM - 12:35 PM	52.7	47.1	03:10 PM - 03:15 PM	56.3	52.3	05:50 PM - 05:55 PM	55.3	48.0
12:35 PM - 12:40 PM	53.6	47.4	03:15 PM - 03:20 PM	57.4	52.2	05:55 PM - 06:00 PM	54.7	48.8
12:40 PM - 12:45 PM	52.3	44.5	03:20 PM - 03:25 PM	52.8	47.5	06:00 PM - 06:05 PM	53.8	49.2
12:45 PM - 12:50 PM	51.9	46.8	03:25 PM - 03:30 PM	57.9	50.7	06:05 PM - 06:10 PM	52.4	47.8
12:50 PM - 12:55 PM	53.6	50.2	03:30 PM - 03:35 PM	58.9	54.4	06:10 PM - 06:15 PM	52.7	46.8
12:55 PM - 01:00 PM	53.5	50.2	03:35 PM - 03:40 PM	59.3	55.0	06:15 PM - 06:20 PM	53.4	46.9
01:00 PM - 01:05 PM	55.0	50.3	03:40 PM - 03:45 PM	58.6	50.7	06:20 PM - 06:25 PM	60.4	47.9
01:05 PM - 01:10 PM	57.8	51.5	03:45 PM - 03:50 PM	57.8	53.6	06:25 PM - 06:30 PM	51.7	46.4
01:10 PM - 01:15 PM	57.3	50.7	03:50 PM - 03:55 PM	59.6	52.7	06:30 PM - 06:35 PM	52.8	46.9
01:15 PM - 01:20 PM	61.4	56.4	03:55 PM - 04:00 PM	56.7	51.4	06:35 PM - 06:40 PM	51.3	46.9
01:20 PM - 01:25 PM	57.1	54.3	04:00 PM - 04:05 PM	57.5	53.1	06:40 PM - 06:45 PM	51.8	46.3
01:25 PM - 01:30 PM	58.5	54.7	04:05 PM - 04:10 PM	58.2	51.9	06:45 PM - 06:50 PM	52.3	47.1
01:30 PM - 01:35 PM	60.6	54.5	04:10 PM - 04:15 PM	58.3	51.9	06:50 PM - 06:55 PM	49.6	45.7
01:35 PM - 01:40 PM	57.4	54.8	04:15 PM - 04:20 PM	59.2	50.9	06:55 PM - 07:00 PM	61.4	47.0

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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: 24124990
Date Received :Dec 23, 2024
Date Reported :Dec 25, 2024
Report Number :3201652-1

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

Sample Number	24124990-8
Parameter	Noise Level (Leq 5 min)
Location	บ้านพักอาศัย หมู่ 2 ซ.มาบยางพร 15 (N2) (GPS 47P 0733648, 1434012)
Measurement Date	Dec 15 - Dec 16, 2024
Measurement by	Panuwat Wangbong
Sound Level meter	Serial No. 623392

Dec 15, 2024	Leq	L90	Dec 15 - Dec 16, 2024	Leq	L90	Dec 16, 2024	Leq	L90
Time	dB(A)	dB(A)	Time	dB(A)	dB(A)	Time	dB(A)	dB(A)
07:00 PM - 07:05 PM	56.0	46.9	09:40 PM - 09:45 PM	46.1	42.1	12:20 AM - 12:25 AM	41.9	38.8
07:05 PM - 07:10 PM	56.0	45.4	09:45 PM - 09:50 PM	46.3	41.8	12:25 AM - 12:30 AM	45.5	40.1
07:10 PM - 07:15 PM	55.4	45.8	09:50 PM - 09:55 PM	46.2	42.4	12:30 AM - 12:35 AM	44.0	38.9
07:15 PM - 07:20 PM	56.4	47.2	09:55 PM - 10:00 PM	50.4	43.3	12:35 AM - 12:40 AM	44.8	39.8
07:20 PM - 07:25 PM	52.2	46.3	10:00 PM - 10:05 PM	46.5	43.0	12:40 AM - 12:45 AM	42.5	38.5
07:25 PM - 07:30 PM	55.0	48.0	10:05 PM - 10:10 PM	52.6	44.7	12:45 AM - 12:50 AM	42.8	38.9
07:30 PM - 07:35 PM	54.3	47.9	10:10 PM - 10:15 PM	47.5	43.2	12:50 AM - 12:55 AM	43.6	39.3
07:35 PM - 07:40 PM	54.8	47.3	10:15 PM - 10:20 PM	46.1	41.2	12:55 AM - 01:00 AM	43.7	37.4
07:40 PM - 07:45 PM	52.6	46.4	10:20 PM - 10:25 PM	57.6	45.2	01:00 AM - 01:05 AM	42.6	39.3
07:45 PM - 07:50 PM	52.1	47.6	10:25 PM - 10:30 PM	49.6	44.4	01:05 AM - 01:10 AM	44.0	40.0
07:50 PM - 07:55 PM	56.3	48.0	10:30 PM - 10:35 PM	49.9	42.8	01:10 AM - 01:15 AM	51.0	39.6
07:55 PM - 08:00 PM	55.2	51.0	10:35 PM - 10:40 PM	48.9	42.5	01:15 AM - 01:20 AM	43.8	38.6
08:00 PM - 08:05 PM	54.9	46.3	10:40 PM - 10:45 PM	45.1	40.8	01:20 AM - 01:25 AM	42.0	38.8
08:05 PM - 08:10 PM	52.3	48.3	10:45 PM - 10:50 PM	50.5	40.8	01:25 AM - 01:30 AM	45.2	39.6
08:10 PM - 08:15 PM	52.6	46.1	10:50 PM - 10:55 PM	48.2	43.0	01:30 AM - 01:35 AM	58.3	39.6
08:15 PM - 08:20 PM	51.9	46.8	10:55 PM - 11:00 PM	47.1	40.6	01:35 AM - 01:40 AM	51.6	38.5
08:20 PM - 08:25 PM	61.7	47.1	11:00 PM - 11:05 PM	46.7	41.6	01:40 AM - 01:45 AM	42.5	37.7
08:25 PM - 08:30 PM	50.1	45.1	11:05 PM - 11:10 PM	48.3	41.6	01:45 AM - 01:50 AM	42.9	37.4
08:30 PM - 08:35 PM	53.5	47.6	11:10 PM - 11:15 PM	52.9	43.1	01:50 AM - 01:55 AM	41.2	38.0
08:35 PM - 08:40 PM	53.6	46.3	11:15 PM - 11:20 PM	49.8	41.2	01:55 AM - 02:00 AM	41.6	36.7
08:40 PM - 08:45 PM	57.5	46.0	11:20 PM - 11:25 PM	52.3	40.7	02:00 AM - 02:05 AM	40.0	35.5
08:45 PM - 08:50 PM	54.4	47.0	11:25 PM - 11:30 PM	44.6	40.2	02:05 AM - 02:10 AM	41.0	36.5
08:50 PM - 08:55 PM	53.3	46.7	11:30 PM - 11:35 PM	48.1	39.9	02:10 AM - 02:15 AM	41.7	36.3
08:55 PM - 09:00 PM	52.7	44.0	11:35 PM - 11:40 PM	41.7	39.3	02:15 AM - 02:20 AM	39.4	34.0
09:00 PM - 09:05 PM	53.9	44.7	11:40 PM - 11:45 PM	45.8	40.1	02:20 AM - 02:25 AM	42.2	34.3
09:05 PM - 09:10 PM	52.7	44.9	11:45 PM - 11:50 PM	43.1	39.2	02:25 AM - 02:30 AM	43.8	34.4
09:10 PM - 09:15 PM	50.1	44.8	11:50 PM - 11:55 PM	49.2	39.9	02:30 AM - 02:35 AM	43.2	36.7
09:15 PM - 09:20 PM	48.7	44.5	11:55 PM - 12:00 AM	48.2	40.4	02:35 AM - 02:40 AM	46.5	38.0
09:20 PM - 09:25 PM	47.5	43.1	12:00 AM - 12:05 AM	44.0	39.8	02:40 AM - 02:45 AM	48.6	36.2
09:25 PM - 09:30 PM	48.3	43.0	12:05 AM - 12:10 AM	43.3	39.3	02:45 AM - 02:50 AM	46.5	34.9
09:30 PM - 09:35 PM	50.0	43.9	12:10 AM - 12:15 AM	43.3	38.9	02:50 AM - 02:55 AM	40.9	36.3
09:35 PM - 09:40 PM	45.4	42.2	12:15 AM - 12:20 AM	44.1	39.6	02:55 AM - 03:00 AM	42.7	36.4

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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: 24124990
Date Received :Dec 23, 2024
Date Reported :Dec 25, 2024
Report Number :3201652-1

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

Sample Number 24124990-8
Parameter Noise Level (Leq 5 min)
Location บ้านพักอาศัย หมู่ 2 ซ.มาบยางพร 15 (N2) (GPS 47P 0733648, 1434012)
Measurement Date Dec 15 - Dec 16, 2024
Measurement by Panuwat Wangbong
Sound Level meter Serial No. 623392

Dec 16, 2024 Time	Leq dB(A)	L90 dB(A)	Dec 16, 2024 Time	Leq dB(A)	L90 dB(A)	Dec 16, 2024 Time	Leq dB(A)	L90 dB(A)
03:00 AM - 03:05 AM	46.7	36.8	05:40 AM - 05:45 AM	48.7	39.8	08:20 AM - 08:25 AM	55.1	51.5
03:05 AM - 03:10 AM	47.0	37.8	05:45 AM - 05:50 AM	60.9	45.9	08:25 AM - 08:30 AM	56.7	51.1
03:10 AM - 03:15 AM	43.6	37.5	05:50 AM - 05:55 AM	62.1	43.1	08:30 AM - 08:35 AM	64.7	52.4
03:15 AM - 03:20 AM	42.9	37.9	05:55 AM - 06:00 AM	53.4	44.7	08:35 AM - 08:40 AM	63.0	53.5
03:20 AM - 03:25 AM	42.1	38.9	06:00 AM - 06:05 AM	52.8	46.3	08:40 AM - 08:45 AM	68.2	56.9
03:25 AM - 03:30 AM	42.5	36.3	06:05 AM - 06:10 AM	55.7	48.1	08:45 AM - 08:50 AM	66.6	50.3
03:30 AM - 03:35 AM	40.7	37.1	06:10 AM - 06:15 AM	55.5	47.7	08:50 AM - 08:55 AM	63.1	51.0
03:35 AM - 03:40 AM	39.3	36.7	06:15 AM - 06:20 AM	55.7	46.2	08:55 AM - 09:00 AM	55.1	49.4
03:40 AM - 03:45 AM	45.2	37.7	06:20 AM - 06:25 AM	55.3	45.8	09:00 AM - 09:05 AM	57.5	51.2
03:45 AM - 03:50 AM	43.4	37.9	06:25 AM - 06:30 AM	55.4	46.4	09:05 AM - 09:10 AM	61.8	55.2
03:50 AM - 03:55 AM	41.7	36.2	06:30 AM - 06:35 AM	55.1	48.2	09:10 AM - 09:15 AM	59.8	51.5
03:55 AM - 04:00 AM	49.5	37.5	06:35 AM - 06:40 AM	58.4	47.0	09:15 AM - 09:20 AM	61.2	51.8
04:00 AM - 04:05 AM	40.2	37.0	06:40 AM - 06:45 AM	55.8	47.2	09:20 AM - 09:25 AM	55.2	49.4
04:05 AM - 04:10 AM	40.6	36.8	06:45 AM - 06:50 AM	57.4	47.5	09:25 AM - 09:30 AM	54.1	48.5
04:10 AM - 04:15 AM	45.3	37.2	06:50 AM - 06:55 AM	56.9	46.8	09:30 AM - 09:35 AM	55.9	49.7
04:15 AM - 04:20 AM	43.6	37.4	06:55 AM - 07:00 AM	57.1	48.3	09:35 AM - 09:40 AM	53.5	48.4
04:20 AM - 04:25 AM	43.3	38.2	07:00 AM - 07:05 AM	63.8	49.3	09:40 AM - 09:45 AM	56.4	48.4
04:25 AM - 04:30 AM	47.7	40.2	07:05 AM - 07:10 AM	59.1	50.8	09:45 AM - 09:50 AM	60.7	52.8
04:30 AM - 04:35 AM	44.9	38.4	07:10 AM - 07:15 AM	58.2	49.3	09:50 AM - 09:55 AM	53.7	48.9
04:35 AM - 04:40 AM	41.9	35.5	07:15 AM - 07:20 AM	65.9	50.1	09:55 AM - 10:00 AM	55.9	48.5
04:40 AM - 04:45 AM	49.3	37.7	07:20 AM - 07:25 AM	59.7	51.8	10:00 AM - 10:05 AM	53.9	49.9
04:45 AM - 04:50 AM	45.1	37.6	07:25 AM - 07:30 AM	59.3	52.1	10:05 AM - 10:10 AM	53.5	49.2
04:50 AM - 04:55 AM	47.0	39.6	07:30 AM - 07:35 AM	59.6	52.1	10:10 AM - 10:15 AM	53.7	48.1
04:55 AM - 05:00 AM	42.4	37.4	07:35 AM - 07:40 AM	56.0	51.1	10:15 AM - 10:20 AM	63.9	49.9
05:00 AM - 05:05 AM	42.9	36.6	07:40 AM - 07:45 AM	55.6	49.7	10:20 AM - 10:25 AM	69.0	51.0
05:05 AM - 05:10 AM	44.3	37.5	07:45 AM - 07:50 AM	58.0	50.2	10:25 AM - 10:30 AM	55.0	48.4
05:10 AM - 05:15 AM	51.6	41.4	07:50 AM - 07:55 AM	58.6	52.6	10:30 AM - 10:35 AM	54.1	48.6
05:15 AM - 05:20 AM	52.2	44.3	07:55 AM - 08:00 AM	64.0	56.0	10:35 AM - 10:40 AM	54.9	49.4
05:20 AM - 05:25 AM	49.1	42.7	08:00 AM - 08:05 AM	58.5	53.1	10:40 AM - 10:45 AM	51.7	47.6
05:25 AM - 05:30 AM	53.1	45.8	08:05 AM - 08:10 AM	56.8	54.1	10:45 AM - 10:50 AM	56.5	50.3
05:30 AM - 05:35 AM	55.7	43.2	08:10 AM - 08:15 AM	58.4	54.6	10:50 AM - 10:55 AM	56.0	48.1
05:35 AM - 05:40 AM	50.7	43.2	08:15 AM - 08:20 AM	57.5	53.4	10:55 AM - 11:00 AM	55.9	49.8

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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: 24124990
Date Received :Dec 23, 2024
Date Reported :Dec 25, 2024
Report Number :3201653-1

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

Sample Number 24124990-9
Parameter Noise Level (Leq 5 min)
Location บ้านพักอาศัย หมู่ 2 ซ.มาบยางพร 15 (N2) (GPS 47P 0733648, 1434012)
Measurement Date Dec 16 - Dec 17, 2024
Measurement by Panuwat Wangbong
Sound Level meter Serial No. 623392

Dec 16, 2024 Time	Leq dB(A)	L90 dB(A)	Dec 16, 2024 Time	Leq dB(A)	L90 dB(A)	Dec 16, 2024 Time	Leq dB(A)	L90 dB(A)
11:00 AM - 11:05 AM	54.0	48.7	01:40 PM - 01:45 PM	52.8	44.7	04:20 PM - 04:25 PM	58.7	51.6
11:05 AM - 11:10 AM	55.6	51.3	01:45 PM - 01:50 PM	53.9	46.3	04:25 PM - 04:30 PM	54.6	52.0
11:10 AM - 11:15 AM	59.1	52.4	01:50 PM - 01:55 PM	50.8	45.8	04:30 PM - 04:35 PM	53.2	51.1
11:15 AM - 11:20 AM	59.5	51.2	01:55 PM - 02:00 PM	51.1	45.9	04:35 PM - 04:40 PM	56.3	52.5
11:20 AM - 11:25 AM	57.8	48.1	02:00 PM - 02:05 PM	52.2	48.0	04:40 PM - 04:45 PM	56.7	52.1
11:25 AM - 11:30 AM	58.6	52.4	02:05 PM - 02:10 PM	52.9	47.3	04:45 PM - 04:50 PM	55.0	50.4
11:30 AM - 11:35 AM	56.9	48.6	02:10 PM - 02:15 PM	52.7	46.1	04:50 PM - 04:55 PM	63.9	46.0
11:35 AM - 11:40 AM	55.6	47.5	02:15 PM - 02:20 PM	53.0	48.4	04:55 PM - 05:00 PM	51.8	46.2
11:40 AM - 11:45 AM	53.6	47.5	02:20 PM - 02:25 PM	57.3	54.4	05:00 PM - 05:05 PM	54.4	44.4
11:45 AM - 11:50 AM	65.6	49.9	02:25 PM - 02:30 PM	58.8	55.3	05:05 PM - 05:10 PM	55.8	45.3
11:50 AM - 11:55 AM	63.0	47.5	02:30 PM - 02:35 PM	55.0	46.9	05:10 PM - 05:15 PM	51.0	43.9
11:55 AM - 12:00 PM	57.5	45.7	02:35 PM - 02:40 PM	52.5	45.6	05:15 PM - 05:20 PM	49.8	42.8
12:00 PM - 12:05 PM	55.3	45.3	02:40 PM - 02:45 PM	52.7	44.4	05:20 PM - 05:25 PM	54.7	44.8
12:05 PM - 12:10 PM	60.0	49.1	02:45 PM - 02:50 PM	51.8	47.3	05:25 PM - 05:30 PM	56.8	44.2
12:10 PM - 12:15 PM	56.1	47.0	02:50 PM - 02:55 PM	53.5	46.2	05:30 PM - 05:35 PM	53.3	44.7
12:15 PM - 12:20 PM	60.3	46.6	02:55 PM - 03:00 PM	50.0	43.7	05:35 PM - 05:40 PM	54.0	42.3
12:20 PM - 12:25 PM	55.1	45.2	03:00 PM - 03:05 PM	55.2	48.4	05:40 PM - 05:45 PM	52.7	43.1
12:25 PM - 12:30 PM	58.5	44.2	03:05 PM - 03:10 PM	56.1	48.5	05:45 PM - 05:50 PM	54.5	43.1
12:30 PM - 12:35 PM	65.6	45.1	03:10 PM - 03:15 PM	57.9	48.3	05:50 PM - 05:55 PM	48.9	41.3
12:35 PM - 12:40 PM	50.6	43.4	03:15 PM - 03:20 PM	49.9	41.9	05:55 PM - 06:00 PM	53.2	41.5
12:40 PM - 12:45 PM	63.0	50.0	03:20 PM - 03:25 PM	48.0	42.8	06:00 PM - 06:05 PM	50.5	41.1
12:45 PM - 12:50 PM	53.3	47.9	03:25 PM - 03:30 PM	53.2	43.3	06:05 PM - 06:10 PM	52.3	40.8
12:50 PM - 12:55 PM	51.8	46.2	03:30 PM - 03:35 PM	55.3	43.6	06:10 PM - 06:15 PM	51.2	41.7
12:55 PM - 01:00 PM	71.3	51.8	03:35 PM - 03:40 PM	50.5	40.8	06:15 PM - 06:20 PM	60.4	42.5
01:00 PM - 01:05 PM	69.4	47.5	03:40 PM - 03:45 PM	55.4	43.1	06:20 PM - 06:25 PM	48.3	42.1
01:05 PM - 01:10 PM	54.1	47.3	03:45 PM - 03:50 PM	52.1	45.3	06:25 PM - 06:30 PM	47.5	42.1
01:10 PM - 01:15 PM	51.4	44.9	03:50 PM - 03:55 PM	49.6	45.1	06:30 PM - 06:35 PM	51.8	42.3
01:15 PM - 01:20 PM	54.0	47.8	03:55 PM - 04:00 PM	49.1	44.9	06:35 PM - 06:40 PM	55.8	43.8
01:20 PM - 01:25 PM	53.2	46.2	04:00 PM - 04:05 PM	53.3	45.5	06:40 PM - 06:45 PM	53.3	43.0
01:25 PM - 01:30 PM	51.8	47.0	04:05 PM - 04:10 PM	54.0	46.3	06:45 PM - 06:50 PM	58.7	43.7
01:30 PM - 01:35 PM	53.2	46.8	04:10 PM - 04:15 PM	51.1	45.5	06:50 PM - 06:55 PM	50.5	44.2
01:35 PM - 01:40 PM	51.9	45.5	04:15 PM - 04:20 PM	54.0	46.9	06:55 PM - 07:00 PM	51.4	43.8

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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: 24124990
Date Received :Dec 23, 2024
Date Reported :Dec 25, 2024
Report Number :3201653-1

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

Sample Number 24124990-9
Parameter Noise Level (Leq 5 min)
Location บ้านพักอาศัย หมู่ 2 ซ.มาบยางพร 15 (N2) (GPS 47P 0733648, 1434012)
Measurement Date Dec 16 - Dec 17, 2024
Measurement by Panuwat Wangbong
Sound Level meter Serial No. 623392

Dec 16, 2024 Time	Leq dB(A)	L90 dB(A)	Dec 16 - Dec 17, 2024 Time	Leq dB(A)	L90 dB(A)	Dec 17, 2024 Time	Leq dB(A)	L90 dB(A)
07:00 PM - 07:05 PM	51.0	43.5	09:40 PM - 09:45 PM	45.0	40.9	12:20 AM - 12:25 AM	38.4	35.7
07:05 PM - 07:10 PM	52.3	43.4	09:45 PM - 09:50 PM	45.8	41.7	12:25 AM - 12:30 AM	38.4	35.6
07:10 PM - 07:15 PM	56.2	46.4	09:50 PM - 09:55 PM	60.8	43.3	12:30 AM - 12:35 AM	47.8	35.9
07:15 PM - 07:20 PM	53.4	44.5	09:55 PM - 10:00 PM	46.6	42.0	12:35 AM - 12:40 AM	45.0	35.6
07:20 PM - 07:25 PM	55.9	43.7	10:00 PM - 10:05 PM	46.7	40.9	12:40 AM - 12:45 AM	43.0	36.5
07:25 PM - 07:30 PM	54.5	42.7	10:05 PM - 10:10 PM	46.5	42.3	12:45 AM - 12:50 AM	46.0	35.8
07:30 PM - 07:35 PM	55.9	43.0	10:10 PM - 10:15 PM	46.6	40.6	12:50 AM - 12:55 AM	43.5	35.9
07:35 PM - 07:40 PM	51.5	41.4	10:15 PM - 10:20 PM	65.1	40.9	12:55 AM - 01:00 AM	35.3	34.1
07:40 PM - 07:45 PM	50.7	40.1	10:20 PM - 10:25 PM	45.9	40.5	01:00 AM - 01:05 AM	36.5	34.3
07:45 PM - 07:50 PM	54.6	42.1	10:25 PM - 10:30 PM	44.6	40.6	01:05 AM - 01:10 AM	48.8	35.7
07:50 PM - 07:55 PM	58.9	47.0	10:30 PM - 10:35 PM	42.7	40.1	01:10 AM - 01:15 AM	45.6	35.8
07:55 PM - 08:00 PM	57.3	47.0	10:35 PM - 10:40 PM	44.1	39.9	01:15 AM - 01:20 AM	41.2	35.6
08:00 PM - 08:05 PM	53.2	43.8	10:40 PM - 10:45 PM	43.4	39.6	01:20 AM - 01:25 AM	43.3	35.2
08:05 PM - 08:10 PM	58.2	44.3	10:45 PM - 10:50 PM	48.9	39.8	01:25 AM - 01:30 AM	43.2	34.5
08:10 PM - 08:15 PM	52.3	43.9	10:50 PM - 10:55 PM	44.4	40.6	01:30 AM - 01:35 AM	47.8	34.2
08:15 PM - 08:20 PM	54.5	44.3	10:55 PM - 11:00 PM	44.1	39.5	01:35 AM - 01:40 AM	36.8	34.6
08:20 PM - 08:25 PM	55.0	44.7	11:00 PM - 11:05 PM	48.3	38.9	01:40 AM - 01:45 AM	46.6	34.5
08:25 PM - 08:30 PM	50.6	44.4	11:05 PM - 11:10 PM	44.2	38.9	01:45 AM - 01:50 AM	43.2	35.1
08:30 PM - 08:35 PM	51.1	42.8	11:10 PM - 11:15 PM	44.4	39.5	01:50 AM - 01:55 AM	40.2	35.4
08:35 PM - 08:40 PM	53.1	44.0	11:15 PM - 11:20 PM	43.1	38.2	01:55 AM - 02:00 AM	46.2	34.2
08:40 PM - 08:45 PM	52.4	43.3	11:20 PM - 11:25 PM	53.0	38.2	02:00 AM - 02:05 AM	35.2	34.0
08:45 PM - 08:50 PM	53.0	44.2	11:25 PM - 11:30 PM	47.2	37.2	02:05 AM - 02:10 AM	36.4	34.1
08:50 PM - 08:55 PM	54.2	44.1	11:30 PM - 11:35 PM	50.3	38.2	02:10 AM - 02:15 AM	36.3	34.0
08:55 PM - 09:00 PM	56.6	45.1	11:35 PM - 11:40 PM	39.2	37.7	02:15 AM - 02:20 AM	35.6	34.1
09:00 PM - 09:05 PM	52.0	43.1	11:40 PM - 11:45 PM	39.9	37.1	02:20 AM - 02:25 AM	36.1	34.3
09:05 PM - 09:10 PM	63.2	43.6	11:45 PM - 11:50 PM	39.7	36.8	02:25 AM - 02:30 AM	36.6	34.9
09:10 PM - 09:15 PM	52.9	43.8	11:50 PM - 11:55 PM	53.2	37.1	02:30 AM - 02:35 AM	37.3	34.8
09:15 PM - 09:20 PM	52.7	43.2	11:55 PM - 12:00 AM	48.1	36.5	02:35 AM - 02:40 AM	36.0	34.2
09:20 PM - 09:25 PM	50.8	42.2	12:00 AM - 12:05 AM	50.9	37.1	02:40 AM - 02:45 AM	39.7	34.7
09:25 PM - 09:30 PM	49.3	43.8	12:05 AM - 12:10 AM	49.4	35.9	02:45 AM - 02:50 AM	37.4	33.7
09:30 PM - 09:35 PM	47.5	42.0	12:10 AM - 12:15 AM	40.5	35.8	02:50 AM - 02:55 AM	40.4	34.9
09:35 PM - 09:40 PM	47.0	40.5	12:15 AM - 12:20 AM	39.0	35.3	02:55 AM - 03:00 AM	42.6	34.9

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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: 24124990
Date Received :Dec 23, 2024
Date Reported :Dec 25, 2024
Report Number :3201653-1

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

Sample Number 24124990-9
Parameter Noise Level (Leq 5 min)
Location บ้านพักอาศัย หมู่ 2 ซ.มาบยางพร 15 (N2) (GPS 47P 0733648, 1434012)
Measurement Date Dec 16 - Dec 17, 2024
Measurement by Panuwat Wangbong
Sound Level meter Serial No. 623392

Dec 17, 2024 Time	Leq dB(A)	L90 dB(A)	Dec 17, 2024 Time	Leq dB(A)	L90 dB(A)	Dec 17, 2024 Time	Leq dB(A)	L90 dB(A)
03:00 AM - 03:05 AM	35.7	33.8	05:40 AM - 05:45 AM	53.8	40.4	08:20 AM - 08:25 AM	57.8	55.2
03:05 AM - 03:10 AM	37.2	34.2	05:45 AM - 05:50 AM	51.8	41.6	08:25 AM - 08:30 AM	58.8	55.2
03:10 AM - 03:15 AM	35.6	34.1	05:50 AM - 05:55 AM	54.3	42.9	08:30 AM - 08:35 AM	58.9	55.5
03:15 AM - 03:20 AM	34.7	33.2	05:55 AM - 06:00 AM	53.1	44.2	08:35 AM - 08:40 AM	59.2	54.6
03:20 AM - 03:25 AM	40.5	33.9	06:00 AM - 06:05 AM	53.1	44.9	08:40 AM - 08:45 AM	58.5	54.0
03:25 AM - 03:30 AM	38.2	34.0	06:05 AM - 06:10 AM	55.7	46.2	08:45 AM - 08:50 AM	58.2	54.0
03:30 AM - 03:35 AM	36.4	33.9	06:10 AM - 06:15 AM	53.5	45.2	08:50 AM - 08:55 AM	57.1	52.1
03:35 AM - 03:40 AM	39.1	35.1	06:15 AM - 06:20 AM	53.5	46.4	08:55 AM - 09:00 AM	55.8	51.2
03:40 AM - 03:45 AM	38.1	35.5	06:20 AM - 06:25 AM	55.7	47.5	09:00 AM - 09:05 AM	56.4	51.0
03:45 AM - 03:50 AM	38.7	35.6	06:25 AM - 06:30 AM	56.7	49.6	09:05 AM - 09:10 AM	56.7	50.2
03:50 AM - 03:55 AM	41.2	35.3	06:30 AM - 06:35 AM	54.7	47.2	09:10 AM - 09:15 AM	56.3	50.3
03:55 AM - 04:00 AM	46.7	36.1	06:35 AM - 06:40 AM	56.4	48.5	09:15 AM - 09:20 AM	55.9	51.6
04:00 AM - 04:05 AM	41.0	35.0	06:40 AM - 06:45 AM	55.4	48.7	09:20 AM - 09:25 AM	53.9	49.3
04:05 AM - 04:10 AM	39.5	34.8	06:45 AM - 06:50 AM	60.2	51.0	09:25 AM - 09:30 AM	53.4	48.8
04:10 AM - 04:15 AM	41.2	35.1	06:50 AM - 06:55 AM	60.5	51.0	09:30 AM - 09:35 AM	51.6	46.4
04:15 AM - 04:20 AM	38.0	35.5	06:55 AM - 07:00 AM	57.5	49.5	09:35 AM - 09:40 AM	53.0	47.6
04:20 AM - 04:25 AM	46.6	36.5	07:00 AM - 07:05 AM	56.3	49.6	09:40 AM - 09:45 AM	54.7	50.1
04:25 AM - 04:30 AM	45.0	36.8	07:05 AM - 07:10 AM	55.9	50.0	09:45 AM - 09:50 AM	56.5	50.5
04:30 AM - 04:35 AM	46.1	36.1	07:10 AM - 07:15 AM	58.2	51.0	09:50 AM - 09:55 AM	57.9	50.0
04:35 AM - 04:40 AM	45.0	36.8	07:15 AM - 07:20 AM	64.8	50.7	09:55 AM - 10:00 AM	59.2	50.9
04:40 AM - 04:45 AM	41.5	37.0	07:20 AM - 07:25 AM	62.8	51.6	10:00 AM - 10:05 AM	56.4	50.2
04:45 AM - 04:50 AM	41.7	37.5	07:25 AM - 07:30 AM	67.4	51.6	10:05 AM - 10:10 AM	55.7	51.5
04:50 AM - 04:55 AM	50.9	39.3	07:30 AM - 07:35 AM	56.6	50.4	10:10 AM - 10:15 AM	55.2	51.6
04:55 AM - 05:00 AM	48.4	39.2	07:35 AM - 07:40 AM	54.5	48.5	10:15 AM - 10:20 AM	54.4	50.2
05:00 AM - 05:05 AM	44.4	38.4	07:40 AM - 07:45 AM	55.7	48.3	10:20 AM - 10:25 AM	56.6	49.8
05:05 AM - 05:10 AM	44.5	38.6	07:45 AM - 07:50 AM	56.9	47.9	10:25 AM - 10:30 AM	54.1	48.4
05:10 AM - 05:15 AM	49.6	39.5	07:50 AM - 07:55 AM	58.7	50.0	10:30 AM - 10:35 AM	54.6	48.6
05:15 AM - 05:20 AM	48.0	39.9	07:55 AM - 08:00 AM	57.7	51.8	10:35 AM - 10:40 AM	54.9	48.8
05:20 AM - 05:25 AM	44.7	40.4	08:00 AM - 08:05 AM	58.6	48.7	10:40 AM - 10:45 AM	59.9	50.5
05:25 AM - 05:30 AM	45.5	39.5	08:05 AM - 08:10 AM	56.9	54.5	10:45 AM - 10:50 AM	59.5	49.4
05:30 AM - 05:35 AM	47.9	38.6	08:10 AM - 08:15 AM	59.2	56.5	10:50 AM - 10:55 AM	59.8	47.8
05:35 AM - 05:40 AM	50.6	41.3	08:15 AM - 08:20 AM	60.0	55.5	10:55 AM - 11:00 AM	56.5	49.3

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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: 24124990
Date Received :Dec 23, 2024
Date Reported :Dec 25, 2024
Report Number :3201654-1

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

Sample Number 24124990-10
Parameter Noise Level (Leq 5 min)
Location บ้านพักอาศัย หมู่ 2 ซ.มาบยางพร 15 (N2) (GPS 47P 0733648, 1434012)
Measurement Date Dec 17 - Dec 18, 2024
Measurement by Panuwat Wangbong
Sound Level meter Serial No. 623392

Dec 17, 2024 Time	Leq dB(A)	L90 dB(A)	Dec 17, 2024 Time	Leq dB(A)	L90 dB(A)	Dec 17, 2024 Time	Leq dB(A)	L90 dB(A)
11:00 AM - 11:05 AM	55.5	48.9	01:40 PM - 01:45 PM	55.2	47.2	04:20 PM - 04:25 PM	60.8	47.4
11:05 AM - 11:10 AM	58.9	50.5	01:45 PM - 01:50 PM	52.6	44.7	04:25 PM - 04:30 PM	54.7	45.8
11:10 AM - 11:15 AM	62.0	48.6	01:50 PM - 01:55 PM	55.7	46.6	04:30 PM - 04:35 PM	49.4	44.7
11:15 AM - 11:20 AM	52.5	47.1	01:55 PM - 02:00 PM	53.2	47.3	04:35 PM - 04:40 PM	58.5	43.9
11:20 AM - 11:25 AM	57.0	51.8	02:00 PM - 02:05 PM	56.0	49.6	04:40 PM - 04:45 PM	53.7	45.7
11:25 AM - 11:30 AM	54.8	47.8	02:05 PM - 02:10 PM	52.2	46.7	04:45 PM - 04:50 PM	54.3	45.3
11:30 AM - 11:35 AM	58.1	47.4	02:10 PM - 02:15 PM	56.9	48.0	04:50 PM - 04:55 PM	58.1	49.0
11:35 AM - 11:40 AM	58.0	48.0	02:15 PM - 02:20 PM	53.7	47.1	04:55 PM - 05:00 PM	53.6	45.1
11:40 AM - 11:45 AM	52.7	47.1	02:20 PM - 02:25 PM	51.2	44.8	05:00 PM - 05:05 PM	53.1	45.3
11:45 AM - 11:50 AM	60.1	49.9	02:25 PM - 02:30 PM	52.3	45.4	05:05 PM - 05:10 PM	51.8	44.9
11:50 AM - 11:55 AM	61.8	46.9	02:30 PM - 02:35 PM	51.6	46.6	05:10 PM - 05:15 PM	52.2	43.3
11:55 AM - 12:00 PM	57.3	46.8	02:35 PM - 02:40 PM	66.5	60.1	05:15 PM - 05:20 PM	51.3	44.0
12:00 PM - 12:05 PM	49.7	45.0	02:40 PM - 02:45 PM	57.3	44.6	05:20 PM - 05:25 PM	48.9	43.9
12:05 PM - 12:10 PM	54.3	42.9	02:45 PM - 02:50 PM	56.1	47.0	05:25 PM - 05:30 PM	53.1	44.2
12:10 PM - 12:15 PM	53.5	46.5	02:50 PM - 02:55 PM	50.1	46.5	05:30 PM - 05:35 PM	55.0	46.2
12:15 PM - 12:20 PM	52.6	44.9	02:55 PM - 03:00 PM	50.5	44.8	05:35 PM - 05:40 PM	58.0	47.0
12:20 PM - 12:25 PM	57.4	49.3	03:00 PM - 03:05 PM	54.3	48.4	05:40 PM - 05:45 PM	61.4	47.9
12:25 PM - 12:30 PM	56.5	46.4	03:05 PM - 03:10 PM	51.7	46.2	05:45 PM - 05:50 PM	53.1	44.9
12:30 PM - 12:35 PM	56.5	48.1	03:10 PM - 03:15 PM	61.2	45.2	05:50 PM - 05:55 PM	54.8	45.1
12:35 PM - 12:40 PM	57.2	49.9	03:15 PM - 03:20 PM	50.7	46.2	05:55 PM - 06:00 PM	53.4	45.0
12:40 PM - 12:45 PM	55.5	46.0	03:20 PM - 03:25 PM	54.2	47.9	06:00 PM - 06:05 PM	52.7	44.5
12:45 PM - 12:50 PM	58.4	46.9	03:25 PM - 03:30 PM	52.9	46.9	06:05 PM - 06:10 PM	50.8	44.3
12:50 PM - 12:55 PM	61.0	47.5	03:30 PM - 03:35 PM	52.5	47.9	06:10 PM - 06:15 PM	51.7	43.4
12:55 PM - 01:00 PM	53.6	47.9	03:35 PM - 03:40 PM	62.7	50.3	06:15 PM - 06:20 PM	54.1	43.8
01:00 PM - 01:05 PM	55.3	47.9	03:40 PM - 03:45 PM	61.7	49.0	06:20 PM - 06:25 PM	48.8	44.2
01:05 PM - 01:10 PM	54.5	45.6	03:45 PM - 03:50 PM	58.8	47.5	06:25 PM - 06:30 PM	60.3	44.7
01:10 PM - 01:15 PM	53.8	46.2	03:50 PM - 03:55 PM	57.2	46.2	06:30 PM - 06:35 PM	49.4	43.2
01:15 PM - 01:20 PM	53.8	46.0	03:55 PM - 04:00 PM	55.8	47.7	06:35 PM - 06:40 PM	49.8	43.5
01:20 PM - 01:25 PM	52.4	45.8	04:00 PM - 04:05 PM	55.5	47.6	06:40 PM - 06:45 PM	48.3	42.8
01:25 PM - 01:30 PM	52.1	44.8	04:05 PM - 04:10 PM	54.2	49.4	06:45 PM - 06:50 PM	49.0	43.9
01:30 PM - 01:35 PM	55.7	47.4	04:10 PM - 04:15 PM	52.0	45.5	06:50 PM - 06:55 PM	51.5	44.6
01:35 PM - 01:40 PM	50.0	43.6	04:15 PM - 04:20 PM	52.5	44.5	06:55 PM - 07:00 PM	51.4	43.8

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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: 24124990
Date Received :Dec 23, 2024
Date Reported :Dec 25, 2024
Report Number :3201654-1

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

Sample Number 24124990-10
Parameter Noise Level (Leq 5 min)
Location บ้านพักอาศัย หมู่ 2 ซ.มาบยางพร 15 (N2) (GPS 47P 0733648, 1434012)
Measurement Date Dec 17 - Dec 18, 2024
Measurement by Panuwat Wangbong
Sound Level meter Serial No. 623392

Dec 17, 2024 Time	Leq dB(A)	L90 dB(A)	Dec 17 - Dec 18, 2024 Time	Leq dB(A)	L90 dB(A)	Dec 18, 2024 Time	Leq dB(A)	L90 dB(A)
07:00 PM - 07:05 PM	54.7	43.2	09:40 PM - 09:45 PM	57.6	40.4	12:20 AM - 12:25 AM	61.8	38.7
07:05 PM - 07:10 PM	56.1	44.5	09:45 PM - 09:50 PM	47.8	41.4	12:25 AM - 12:30 AM	44.2	37.2
07:10 PM - 07:15 PM	51.5	45.5	09:50 PM - 09:55 PM	46.2	40.5	12:30 AM - 12:35 AM	62.1	37.7
07:15 PM - 07:20 PM	54.1	44.5	09:55 PM - 10:00 PM	46.7	40.1	12:35 AM - 12:40 AM	52.0	37.8
07:20 PM - 07:25 PM	54.6	46.1	10:00 PM - 10:05 PM	44.2	40.5	12:40 AM - 12:45 AM	44.4	36.5
07:25 PM - 07:30 PM	56.4	44.9	10:05 PM - 10:10 PM	42.8	38.7	12:45 AM - 12:50 AM	37.9	35.9
07:30 PM - 07:35 PM	51.9	43.4	10:10 PM - 10:15 PM	43.5	38.1	12:50 AM - 12:55 AM	38.5	36.1
07:35 PM - 07:40 PM	52.5	43.5	10:15 PM - 10:20 PM	44.2	37.8	12:55 AM - 01:00 AM	38.6	36.4
07:40 PM - 07:45 PM	52.2	42.2	10:20 PM - 10:25 PM	46.2	38.5	01:00 AM - 01:05 AM	41.8	36.6
07:45 PM - 07:50 PM	51.1	43.3	10:25 PM - 10:30 PM	40.0	37.0	01:05 AM - 01:10 AM	38.5	36.2
07:50 PM - 07:55 PM	54.1	45.9	10:30 PM - 10:35 PM	40.7	37.4	01:10 AM - 01:15 AM	39.8	36.5
07:55 PM - 08:00 PM	55.9	46.3	10:35 PM - 10:40 PM	43.0	38.6	01:15 AM - 01:20 AM	40.7	36.8
08:00 PM - 08:05 PM	55.5	45.5	10:40 PM - 10:45 PM	41.8	38.0	01:20 AM - 01:25 AM	41.1	36.2
08:05 PM - 08:10 PM	54.9	45.2	10:45 PM - 10:50 PM	40.8	37.5	01:25 AM - 01:30 AM	39.9	37.4
08:10 PM - 08:15 PM	53.1	44.0	10:50 PM - 10:55 PM	43.5	37.8	01:30 AM - 01:35 AM	39.7	36.1
08:15 PM - 08:20 PM	54.2	43.1	10:55 PM - 11:00 PM	48.7	39.7	01:35 AM - 01:40 AM	41.4	36.4
08:20 PM - 08:25 PM	53.2	43.8	11:00 PM - 11:05 PM	41.9	39.1	01:40 AM - 01:45 AM	40.0	36.5
08:25 PM - 08:30 PM	53.8	43.0	11:05 PM - 11:10 PM	44.6	39.3	01:45 AM - 01:50 AM	40.5	36.4
08:30 PM - 08:35 PM	54.7	43.3	11:10 PM - 11:15 PM	41.5	38.3	01:50 AM - 01:55 AM	38.1	36.0
08:35 PM - 08:40 PM	51.6	44.0	11:15 PM - 11:20 PM	42.1	38.7	01:55 AM - 02:00 AM	43.1	36.4
08:40 PM - 08:45 PM	53.5	43.6	11:20 PM - 11:25 PM	40.4	38.0	02:00 AM - 02:05 AM	44.4	36.9
08:45 PM - 08:50 PM	48.3	42.1	11:25 PM - 11:30 PM	42.1	37.7	02:05 AM - 02:10 AM	38.5	35.7
08:50 PM - 08:55 PM	44.6	41.6	11:30 PM - 11:35 PM	46.2	38.7	02:10 AM - 02:15 AM	43.1	36.2
08:55 PM - 09:00 PM	46.1	41.5	11:35 PM - 11:40 PM	46.7	38.2	02:15 AM - 02:20 AM	38.2	35.9
09:00 PM - 09:05 PM	50.1	41.4	11:40 PM - 11:45 PM	49.4	37.8	02:20 AM - 02:25 AM	37.8	35.7
09:05 PM - 09:10 PM	48.5	40.7	11:45 PM - 11:50 PM	43.1	37.1	02:25 AM - 02:30 AM	38.2	35.2
09:10 PM - 09:15 PM	53.5	40.6	11:50 PM - 11:55 PM	52.3	38.9	02:30 AM - 02:35 AM	36.9	35.0
09:15 PM - 09:20 PM	52.6	39.8	11:55 PM - 12:00 AM	57.9	40.4	02:35 AM - 02:40 AM	36.7	34.7
09:20 PM - 09:25 PM	45.3	40.4	12:00 AM - 12:05 AM	55.2	39.2	02:40 AM - 02:45 AM	38.7	34.6
09:25 PM - 09:30 PM	44.0	39.7	12:05 AM - 12:10 AM	54.8	37.1	02:45 AM - 02:50 AM	36.2	34.9
09:30 PM - 09:35 PM	43.7	39.6	12:10 AM - 12:15 AM	48.8	37.6	02:50 AM - 02:55 AM	43.4	35.6
09:35 PM - 09:40 PM	47.8	39.1	12:15 AM - 12:20 AM	49.3	37.7	02:55 AM - 03:00 AM	39.1	35.9

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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: 24124990
Date Received :Dec 23, 2024
Date Reported :Dec 25, 2024
Report Number :3201654-1

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

Sample Number	24124990-10
Parameter	Noise Level (Leq 5 min)
Location	บ้านพักอาศัย หมู่ 2 ซ.มาบยางพร 15 (N2) (GPS 47P 0733648, 1434012)
Measurement Date	Dec 17 - Dec 18, 2024
Measurement by	Panuwat Wangbong
Sound Level meter	Serial No. 623392

Dec 18, 2024 Time	Leq dB(A)	L90 dB(A)	Dec 18, 2024 Time	Leq dB(A)	L90 dB(A)	Dec 18, 2024 Time	Leq dB(A)	L90 dB(A)
03:00 AM - 03:05 AM	40.0	36.4	05:40 AM - 05:45 AM	48.9	41.6	08:20 AM - 08:25 AM	54.7	49.2
03:05 AM - 03:10 AM	41.3	35.8	05:45 AM - 05:50 AM	50.9	42.7	08:25 AM - 08:30 AM	55.5	50.7
03:10 AM - 03:15 AM	43.3	36.3	05:50 AM - 05:55 AM	51.7	43.7	08:30 AM - 08:35 AM	56.3	52.4
03:15 AM - 03:20 AM	43.3	35.8	05:55 AM - 06:00 AM	53.3	44.8	08:35 AM - 08:40 AM	58.5	54.3
03:20 AM - 03:25 AM	40.9	35.8	06:00 AM - 06:05 AM	53.3	47.2	08:40 AM - 08:45 AM	57.0	51.6
03:25 AM - 03:30 AM	41.8	35.0	06:05 AM - 06:10 AM	54.2	46.1	08:45 AM - 08:50 AM	62.3	49.1
03:30 AM - 03:35 AM	44.8	34.8	06:10 AM - 06:15 AM	54.8	45.9	08:50 AM - 08:55 AM	51.3	47.6
03:35 AM - 03:40 AM	40.8	35.9	06:15 AM - 06:20 AM	53.9	45.9	08:55 AM - 09:00 AM	54.3	49.7
03:40 AM - 03:45 AM	39.4	35.3	06:20 AM - 06:25 AM	56.7	47.0	09:00 AM - 09:05 AM	56.4	50.0
03:45 AM - 03:50 AM	39.8	36.6	06:25 AM - 06:30 AM	54.0	47.3	09:05 AM - 09:10 AM	69.3	50.7
03:50 AM - 03:55 AM	40.8	36.3	06:30 AM - 06:35 AM	54.5	48.4	09:10 AM - 09:15 AM	69.4	50.4
03:55 AM - 04:00 AM	43.8	37.2	06:35 AM - 06:40 AM	55.0	46.9	09:15 AM - 09:20 AM	57.6	52.3
04:00 AM - 04:05 AM	42.8	37.0	06:40 AM - 06:45 AM	56.0	47.6	09:20 AM - 09:25 AM	55.4	50.7
04:05 AM - 04:10 AM	39.6	36.6	06:45 AM - 06:50 AM	53.9	47.6	09:25 AM - 09:30 AM	58.4	54.0
04:10 AM - 04:15 AM	53.7	36.5	06:50 AM - 06:55 AM	55.9	47.5	09:30 AM - 09:35 AM	57.6	52.0
04:15 AM - 04:20 AM	53.4	36.7	06:55 AM - 07:00 AM	55.4	49.3	09:35 AM - 09:40 AM	58.4	53.8
04:20 AM - 04:25 AM	49.0	37.5	07:00 AM - 07:05 AM	58.6	50.3	09:40 AM - 09:45 AM	58.1	53.0
04:25 AM - 04:30 AM	47.6	39.3	07:05 AM - 07:10 AM	58.5	50.6	09:45 AM - 09:50 AM	57.9	54.2
04:30 AM - 04:35 AM	52.8	38.4	07:10 AM - 07:15 AM	57.0	51.7	09:50 AM - 09:55 AM	56.5	51.4
04:35 AM - 04:40 AM	48.0	37.2	07:15 AM - 07:20 AM	57.6	50.3	09:55 AM - 10:00 AM	55.3	48.9
04:40 AM - 04:45 AM	47.5	36.9	07:20 AM - 07:25 AM	57.1	50.8	10:00 AM - 10:05 AM	56.5	52.5
04:45 AM - 04:50 AM	44.1	36.4	07:25 AM - 07:30 AM	63.2	52.1	10:05 AM - 10:10 AM	59.4	53.6
04:50 AM - 04:55 AM	46.1	37.4	07:30 AM - 07:35 AM	61.2	51.8	10:10 AM - 10:15 AM	56.9	53.0
04:55 AM - 05:00 AM	49.6	38.1	07:35 AM - 07:40 AM	65.8	50.9	10:15 AM - 10:20 AM	56.9	52.2
05:00 AM - 05:05 AM	45.0	36.2	07:40 AM - 07:45 AM	53.7	49.0	10:20 AM - 10:25 AM	55.7	52.3
05:05 AM - 05:10 AM	42.0	36.4	07:45 AM - 07:50 AM	55.3	48.0	10:25 AM - 10:30 AM	57.9	52.6
05:10 AM - 05:15 AM	44.4	37.1	07:50 AM - 07:55 AM	58.8	51.2	10:30 AM - 10:35 AM	59.3	56.2
05:15 AM - 05:20 AM	49.5	40.0	07:55 AM - 08:00 AM	67.9	56.7	10:35 AM - 10:40 AM	58.3	56.0
05:20 AM - 05:25 AM	46.4	40.5	08:00 AM - 08:05 AM	58.9	50.3	10:40 AM - 10:45 AM	72.1	56.0
05:25 AM - 05:30 AM	43.3	38.6	08:05 AM - 08:10 AM	54.8	49.1	10:45 AM - 10:50 AM	56.2	52.3
05:30 AM - 05:35 AM	47.8	40.2	08:10 AM - 08:15 AM	56.7	53.0	10:50 AM - 10:55 AM	57.7	53.6
05:35 AM - 05:40 AM	51.0	41.2	08:15 AM - 08:20 AM	55.3	50.3	10:55 AM - 11:00 AM	61.3	54.4

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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: 24124990
Date Received :Dec 23, 2024
Date Reported :Dec 25, 2024
Report Number :3201655-1

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

Sample Number 24124990-11
Parameter Noise Level (Leq 5 min)
Location บ้านพักอาศัย หมู่ 2 ซ.มาบยางพร 15 (N2) (GPS 47P 0733648, 1434012)
Measurement Date Dec 18 - Dec 19, 2024
Measurement by Panuwat Wangbong
Sound Level meter Serial No. 623392

Dec 18, 2024 Time	Leq dB(A)	L90 dB(A)	Dec 18, 2024 Time	Leq dB(A)	L90 dB(A)	Dec 18, 2024 Time	Leq dB(A)	L90 dB(A)
11:00 AM - 11:05 AM	60.6	56.8	01:40 PM - 01:45 PM	63.0	45.7	04:20 PM - 04:25 PM	59.1	52.8
11:05 AM - 11:10 AM	62.1	56.6	01:45 PM - 01:50 PM	66.9	46.3	04:25 PM - 04:30 PM	62.2	54.4
11:10 AM - 11:15 AM	59.7	57.3	01:50 PM - 01:55 PM	53.9	47.0	04:30 PM - 04:35 PM	59.9	55.7
11:15 AM - 11:20 AM	59.6	56.5	01:55 PM - 02:00 PM	56.0	46.8	04:35 PM - 04:40 PM	57.3	53.6
11:20 AM - 11:25 AM	57.7	54.0	02:00 PM - 02:05 PM	59.5	44.3	04:40 PM - 04:45 PM	65.9	56.2
11:25 AM - 11:30 AM	58.4	53.1	02:05 PM - 02:10 PM	50.2	43.3	04:45 PM - 04:50 PM	60.0	50.3
11:30 AM - 11:35 AM	55.6	47.3	02:10 PM - 02:15 PM	51.2	42.3	04:50 PM - 04:55 PM	66.6	49.4
11:35 AM - 11:40 AM	56.2	47.6	02:15 PM - 02:20 PM	51.6	47.7	04:55 PM - 05:00 PM	55.4	48.9
11:40 AM - 11:45 AM	56.0	49.0	02:20 PM - 02:25 PM	52.9	45.5	05:00 PM - 05:05 PM	54.9	46.4
11:45 AM - 11:50 AM	58.2	48.1	02:25 PM - 02:30 PM	55.7	52.1	05:05 PM - 05:10 PM	54.8	47.5
11:50 AM - 11:55 AM	57.7	47.6	02:30 PM - 02:35 PM	62.3	52.6	05:10 PM - 05:15 PM	63.1	46.3
11:55 AM - 12:00 PM	56.5	47.4	02:35 PM - 02:40 PM	57.9	51.1	05:15 PM - 05:20 PM	56.4	45.2
12:00 PM - 12:05 PM	55.9	48.7	02:40 PM - 02:45 PM	65.6	53.0	05:20 PM - 05:25 PM	53.3	44.8
12:05 PM - 12:10 PM	52.8	46.2	02:45 PM - 02:50 PM	64.0	53.2	05:25 PM - 05:30 PM	51.5	45.5
12:10 PM - 12:15 PM	53.6	45.7	02:50 PM - 02:55 PM	57.5	49.6	05:30 PM - 05:35 PM	53.8	46.0
12:15 PM - 12:20 PM	54.6	45.1	02:55 PM - 03:00 PM	53.9	45.8	05:35 PM - 05:40 PM	56.2	45.6
12:20 PM - 12:25 PM	51.1	43.9	03:00 PM - 03:05 PM	54.0	46.5	05:40 PM - 05:45 PM	54.6	45.8
12:25 PM - 12:30 PM	52.5	44.5	03:05 PM - 03:10 PM	57.7	49.3	05:45 PM - 05:50 PM	62.5	45.3
12:30 PM - 12:35 PM	51.1	45.4	03:10 PM - 03:15 PM	53.9	47.0	05:50 PM - 05:55 PM	52.3	45.4
12:35 PM - 12:40 PM	50.3	44.6	03:15 PM - 03:20 PM	57.3	48.6	05:55 PM - 06:00 PM	52.2	43.9
12:40 PM - 12:45 PM	55.7	46.6	03:20 PM - 03:25 PM	57.4	48.6	06:00 PM - 06:05 PM	47.5	42.6
12:45 PM - 12:50 PM	52.6	46.6	03:25 PM - 03:30 PM	58.5	47.1	06:05 PM - 06:10 PM	45.8	42.3
12:50 PM - 12:55 PM	49.6	44.5	03:30 PM - 03:35 PM	57.1	49.1	06:10 PM - 06:15 PM	58.0	42.5
12:55 PM - 01:00 PM	50.9	40.8	03:35 PM - 03:40 PM	70.9	51.0	06:15 PM - 06:20 PM	52.7	43.0
01:00 PM - 01:05 PM	55.3	50.3	03:40 PM - 03:45 PM	66.5	46.5	06:20 PM - 06:25 PM	55.7	44.1
01:05 PM - 01:10 PM	53.7	49.6	03:45 PM - 03:50 PM	62.9	44.4	06:25 PM - 06:30 PM	52.8	43.9
01:10 PM - 01:15 PM	53.0	49.1	03:50 PM - 03:55 PM	63.2	49.6	06:30 PM - 06:35 PM	49.3	42.5
01:15 PM - 01:20 PM	54.1	50.9	03:55 PM - 04:00 PM	58.4	47.6	06:35 PM - 06:40 PM	58.4	44.3
01:20 PM - 01:25 PM	52.9	48.5	04:00 PM - 04:05 PM	53.8	46.9	06:40 PM - 06:45 PM	51.9	42.9
01:25 PM - 01:30 PM	54.0	48.9	04:05 PM - 04:10 PM	54.1	45.5	06:45 PM - 06:50 PM	55.8	45.4
01:30 PM - 01:35 PM	54.1	49.8	04:10 PM - 04:15 PM	51.7	44.2	06:50 PM - 06:55 PM	51.8	44.5
01:35 PM - 01:40 PM	53.2	48.5	04:15 PM - 04:20 PM	60.2	52.0	06:55 PM - 07:00 PM	50.9	43.7

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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: 24124990
Date Received :Dec 23, 2024
Date Reported :Dec 25, 2024
Report Number :3201655-1

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

Sample Number 24124990-11
Parameter Noise Level (Leq 5 min)
Location บ้านพักอาศัย หมู่ 2 ซ.มาบยางพร 15 (N2) (GPS 47P 0733648, 1434012)
Measurement Date Dec 18 - Dec 19, 2024
Measurement by Panuwat Wangbong
Sound Level meter Serial No. 623392

Dec 18, 2024 Time	Leq dB(A)	L90 dB(A)	Dec 18 - Dec 19, 2024 Time	Leq dB(A)	L90 dB(A)	Dec 19, 2024 Time	Leq dB(A)	L90 dB(A)
07:00 PM - 07:05 PM	51.1	44.8	09:40 PM - 09:45 PM	51.0	38.9	12:20 AM - 12:25 AM	52.4	38.4
07:05 PM - 07:10 PM	48.2	43.9	09:45 PM - 09:50 PM	44.0	38.7	12:25 AM - 12:30 AM	42.3	38.4
07:10 PM - 07:15 PM	56.7	43.8	09:50 PM - 09:55 PM	43.5	39.3	12:30 AM - 12:35 AM	41.9	38.4
07:15 PM - 07:20 PM	51.2	43.5	09:55 PM - 10:00 PM	50.6	40.5	12:35 AM - 12:40 AM	49.6	37.5
07:20 PM - 07:25 PM	53.5	45.0	10:00 PM - 10:05 PM	42.5	39.9	12:40 AM - 12:45 AM	41.0	37.1
07:25 PM - 07:30 PM	51.0	43.3	10:05 PM - 10:10 PM	43.0	38.1	12:45 AM - 12:50 AM	41.3	38.0
07:30 PM - 07:35 PM	53.9	44.7	10:10 PM - 10:15 PM	41.3	37.1	12:50 AM - 12:55 AM	44.8	38.3
07:35 PM - 07:40 PM	53.3	43.2	10:15 PM - 10:20 PM	52.4	38.0	12:55 AM - 01:00 AM	39.4	36.3
07:40 PM - 07:45 PM	52.3	43.9	10:20 PM - 10:25 PM	46.9	37.3	01:00 AM - 01:05 AM	43.2	36.9
07:45 PM - 07:50 PM	48.5	44.1	10:25 PM - 10:30 PM	45.1	36.3	01:05 AM - 01:10 AM	42.3	37.6
07:50 PM - 07:55 PM	58.8	45.6	10:30 PM - 10:35 PM	47.2	38.1	01:10 AM - 01:15 AM	39.5	37.0
07:55 PM - 08:00 PM	59.4	47.5	10:35 PM - 10:40 PM	46.8	37.4	01:15 AM - 01:20 AM	39.5	36.8
08:00 PM - 08:05 PM	54.0	46.3	10:40 PM - 10:45 PM	50.1	37.7	01:20 AM - 01:25 AM	38.6	36.0
08:05 PM - 08:10 PM	49.0	44.5	10:45 PM - 10:50 PM	44.9	37.8	01:25 AM - 01:30 AM	38.0	35.5
08:10 PM - 08:15 PM	51.5	42.9	10:50 PM - 10:55 PM	43.7	37.8	01:30 AM - 01:35 AM	39.8	35.5
08:15 PM - 08:20 PM	54.6	43.8	10:55 PM - 11:00 PM	42.8	37.6	01:35 AM - 01:40 AM	36.7	35.3
08:20 PM - 08:25 PM	49.6	43.0	11:00 PM - 11:05 PM	38.6	36.4	01:40 AM - 01:45 AM	36.6	35.3
08:25 PM - 08:30 PM	52.1	44.5	11:05 PM - 11:10 PM	45.0	37.9	01:45 AM - 01:50 AM	39.0	35.1
08:30 PM - 08:35 PM	52.5	44.4	11:10 PM - 11:15 PM	48.1	37.8	01:50 AM - 01:55 AM	36.6	35.2
08:35 PM - 08:40 PM	49.9	43.4	11:15 PM - 11:20 PM	42.3	38.1	01:55 AM - 02:00 AM	37.6	36.0
08:40 PM - 08:45 PM	52.1	44.1	11:20 PM - 11:25 PM	47.9	37.5	02:00 AM - 02:05 AM	36.9	35.3
08:45 PM - 08:50 PM	48.7	44.0	11:25 PM - 11:30 PM	48.1	37.3	02:05 AM - 02:10 AM	38.0	35.7
08:50 PM - 08:55 PM	53.7	43.6	11:30 PM - 11:35 PM	42.3	37.1	02:10 AM - 02:15 AM	47.7	35.5
08:55 PM - 09:00 PM	51.5	43.0	11:35 PM - 11:40 PM	40.2	36.5	02:15 AM - 02:20 AM	36.0	35.0
09:00 PM - 09:05 PM	49.0	42.4	11:40 PM - 11:45 PM	43.3	36.9	02:20 AM - 02:25 AM	39.7	35.4
09:05 PM - 09:10 PM	51.5	42.9	11:45 PM - 11:50 PM	50.0	38.1	02:25 AM - 02:30 AM	42.6	35.2
09:10 PM - 09:15 PM	51.3	42.2	11:50 PM - 11:55 PM	45.8	39.6	02:30 AM - 02:35 AM	37.0	35.2
09:15 PM - 09:20 PM	49.5	42.3	11:55 PM - 12:00 AM	44.2	38.2	02:35 AM - 02:40 AM	43.8	35.4
09:20 PM - 09:25 PM	48.7	42.3	12:00 AM - 12:05 AM	42.3	38.5	02:40 AM - 02:45 AM	43.3	36.6
09:25 PM - 09:30 PM	44.7	40.3	12:05 AM - 12:10 AM	42.3	37.5	02:45 AM - 02:50 AM	38.9	36.6
09:30 PM - 09:35 PM	49.4	40.4	12:10 AM - 12:15 AM	50.2	40.8	02:50 AM - 02:55 AM	38.6	36.6
09:35 PM - 09:40 PM	54.3	41.5	12:15 AM - 12:20 AM	42.6	38.1	02:55 AM - 03:00 AM	38.8	37.0

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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: 24124990
Date Received :Dec 23, 2024
Date Reported :Dec 25, 2024
Report Number :3201655-1

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

Sample Number	24124990-11
Parameter	Noise Level (Leq 5 min)
Location	บ้านพักอาศัย หมู่ 2 ซ.มาบยางพร 15 (N2) (GPS 47P 0733648, 1434012)
Measurement Date	Dec 18 - Dec 19, 2024
Measurement by	Panuwat Wangbong
Sound Level meter	Serial No. 623392

Dec 19, 2024 Time	Leq dB(A)	L90 dB(A)	Dec 19, 2024 Time	Leq dB(A)	L90 dB(A)	Dec 19, 2024 Time	Leq dB(A)	L90 dB(A)
03:00 AM - 03:05 AM	45.9	36.8	05:40 AM - 05:45 AM	51.3	44.2	08:20 AM - 08:25 AM	57.2	51.9
03:05 AM - 03:10 AM	38.6	36.9	05:45 AM - 05:50 AM	55.8	46.6	08:25 AM - 08:30 AM	57.9	49.8
03:10 AM - 03:15 AM	38.0	36.3	05:50 AM - 05:55 AM	53.9	45.5	08:30 AM - 08:35 AM	55.0	50.5
03:15 AM - 03:20 AM	37.7	35.8	05:55 AM - 06:00 AM	52.8	47.1	08:35 AM - 08:40 AM	57.7	50.6
03:20 AM - 03:25 AM	39.1	35.8	06:00 AM - 06:05 AM	53.6	47.4	08:40 AM - 08:45 AM	64.5	52.7
03:25 AM - 03:30 AM	38.9	36.3	06:05 AM - 06:10 AM	66.0	49.1	08:45 AM - 08:50 AM	56.3	49.5
03:30 AM - 03:35 AM	38.8	36.7	06:10 AM - 06:15 AM	55.7	48.0	08:50 AM - 08:55 AM	54.0	47.9
03:35 AM - 03:40 AM	38.6	36.1	06:15 AM - 06:20 AM	54.0	48.4	08:55 AM - 09:00 AM	55.9	48.5
03:40 AM - 03:45 AM	38.9	36.5	06:20 AM - 06:25 AM	53.0	48.0	09:00 AM - 09:05 AM	54.6	49.5
03:45 AM - 03:50 AM	37.9	36.0	06:25 AM - 06:30 AM	56.9	50.2	09:05 AM - 09:10 AM	55.9	50.3
03:50 AM - 03:55 AM	41.5	37.2	06:30 AM - 06:35 AM	58.6	49.4	09:10 AM - 09:15 AM	58.7	52.0
03:55 AM - 04:00 AM	40.6	37.9	06:35 AM - 06:40 AM	57.6	50.0	09:15 AM - 09:20 AM	55.9	51.2
04:00 AM - 04:05 AM	47.6	40.1	06:40 AM - 06:45 AM	53.4	47.9	09:20 AM - 09:25 AM	56.9	50.6
04:05 AM - 04:10 AM	44.8	39.4	06:45 AM - 06:50 AM	57.2	47.3	09:25 AM - 09:30 AM	56.2	50.2
04:10 AM - 04:15 AM	43.4	39.3	06:50 AM - 06:55 AM	56.3	50.0	09:30 AM - 09:35 AM	56.7	51.4
04:15 AM - 04:20 AM	42.5	39.4	06:55 AM - 07:00 AM	58.0	50.9	09:35 AM - 09:40 AM	60.1	53.8
04:20 AM - 04:25 AM	46.6	41.3	07:00 AM - 07:05 AM	59.1	51.0	09:40 AM - 09:45 AM	58.4	52.5
04:25 AM - 04:30 AM	42.7	39.4	07:05 AM - 07:10 AM	57.2	50.2	09:45 AM - 09:50 AM	63.0	54.0
04:30 AM - 04:35 AM	44.1	40.4	07:10 AM - 07:15 AM	57.9	51.4	09:50 AM - 09:55 AM	60.9	56.2
04:35 AM - 04:40 AM	47.2	39.5	07:15 AM - 07:20 AM	58.1	51.9	09:55 AM - 10:00 AM	57.6	54.1
04:40 AM - 04:45 AM	46.5	40.9	07:20 AM - 07:25 AM	58.0	51.8	10:00 AM - 10:05 AM	57.6	53.4
04:45 AM - 04:50 AM	43.8	40.1	07:25 AM - 07:30 AM	64.4	53.6	10:05 AM - 10:10 AM	57.2	52.2
04:50 AM - 04:55 AM	50.4	39.8	07:30 AM - 07:35 AM	60.5	51.5	10:10 AM - 10:15 AM	58.2	53.3
04:55 AM - 05:00 AM	50.2	41.2	07:35 AM - 07:40 AM	56.0	50.0	10:15 AM - 10:20 AM	56.9	51.2
05:00 AM - 05:05 AM	47.4	41.7	07:40 AM - 07:45 AM	55.7	49.0	10:20 AM - 10:25 AM	58.2	52.3
05:05 AM - 05:10 AM	45.8	41.3	07:45 AM - 07:50 AM	74.3	49.9	10:25 AM - 10:30 AM	58.2	52.2
05:10 AM - 05:15 AM	45.2	40.7	07:50 AM - 07:55 AM	59.0	48.4	10:30 AM - 10:35 AM	59.1	52.5
05:15 AM - 05:20 AM	45.5	42.0	07:55 AM - 08:00 AM	57.8	49.6	10:35 AM - 10:40 AM	55.2	49.9
05:20 AM - 05:25 AM	51.2	41.1	08:00 AM - 08:05 AM	56.4	48.4	10:40 AM - 10:45 AM	61.0	52.7
05:25 AM - 05:30 AM	53.7	42.0	08:05 AM - 08:10 AM	52.3	47.8	10:45 AM - 10:50 AM	57.1	54.0
05:30 AM - 05:35 AM	54.6	45.3	08:10 AM - 08:15 AM	54.3	48.3	10:50 AM - 10:55 AM	59.3	53.2
05:35 AM - 05:40 AM	51.5	44.4	08:15 AM - 08:20 AM	55.5	49.9	10:55 AM - 11:00 AM	55.0	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: 24124990
Date Received :Dec 23, 2024
Date Reported :Dec 25, 2024
Report Number :3201656-1

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

Sample Number 24124990-12
Parameter Noise Level (Leq 5 min)
Location บ้านพักอาศัย หมู่ 2 ซ.มาบยางพร 15 (N2) (GPS 47P 0733648, 1434012)
Measurement Date Dec 19 - Dec 20, 2024
Measurement by Panuwat Wangbong
Sound Level meter Serial No. 623392

Dec 19, 2024 Time	Leq dB(A)	L90 dB(A)	Dec 19, 2024 Time	Leq dB(A)	L90 dB(A)	Dec 19, 2024 Time	Leq dB(A)	L90 dB(A)
11:00 AM - 11:05 AM	57.0	52.4	01:40 PM - 01:45 PM	55.2	50.4	04:20 PM - 04:25 PM	55.3	51.8
11:05 AM - 11:10 AM	54.9	50.6	01:45 PM - 01:50 PM	55.0	51.4	04:25 PM - 04:30 PM	54.8	49.2
11:10 AM - 11:15 AM	64.7	53.7	01:50 PM - 01:55 PM	54.1	48.7	04:30 PM - 04:35 PM	54.7	47.1
11:15 AM - 11:20 AM	55.4	51.3	01:55 PM - 02:00 PM	55.0	50.8	04:35 PM - 04:40 PM	56.2	48.8
11:20 AM - 11:25 AM	62.1	54.1	02:00 PM - 02:05 PM	53.7	49.4	04:40 PM - 04:45 PM	59.3	52.1
11:25 AM - 11:30 AM	57.3	52.1	02:05 PM - 02:10 PM	54.1	47.9	04:45 PM - 04:50 PM	58.9	46.6
11:30 AM - 11:35 AM	62.4	55.2	02:10 PM - 02:15 PM	56.3	49.7	04:50 PM - 04:55 PM	63.0	48.1
11:35 AM - 11:40 AM	58.6	48.8	02:15 PM - 02:20 PM	51.8	47.3	04:55 PM - 05:00 PM	62.3	47.0
11:40 AM - 11:45 AM	55.5	49.2	02:20 PM - 02:25 PM	54.8	50.2	05:00 PM - 05:05 PM	66.6	48.3
11:45 AM - 11:50 AM	61.3	50.4	02:25 PM - 02:30 PM	54.8	49.5	05:05 PM - 05:10 PM	53.8	46.3
11:50 AM - 11:55 AM	57.0	52.0	02:30 PM - 02:35 PM	52.6	47.1	05:10 PM - 05:15 PM	65.7	48.3
11:55 AM - 12:00 PM	57.5	50.6	02:35 PM - 02:40 PM	53.5	47.9	05:15 PM - 05:20 PM	53.5	46.4
12:00 PM - 12:05 PM	58.8	51.7	02:40 PM - 02:45 PM	53.2	48.8	05:20 PM - 05:25 PM	51.9	45.0
12:05 PM - 12:10 PM	52.6	47.3	02:45 PM - 02:50 PM	54.5	47.0	05:25 PM - 05:30 PM	52.5	46.4
12:10 PM - 12:15 PM	59.7	52.1	02:50 PM - 02:55 PM	55.0	49.2	05:30 PM - 05:35 PM	58.9	44.6
12:15 PM - 12:20 PM	56.6	49.7	02:55 PM - 03:00 PM	51.9	47.9	05:35 PM - 05:40 PM	51.6	46.0
12:20 PM - 12:25 PM	54.4	48.1	03:00 PM - 03:05 PM	52.1	46.3	05:40 PM - 05:45 PM	58.7	45.6
12:25 PM - 12:30 PM	57.5	48.6	03:05 PM - 03:10 PM	54.5	49.3	05:45 PM - 05:50 PM	55.8	46.2
12:30 PM - 12:35 PM	59.6	50.7	03:10 PM - 03:15 PM	56.6	47.9	05:50 PM - 05:55 PM	52.7	45.7
12:35 PM - 12:40 PM	57.5	49.4	03:15 PM - 03:20 PM	58.9	52.6	05:55 PM - 06:00 PM	58.1	44.5
12:40 PM - 12:45 PM	55.4	49.2	03:20 PM - 03:25 PM	53.2	47.4	06:00 PM - 06:05 PM	51.2	43.9
12:45 PM - 12:50 PM	55.9	51.6	03:25 PM - 03:30 PM	56.9	49.5	06:05 PM - 06:10 PM	55.3	44.2
12:50 PM - 12:55 PM	55.3	49.8	03:30 PM - 03:35 PM	56.9	48.3	06:10 PM - 06:15 PM	51.8	44.3
12:55 PM - 01:00 PM	54.7	50.2	03:35 PM - 03:40 PM	56.3	49.8	06:15 PM - 06:20 PM	52.7	44.0
01:00 PM - 01:05 PM	55.2	49.0	03:40 PM - 03:45 PM	54.2	49.7	06:20 PM - 06:25 PM	52.9	44.3
01:05 PM - 01:10 PM	55.0	49.5	03:45 PM - 03:50 PM	53.3	45.6	06:25 PM - 06:30 PM	57.9	46.6
01:10 PM - 01:15 PM	52.4	49.1	03:50 PM - 03:55 PM	53.5	48.1	06:30 PM - 06:35 PM	55.9	44.9
01:15 PM - 01:20 PM	54.3	50.5	03:55 PM - 04:00 PM	55.7	50.3	06:35 PM - 06:40 PM	50.9	43.8
01:20 PM - 01:25 PM	55.2	50.7	04:00 PM - 04:05 PM	54.6	47.9	06:40 PM - 06:45 PM	51.3	43.8
01:25 PM - 01:30 PM	55.6	50.7	04:05 PM - 04:10 PM	58.5	50.3	06:45 PM - 06:50 PM	53.4	43.8
01:30 PM - 01:35 PM	55.5	50.2	04:10 PM - 04:15 PM	56.1	50.7	06:50 PM - 06:55 PM	53.3	45.5
01:35 PM - 01:40 PM	57.7	51.9	04:15 PM - 04:20 PM	54.2	48.9	06:55 PM - 07:00 PM	51.0	44.6

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: 24124990
Date Received :Dec 23, 2024
Date Reported :Dec 25, 2024
Report Number :3201656-1

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

Sample Number 24124990-12
Parameter Noise Level (Leq 5 min)
Location บ้านพักอาศัย หมู่ 2 ซ.มาบยางพร 15 (N2) (GPS 47P 0733648, 1434012)
Measurement Date Dec 19 - Dec 20, 2024
Measurement by Panuwat Wangbong
Sound Level meter Serial No. 623392

Dec 19, 2024 Time	Leq dB(A)	L90 dB(A)	Dec 19 - Dec 20, 2024 Time	Leq dB(A)	L90 dB(A)	Dec 20, 2024 Time	Leq dB(A)	L90 dB(A)
07:00 PM - 07:05 PM	49.5	44.7	09:40 PM - 09:45 PM	62.0	40.0	12:20 AM - 12:25 AM	43.9	38.5
07:05 PM - 07:10 PM	54.4	45.5	09:45 PM - 09:50 PM	43.3	39.8	12:25 AM - 12:30 AM	40.1	37.8
07:10 PM - 07:15 PM	56.6	45.8	09:50 PM - 09:55 PM	44.5	40.4	12:30 AM - 12:35 AM	51.8	38.0
07:15 PM - 07:20 PM	53.1	46.5	09:55 PM - 10:00 PM	46.5	41.2	12:35 AM - 12:40 AM	49.9	38.1
07:20 PM - 07:25 PM	53.8	45.7	10:00 PM - 10:05 PM	49.3	40.9	12:40 AM - 12:45 AM	46.8	39.6
07:25 PM - 07:30 PM	57.5	45.1	10:05 PM - 10:10 PM	45.9	40.6	12:45 AM - 12:50 AM	45.8	38.2
07:30 PM - 07:35 PM	53.2	44.7	10:10 PM - 10:15 PM	52.0	41.9	12:50 AM - 12:55 AM	42.6	37.3
07:35 PM - 07:40 PM	54.6	44.4	10:15 PM - 10:20 PM	45.3	41.1	12:55 AM - 01:00 AM	51.3	37.2
07:40 PM - 07:45 PM	51.5	44.3	10:20 PM - 10:25 PM	61.6	40.4	01:00 AM - 01:05 AM	48.6	37.1
07:45 PM - 07:50 PM	51.0	44.0	10:25 PM - 10:30 PM	44.2	40.6	01:05 AM - 01:10 AM	41.3	38.1
07:50 PM - 07:55 PM	64.2	49.4	10:30 PM - 10:35 PM	43.6	39.3	01:10 AM - 01:15 AM	40.6	37.0
07:55 PM - 08:00 PM	57.2	49.4	10:35 PM - 10:40 PM	41.8	39.4	01:15 AM - 01:20 AM	39.9	37.3
08:00 PM - 08:05 PM	55.9	46.4	10:40 PM - 10:45 PM	48.0	39.7	01:20 AM - 01:25 AM	43.3	37.9
08:05 PM - 08:10 PM	53.1	44.9	10:45 PM - 10:50 PM	41.6	39.4	01:25 AM - 01:30 AM	47.0	37.7
08:10 PM - 08:15 PM	50.3	44.8	10:50 PM - 10:55 PM	44.8	39.2	01:30 AM - 01:35 AM	47.4	37.8
08:15 PM - 08:20 PM	55.0	44.7	10:55 PM - 11:00 PM	46.6	38.3	01:35 AM - 01:40 AM	43.1	38.3
08:20 PM - 08:25 PM	52.8	44.5	11:00 PM - 11:05 PM	40.7	38.7	01:40 AM - 01:45 AM	49.3	38.3
08:25 PM - 08:30 PM	54.4	46.0	11:05 PM - 11:10 PM	42.0	39.2	01:45 AM - 01:50 AM	45.9	37.8
08:30 PM - 08:35 PM	50.8	44.4	11:10 PM - 11:15 PM	41.3	38.8	01:50 AM - 01:55 AM	45.1	37.8
08:35 PM - 08:40 PM	49.3	44.3	11:15 PM - 11:20 PM	42.6	39.3	01:55 AM - 02:00 AM	43.6	37.4
08:40 PM - 08:45 PM	53.2	43.7	11:20 PM - 11:25 PM	43.6	39.9	02:00 AM - 02:05 AM	44.9	40.5
08:45 PM - 08:50 PM	51.2	43.6	11:25 PM - 11:30 PM	42.4	39.1	02:05 AM - 02:10 AM	42.3	38.2
08:50 PM - 08:55 PM	47.5	42.6	11:30 PM - 11:35 PM	42.9	39.5	02:10 AM - 02:15 AM	42.9	37.6
08:55 PM - 09:00 PM	53.0	42.6	11:35 PM - 11:40 PM	41.8	39.1	02:15 AM - 02:20 AM	38.6	36.4
09:00 PM - 09:05 PM	46.6	42.0	11:40 PM - 11:45 PM	43.1	39.6	02:20 AM - 02:25 AM	37.8	35.9
09:05 PM - 09:10 PM	54.7	42.9	11:45 PM - 11:50 PM	52.7	41.0	02:25 AM - 02:30 AM	38.4	36.4
09:10 PM - 09:15 PM	52.4	42.0	11:50 PM - 11:55 PM	48.0	40.8	02:30 AM - 02:35 AM	53.7	36.2
09:15 PM - 09:20 PM	46.4	41.2	11:55 PM - 12:00 AM	42.5	39.0	02:35 AM - 02:40 AM	49.9	36.1
09:20 PM - 09:25 PM	45.9	41.1	12:00 AM - 12:05 AM	54.4	39.3	02:40 AM - 02:45 AM	50.2	35.9
09:25 PM - 09:30 PM	44.5	40.7	12:05 AM - 12:10 AM	46.7	39.4	02:45 AM - 02:50 AM	38.1	36.4
09:30 PM - 09:35 PM	53.9	40.9	12:10 AM - 12:15 AM	55.8	41.4	02:50 AM - 02:55 AM	42.9	36.2
09:35 PM - 09:40 PM	43.1	40.0	12:15 AM - 12:20 AM	51.9	39.2	02:55 AM - 03:00 AM	39.2	36.3

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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: 24124990
Date Received :Dec 23, 2024
Date Reported :Dec 25, 2024
Report Number :3201656-1

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

Sample Number 24124990-12
Parameter Noise Level (Leq 5 min)
Location บ้านพักอาศัย หมู่ 2 ซ.มาบยางพร 15 (N2) (GPS 47P 0733648, 1434012)
Measurement Date Dec 19 - Dec 20, 2024
Measurement by Panuwat Wangbong
Sound Level meter Serial No. 623392

Dec 20, 2024 Time	Leq dB(A)	L90 dB(A)	Dec 20, 2024 Time	Leq dB(A)	L90 dB(A)	Dec 20, 2024 Time	Leq dB(A)	L90 dB(A)
03:00 AM - 03:05 AM	43.4	36.1	05:40 AM - 05:45 AM	55.7	45.5	08:20 AM - 08:25 AM	58.0	51.2
03:05 AM - 03:10 AM	46.4	36.9	05:45 AM - 05:50 AM	54.3	46.7	08:25 AM - 08:30 AM	58.0	53.1
03:10 AM - 03:15 AM	43.5	36.6	05:50 AM - 05:55 AM	53.6	46.8	08:30 AM - 08:35 AM	55.9	49.3
03:15 AM - 03:20 AM	43.2	37.8	05:55 AM - 06:00 AM	50.5	45.5	08:35 AM - 08:40 AM	70.2	51.1
03:20 AM - 03:25 AM	41.8	36.8	06:00 AM - 06:05 AM	53.8	46.4	08:40 AM - 08:45 AM	67.8	50.8
03:25 AM - 03:30 AM	38.4	36.2	06:05 AM - 06:10 AM	55.7	48.0	08:45 AM - 08:50 AM	56.3	49.9
03:30 AM - 03:35 AM	37.9	35.9	06:10 AM - 06:15 AM	53.5	46.2	08:50 AM - 08:55 AM	56.5	50.5
03:35 AM - 03:40 AM	38.9	35.7	06:15 AM - 06:20 AM	54.0	45.6	08:55 AM - 09:00 AM	59.0	53.0
03:40 AM - 03:45 AM	38.8	36.5	06:20 AM - 06:25 AM	57.1	46.0	09:00 AM - 09:05 AM	58.7	54.3
03:45 AM - 03:50 AM	40.3	36.7	06:25 AM - 06:30 AM	54.2	47.3	09:05 AM - 09:10 AM	58.1	54.6
03:50 AM - 03:55 AM	45.0	36.5	06:30 AM - 06:35 AM	54.8	47.7	09:10 AM - 09:15 AM	58.2	53.5
03:55 AM - 04:00 AM	45.8	36.7	06:35 AM - 06:40 AM	59.2	47.1	09:15 AM - 09:20 AM	57.5	53.0
04:00 AM - 04:05 AM	39.2	36.8	06:40 AM - 06:45 AM	51.9	47.9	09:20 AM - 09:25 AM	55.5	50.8
04:05 AM - 04:10 AM	39.4	36.4	06:45 AM - 06:50 AM	56.3	47.6	09:25 AM - 09:30 AM	57.4	52.4
04:10 AM - 04:15 AM	45.1	36.3	06:50 AM - 06:55 AM	55.3	47.7	09:30 AM - 09:35 AM	58.3	52.7
04:15 AM - 04:20 AM	41.1	36.9	06:55 AM - 07:00 AM	58.3	48.8	09:35 AM - 09:40 AM	62.3	54.9
04:20 AM - 04:25 AM	38.9	37.3	07:00 AM - 07:05 AM	58.8	49.7	09:40 AM - 09:45 AM	59.1	54.2
04:25 AM - 04:30 AM	42.5	38.3	07:05 AM - 07:10 AM	61.7	52.5	09:45 AM - 09:50 AM	61.0	56.9
04:30 AM - 04:35 AM	42.5	37.8	07:10 AM - 07:15 AM	56.5	48.6	09:50 AM - 09:55 AM	59.6	56.8
04:35 AM - 04:40 AM	41.5	37.1	07:15 AM - 07:20 AM	58.5	51.4	09:55 AM - 10:00 AM	60.6	55.9
04:40 AM - 04:45 AM	41.5	37.6	07:20 AM - 07:25 AM	61.3	54.5	10:00 AM - 10:05 AM	57.6	53.2
04:45 AM - 04:50 AM	44.3	38.0	07:25 AM - 07:30 AM	60.4	52.4	10:05 AM - 10:10 AM	59.3	54.8
04:50 AM - 04:55 AM	52.0	41.2	07:30 AM - 07:35 AM	60.3	52.6	10:10 AM - 10:15 AM	59.8	55.0
04:55 AM - 05:00 AM	49.6	40.6	07:35 AM - 07:40 AM	55.8	49.9	10:15 AM - 10:20 AM	59.6	54.6
05:00 AM - 05:05 AM	47.7	39.7	07:40 AM - 07:45 AM	54.3	48.7	10:20 AM - 10:25 AM	59.6	55.3
05:05 AM - 05:10 AM	43.7	39.4	07:45 AM - 07:50 AM	57.3	50.3	10:25 AM - 10:30 AM	59.2	54.7
05:10 AM - 05:15 AM	46.5	39.4	07:50 AM - 07:55 AM	60.7	51.4	10:30 AM - 10:35 AM	54.8	51.8
05:15 AM - 05:20 AM	48.4	40.3	07:55 AM - 08:00 AM	58.8	52.3	10:35 AM - 10:40 AM	55.9	51.8
05:20 AM - 05:25 AM	47.0	39.9	08:00 AM - 08:05 AM	58.8	50.9	10:40 AM - 10:45 AM	57.3	53.3
05:25 AM - 05:30 AM	44.2	39.7	08:05 AM - 08:10 AM	57.9	52.1	10:45 AM - 10:50 AM	58.0	54.2
05:30 AM - 05:35 AM	48.0	40.8	08:10 AM - 08:15 AM	57.0	51.7	10:50 AM - 10:55 AM	58.6	54.4
05:35 AM - 05:40 AM	51.3	42.5	08:15 AM - 08:20 AM	57.3	51.5	10:55 AM - 11:00 AM	60.6	56.2

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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: 24124990
Date Received :Dec 23, 2024
Date Reported :Dec 25, 2024
Report Number :3201657-1

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

Sample Number 24124990-13
Parameter Noise Level (Leq 5 min)
Location บ้านพักอาศัย หมู่ 2 ซ.มาบยางพร 15 (N2) (GPS 47P 0733648, 1434012)
Measurement Date Dec 20 - Dec 21, 2024
Measurement by Panuwat Wangbong
Sound Level meter Serial No. 623392

Dec 20, 2024 Time	Leq dB(A)	L90 dB(A)	Dec 20, 2024 Time	Leq dB(A)	L90 dB(A)	Dec 20, 2024 Time	Leq dB(A)	L90 dB(A)
11:00 AM - 11:05 AM	58.6	53.3	01:40 PM - 01:45 PM	56.2	50.6	04:20 PM - 04:25 PM	58.7	51.3
11:05 AM - 11:10 AM	62.0	53.6	01:45 PM - 01:50 PM	51.8	47.5	04:25 PM - 04:30 PM	54.2	47.4
11:10 AM - 11:15 AM	56.8	51.6	01:50 PM - 01:55 PM	54.2	48.4	04:30 PM - 04:35 PM	50.8	44.8
11:15 AM - 11:20 AM	58.9	53.6	01:55 PM - 02:00 PM	55.6	50.6	04:35 PM - 04:40 PM	50.0	44.5
11:20 AM - 11:25 AM	56.3	52.3	02:00 PM - 02:05 PM	52.4	48.0	04:40 PM - 04:45 PM	56.8	47.7
11:25 AM - 11:30 AM	57.3	51.4	02:05 PM - 02:10 PM	52.5	47.9	04:45 PM - 04:50 PM	59.2	47.7
11:30 AM - 11:35 AM	63.3	52.3	02:10 PM - 02:15 PM	56.6	49.6	04:50 PM - 04:55 PM	57.7	47.5
11:35 AM - 11:40 AM	53.0	48.0	02:15 PM - 02:20 PM	56.1	50.7	04:55 PM - 05:00 PM	54.3	45.6
11:40 AM - 11:45 AM	55.0	47.6	02:20 PM - 02:25 PM	54.2	48.7	05:00 PM - 05:05 PM	55.8	45.4
11:45 AM - 11:50 AM	57.4	48.3	02:25 PM - 02:30 PM	54.9	48.5	05:05 PM - 05:10 PM	51.0	45.2
11:50 AM - 11:55 AM	60.2	48.7	02:30 PM - 02:35 PM	62.9	50.2	05:10 PM - 05:15 PM	56.5	49.2
11:55 AM - 12:00 PM	52.0	44.6	02:35 PM - 02:40 PM	58.1	53.4	05:15 PM - 05:20 PM	55.3	46.2
12:00 PM - 12:05 PM	55.5	48.2	02:40 PM - 02:45 PM	60.0	54.8	05:20 PM - 05:25 PM	55.7	49.6
12:05 PM - 12:10 PM	55.5	51.0	02:45 PM - 02:50 PM	59.0	56.1	05:25 PM - 05:30 PM	53.5	46.2
12:10 PM - 12:15 PM	54.4	49.1	02:50 PM - 02:55 PM	61.8	54.3	05:30 PM - 05:35 PM	55.8	48.0
12:15 PM - 12:20 PM	58.2	50.5	02:55 PM - 03:00 PM	60.1	56.4	05:35 PM - 05:40 PM	55.9	48.1
12:20 PM - 12:25 PM	55.7	48.3	03:00 PM - 03:05 PM	62.1	56.7	05:40 PM - 05:45 PM	55.5	48.0
12:25 PM - 12:30 PM	52.9	47.4	03:05 PM - 03:10 PM	60.5	58.2	05:45 PM - 05:50 PM	57.5	47.9
12:30 PM - 12:35 PM	51.6	47.9	03:10 PM - 03:15 PM	59.9	55.0	05:50 PM - 05:55 PM	57.7	47.8
12:35 PM - 12:40 PM	53.4	47.4	03:15 PM - 03:20 PM	61.7	57.9	05:55 PM - 06:00 PM	53.5	46.8
12:40 PM - 12:45 PM	55.1	48.4	03:20 PM - 03:25 PM	57.4	53.4	06:00 PM - 06:05 PM	59.7	46.3
12:45 PM - 12:50 PM	54.6	49.6	03:25 PM - 03:30 PM	58.2	53.8	06:05 PM - 06:10 PM	54.8	46.9
12:50 PM - 12:55 PM	56.4	50.5	03:30 PM - 03:35 PM	57.6	54.6	06:10 PM - 06:15 PM	49.6	45.1
12:55 PM - 01:00 PM	56.2	49.5	03:35 PM - 03:40 PM	54.9	51.3	06:15 PM - 06:20 PM	48.4	45.1
01:00 PM - 01:05 PM	56.6	50.2	03:40 PM - 03:45 PM	59.6	52.7	06:20 PM - 06:25 PM	53.3	45.9
01:05 PM - 01:10 PM	57.1	48.6	03:45 PM - 03:50 PM	58.7	53.3	06:25 PM - 06:30 PM	53.6	45.7
01:10 PM - 01:15 PM	56.3	49.7	03:50 PM - 03:55 PM	59.5	54.8	06:30 PM - 06:35 PM	52.2	46.1
01:15 PM - 01:20 PM	55.5	48.9	03:55 PM - 04:00 PM	56.1	51.3	06:35 PM - 06:40 PM	53.0	45.4
01:20 PM - 01:25 PM	55.6	51.1	04:00 PM - 04:05 PM	60.6	51.5	06:40 PM - 06:45 PM	49.6	45.1
01:25 PM - 01:30 PM	54.1	50.1	04:05 PM - 04:10 PM	53.7	50.1	06:45 PM - 06:50 PM	53.5	47.1
01:30 PM - 01:35 PM	55.2	50.9	04:10 PM - 04:15 PM	54.1	49.7	06:50 PM - 06:55 PM	51.7	46.9
01:35 PM - 01:40 PM	52.7	47.5	04:15 PM - 04:20 PM	54.6	49.7	06:55 PM - 07:00 PM	54.4	46.8

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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: 24124990
Date Received :Dec 23, 2024
Date Reported :Dec 25, 2024
Report Number :3201657-1

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

Sample Number 24124990-13
Parameter Noise Level (Leq 5 min)
Location บ้านพักอาศัย หมู่ 2 ซ.มาบยางพร 15 (N2) (GPS 47P 0733648, 1434012)
Measurement Date Dec 20 - Dec 21, 2024
Measurement by Panuwat Wangbong
Sound Level meter Serial No. 623392

Dec 20, 2024 Time	Leq dB(A)	L90 dB(A)	Dec 20 - Dec 21, 2024 Time	Leq dB(A)	L90 dB(A)	Dec 21, 2024 Time	Leq dB(A)	L90 dB(A)
07:00 PM - 07:05 PM	52.4	46.3	09:40 PM - 09:45 PM	61.3	57.8	12:20 AM - 12:25 AM	42.3	38.0
07:05 PM - 07:10 PM	54.5	48.4	09:45 PM - 09:50 PM	60.8	57.0	12:25 AM - 12:30 AM	48.3	37.9
07:10 PM - 07:15 PM	55.9	48.3	09:50 PM - 09:55 PM	60.1	56.5	12:30 AM - 12:35 AM	52.2	37.7
07:15 PM - 07:20 PM	55.9	49.2	09:55 PM - 10:00 PM	54.4	42.8	12:35 AM - 12:40 AM	47.0	37.7
07:20 PM - 07:25 PM	53.4	46.2	10:00 PM - 10:05 PM	50.6	43.0	12:40 AM - 12:45 AM	45.8	37.6
07:25 PM - 07:30 PM	54.4	47.6	10:05 PM - 10:10 PM	46.7	42.8	12:45 AM - 12:50 AM	41.2	37.6
07:30 PM - 07:35 PM	55.3	48.0	10:10 PM - 10:15 PM	44.7	41.8	12:50 AM - 12:55 AM	45.6	37.2
07:35 PM - 07:40 PM	58.1	52.2	10:15 PM - 10:20 PM	47.3	42.5	12:55 AM - 01:00 AM	45.6	36.4
07:40 PM - 07:45 PM	59.1	54.2	10:20 PM - 10:25 PM	44.3	40.7	01:00 AM - 01:05 AM	39.1	36.1
07:45 PM - 07:50 PM	58.4	54.2	10:25 PM - 10:30 PM	44.1	40.9	01:05 AM - 01:10 AM	43.6	37.8
07:50 PM - 07:55 PM	58.0	54.6	10:30 PM - 10:35 PM	43.6	40.4	01:10 AM - 01:15 AM	42.1	37.4
07:55 PM - 08:00 PM	59.7	54.5	10:35 PM - 10:40 PM	44.6	39.6	01:15 AM - 01:20 AM	48.7	37.1
08:00 PM - 08:05 PM	59.4	56.0	10:40 PM - 10:45 PM	57.3	39.4	01:20 AM - 01:25 AM	47.6	35.9
08:05 PM - 08:10 PM	60.3	57.2	10:45 PM - 10:50 PM	44.8	38.9	01:25 AM - 01:30 AM	49.1	36.5
08:10 PM - 08:15 PM	60.2	46.8	10:50 PM - 10:55 PM	45.3	39.5	01:30 AM - 01:35 AM	47.8	35.5
08:15 PM - 08:20 PM	58.0	48.0	10:55 PM - 11:00 PM	54.0	40.8	01:35 AM - 01:40 AM	39.0	35.0
08:20 PM - 08:25 PM	54.9	45.2	11:00 PM - 11:05 PM	67.0	40.9	01:40 AM - 01:45 AM	46.5	35.1
08:25 PM - 08:30 PM	56.3	45.8	11:05 PM - 11:10 PM	44.7	39.3	01:45 AM - 01:50 AM	37.1	34.8
08:30 PM - 08:35 PM	56.4	46.2	11:10 PM - 11:15 PM	49.7	41.0	01:50 AM - 01:55 AM	36.2	34.4
08:35 PM - 08:40 PM	56.0	45.2	11:15 PM - 11:20 PM	41.9	39.1	01:55 AM - 02:00 AM	39.9	35.8
08:40 PM - 08:45 PM	56.2	45.6	11:20 PM - 11:25 PM	49.8	40.2	02:00 AM - 02:05 AM	36.8	34.6
08:45 PM - 08:50 PM	51.8	43.3	11:25 PM - 11:30 PM	42.8	39.2	02:05 AM - 02:10 AM	41.9	36.1
08:50 PM - 08:55 PM	59.2	45.4	11:30 PM - 11:35 PM	44.0	38.8	02:10 AM - 02:15 AM	45.4	36.6
08:55 PM - 09:00 PM	60.4	56.3	11:35 PM - 11:40 PM	44.4	40.6	02:15 AM - 02:20 AM	37.4	35.6
09:00 PM - 09:05 PM	62.8	50.0	11:40 PM - 11:45 PM	43.3	38.7	02:20 AM - 02:25 AM	37.2	35.0
09:05 PM - 09:10 PM	60.0	52.6	11:45 PM - 11:50 PM	50.5	40.3	02:25 AM - 02:30 AM	38.9	36.1
09:10 PM - 09:15 PM	54.5	43.9	11:50 PM - 11:55 PM	45.5	40.0	02:30 AM - 02:35 AM	37.3	35.5
09:15 PM - 09:20 PM	54.8	45.7	11:55 PM - 12:00 AM	48.2	38.0	02:35 AM - 02:40 AM	38.8	35.6
09:20 PM - 09:25 PM	56.6	44.5	12:00 AM - 12:05 AM	44.0	38.9	02:40 AM - 02:45 AM	39.4	35.7
09:25 PM - 09:30 PM	56.8	43.8	12:05 AM - 12:10 AM	43.4	37.2	02:45 AM - 02:50 AM	37.9	36.4
09:30 PM - 09:35 PM	59.1	55.7	12:10 AM - 12:15 AM	46.0	39.0	02:50 AM - 02:55 AM	39.2	36.6
09:35 PM - 09:40 PM	60.0	55.9	12:15 AM - 12:20 AM	43.8	38.3	02:55 AM - 03:00 AM	40.4	36.1

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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: 24124990
Date Received :Dec 23, 2024
Date Reported :Dec 25, 2024
Report Number :3201657-1

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

Sample Number 24124990-13
Parameter Noise Level (Leq 5 min)
Location บ้านพักอาศัย หมู่ 2 ซ.มาบยางพร 15 (N2) (GPS 47P 0733648, 1434012)
Measurement Date Dec 20 - Dec 21, 2024
Measurement by Panuwat Wangbong
Sound Level meter Serial No. 623392

Dec 21, 2024 Time	Leq dB(A)	L90 dB(A)	Dec 21, 2024 Time	Leq dB(A)	L90 dB(A)	Dec 21, 2024 Time	Leq dB(A)	L90 dB(A)
03:00 AM - 03:05 AM	42.6	37.9	05:40 AM - 05:45 AM	48.3	42.8	08:20 AM - 08:25 AM	52.6	47.8
03:05 AM - 03:10 AM	41.0	36.0	05:45 AM - 05:50 AM	49.6	42.1	08:25 AM - 08:30 AM	57.3	52.1
03:10 AM - 03:15 AM	38.4	36.0	05:50 AM - 05:55 AM	52.7	43.3	08:30 AM - 08:35 AM	55.8	50.8
03:15 AM - 03:20 AM	42.7	37.8	05:55 AM - 06:00 AM	54.2	43.9	08:35 AM - 08:40 AM	56.8	50.3
03:20 AM - 03:25 AM	38.6	36.7	06:00 AM - 06:05 AM	54.4	45.3	08:40 AM - 08:45 AM	54.8	51.2
03:25 AM - 03:30 AM	40.2	37.3	06:05 AM - 06:10 AM	56.7	47.3	08:45 AM - 08:50 AM	56.3	52.4
03:30 AM - 03:35 AM	42.5	35.7	06:10 AM - 06:15 AM	54.6	47.7	08:50 AM - 08:55 AM	55.2	51.4
03:35 AM - 03:40 AM	42.0	37.0	06:15 AM - 06:20 AM	55.4	47.3	08:55 AM - 09:00 AM	60.3	50.5
03:40 AM - 03:45 AM	46.5	37.2	06:20 AM - 06:25 AM	55.4	45.1	09:00 AM - 09:05 AM	69.0	59.5
03:45 AM - 03:50 AM	44.2	37.1	06:25 AM - 06:30 AM	57.2	48.9	09:05 AM - 09:10 AM	65.1	62.3
03:50 AM - 03:55 AM	39.7	35.6	06:30 AM - 06:35 AM	52.6	46.1	09:10 AM - 09:15 AM	64.8	61.3
03:55 AM - 04:00 AM	40.9	36.5	06:35 AM - 06:40 AM	55.7	46.7	09:15 AM - 09:20 AM	63.1	60.0
04:00 AM - 04:05 AM	41.6	36.6	06:40 AM - 06:45 AM	52.9	46.5	09:20 AM - 09:25 AM	62.2	58.9
04:05 AM - 04:10 AM	45.6	36.7	06:45 AM - 06:50 AM	58.4	48.5	09:25 AM - 09:30 AM	62.3	59.2
04:10 AM - 04:15 AM	44.1	36.3	06:50 AM - 06:55 AM	57.5	46.7	09:30 AM - 09:35 AM	63.4	61.3
04:15 AM - 04:20 AM	42.2	37.2	06:55 AM - 07:00 AM	56.0	47.3	09:35 AM - 09:40 AM	63.6	61.3
04:20 AM - 04:25 AM	38.0	36.1	07:00 AM - 07:05 AM	55.9	47.9	09:40 AM - 09:45 AM	65.6	61.1
04:25 AM - 04:30 AM	44.6	37.9	07:05 AM - 07:10 AM	57.4	48.0	09:45 AM - 09:50 AM	63.9	59.4
04:30 AM - 04:35 AM	46.1	38.2	07:10 AM - 07:15 AM	56.4	48.7	09:50 AM - 09:55 AM	64.1	58.6
04:35 AM - 04:40 AM	46.2	37.2	07:15 AM - 07:20 AM	62.5	50.6	09:55 AM - 10:00 AM	62.8	57.8
04:40 AM - 04:45 AM	42.0	37.6	07:20 AM - 07:25 AM	60.7	50.5	10:00 AM - 10:05 AM	59.2	56.8
04:45 AM - 04:50 AM	45.1	39.2	07:25 AM - 07:30 AM	57.9	50.0	10:05 AM - 10:10 AM	63.7	55.9
04:50 AM - 04:55 AM	52.2	41.0	07:30 AM - 07:35 AM	64.2	49.0	10:10 AM - 10:15 AM	63.7	56.2
04:55 AM - 05:00 AM	50.7	41.8	07:35 AM - 07:40 AM	55.0	46.0	10:15 AM - 10:20 AM	62.5	56.9
05:00 AM - 05:05 AM	56.1	43.0	07:40 AM - 07:45 AM	56.4	47.8	10:20 AM - 10:25 AM	62.9	53.7
05:05 AM - 05:10 AM	49.9	41.7	07:45 AM - 07:50 AM	56.9	50.3	10:25 AM - 10:30 AM	56.8	53.3
05:10 AM - 05:15 AM	51.2	40.4	07:50 AM - 07:55 AM	61.2	51.3	10:30 AM - 10:35 AM	59.5	54.6
05:15 AM - 05:20 AM	51.2	38.8	07:55 AM - 08:00 AM	58.1	50.3	10:35 AM - 10:40 AM	60.8	53.0
05:20 AM - 05:25 AM	51.2	41.1	08:00 AM - 08:05 AM	56.5	48.5	10:40 AM - 10:45 AM	64.0	51.8
05:25 AM - 05:30 AM	46.3	41.0	08:05 AM - 08:10 AM	55.6	48.4	10:45 AM - 10:50 AM	60.6	54.7
05:30 AM - 05:35 AM	49.4	42.3	08:10 AM - 08:15 AM	57.5	48.6	10:50 AM - 10:55 AM	54.8	48.7
05:35 AM - 05:40 AM	49.2	42.9	08:15 AM - 08:20 AM	56.8	51.5	10:55 AM - 11:00 AM	52.4	47.8

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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: 24124990
Date Received :Dec 23, 2024
Date Reported :Dec 25, 2024
Report Number :3201658-1

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

Sample Number 24124990-14
Parameter Noise Level (Leq 5 min)
Location บ้านพักอาศัย หมู่ 2 ซ.มาบยางพร 15 (N2) (GPS 47P 0733648, 1434012)
Measurement Date Dec 21 - Dec 22, 2024
Measurement by Panuwat Wangbong
Sound Level meter Serial No. 623392

Dec 21, 2024 Time	Leq dB(A)	L90 dB(A)	Dec 21, 2024 Time	Leq dB(A)	L90 dB(A)	Dec 21, 2024 Time	Leq dB(A)	L90 dB(A)
11:00 AM - 11:05 AM	57.6	50.8	01:40 PM - 01:45 PM	64.0	53.1	04:20 PM - 04:25 PM	62.0	55.4
11:05 AM - 11:10 AM	54.7	48.4	01:45 PM - 01:50 PM	59.8	49.3	04:25 PM - 04:30 PM	56.3	51.4
11:10 AM - 11:15 AM	58.2	51.2	01:50 PM - 01:55 PM	53.8	48.6	04:30 PM - 04:35 PM	56.5	50.7
11:15 AM - 11:20 AM	64.0	52.0	01:55 PM - 02:00 PM	59.1	50.6	04:35 PM - 04:40 PM	61.3	53.3
11:20 AM - 11:25 AM	58.0	52.1	02:00 PM - 02:05 PM	62.2	51.6	04:40 PM - 04:45 PM	55.3	49.2
11:25 AM - 11:30 AM	57.4	51.8	02:05 PM - 02:10 PM	59.8	53.4	04:45 PM - 04:50 PM	54.3	48.0
11:30 AM - 11:35 AM	54.5	51.3	02:10 PM - 02:15 PM	58.5	52.8	04:50 PM - 04:55 PM	60.2	51.2
11:35 AM - 11:40 AM	57.3	50.9	02:15 PM - 02:20 PM	58.3	53.5	04:55 PM - 05:00 PM	57.4	52.3
11:40 AM - 11:45 AM	56.0	52.5	02:20 PM - 02:25 PM	58.6	50.5	05:00 PM - 05:05 PM	56.9	50.8
11:45 AM - 11:50 AM	60.6	51.0	02:25 PM - 02:30 PM	56.5	48.9	05:05 PM - 05:10 PM	72.3	54.5
11:50 AM - 11:55 AM	56.5	49.5	02:30 PM - 02:35 PM	60.4	53.8	05:10 PM - 05:15 PM	65.6	51.6
11:55 AM - 12:00 PM	68.6	49.4	02:35 PM - 02:40 PM	54.7	48.4	05:15 PM - 05:20 PM	54.8	51.5
12:00 PM - 12:05 PM	51.8	44.7	02:40 PM - 02:45 PM	59.4	46.8	05:20 PM - 05:25 PM	53.2	50.1
12:05 PM - 12:10 PM	53.6	42.8	02:45 PM - 02:50 PM	60.2	51.5	05:25 PM - 05:30 PM	51.8	47.8
12:10 PM - 12:15 PM	55.7	47.0	02:50 PM - 02:55 PM	56.9	48.9	05:30 PM - 05:35 PM	56.6	48.3
12:15 PM - 12:20 PM	55.5	49.6	02:55 PM - 03:00 PM	57.1	52.7	05:35 PM - 05:40 PM	53.1	47.7
12:20 PM - 12:25 PM	55.5	51.5	03:00 PM - 03:05 PM	60.1	51.2	05:40 PM - 05:45 PM	56.8	46.8
12:25 PM - 12:30 PM	54.2	49.9	03:05 PM - 03:10 PM	64.5	52.5	05:45 PM - 05:50 PM	54.0	46.7
12:30 PM - 12:35 PM	51.7	44.0	03:10 PM - 03:15 PM	65.7	53.6	05:50 PM - 05:55 PM	59.5	44.7
12:35 PM - 12:40 PM	53.4	46.6	03:15 PM - 03:20 PM	57.3	51.9	05:55 PM - 06:00 PM	52.7	43.8
12:40 PM - 12:45 PM	56.6	51.2	03:20 PM - 03:25 PM	59.5	54.2	06:00 PM - 06:05 PM	50.8	44.9
12:45 PM - 12:50 PM	67.4	52.6	03:25 PM - 03:30 PM	58.9	53.0	06:05 PM - 06:10 PM	60.1	45.1
12:50 PM - 12:55 PM	60.9	53.4	03:30 PM - 03:35 PM	56.2	52.3	06:10 PM - 06:15 PM	50.3	43.7
12:55 PM - 01:00 PM	64.8	53.1	03:35 PM - 03:40 PM	60.5	52.5	06:15 PM - 06:20 PM	47.1	44.0
01:00 PM - 01:05 PM	62.4	53.1	03:40 PM - 03:45 PM	64.2	53.6	06:20 PM - 06:25 PM	49.7	43.8
01:05 PM - 01:10 PM	60.4	51.5	03:45 PM - 03:50 PM	65.3	54.6	06:25 PM - 06:30 PM	50.9	44.3
01:10 PM - 01:15 PM	62.1	55.0	03:50 PM - 03:55 PM	64.3	53.2	06:30 PM - 06:35 PM	54.1	43.7
01:15 PM - 01:20 PM	65.0	55.9	03:55 PM - 04:00 PM	66.2	54.2	06:35 PM - 06:40 PM	50.1	44.8
01:20 PM - 01:25 PM	66.1	54.1	04:00 PM - 04:05 PM	58.1	51.4	06:40 PM - 06:45 PM	51.5	45.3
01:25 PM - 01:30 PM	63.0	52.0	04:05 PM - 04:10 PM	59.8	54.0	06:45 PM - 06:50 PM	51.4	44.2
01:30 PM - 01:35 PM	62.9	49.9	04:10 PM - 04:15 PM	63.5	50.1	06:50 PM - 06:55 PM	55.3	45.5
01:35 PM - 01:40 PM	63.5	51.6	04:15 PM - 04:20 PM	59.1	51.0	06:55 PM - 07:00 PM	52.3	45.2

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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: 24124990
Date Received :Dec 23, 2024
Date Reported :Dec 25, 2024
Report Number :3201658-1

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

Sample Number 24124990-14
Parameter Noise Level (Leq 5 min)
Location บ้านพักอาศัย หมู่ 2 ซ.มาบยางพร 15 (N2) (GPS 47P 0733648, 1434012)
Measurement Date Dec 21 - Dec 22, 2024
Measurement by Panuwat Wangbong
Sound Level meter Serial No. 623392

Dec 21, 2024 Time	Leq dB(A)	L90 dB(A)	Dec 21 - Dec 22, 2024 Time	Leq dB(A)	L90 dB(A)	Dec 22, 2024 Time	Leq dB(A)	L90 dB(A)
07:00 PM - 07:05 PM	49.8	45.5	09:40 PM - 09:45 PM	47.9	43.2	12:20 AM - 12:25 AM	45.5	39.5
07:05 PM - 07:10 PM	51.6	45.3	09:45 PM - 09:50 PM	50.2	42.8	12:25 AM - 12:30 AM	49.3	39.3
07:10 PM - 07:15 PM	53.9	45.6	09:50 PM - 09:55 PM	49.8	43.1	12:30 AM - 12:35 AM	49.8	39.7
07:15 PM - 07:20 PM	54.3	45.9	09:55 PM - 10:00 PM	50.2	43.1	12:35 AM - 12:40 AM	45.4	39.8
07:20 PM - 07:25 PM	54.2	47.0	10:00 PM - 10:05 PM	61.5	43.3	12:40 AM - 12:45 AM	47.9	40.1
07:25 PM - 07:30 PM	55.7	46.1	10:05 PM - 10:10 PM	46.6	42.1	12:45 AM - 12:50 AM	44.8	40.2
07:30 PM - 07:35 PM	54.3	45.6	10:10 PM - 10:15 PM	45.7	42.2	12:50 AM - 12:55 AM	44.3	40.7
07:35 PM - 07:40 PM	51.2	45.1	10:15 PM - 10:20 PM	63.0	41.9	12:55 AM - 01:00 AM	43.2	39.8
07:40 PM - 07:45 PM	54.4	44.1	10:20 PM - 10:25 PM	50.9	42.3	01:00 AM - 01:05 AM	48.7	39.6
07:45 PM - 07:50 PM	51.9	43.9	10:25 PM - 10:30 PM	48.7	42.0	01:05 AM - 01:10 AM	42.5	39.3
07:50 PM - 07:55 PM	49.7	45.2	10:30 PM - 10:35 PM	46.9	43.9	01:10 AM - 01:15 AM	41.2	38.5
07:55 PM - 08:00 PM	54.7	44.6	10:35 PM - 10:40 PM	47.8	44.8	01:15 AM - 01:20 AM	48.2	39.2
08:00 PM - 08:05 PM	55.3	45.6	10:40 PM - 10:45 PM	47.2	43.5	01:20 AM - 01:25 AM	41.7	38.9
08:05 PM - 08:10 PM	55.5	45.6	10:45 PM - 10:50 PM	46.3	42.9	01:25 AM - 01:30 AM	41.4	38.7
08:10 PM - 08:15 PM	52.2	45.1	10:50 PM - 10:55 PM	47.7	42.7	01:30 AM - 01:35 AM	41.5	38.6
08:15 PM - 08:20 PM	52.3	46.2	10:55 PM - 11:00 PM	44.7	42.5	01:35 AM - 01:40 AM	44.3	39.1
08:20 PM - 08:25 PM	53.6	44.9	11:00 PM - 11:05 PM	46.9	42.6	01:40 AM - 01:45 AM	41.9	38.6
08:25 PM - 08:30 PM	52.0	45.1	11:05 PM - 11:10 PM	46.6	40.7	01:45 AM - 01:50 AM	42.2	39.6
08:30 PM - 08:35 PM	49.1	44.3	11:10 PM - 11:15 PM	51.6	40.9	01:50 AM - 01:55 AM	44.8	39.1
08:35 PM - 08:40 PM	56.5	45.5	11:15 PM - 11:20 PM	53.0	41.0	01:55 AM - 02:00 AM	42.1	39.1
08:40 PM - 08:45 PM	53.5	44.2	11:20 PM - 11:25 PM	43.7	39.9	02:00 AM - 02:05 AM	48.5	39.7
08:45 PM - 08:50 PM	52.7	44.4	11:25 PM - 11:30 PM	43.1	41.2	02:05 AM - 02:10 AM	42.3	38.7
08:50 PM - 08:55 PM	53.5	44.5	11:30 PM - 11:35 PM	43.8	40.4	02:10 AM - 02:15 AM	40.4	37.9
08:55 PM - 09:00 PM	47.4	44.0	11:35 PM - 11:40 PM	44.1	39.5	02:15 AM - 02:20 AM	40.8	37.8
09:00 PM - 09:05 PM	49.5	43.2	11:40 PM - 11:45 PM	45.8	39.9	02:20 AM - 02:25 AM	47.6	38.6
09:05 PM - 09:10 PM	51.2	42.6	11:45 PM - 11:50 PM	50.0	39.1	02:25 AM - 02:30 AM	41.9	38.0
09:10 PM - 09:15 PM	49.8	43.7	11:50 PM - 11:55 PM	45.4	41.2	02:30 AM - 02:35 AM	41.7	38.3
09:15 PM - 09:20 PM	51.7	43.5	11:55 PM - 12:00 AM	48.3	41.3	02:35 AM - 02:40 AM	43.4	38.9
09:20 PM - 09:25 PM	49.7	42.5	12:00 AM - 12:05 AM	46.6	42.1	02:40 AM - 02:45 AM	40.3	37.5
09:25 PM - 09:30 PM	48.1	43.2	12:05 AM - 12:10 AM	47.7	41.0	02:45 AM - 02:50 AM	39.9	37.3
09:30 PM - 09:35 PM	50.5	43.5	12:10 AM - 12:15 AM	46.4	40.4	02:50 AM - 02:55 AM	41.3	37.8
09:35 PM - 09:40 PM	50.6	43.7	12:15 AM - 12:20 AM	53.4	40.6	02:55 AM - 03:00 AM	41.3	37.1

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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: 24124990
Date Received :Dec 23, 2024
Date Reported :Dec 25, 2024
Report Number :3201658-1

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

Sample Number 24124990-14
Parameter Noise Level (Leq 5 min)
Location บ้านพักอาศัย หมู่ 2 ซ.มาบยางพร 15 (N2) (GPS 47P 0733648, 1434012)
Measurement Date Dec 21 - Dec 22, 2024
Measurement by Panuwat Wangbong
Sound Level meter Serial No. 623392

Dec 22, 2024 Time	Leq dB(A)	L90 dB(A)	Dec 22, 2024 Time	Leq dB(A)	L90 dB(A)	Dec 22, 2024 Time	Leq dB(A)	L90 dB(A)
03:00 AM - 03:05 AM	39.1	36.4	05:40 AM - 05:45 AM	52.2	42.5	08:20 AM - 08:25 AM	58.4	51.4
03:05 AM - 03:10 AM	42.6	38.3	05:45 AM - 05:50 AM	50.4	41.4	08:25 AM - 08:30 AM	55.9	51.5
03:10 AM - 03:15 AM	43.8	37.4	05:50 AM - 05:55 AM	53.9	42.0	08:30 AM - 08:35 AM	56.6	51.6
03:15 AM - 03:20 AM	42.9	39.3	05:55 AM - 06:00 AM	53.9	42.5	08:35 AM - 08:40 AM	57.2	52.6
03:20 AM - 03:25 AM	47.2	41.5	06:00 AM - 06:05 AM	53.5	45.0	08:40 AM - 08:45 AM	56.0	51.7
03:25 AM - 03:30 AM	48.6	41.9	06:05 AM - 06:10 AM	53.2	44.3	08:45 AM - 08:50 AM	59.4	51.7
03:30 AM - 03:35 AM	44.2	39.3	06:10 AM - 06:15 AM	55.4	43.9	08:50 AM - 08:55 AM	60.0	52.8
03:35 AM - 03:40 AM	44.0	40.0	06:15 AM - 06:20 AM	55.2	45.1	08:55 AM - 09:00 AM	57.9	52.7
03:40 AM - 03:45 AM	41.8	37.8	06:20 AM - 06:25 AM	53.5	45.3	09:00 AM - 09:05 AM	56.8	51.8
03:45 AM - 03:50 AM	39.9	37.0	06:25 AM - 06:30 AM	54.9	45.9	09:05 AM - 09:10 AM	61.0	52.1
03:50 AM - 03:55 AM	39.0	36.4	06:30 AM - 06:35 AM	52.7	45.8	09:10 AM - 09:15 AM	65.5	62.7
03:55 AM - 04:00 AM	43.5	36.0	06:35 AM - 06:40 AM	55.3	45.5	09:15 AM - 09:20 AM	65.2	61.7
04:00 AM - 04:05 AM	47.4	37.0	06:40 AM - 06:45 AM	52.9	44.3	09:20 AM - 09:25 AM	64.3	59.8
04:05 AM - 04:10 AM	42.0	37.4	06:45 AM - 06:50 AM	57.6	46.1	09:25 AM - 09:30 AM	67.9	61.2
04:10 AM - 04:15 AM	41.7	37.3	06:50 AM - 06:55 AM	56.5	47.1	09:30 AM - 09:35 AM	63.1	58.8
04:15 AM - 04:20 AM	41.0	37.0	06:55 AM - 07:00 AM	56.1	47.4	09:35 AM - 09:40 AM	63.5	60.4
04:20 AM - 04:25 AM	44.0	38.6	07:00 AM - 07:05 AM	54.5	46.8	09:40 AM - 09:45 AM	62.6	59.3
04:25 AM - 04:30 AM	42.7	38.4	07:05 AM - 07:10 AM	57.4	47.1	09:45 AM - 09:50 AM	62.7	59.6
04:30 AM - 04:35 AM	44.1	36.6	07:10 AM - 07:15 AM	53.9	47.5	09:50 AM - 09:55 AM	63.8	61.7
04:35 AM - 04:40 AM	43.1	37.7	07:15 AM - 07:20 AM	55.7	46.7	09:55 AM - 10:00 AM	64.0	61.7
04:40 AM - 04:45 AM	42.8	39.5	07:20 AM - 07:25 AM	54.8	47.4	10:00 AM - 10:05 AM	66.0	61.5
04:45 AM - 04:50 AM	53.2	39.6	07:25 AM - 07:30 AM	60.6	50.3	10:05 AM - 10:10 AM	64.3	59.8
04:50 AM - 04:55 AM	60.4	48.1	07:30 AM - 07:35 AM	57.4	47.6	10:10 AM - 10:15 AM	64.5	59.0
04:55 AM - 05:00 AM	55.3	44.9	07:35 AM - 07:40 AM	53.2	48.0	10:15 AM - 10:20 AM	63.2	58.2
05:00 AM - 05:05 AM	53.8	41.1	07:40 AM - 07:45 AM	54.2	46.7	10:20 AM - 10:25 AM	59.6	57.2
05:05 AM - 05:10 AM	48.9	42.0	07:45 AM - 07:50 AM	58.2	48.2	10:25 AM - 10:30 AM	64.1	56.3
05:10 AM - 05:15 AM	55.1	42.6	07:50 AM - 07:55 AM	56.0	49.2	10:30 AM - 10:35 AM	64.1	56.6
05:15 AM - 05:20 AM	49.1	41.0	07:55 AM - 08:00 AM	55.5	48.1	10:35 AM - 10:40 AM	62.9	57.3
05:20 AM - 05:25 AM	47.2	41.4	08:00 AM - 08:05 AM	58.0	50.9	10:40 AM - 10:45 AM	63.3	54.1
05:25 AM - 05:30 AM	47.2	39.0	08:05 AM - 08:10 AM	63.2	51.1	10:45 AM - 10:50 AM	57.2	53.7
05:30 AM - 05:35 AM	47.2	40.2	08:10 AM - 08:15 AM	68.3	51.6	10:50 AM - 10:55 AM	59.9	55.0
05:35 AM - 05:40 AM	53.7	42.1	08:15 AM - 08:20 AM	57.2	52.3	10:55 AM - 11:00 AM	61.2	53.4

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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: 24124991
Date Received :Dec 23, 2024
Date Reported :Dec 25, 2024
Report Number : 3201339-1

Sample No. 24124991-1
Parameter เสียงรบกวน
Location บ้านวังตาลหม่อน (N1) (GPS 47P 07304083 1432148)
Measurement Date Dec 15 - 16, 2024
Measurement by Puwanart Pimpan
Sound Level Meter 623393

ระดับเสียง (dB(A))						
เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าระดับการรบกวน
			กลางวัน	กลางคืน		
12:00 PM - 01:00 PM	51.6	52.1	n/a	-	44.6	-
01:00 PM - 02:00 PM	51.4	51.2	37.9	-	44.2	-6.3
02:00 PM - 03:00 PM	52.6	51.4	46.4	-	44.3	2.1
03:00 PM - 04:00 PM	52.2	52.0	38.7	-	44.5	-5.8
04:00 PM - 05:00 PM	53.7	53.2	44.1	-	45.8	-1.7
05:00 PM - 06:00 PM	54.9	54.0	47.6	-	46.8	0.8
06:00 PM - 07:00 PM	54.5	53.2	48.6	-	44.3	4.3
07:00 PM - 08:00 PM	52.9	51.4	47.6	-	42.8	4.8
08:00 PM - 09:00 PM	51.1	50.6	41.5	-	43.9	-2.4
09:00 PM - 10:00 PM	50.2	49.4	42.5	-	41.9	0.6
10:00 PM - 10:05 PM	48.0	51.6	-	n/a	42.4	-
10:05 PM - 10:10 PM	49.6	46.8	-	49.4	39.9	9.5
10:10 PM - 10:15 PM	47.2	50.5	-	n/a	40.6	-
10:15 PM - 10:20 PM	56.4	46.5	-	58.9	40.1	18.8
10:20 PM - 10:25 PM	47.0	52.0	-	n/a	41.2	-
10:25 PM - 10:30 PM	47.2	45.0	-	46.2	37.9	8.3
10:30 PM - 10:35 PM	47.9	45.4	-	47.3	37.5	9.8
10:35 PM - 10:40 PM	45.4	47.0	-	n/a	40.3	-
10:40 PM - 10:45 PM	47.5	46.1	-	44.9	40.0	4.9
10:45 PM - 10:50 PM	45.3	46.7	-	n/a	39.1	-
10:50 PM - 10:55 PM	46.1	46.0	-	32.7	39.9	-7.2
10:55 PM - 11:00 PM	46.2	43.2	-	46.2	36.7	9.5
11:00 PM - 11:05 PM	46.3	46.2	-	32.9	38.7	-5.8
11:05 PM - 11:10 PM	45.2	47.1	-	n/a	38.0	-
11:10 PM - 11:15 PM	45.5	44.1	-	42.9	38.6	4.3
11:15 PM - 11:20 PM	46.5	45.2	-	43.6	38.3	5.3
11:20 PM - 11:25 PM	46.1	45.8	-	37.3	39.6	-2.3
11:25 PM - 11:30 PM	45.4	44.7	-	40.1	38.7	1.4
11:30 PM - 11:35 PM	44.6	44.6	-	n/a	39.9	-
11:35 PM - 11:40 PM	43.4	43.7	-	n/a	37.9	-
11:40 PM - 11:45 PM	47.0	43.4	-	47.5	36.7	10.8
11:45 PM - 11:50 PM	43.0	47.2	-	n/a	38.2	-
11:50 PM - 11:55 PM	46.1	41.8	-	47.1	36.3	10.8
11:55 PM - 12:00 AM	40.7	46.7	-	n/a	36.7	-
12:00 AM - 12:05 AM	42.9	40.5	-	42.2	34.6	7.6
12:05 AM - 12:10 AM	45.2	44.8	-	37.6	34.5	3.1
12:10 AM - 12:15 AM	40.6	43.7	-	n/a	35.5	-
12:15 AM - 12:20 AM	47.8	39.5	-	50.1	35.0	15.1
12:20 AM - 12:25 AM	45.7	48.8	-	n/a	37.0	-
12:25 AM - 12:30 AM	45.7	46.7	-	n/a	36.1	-

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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: 24124991
Date Received :Dec 23, 2024
Date Reported :Dec 25, 2024
Report Number : 3201339-1

Sample No. 24124991-1
Parameter เสียงรบกวน
Location บ้านวังตาลหม่อน (N1) (GPS 47P 07304083 1432148)
Measurement Date Dec 15 - 16, 2024
Measurement by Puwanart Pimpan
Sound Level Meter 623393

ระดับเสียง (dB(A))						
เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าระดับการรบกวน
			กลางวัน	กลางคืน		
12:30 AM - 12:35 AM	42.9	43.0	-	n/a	36.1	-
12:35 AM - 12:40 AM	45.8	44.7	-	42.3	35.6	6.7
12:40 AM - 12:45 AM	43.6	44.9	-	n/a	37.1	-
12:45 AM - 12:50 AM	43.2	43.6	-	n/a	36.2	-
12:50 AM - 12:55 AM	43.6	39.9	-	44.2	35.6	8.6
12:55 AM - 01:00 AM	43.9	44.9	-	n/a	36.0	-
01:00 AM - 01:05 AM	39.7	41.2	-	n/a	35.2	-
01:05 AM - 01:10 AM	40.6	39.0	-	38.5	34.0	4.5
01:10 AM - 01:15 AM	42.6	44.3	-	n/a	34.2	-
01:15 AM - 01:20 AM	42.6	42.1	-	36.0	33.4	2.6
01:20 AM - 01:25 AM	44.1	37.7	-	46.0	33.3	12.7
01:25 AM - 01:30 AM	57.0	52.3	-	58.2	34.9	23.3
01:30 AM - 01:35 AM	44.6	54.8	-	n/a	32.7	-
01:35 AM - 01:40 AM	40.7	43.0	-	n/a	33.8	-
01:40 AM - 01:45 AM	44.4	41.9	-	43.8	33.8	10.0
01:45 AM - 01:50 AM	40.3	43.9	-	n/a	35.8	-
01:50 AM - 01:55 AM	39.3	39.9	-	n/a	34.8	-
01:55 AM - 02:00 AM	41.6	37.5	-	42.5	35.2	7.3
02:00 AM - 02:05 AM	43.2	41.9	-	40.3	36.3	4.0
02:05 AM - 02:10 AM	42.3	43.5	-	n/a	34.7	-
02:10 AM - 02:15 AM	38.6	38.6	-	n/a	35.4	-
02:15 AM - 02:20 AM	38.4	36.9	-	36.1	34.5	1.6
02:20 AM - 02:25 AM	43.0	38.3	-	44.2	34.1	10.1
02:25 AM - 02:30 AM	40.5	45.2	-	n/a	35.0	-
02:30 AM - 02:35 AM	40.7	42.3	-	n/a	34.2	-
02:35 AM - 02:40 AM	36.9	39.8	-	n/a	33.2	-
02:40 AM - 02:45 AM	39.8	35.0	-	41.1	32.9	8.2
02:45 AM - 02:50 AM	54.5	42.7	-	57.2	33.2	24.0
02:50 AM - 02:55 AM	40.5	46.5	-	n/a	34.2	-
02:55 AM - 03:00 AM	36.9	40.2	-	n/a	34.1	-
03:00 AM - 03:05 AM	39.3	37.9	-	36.7	34.2	2.5
03:05 AM - 03:10 AM	43.6	39.4	-	44.5	34.1	10.4
03:10 AM - 03:15 AM	39.9	42.4	-	n/a	33.9	-
03:15 AM - 03:20 AM	38.7	41.2	-	n/a	32.8	-
03:20 AM - 03:25 AM	42.1	38.0	-	43.0	32.8	10.2
03:25 AM - 03:30 AM	36.4	42.9	-	n/a	33.0	-
03:30 AM - 03:35 AM	38.7	35.4	-	39.0	33.2	5.8
03:35 AM - 03:40 AM	41.3	37.8	-	41.7	34.3	7.4
03:40 AM - 03:45 AM	51.0	41.8	-	53.4	34.8	18.6
03:45 AM - 03:50 AM	55.0	52.6	-	54.3	36.0	18.3

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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: 24124991
Date Received :Dec 23, 2024
Date Reported :Dec 25, 2024
Report Number : 3201339-1

Sample No. 24124991-1
Parameter เสียงรบกวน
Location บ้านวังตาลหม่อน (N1) (GPS 47P 07304083 1432148)
Measurement Date Dec 15 - 16, 2024
Measurement by Puwanart Pimpan
Sound Level Meter 623393

ระดับเสียง (dB(A))						
เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าระดับการรบกวน
			กลางวัน	กลางคืน		
03:50 AM - 03:55 AM	41.5	49.8	-	n/a	35.9	-
03:55 AM - 04:00 AM	39.8	41.1	-	n/a	35.2	-
04:00 AM - 04:05 AM	38.2	40.0	-	n/a	33.3	-
04:05 AM - 04:10 AM	36.6	37.4	-	n/a	33.3	-
04:10 AM - 04:15 AM	38.3	35.1	-	38.5	33.4	5.1
04:15 AM - 04:20 AM	52.3	42.6	-	54.8	34.2	20.6
04:20 AM - 04:25 AM	42.2	50.6	-	n/a	36.4	-
04:25 AM - 04:30 AM	42.2	41.7	-	35.6	35.1	0.5
04:30 AM - 04:35 AM	43.7	42.2	-	41.4	34.6	6.8
04:35 AM - 04:40 AM	42.6	44.9	-	n/a	35.3	-
04:40 AM - 04:45 AM	42.9	42.7	-	32.4	34.8	-2.4
04:45 AM - 04:50 AM	43.9	43.3	-	38.0	35.5	2.5
04:50 AM - 04:55 AM	39.5	43.1	-	n/a	35.4	-
04:55 AM - 05:00 AM	43.4	39.1	-	44.4	34.3	10.1
05:00 AM - 05:05 AM	43.7	44.7	-	n/a	33.9	-
05:05 AM - 05:10 AM	41.1	43.7	-	n/a	34.6	-
05:10 AM - 05:15 AM	51.0	44.6	-	52.9	34.4	18.5
05:15 AM - 05:20 AM	52.6	52.6	-	n/a	36.1	-
05:20 AM - 05:25 AM	57.5	48.4	-	59.9	35.3	24.6
05:25 AM - 05:30 AM	44.6	48.0	-	n/a	36.0	-
05:30 AM - 05:35 AM	48.9	45.8	-	49.0	37.1	11.9
05:35 AM - 05:40 AM	51.0	47.9	-	51.1	41.3	9.8
05:40 AM - 05:45 AM	50.6	50.5	-	37.2	40.2	-3.0
05:45 AM - 05:50 AM	49.6	50.4	-	n/a	42.8	-
05:50 AM - 05:55 AM	49.2	48.7	-	42.6	40.1	2.5
05:55 AM - 06:00 AM	55.3	47.7	-	57.5	40.9	16.6
06:00 AM - 07:00 AM	55.8	53.1	52.5	-	44.5	8.0
07:00 AM - 08:00 AM	58.9	56.6	55.0	-	49.7	5.3
08:00 AM - 09:00 AM	54.2	53.4	46.5	-	48.3	-1.8
09:00 AM - 10:00 AM	53.5	53.0	43.9	-	47.6	-3.7
10:00 AM - 11:00 AM	53.5	53.6	n/a	-	47.4	-
11:00 AM - 12:00 PM	53.5	52.7	45.8	-	45.5	0.3
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 15-16 ธันวาคม 2567
2. ระดับเสียงพื้นฐานและระดับเสียงขณะไม่มีการรบกวน (Sample No.24124992-1 วันที่ตรวจวัด 15-16 ธันวาคม 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: 24124991
Date Received :Dec 23, 2024
Date Reported :Dec 25, 2024
Report Number : 3201340-1

Sample No. 24124991-2
Parameter เสียงรบกวน
Location บ้านวังตาลหม่อน (N1) (GPS 47P 07304083 1432148)
Measurement Date Dec 16 - 17, 2024
Measurement by Puwanart Pimpan
Sound Level Meter 623393

ระดับเสียง (dB(A))						
เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าระดับการรบกวน
			กลางวัน	กลางคืน		
12:00 PM - 01:00 PM	52.0	51.6	41.4	-	43.7	-2.3
01:00 PM - 02:00 PM	53.1	54.8	n/a	-	45.2	-
02:00 PM - 03:00 PM	51.0	51.2	n/a	-	44.0	-
03:00 PM - 04:00 PM	51.7	50.7	44.8	-	42.4	2.4
04:00 PM - 05:00 PM	54.3	52.4	49.8	-	45.1	4.7
05:00 PM - 06:00 PM	54.4	56.7	n/a	-	47.2	-
06:00 PM - 07:00 PM	51.5	51.9	n/a	-	44.2	-
07:00 PM - 08:00 PM	50.7	50.3	40.1	-	42.5	-2.4
08:00 PM - 09:00 PM	51.5	51.7	n/a	-	43.3	-
09:00 PM - 10:00 PM	50.4	50.0	39.8	-	40.8	-1.0
10:00 PM - 10:05 PM	48.1	45.5	-	47.6	38.8	8.8
10:05 PM - 10:10 PM	50.7	48.2	-	50.1	40.2	9.9
10:10 PM - 10:15 PM	46.3	46.6	-	n/a	38.7	-
10:15 PM - 10:20 PM	52.8	47.7	-	54.2	39.4	14.8
10:20 PM - 10:25 PM	49.0	50.1	-	n/a	38.8	-
10:25 PM - 10:30 PM	47.5	46.4	-	44.0	38.6	5.4
10:30 PM - 10:35 PM	45.8	47.9	-	n/a	40.5	-
10:35 PM - 10:40 PM	47.1	46.5	-	41.2	39.1	2.1
10:40 PM - 10:45 PM	53.1	54.1	-	n/a	38.0	-
10:45 PM - 10:50 PM	49.6	48.4	-	46.4	36.7	9.7
10:50 PM - 10:55 PM	45.2	49.8	-	n/a	38.2	-
10:55 PM - 11:00 PM	63.4	44.8	-	66.3	36.0	30.3
11:00 PM - 11:05 PM	61.5	63.0	-	n/a	36.4	-
11:05 PM - 11:10 PM	47.0	45.7	-	44.1	36.7	7.4
11:10 PM - 11:15 PM	45.0	46.1	-	n/a	36.9	-
11:15 PM - 11:20 PM	56.3	45.7	-	58.9	36.0	22.9
11:20 PM - 11:25 PM	41.0	56.7	-	n/a	36.1	-
11:25 PM - 11:30 PM	46.2	36.9	-	48.7	34.7	14.0
11:30 PM - 11:35 PM	43.5	47.5	-	n/a	35.2	-
11:35 PM - 11:40 PM	43.1	41.5	-	41.0	35.3	5.7
11:40 PM - 11:45 PM	43.2	43.5	-	n/a	35.2	-
11:45 PM - 11:50 PM	47.4	42.1	-	48.9	34.5	14.4
11:50 PM - 11:55 PM	39.9	47.7	-	n/a	34.5	-
11:55 PM - 12:00 AM	49.6	40.4	-	52.0	34.5	17.5
12:00 AM - 12:05 AM	40.8	43.9	-	n/a	33.8	-
12:05 AM - 12:10 AM	52.2	43.4	-	54.6	34.4	20.2
12:10 AM - 12:15 AM	40.1	43.2	-	n/a	35.2	-
12:15 AM - 12:20 AM	42.9	39.5	-	43.2	34.9	8.3
12:20 AM - 12:25 AM	44.5	40.8	-	45.1	34.5	10.6
12:25 AM - 12:30 AM	44.0	45.3	-	n/a	35.3	-

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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: 24124991
Date Received :Dec 23, 2024
Date Reported :Dec 25, 2024
Report Number : 3201340-1

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

Sample No. 24124991-2
Parameter เสียงรบกวน
Location บ้านวังตาลหม่อน (N1) (GPS 47P 07304083 1432148)
Measurement Date Dec 16 - 17, 2024
Measurement by Puwanart Pimpan
Sound Level Meter 623393

ระดับเสียง (dB(A))						
เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าระดับการรบกวน
			กลางวัน	กลางคืน		
12:30 AM - 12:35 AM	42.1	44.3	-	n/a	35.3	-
12:35 AM - 12:40 AM	41.4	40.4	-	37.5	34.5	3.0
12:40 AM - 12:45 AM	41.5	41.3	-	31.0	34.2	-3.2
12:45 AM - 12:50 AM	44.9	44.9	-	n/a	34.7	-
12:50 AM - 12:55 AM	42.2	40.4	-	40.5	33.7	6.8
12:55 AM - 01:00 AM	46.8	42.3	-	47.9	34.7	13.2
01:00 AM - 01:05 AM	43.5	47.6	-	n/a	35.1	-
01:05 AM - 01:10 AM	41.2	43.9	-	n/a	34.2	-
01:10 AM - 01:15 AM	37.0	40.4	-	n/a	33.0	-
01:15 AM - 01:20 AM	40.5	39.0	-	38.2	33.3	4.9
01:20 AM - 01:25 AM	47.8	40.9	-	49.8	33.5	16.3
01:25 AM - 01:30 AM	47.1	57.9	-	n/a	33.7	-
01:30 AM - 01:35 AM	46.6	45.5	-	43.1	35.4	7.7
01:35 AM - 01:40 AM	40.7	44.9	-	n/a	35.3	-
01:40 AM - 01:45 AM	38.1	37.8	-	29.3	33.3	-4.0
01:45 AM - 01:50 AM	43.0	35.2	-	45.2	33.4	11.8
01:50 AM - 01:55 AM	42.2	44.5	-	n/a	33.5	-
01:55 AM - 02:00 AM	43.7	45.3	-	n/a	33.0	-
02:00 AM - 02:05 AM	37.5	45.4	-	n/a	33.4	-
02:05 AM - 02:10 AM	40.2	36.7	-	40.6	32.5	8.1
02:10 AM - 02:15 AM	43.1	47.4	-	n/a	33.6	-
02:15 AM - 02:20 AM	42.7	42.0	-	37.4	33.7	3.7
02:20 AM - 02:25 AM	42.5	43.4	-	n/a	33.9	-
02:25 AM - 02:30 AM	45.7	42.8	-	45.6	34.1	11.5
02:30 AM - 02:35 AM	41.8	46.3	-	n/a	33.8	-
02:35 AM - 02:40 AM	38.6	41.9	-	n/a	34.1	-
02:40 AM - 02:45 AM	41.7	38.5	-	41.9	33.4	8.5
02:45 AM - 02:50 AM	43.9	45.4	-	n/a	34.1	-
02:50 AM - 02:55 AM	62.3	37.2	-	65.3	33.8	31.5
02:55 AM - 03:00 AM	40.4	47.8	-	n/a	34.2	-
03:00 AM - 03:05 AM	42.0	40.4	-	39.9	33.7	6.2
03:05 AM - 03:10 AM	37.4	42.1	-	n/a	33.1	-
03:10 AM - 03:15 AM	49.3	37.7	-	52.0	33.3	18.7
03:15 AM - 03:20 AM	38.1	48.1	-	n/a	33.4	-
03:20 AM - 03:25 AM	37.9	35.2	-	37.6	32.6	5.0
03:25 AM - 03:30 AM	41.9	34.5	-	44.0	33.0	11.0
03:30 AM - 03:35 AM	44.9	40.5	-	45.9	33.2	12.7
03:35 AM - 03:40 AM	42.8	45.2	-	n/a	34.0	-
03:40 AM - 03:45 AM	42.6	44.6	-	n/a	32.7	-
03:45 AM - 03:50 AM	40.7	36.2	-	41.8	34.4	7.4

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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: 24124991
Date Received :Dec 23, 2024
Date Reported :Dec 25, 2024
Report Number : 3201340-1

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

Sample No. 24124991-2
Parameter เสียงรบกวน
Location บ้านวังตาลหม่อน (N1) (GPS 47P 07304083 1432148)
Measurement Date Dec 16 - 17, 2024
Measurement by Puwanart Pimpan
Sound Level Meter 623393

ระดับเสียง (dB(A))						
เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าระดับการรบกวน
			กลางวัน	กลางคืน		
03:50 AM - 03:55 AM	38.6	39.8	-	n/a	34.8	-
03:55 AM - 04:00 AM	43.0	39.3	-	43.6	35.1	8.5
04:00 AM - 04:05 AM	40.4	41.2	-	n/a	35.1	-
04:05 AM - 04:10 AM	41.0	36.6	-	42.0	35.1	6.9
04:10 AM - 04:15 AM	42.7	38.1	-	43.9	35.3	8.6
04:15 AM - 04:20 AM	46.8	43.7	-	46.9	35.8	11.1
04:20 AM - 04:25 AM	41.9	45.5	-	n/a	35.5	-
04:25 AM - 04:30 AM	43.3	41.6	-	41.4	34.9	6.5
04:30 AM - 04:35 AM	41.9	40.8	-	38.4	36.0	2.4
04:35 AM - 04:40 AM	44.4	40.1	-	45.4	36.2	9.2
04:40 AM - 04:45 AM	45.8	44.6	-	42.6	36.1	6.5
04:45 AM - 04:50 AM	42.8	44.9	-	n/a	35.8	-
04:50 AM - 04:55 AM	43.9	41.6	-	43.0	35.7	7.3
04:55 AM - 05:00 AM	47.3	43.5	-	48.0	35.9	12.1
05:00 AM - 05:05 AM	44.9	47.2	-	n/a	35.5	-
05:05 AM - 05:10 AM	45.9	44.3	-	43.8	36.6	7.2
05:10 AM - 05:15 AM	44.6	45.2	-	n/a	36.6	-
05:15 AM - 05:20 AM	48.5	42.7	-	50.2	36.0	14.2
05:20 AM - 05:25 AM	46.3	46.8	-	n/a	37.4	-
05:25 AM - 05:30 AM	46.8	46.7	-	33.4	36.6	-3.2
05:30 AM - 05:35 AM	49.7	46.3	-	50.0	37.1	12.9
05:35 AM - 05:40 AM	47.0	50.4	-	n/a	40.1	-
05:40 AM - 05:45 AM	47.8	45.1	-	47.5	38.6	8.9
05:45 AM - 05:50 AM	49.9	49.1	-	45.2	40.5	4.7
05:50 AM - 05:55 AM	53.2	49.5	-	53.8	39.2	14.6
05:55 AM - 06:00 AM	54.7	53.4	-	51.8	40.7	11.1
06:00 AM - 07:00 AM	52.8	52.0	45.1	-	44.2	0.9
07:00 AM - 08:00 AM	58.0	56.0	53.7	-	49.9	3.8
08:00 AM - 09:00 AM	55.2	54.0	49.0	-	47.6	1.4
09:00 AM - 10:00 AM	53.3	53.1	39.8	-	45.7	-5.9
10:00 AM - 11:00 AM	54.7	51.7	51.7	-	44.6	7.1
11:00 AM - 12:00 PM	52.5	52.0	42.9	-	45.5	-2.6
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 16-17 ธันวาคม 2567
2. ระดับเสียงพื้นฐานและระดับเสียงขณะไม่มีการรบกวน (Sample No.24124992-2 วันที่ตรวจวัด 16-17 ธันวาคม 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: 24124991
Date Received :Dec 23, 2024
Date Reported :Dec 25, 2024
Report Number : 3201341-1

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

Sample No. 24124991-3
Parameter เสียงรบกวน
Location บ้านวังตาลหม่อน (N1) (GPS 47P 07304083 1432148)
Measurement Date Dec 17 - 18, 2024
Measurement by Puwanart Pimpan
Sound Level Meter 623393

ระดับเสียง (dB(A))						
เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าระดับการรบกวน
			กลางวัน	กลางคืน		
12:00 PM - 01:00 PM	51.9	50.8	45.4	-	42.9	2.5
01:00 PM - 02:00 PM	54.4	50.8	51.9	-	43.3	8.6
02:00 PM - 03:00 PM	55.0	51.5	52.4	-	42.9	9.5
03:00 PM - 04:00 PM	54.7	51.4	52.0	-	44.6	7.4
04:00 PM - 05:00 PM	56.4	53.4	53.4	-	45.1	8.3
05:00 PM - 06:00 PM	53.7	53.8	n/a	-	45.7	-
06:00 PM - 07:00 PM	55.5	52.4	52.6	-	44.9	7.7
07:00 PM - 08:00 PM	51.7	51.1	42.8	-	43.4	-0.6
08:00 PM - 09:00 PM	52.3	50.9	46.7	-	43.9	2.8
09:00 PM - 10:00 PM	52.5	49.0	49.9	-	40.5	9.4
10:00 PM - 10:05 PM	49.8	44.5	-	51.3	36.9	14.4
10:05 PM - 10:10 PM	46.0	48.5	-	n/a	39.3	-
10:10 PM - 10:15 PM	51.7	46.5	-	53.1	37.2	15.9
10:15 PM - 10:20 PM	47.8	51.4	-	n/a	38.5	-
10:20 PM - 10:25 PM	50.3	49.6	-	45.0	38.0	7.0
10:25 PM - 10:30 PM	47.5	47.2	-	38.7	38.8	-0.1
10:30 PM - 10:35 PM	47.7	44.8	-	47.6	37.8	9.8
10:35 PM - 10:40 PM	46.3	45.4	-	42.0	38.3	3.7
10:40 PM - 10:45 PM	50.9	46.7	-	51.8	38.4	13.4
10:45 PM - 10:50 PM	46.5	50.6	-	n/a	38.2	-
10:50 PM - 10:55 PM	44.3	46.3	-	n/a	37.4	-
10:55 PM - 11:00 PM	48.2	46.2	-	46.9	36.8	10.1
11:00 PM - 11:05 PM	50.0	48.5	-	47.7	37.2	10.5
11:05 PM - 11:10 PM	60.4	48.0	-	63.1	36.9	26.2
11:10 PM - 11:15 PM	60.1	47.4	-	62.9	36.3	26.6
11:15 PM - 11:20 PM	48.8	45.3	-	49.2	35.5	13.7
11:20 PM - 11:25 PM	41.8	48.3	-	n/a	35.2	-
11:25 PM - 11:30 PM	43.3	40.2	-	43.4	35.2	8.2
11:30 PM - 11:35 PM	47.3	42.0	-	48.8	35.7	13.1
11:35 PM - 11:40 PM	47.0	47.2	-	n/a	35.8	-
11:40 PM - 11:45 PM	43.1	47.1	-	n/a	35.7	-
11:45 PM - 11:50 PM	45.8	43.3	-	45.2	36.1	9.1
11:50 PM - 11:55 PM	43.7	45.8	-	n/a	36.3	-
11:55 PM - 12:00 AM	43.6	43.2	-	36.0	35.0	1.0
12:00 AM - 12:05 AM	48.1	43.3	-	49.4	35.2	14.2
12:05 AM - 12:10 AM	46.1	44.6	-	43.8	35.5	8.3
12:10 AM - 12:15 AM	44.9	45.0	-	n/a	35.0	-
12:15 AM - 12:20 AM	48.2	47.9	-	39.4	35.6	3.8
12:20 AM - 12:25 AM	44.0	46.8	-	n/a	35.2	-
12:25 AM - 12:30 AM	43.4	44.0	-	n/a	34.0	-

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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: 24124991
Date Received :Dec 23, 2024
Date Reported :Dec 25, 2024
Report Number : 3201341-1

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

Sample No. 24124991-3
Parameter เสียงรบกวน
Location บ้านวังตาลหม่อน (N1) (GPS 47P 07304083 1432148)
Measurement Date Dec 17 - 18, 2024
Measurement by Puwanart Pimpan
Sound Level Meter 623393

ระดับเสียง (dB(A))						
เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าระดับการรบกวน
			กลางวัน	กลางคืน		
12:30 AM - 12:35 AM	42.6	43.6	-	n/a	34.6	-
12:35 AM - 12:40 AM	50.6	47.2	-	50.9	34.5	16.4
12:40 AM - 12:45 AM	45.2	46.5	-	n/a	35.3	-
12:45 AM - 12:50 AM	53.7	49.8	-	54.4	35.6	18.8
12:50 AM - 12:55 AM	61.8	58.3	-	62.2	37.3	24.9
12:55 AM - 01:00 AM	59.1	59.7	-	n/a	35.9	-
01:00 AM - 01:05 AM	50.2	46.7	-	50.6	34.0	16.6
01:05 AM - 01:10 AM	44.6	48.0	-	n/a	35.5	-
01:10 AM - 01:15 AM	38.6	44.2	-	n/a	33.9	-
01:15 AM - 01:20 AM	43.3	34.6	-	45.7	33.7	12.0
01:20 AM - 01:25 AM	43.1	43.0	-	29.7	34.6	-4.9
01:25 AM - 01:30 AM	41.1	43.3	-	n/a	34.5	-
01:30 AM - 01:35 AM	42.8	41.1	-	40.9	34.6	6.3
01:35 AM - 01:40 AM	43.5	43.6	-	n/a	35.3	-
01:40 AM - 01:45 AM	62.4	52.6	-	64.9	35.1	29.8
01:45 AM - 01:50 AM	40.4	60.9	-	n/a	34.6	-
01:50 AM - 01:55 AM	46.7	36.2	-	49.3	34.6	14.7
01:55 AM - 02:00 AM	61.8	69.8	-	n/a	35.7	-
02:00 AM - 02:05 AM	47.2	43.3	-	47.9	35.4	12.5
02:05 AM - 02:10 AM	38.8	47.3	-	n/a	34.9	-
02:10 AM - 02:15 AM	39.6	36.6	-	39.6	35.2	4.4
02:15 AM - 02:20 AM	52.8	42.2	-	55.4	35.1	20.3
02:20 AM - 02:25 AM	59.0	59.8	-	n/a	36.0	-
02:25 AM - 02:30 AM	51.2	55.9	-	n/a	36.0	-
02:30 AM - 02:35 AM	54.9	54.0	-	50.6	34.6	16.0
02:35 AM - 02:40 AM	59.4	46.8	-	62.2	35.3	26.9
02:40 AM - 02:45 AM	53.0	64.6	-	n/a	38.0	-
02:45 AM - 02:50 AM	54.0	59.6	-	n/a	34.1	-
02:50 AM - 02:55 AM	47.0	61.6	-	n/a	34.1	-
02:55 AM - 03:00 AM	39.6	51.5	-	n/a	33.8	-
03:00 AM - 03:05 AM	42.9	41.1	-	41.2	34.3	6.9
03:05 AM - 03:10 AM	42.1	43.3	-	n/a	34.4	-
03:10 AM - 03:15 AM	39.0	40.9	-	n/a	34.0	-
03:15 AM - 03:20 AM	41.9	37.7	-	42.8	34.1	8.7
03:20 AM - 03:25 AM	50.2	40.0	-	52.8	34.4	18.4
03:25 AM - 03:30 AM	46.7	51.4	-	n/a	34.7	-
03:30 AM - 03:35 AM	45.0	45.6	-	n/a	34.8	-
03:35 AM - 03:40 AM	42.3	40.3	-	41.0	34.6	6.4
03:40 AM - 03:45 AM	42.5	39.8	-	42.2	34.4	7.8
03:45 AM - 03:50 AM	46.0	40.1	-	47.7	34.5	13.2

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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: 24124991
Date Received :Dec 23, 2024
Date Reported :Dec 25, 2024
Report Number : 3201341-1

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

Sample No. 24124991-3
Parameter เสียงรบกวน
Location บ้านวังตาลหม่อน (N1) (GPS 47P 07304083 1432148)
Measurement Date Dec 17 - 18, 2024
Measurement by Puwanart Pimpan
Sound Level Meter 623393

ระดับเสียง (dB(A))						
เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าระดับการรบกวน
			กลางวัน	กลางคืน		
03:50 AM - 03:55 AM	47.4	51.3	-	n/a	35.2	-
03:55 AM - 04:00 AM	42.2	38.9	-	42.5	34.5	8.0
04:00 AM - 04:05 AM	42.8	38.7	-	43.7	34.3	9.4
04:05 AM - 04:10 AM	43.4	37.4	-	45.1	34.9	10.2
04:10 AM - 04:15 AM	44.2	38.0	-	46.0	34.5	11.5
04:15 AM - 04:20 AM	45.5	45.4	-	32.1	35.6	-3.5
04:20 AM - 04:25 AM	45.1	46.5	-	n/a	36.0	-
04:25 AM - 04:30 AM	45.5	40.9	-	46.7	36.7	10.0
04:30 AM - 04:35 AM	45.6	46.7	-	n/a	36.1	-
04:35 AM - 04:40 AM	44.7	41.5	-	44.9	35.3	9.6
04:40 AM - 04:45 AM	44.1	40.3	-	44.8	35.8	9.0
04:45 AM - 04:50 AM	44.6	44.2	-	37.0	35.9	1.1
04:50 AM - 04:55 AM	44.6	43.1	-	42.3	36.9	5.4
04:55 AM - 05:00 AM	46.5	41.9	-	47.7	36.2	11.5
05:00 AM - 05:05 AM	47.6	47.8	-	n/a	37.0	-
05:05 AM - 05:10 AM	46.4	48.1	-	n/a	37.7	-
05:10 AM - 05:15 AM	46.4	45.8	-	40.5	37.5	3.0
05:15 AM - 05:20 AM	47.2	45.6	-	45.1	37.3	7.8
05:20 AM - 05:25 AM	52.1	46.9	-	53.5	37.5	16.0
05:25 AM - 05:30 AM	49.4	52.2	-	n/a	39.1	-
05:30 AM - 05:35 AM	48.2	46.2	-	46.9	37.1	9.8
05:35 AM - 05:40 AM	47.9	49.3	-	n/a	39.2	-
05:40 AM - 05:45 AM	49.8	47.2	-	49.3	38.1	11.2
05:45 AM - 05:50 AM	49.9	50.3	-	n/a	39.6	-
05:50 AM - 05:55 AM	59.1	51.9	-	61.2	42.1	19.1
05:55 AM - 06:00 AM	58.2	59.3	-	n/a	45.6	-
06:00 AM - 07:00 AM	54.6	55.0	n/a	-	45.2	-
07:00 AM - 08:00 AM	63.6	55.6	62.9	-	50.2	12.7
08:00 AM - 09:00 AM	57.6	53.9	55.2	-	47.5	7.7
09:00 AM - 10:00 AM	55.1	52.6	51.5	-	45.9	5.6
10:00 AM - 11:00 AM	54.6	52.0	51.1	-	45.8	5.3
11:00 AM - 12:00 PM	53.5	51.7	48.8	-	45.2	3.6
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 17-18 ธันวาคม 2567
2. ระดับเสียงพื้นฐานและระดับเสียงขณะไม่มีการรบกวน (Sample No.24124992-3 วันที่ตรวจวัด 17-18 ธันวาคม 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: 24124991
Date Received :Dec 23, 2024
Date Reported :Dec 25, 2024
Report Number : 3201342-1

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

Sample No. 24124991-4
Parameter เสียงรบกวน
Location บ้านวังตาลหม่อน (N1) (GPS 47P 07304083 1432148)
Measurement Date Dec 18 - 19, 2024
Measurement by Puwanart Pimpan
Sound Level Meter 623393

ระดับเสียง (dB(A))						
เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าระดับการรบกวน
			กลางวัน	กลางคืน		
12:00 PM - 01:00 PM	51.1	50.6	41.5	-	43.7	-2.2
01:00 PM - 02:00 PM	53.9	52.4	48.6	-	46.1	2.5
02:00 PM - 03:00 PM	53.8	52.8	46.9	-	45.1	1.8
03:00 PM - 04:00 PM	54.4	53.4	47.5	-	48.4	-0.9
04:00 PM - 05:00 PM	54.6	57.2	n/a	-	46.0	-
05:00 PM - 06:00 PM	53.6	53.5	37.2	-	46.6	-9.4
06:00 PM - 07:00 PM	52.6	51.5	46.1	-	43.7	2.4
07:00 PM - 08:00 PM	51.2	53.6	n/a	-	48.2	-
08:00 PM - 09:00 PM	53.3	52.6	45.0	-	47.4	-2.4
09:00 PM - 10:00 PM	48.7	48.9	n/a	-	40.5	-
10:00 PM - 10:05 PM	46.0	47.0	-	n/a	39.3	-
10:05 PM - 10:10 PM	47.8	47.5	-	39.0	39.6	-0.6
10:10 PM - 10:15 PM	46.8	47.0	-	n/a	39.2	-
10:15 PM - 10:20 PM	47.9	48.0	-	n/a	38.6	-
10:20 PM - 10:25 PM	46.4	47.9	-	n/a	39.1	-
10:25 PM - 10:30 PM	45.7	46.5	-	n/a	39.0	-
10:30 PM - 10:35 PM	46.5	45.9	-	40.6	38.2	2.4
10:35 PM - 10:40 PM	48.1	47.2	-	43.8	37.8	6.0
10:40 PM - 10:45 PM	48.0	49.0	-	n/a	37.0	-
10:45 PM - 10:50 PM	43.2	47.5	-	n/a	38.4	-
10:50 PM - 10:55 PM	44.7	44.5	-	34.2	36.8	-2.6
10:55 PM - 11:00 PM	52.3	48.7	-	52.8	36.6	16.2
11:00 PM - 11:05 PM	46.2	47.9	-	n/a	36.7	-
11:05 PM - 11:10 PM	55.3	56.6	-	n/a	37.0	-
11:10 PM - 11:15 PM	49.6	48.3	-	46.7	37.4	9.3
11:15 PM - 11:20 PM	46.8	48.4	-	n/a	39.7	-
11:20 PM - 11:25 PM	45.8	46.5	-	n/a	39.5	-
11:25 PM - 11:30 PM	50.1	46.2	-	50.8	39.9	10.9
11:30 PM - 11:35 PM	44.6	48.5	-	n/a	40.4	-
11:35 PM - 11:40 PM	44.4	46.3	-	n/a	38.8	-
11:40 PM - 11:45 PM	44.8	44.2	-	38.9	37.8	1.1
11:45 PM - 11:50 PM	43.4	44.8	-	n/a	38.5	-
11:50 PM - 11:55 PM	44.2	44.0	-	33.7	38.2	-4.5
11:55 PM - 12:00 AM	44.6	44.1	-	38.0	38.2	-0.2
12:00 AM - 12:05 AM	48.5	46.0	-	47.9	38.2	9.7
12:05 AM - 12:10 AM	43.4	48.5	-	n/a	37.8	-
12:10 AM - 12:15 AM	43.0	43.5	-	n/a	37.4	-
12:15 AM - 12:20 AM	42.4	43.6	-	n/a	36.8	-
12:20 AM - 12:25 AM	45.1	42.7	-	44.4	36.9	7.5
12:25 AM - 12:30 AM	51.0	46.7	-	52.0	37.7	14.3

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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: 24124991
Date Received :Dec 23, 2024
Date Reported :Dec 25, 2024
Report Number : 3201342-1

Sample No. 24124991-4
Parameter เสียงรบกวน
Location บ้านวังตาลหม่อน (N1) (GPS 47P 07304083 1432148)
Measurement Date Dec 18 - 19, 2024
Measurement by Puwanart Pimpan
Sound Level Meter 623393

ระดับเสียง (dB(A))						
เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าระดับการรบกวน
			กลางวัน	กลางคืน		
12:30 AM - 12:35 AM	42.7	50.8	-	n/a	39.0	-
12:35 AM - 12:40 AM	41.3	41.6	-	n/a	37.5	-
12:40 AM - 12:45 AM	43.5	40.6	-	43.4	37.7	5.7
12:45 AM - 12:50 AM	42.9	43.3	-	n/a	37.5	-
12:50 AM - 12:55 AM	42.7	43.6	-	n/a	37.4	-
12:55 AM - 01:00 AM	41.7	42.8	-	n/a	38.0	-
01:00 AM - 01:05 AM	44.7	41.0	-	45.3	36.4	8.9
01:05 AM - 01:10 AM	44.9	44.3	-	39.0	37.9	1.1
01:10 AM - 01:15 AM	41.2	44.8	-	n/a	37.7	-
01:15 AM - 01:20 AM	48.4	41.5	-	50.4	36.8	13.6
01:20 AM - 01:25 AM	41.8	45.8	-	n/a	36.7	-
01:25 AM - 01:30 AM	52.4	41.9	-	55.0	35.4	19.6
01:30 AM - 01:35 AM	50.7	54.9	-	n/a	35.4	-
01:35 AM - 01:40 AM	47.6	43.5	-	48.5	36.2	12.3
01:40 AM - 01:45 AM	42.3	40.3	-	41.0	36.0	5.0
01:45 AM - 01:50 AM	48.3	43.2	-	49.7	35.9	13.8
01:50 AM - 01:55 AM	49.1	48.3	-	44.4	35.4	9.0
01:55 AM - 02:00 AM	52.5	49.6	-	52.4	34.9	17.5
02:00 AM - 02:05 AM	37.7	44.7	-	n/a	35.0	-
02:05 AM - 02:10 AM	39.5	36.2	-	39.8	34.5	5.3
02:10 AM - 02:15 AM	49.7	41.7	-	52.0	34.9	17.1
02:15 AM - 02:20 AM	41.0	43.8	-	n/a	34.8	-
02:20 AM - 02:25 AM	44.4	39.6	-	45.7	34.9	10.8
02:25 AM - 02:30 AM	40.9	43.1	-	n/a	34.8	-
02:30 AM - 02:35 AM	39.6	40.5	-	n/a	35.1	-
02:35 AM - 02:40 AM	37.7	39.2	-	n/a	34.6	-
02:40 AM - 02:45 AM	41.1	36.8	-	42.1	34.7	7.4
02:45 AM - 02:50 AM	38.2	41.7	-	n/a	34.4	-
02:50 AM - 02:55 AM	41.2	35.0	-	43.0	33.8	9.2
02:55 AM - 03:00 AM	36.6	41.4	-	n/a	34.3	-
03:00 AM - 03:05 AM	45.2	37.6	-	47.4	34.1	13.3
03:05 AM - 03:10 AM	41.1	45.6	-	n/a	34.2	-
03:10 AM - 03:15 AM	45.8	39.0	-	47.8	34.7	13.1
03:15 AM - 03:20 AM	38.5	54.8	-	n/a	34.6	-
03:20 AM - 03:25 AM	44.0	42.1	-	42.5	35.1	7.4
03:25 AM - 03:30 AM	42.8	45.3	-	n/a	35.7	-
03:30 AM - 03:35 AM	42.0	41.1	-	37.7	34.6	3.1
03:35 AM - 03:40 AM	51.2	43.1	-	53.5	35.1	18.4
03:40 AM - 03:45 AM	40.2	50.6	-	n/a	34.6	-
03:45 AM - 03:50 AM	41.5	35.5	-	43.2	34.4	8.8

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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: 24124991
Date Received :Dec 23, 2024
Date Reported :Dec 25, 2024
Report Number : 3201342-1

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

Sample No. 24124991-4
Parameter เสียงรบกวน
Location บ้านวังตาลหม่อน (N1) (GPS 47P 07304083 1432148)
Measurement Date Dec 18 - 19, 2024
Measurement by Puwanart Pimpan
Sound Level Meter 623393

ระดับเสียง (dB(A))						
เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าระดับการรบกวน
			กลางวัน	กลางคืน		
03:50 AM - 03:55 AM	41.4	42.9	-	n/a	35.0	-
03:55 AM - 04:00 AM	43.8	43.4	-	36.2	35.5	0.7
04:00 AM - 04:05 AM	51.9	53.8	-	n/a	35.0	-
04:05 AM - 04:10 AM	41.3	39.8	-	39.0	35.2	3.8
04:10 AM - 04:15 AM	38.4	41.4	-	n/a	34.8	-
04:15 AM - 04:20 AM	39.5	37.1	-	38.8	35.2	3.6
04:20 AM - 04:25 AM	41.0	38.7	-	40.1	35.4	4.7
04:25 AM - 04:30 AM	41.8	41.9	-	n/a	35.1	-
04:30 AM - 04:35 AM	44.2	42.6	-	42.1	35.7	6.4
04:35 AM - 04:40 AM	42.3	44.3	-	n/a	36.4	-
04:40 AM - 04:45 AM	45.3	43.5	-	43.6	36.2	7.4
04:45 AM - 04:50 AM	40.7	44.4	-	n/a	36.4	-
04:50 AM - 04:55 AM	43.4	39.5	-	44.1	36.0	8.1
04:55 AM - 05:00 AM	45.7	43.9	-	44.0	37.1	6.9
05:00 AM - 05:05 AM	47.7	47.3	-	40.1	38.4	1.7
05:05 AM - 05:10 AM	44.5	47.0	-	n/a	39.0	-
05:10 AM - 05:15 AM	46.7	44.2	-	46.1	38.6	7.5
05:15 AM - 05:20 AM	44.2	47.0	-	n/a	38.8	-
05:20 AM - 05:25 AM	53.2	47.0	-	55.0	37.7	17.3
05:25 AM - 05:30 AM	49.8	45.8	-	50.6	38.2	12.4
05:30 AM - 05:35 AM	46.1	50.3	-	n/a	37.8	-
05:35 AM - 05:40 AM	47.5	46.9	-	41.6	38.9	2.7
05:40 AM - 05:45 AM	50.2	48.2	-	48.9	38.2	10.7
05:45 AM - 05:50 AM	48.2	51.3	-	n/a	38.8	-
05:50 AM - 05:55 AM	50.3	47.5	-	50.1	39.9	10.2
05:55 AM - 06:00 AM	54.7	49.5	-	56.1	41.2	14.9
06:00 AM - 07:00 AM	53.8	53.0	46.1	-	44.6	1.5
07:00 AM - 08:00 AM	56.8	55.4	51.2	-	49.6	1.6
08:00 AM - 09:00 AM	63.3	56.1	62.4	-	49.0	13.4
09:00 AM - 10:00 AM	55.9	54.0	51.4	-	48.9	2.5
10:00 AM - 11:00 AM	55.7	54.5	49.5	-	49.7	-0.2
11:00 AM - 12:00 PM	55.7	54.3	50.1	-	49.1	1.0
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 18-19 ธันวาคม 2567
2. ระดับเสียงพื้นฐานและระดับเสียงขณะไม่มีการรบกวน (Sample No.24124992-4 วันที่ตรวจวัด 18-19 ธันวาคม 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: 24124991
Date Received :Dec 23, 2024
Date Reported :Dec 25, 2024
Report Number : 3201343-1

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

Sample No. 24124991-5
Parameter เสียงรบกวน
Location บ้านวังตาลหม่อน (N1) (GPS 47P 07304083 1432148)
Measurement Date Dec 19 - 20, 2024
Measurement by Puwanart Pimpan
Sound Level Meter 623393

ระดับเสียง (dB(A))						
เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าระดับการรบกวน
			กลางวัน	กลางคืน		
12:00 PM - 01:00 PM	54.1	53.1	47.2	-	46.7	0.5
01:00 PM - 02:00 PM	53.6	52.0	48.5	-	45.9	2.6
02:00 PM - 03:00 PM	58.7	54.7	56.5	-	44.8	11.7
03:00 PM - 04:00 PM	53.1	53.1	n/a	-	45.6	-
04:00 PM - 05:00 PM	53.1	52.3	45.4	-	44.9	0.5
05:00 PM - 06:00 PM	55.2	54.4	47.5	-	47.5	0.0
06:00 PM - 07:00 PM	54.3	53.9	43.7	-	45.1	-1.4
07:00 PM - 08:00 PM	50.5	51.0	n/a	-	43.0	-
08:00 PM - 09:00 PM	52.9	51.0	48.4	-	44.2	4.2
09:00 PM - 10:00 PM	50.7	50.9	n/a	-	40.1	-
10:00 PM - 10:05 PM	47.9	47.9	-	n/a	36.8	-
10:05 PM - 10:10 PM	46.1	46.8	-	n/a	38.5	-
10:10 PM - 10:15 PM	48.0	49.3	-	n/a	39.3	-
10:15 PM - 10:20 PM	45.2	47.3	-	n/a	39.4	-
10:20 PM - 10:25 PM	46.4	46.7	-	n/a	38.5	-
10:25 PM - 10:30 PM	43.1	44.4	-	n/a	38.1	-
10:30 PM - 10:35 PM	44.9	44.7	-	34.4	37.1	-2.7
10:35 PM - 10:40 PM	44.9	44.0	-	40.6	38.3	2.3
10:40 PM - 10:45 PM	47.5	46.0	-	45.2	37.6	7.6
10:45 PM - 10:50 PM	44.4	50.6	-	n/a	37.8	-
10:50 PM - 10:55 PM	44.5	45.3	-	n/a	36.0	-
10:55 PM - 11:00 PM	42.5	42.1	-	34.9	36.4	-1.5
11:00 PM - 11:05 PM	45.8	46.6	-	n/a	37.6	-
11:05 PM - 11:10 PM	42.2	42.0	-	31.7	35.8	-4.1
11:10 PM - 11:15 PM	43.6	44.0	-	n/a	36.3	-
11:15 PM - 11:20 PM	45.9	46.9	-	n/a	37.8	-
11:20 PM - 11:25 PM	41.1	42.3	-	n/a	37.0	-
11:25 PM - 11:30 PM	46.1	45.0	-	42.6	36.3	6.3
11:30 PM - 11:35 PM	46.6	45.0	-	44.5	37.4	7.1
11:35 PM - 11:40 PM	44.5	47.6	-	n/a	38.6	-
11:40 PM - 11:45 PM	53.9	43.4	-	56.5	36.6	19.9
11:45 PM - 11:50 PM	48.5	54.4	-	n/a	37.7	-
11:50 PM - 11:55 PM	43.7	40.1	-	44.2	36.2	8.0
11:55 PM - 12:00 AM	45.7	46.6	-	n/a	37.8	-
12:00 AM - 12:05 AM	42.5	44.9	-	n/a	36.4	-
12:05 AM - 12:10 AM	51.6	44.0	-	53.8	36.3	17.5
12:10 AM - 12:15 AM	44.2	53.5	-	n/a	36.3	-
12:15 AM - 12:20 AM	62.6	48.8	-	65.4	36.8	28.6
12:20 AM - 12:25 AM	42.3	61.2	-	n/a	36.3	-
12:25 AM - 12:30 AM	45.8	43.0	-	45.6	36.5	9.1

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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: 24124991
Date Received :Dec 23, 2024
Date Reported :Dec 25, 2024
Report Number : 3201343-1

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

Sample No. 24124991-5
Parameter เสียงรบกวน
Location บ้านวังตาลหม่อน (N1) (GPS 47P 07304083 1432148)
Measurement Date Dec 19 - 20, 2024
Measurement by Puwanart Pimpan
Sound Level Meter 623393

ระดับเสียง (dB(A))						
เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าระดับการรบกวน
			กลางวัน	กลางคืน		
12:30 AM - 12:35 AM	47.0	47.3	-	n/a	35.9	-
12:35 AM - 12:40 AM	43.5	45.0	-	n/a	37.4	-
12:40 AM - 12:45 AM	43.8	45.2	-	n/a	36.5	-
12:45 AM - 12:50 AM	45.3	47.6	-	n/a	35.8	-
12:50 AM - 12:55 AM	37.9	39.4	-	n/a	36.0	-
12:55 AM - 01:00 AM	44.3	40.7	-	44.8	35.4	9.4
01:00 AM - 01:05 AM	39.3	44.2	-	n/a	36.8	-
01:05 AM - 01:10 AM	52.4	43.7	-	54.8	36.1	18.7
01:10 AM - 01:15 AM	62.0	52.2	-	64.5	36.2	28.3
01:15 AM - 01:20 AM	39.3	58.0	-	n/a	35.5	-
01:20 AM - 01:25 AM	42.5	39.5	-	42.5	35.3	7.2
01:25 AM - 01:30 AM	51.4	41.8	-	53.9	35.2	18.7
01:30 AM - 01:35 AM	40.1	44.0	-	n/a	35.8	-
01:35 AM - 01:40 AM	43.9	41.2	-	43.6	35.6	8.0
01:40 AM - 01:45 AM	46.0	45.4	-	40.1	36.4	3.7
01:45 AM - 01:50 AM	40.8	44.0	-	n/a	35.2	-
01:50 AM - 01:55 AM	42.1	41.0	-	38.6	34.9	3.7
01:55 AM - 02:00 AM	40.4	43.9	-	n/a	35.2	-
02:00 AM - 02:05 AM	45.4	45.0	-	37.8	34.8	3.0
02:05 AM - 02:10 AM	44.0	39.5	-	45.1	36.4	8.7
02:10 AM - 02:15 AM	38.9	43.7	-	n/a	35.5	-
02:15 AM - 02:20 AM	40.0	37.6	-	39.3	35.6	3.7
02:20 AM - 02:25 AM	39.4	39.2	-	28.9	36.2	-7.3
02:25 AM - 02:30 AM	46.4	38.9	-	48.5	35.9	12.6
02:30 AM - 02:35 AM	44.9	47.8	-	n/a	37.4	-
02:35 AM - 02:40 AM	40.8	41.2	-	n/a	37.0	-
02:40 AM - 02:45 AM	42.7	38.8	-	43.4	35.1	8.3
02:45 AM - 02:50 AM	46.7	45.2	-	44.4	35.2	9.2
02:50 AM - 02:55 AM	42.8	45.8	-	n/a	34.8	-
02:55 AM - 03:00 AM	37.8	39.8	-	n/a	34.7	-
03:00 AM - 03:05 AM	36.8	37.4	-	n/a	33.9	-
03:05 AM - 03:10 AM	52.9	52.2	-	47.6	34.3	13.3
03:10 AM - 03:15 AM	46.2	40.5	-	47.8	34.8	13.0
03:15 AM - 03:20 AM	42.2	44.0	-	n/a	36.3	-
03:20 AM - 03:25 AM	39.7	40.1	-	n/a	34.4	-
03:25 AM - 03:30 AM	42.5	40.9	-	40.4	34.5	5.9
03:30 AM - 03:35 AM	40.3	42.7	-	n/a	35.5	-
03:35 AM - 03:40 AM	40.6	39.0	-	38.5	34.7	3.8
03:40 AM - 03:45 AM	39.7	44.1	-	n/a	34.6	-
03:45 AM - 03:50 AM	39.3	38.1	-	36.1	34.7	1.4

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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: 24124991
Date Received :Dec 23, 2024
Date Reported :Dec 25, 2024
Report Number : 3201343-1

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

Sample No. 24124991-5
Parameter เสียงรบกวน
Location บ้านวังตาลหม่อน (N1) (GPS 47P 07304083 1432148)
Measurement Date Dec 19 - 20, 2024
Measurement by Puwanart Pimpan
Sound Level Meter 623393

ระดับเสียง (dB(A))						
เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าระดับการรบกวน
			กลางวัน	กลางคืน		
03:50 AM - 03:55 AM	42.9	41.7	-	39.7	35.4	4.3
03:55 AM - 04:00 AM	39.4	42.2	-	n/a	35.0	-
04:00 AM - 04:05 AM	44.9	36.6	-	47.2	34.8	12.4
04:05 AM - 04:10 AM	39.5	42.5	-	n/a	34.4	-
04:10 AM - 04:15 AM	42.2	42.3	-	n/a	34.8	-
04:15 AM - 04:20 AM	43.4	43.4	-	n/a	35.7	-
04:20 AM - 04:25 AM	42.0	40.2	-	40.3	35.6	4.7
04:25 AM - 04:30 AM	43.6	44.7	-	n/a	36.5	-
04:30 AM - 04:35 AM	44.9	44.7	-	34.4	36.7	-2.3
04:35 AM - 04:40 AM	39.9	43.6	-	n/a	36.4	-
04:40 AM - 04:45 AM	39.6	40.2	-	n/a	34.8	-
04:45 AM - 04:50 AM	44.8	44.6	-	34.3	35.9	-1.6
04:50 AM - 04:55 AM	38.1	41.5	-	n/a	34.9	-
04:55 AM - 05:00 AM	43.0	43.6	-	n/a	35.6	-
05:00 AM - 05:05 AM	45.2	43.8	-	42.6	36.6	6.0
05:05 AM - 05:10 AM	47.4	47.3	-	34.0	39.0	-5.0
05:10 AM - 05:15 AM	49.3	50.2	-	n/a	38.6	-
05:15 AM - 05:20 AM	48.8	47.4	-	46.2	39.1	7.1
05:20 AM - 05:25 AM	49.3	49.3	-	n/a	38.0	-
05:25 AM - 05:30 AM	45.2	45.7	-	n/a	37.7	-
05:30 AM - 05:35 AM	45.6	46.9	-	n/a	39.0	-
05:35 AM - 05:40 AM	48.2	47.0	-	45.0	38.6	6.4
05:40 AM - 05:45 AM	49.5	49.8	-	n/a	39.5	-
05:45 AM - 05:50 AM	49.6	49.2	-	42.0	39.3	2.7
05:50 AM - 05:55 AM	45.7	48.2	-	n/a	39.5	-
05:55 AM - 06:00 AM	56.9	58.9	-	n/a	40.0	-
06:00 AM - 07:00 AM	55.7	56.2	n/a	-	45.4	-
07:00 AM - 08:00 AM	57.0	56.4	48.1	-	50.6	-2.5
08:00 AM - 09:00 AM	58.6	55.5	55.7	-	48.2	7.5
09:00 AM - 10:00 AM	70.2	53.5	70.1	-	47.7	22.4
10:00 AM - 11:00 AM	53.1	52.4	44.8	-	46.5	-1.7
11:00 AM - 12:00 PM	54.8	56.6	n/a	-	47.0	-
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 19-20 ธันวาคม 2567
2. ระดับเสียงพื้นฐานและระดับเสียงขณะไม่มีการรบกวน (Sample No.24124992-5 วันที่ตรวจวัด 19-20 ธันวาคม 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: 24124991
Date Received :Dec 23, 2024
Date Reported :Dec 25, 2024
Report Number : 3201344-1

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

Sample No. 24124991-6
Parameter เสียงรบกวน
Location บ้านวังตาลหม่อน (N1) (GPS 47P 07304083 1432148)
Measurement Date Dec 20 - 21, 2024
Measurement by Puwanart Pimpan
Sound Level Meter 623393

ระดับเสียง (dB(A))						
เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าระดับการรบกวน
			กลางวัน	กลางคืน		
12:00 PM - 01:00 PM	52.6	53.1	n/a	-	45.3	-
01:00 PM - 02:00 PM	52.3	51.7	43.4	-	43.3	0.1
02:00 PM - 03:00 PM	52.7	51.9	45.0	-	44.3	0.7
03:00 PM - 04:00 PM	52.1	51.8	40.3	-	44.2	-3.9
04:00 PM - 05:00 PM	53.7	52.3	48.1	-	44.9	3.2
05:00 PM - 06:00 PM	55.1	53.2	50.6	-	46.3	4.3
06:00 PM - 07:00 PM	54.6	53.6	47.7	-	44.9	2.8
07:00 PM - 08:00 PM	53.0	51.2	48.3	-	44.0	4.3
08:00 PM - 09:00 PM	51.5	51.8	n/a	-	44.7	-
09:00 PM - 10:00 PM	50.4	50.6	n/a	-	42.1	-
10:00 PM - 10:05 PM	62.6	50.4	-	65.3	43.2	22.1
10:05 PM - 10:10 PM	47.6	62.9	-	n/a	42.9	-
10:10 PM - 10:15 PM	46.5	46.8	-	n/a	39.3	-
10:15 PM - 10:20 PM	48.7	47.6	-	45.2	39.8	5.4
10:20 PM - 10:25 PM	47.6	49.7	-	n/a	40.2	-
10:25 PM - 10:30 PM	54.5	55.0	-	n/a	39.0	-
10:30 PM - 10:35 PM	47.8	47.6	-	37.3	38.4	-1.1
10:35 PM - 10:40 PM	46.7	50.3	-	n/a	37.6	-
10:40 PM - 10:45 PM	47.4	47.2	-	36.9	38.0	-1.1
10:45 PM - 10:50 PM	49.9	50.0	-	n/a	38.9	-
10:50 PM - 10:55 PM	47.2	49.5	-	n/a	39.4	-
10:55 PM - 11:00 PM	48.5	48.9	-	n/a	37.9	-
11:00 PM - 11:05 PM	45.2	45.9	-	n/a	36.3	-
11:05 PM - 11:10 PM	41.4	45.9	-	n/a	36.3	-
11:10 PM - 11:15 PM	45.7	43.8	-	44.2	36.1	8.1
11:15 PM - 11:20 PM	48.8	47.4	-	46.2	36.9	9.3
11:20 PM - 11:25 PM	48.1	49.3	-	n/a	38.1	-
11:25 PM - 11:30 PM	48.0	49.8	-	n/a	41.3	-
11:30 PM - 11:35 PM	47.2	47.3	-	n/a	36.3	-
11:35 PM - 11:40 PM	48.9	48.2	-	43.6	38.2	5.4
11:40 PM - 11:45 PM	46.3	48.6	-	n/a	35.6	-
11:45 PM - 11:50 PM	45.3	47.1	-	n/a	36.7	-
11:50 PM - 11:55 PM	48.9	48.3	-	43.0	37.4	5.6
11:55 PM - 12:00 AM	48.3	48.2	-	34.9	37.3	-2.4
12:00 AM - 12:05 AM	50.8	58.0	-	n/a	37.7	-
12:05 AM - 12:10 AM	46.8	45.7	-	43.3	36.7	6.6
12:10 AM - 12:15 AM	46.8	47.9	-	n/a	37.6	-
12:15 AM - 12:20 AM	47.3	47.7	-	n/a	39.4	-
12:20 AM - 12:25 AM	47.8	48.5	-	n/a	38.3	-
12:25 AM - 12:30 AM	45.6	47.9	-	n/a	38.5	-

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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: 24124991
Date Received :Dec 23, 2024
Date Reported :Dec 25, 2024
Report Number : 3201344-1

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

Sample No. 24124991-6
Parameter เสียงรบกวน
Location บ้านวังตาลหม่อน (N1) (GPS 47P 07304083 1432148)
Measurement Date Dec 20 - 21, 2024
Measurement by Puwanart Pimpan
Sound Level Meter 623393

ระดับเสียง (dB(A))						
เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าระดับการรบกวน
			กลางวัน	กลางคืน		
12:30 AM - 12:35 AM	46.8	47.5	-	n/a	39.0	-
12:35 AM - 12:40 AM	47.8	44.1	-	48.4	36.6	11.8
12:40 AM - 12:45 AM	45.3	48.5	-	n/a	37.0	-
12:45 AM - 12:50 AM	43.1	44.5	-	n/a	36.1	-
12:50 AM - 12:55 AM	46.2	45.1	-	42.7	36.7	6.0
12:55 AM - 01:00 AM	51.6	51.9	-	n/a	36.4	-
01:00 AM - 01:05 AM	42.9	48.7	-	n/a	35.8	-
01:05 AM - 01:10 AM	42.5	44.5	-	n/a	36.4	-
01:10 AM - 01:15 AM	46.9	42.2	-	48.1	34.7	13.4
01:15 AM - 01:20 AM	47.4	47.4	-	n/a	36.6	-
01:20 AM - 01:25 AM	44.4	48.1	-	n/a	36.0	-
01:25 AM - 01:30 AM	46.5	46.5	-	n/a	36.8	-
01:30 AM - 01:35 AM	43.0	46.2	-	n/a	38.4	-
01:35 AM - 01:40 AM	41.5	41.3	-	31.0	36.8	-5.8
01:40 AM - 01:45 AM	43.5	41.9	-	41.4	36.2	5.2
01:45 AM - 01:50 AM	48.0	46.8	-	44.8	36.1	8.7
01:50 AM - 01:55 AM	39.7	43.7	-	n/a	35.9	-
01:55 AM - 02:00 AM	44.6	43.1	-	42.3	36.1	6.2
02:00 AM - 02:05 AM	44.6	43.5	-	41.1	37.2	3.9
02:05 AM - 02:10 AM	49.0	47.8	-	45.8	36.3	9.5
02:10 AM - 02:15 AM	44.1	50.6	-	n/a	36.2	-
02:15 AM - 02:20 AM	49.6	45.2	-	50.6	36.5	14.1
02:20 AM - 02:25 AM	46.6	50.9	-	n/a	36.7	-
02:25 AM - 02:30 AM	48.6	48.7	-	n/a	36.2	-
02:30 AM - 02:35 AM	43.7	44.7	-	n/a	36.2	-
02:35 AM - 02:40 AM	40.9	42.6	-	n/a	36.9	-
02:40 AM - 02:45 AM	44.9	41.9	-	44.9	36.2	8.7
02:45 AM - 02:50 AM	43.2	43.7	-	n/a	37.3	-
02:50 AM - 02:55 AM	45.9	44.9	-	42.0	37.9	4.1
02:55 AM - 03:00 AM	43.7	44.2	-	n/a	37.9	-
03:00 AM - 03:05 AM	44.0	45.4	-	n/a	38.4	-
03:05 AM - 03:10 AM	46.7	45.9	-	42.0	39.7	2.3
03:10 AM - 03:15 AM	47.2	48.7	-	n/a	40.1	-
03:15 AM - 03:20 AM	43.9	44.3	-	n/a	38.2	-
03:20 AM - 03:25 AM	47.1	45.1	-	45.8	38.0	7.8
03:25 AM - 03:30 AM	46.8	43.5	-	47.1	38.4	8.7
03:30 AM - 03:35 AM	39.4	47.1	-	n/a	37.4	-
03:35 AM - 03:40 AM	43.9	46.5	-	n/a	37.2	-
03:40 AM - 03:45 AM	44.1	43.6	-	37.5	36.4	1.1
03:45 AM - 03:50 AM	40.2	42.4	-	n/a	36.0	-

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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: 24124991
Date Received :Dec 23, 2024
Date Reported :Dec 25, 2024
Report Number : 3201344-1

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

Sample No. 24124991-6
Parameter เสียงรบกวน
Location บ้านวังตาลหม่อน (N1) (GPS 47P 07304083 1432148)
Measurement Date Dec 20 - 21, 2024
Measurement by Puwanart Pimpan
Sound Level Meter 623393

ระดับเสียง (dB(A))						
เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าระดับการรบกวน
			กลางวัน	กลางคืน		
03:50 AM - 03:55 AM	41.7	43.1	-	n/a	36.5	-
03:55 AM - 04:00 AM	39.0	39.4	-	n/a	35.8	-
04:00 AM - 04:05 AM	44.1	44.0	-	30.7	37.0	-6.3
04:05 AM - 04:10 AM	45.3	42.0	-	45.6	36.7	8.9
04:10 AM - 04:15 AM	45.3	46.6	-	n/a	37.9	-
04:15 AM - 04:20 AM	43.7	44.8	-	n/a	38.1	-
04:20 AM - 04:25 AM	43.9	39.9	-	44.7	36.9	7.8
04:25 AM - 04:30 AM	44.4	44.0	-	36.8	38.0	-1.2
04:30 AM - 04:35 AM	41.0	45.4	-	n/a	37.4	-
04:35 AM - 04:40 AM	40.7	42.4	-	n/a	37.0	-
04:40 AM - 04:45 AM	43.7	38.7	-	45.0	36.4	8.6
04:45 AM - 04:50 AM	42.9	44.7	-	n/a	36.8	-
04:50 AM - 04:55 AM	42.7	44.2	-	n/a	37.3	-
04:55 AM - 05:00 AM	43.2	41.7	-	40.9	37.5	3.4
05:00 AM - 05:05 AM	41.7	43.9	-	n/a	37.6	-
05:05 AM - 05:10 AM	44.0	43.4	-	38.1	37.0	1.1
05:10 AM - 05:15 AM	44.8	43.8	-	40.9	38.0	2.9
05:15 AM - 05:20 AM	43.9	45.0	-	n/a	38.5	-
05:20 AM - 05:25 AM	48.1	54.1	-	n/a	38.6	-
05:25 AM - 05:30 AM	47.6	61.3	-	n/a	39.3	-
05:30 AM - 05:35 AM	55.1	48.9	-	56.9	39.7	17.2
05:35 AM - 05:40 AM	56.7	55.9	-	52.0	42.5	9.5
05:40 AM - 05:45 AM	43.6	46.4	-	n/a	38.5	-
05:45 AM - 05:50 AM	45.8	44.6	-	42.6	38.6	4.0
05:50 AM - 05:55 AM	47.7	47.2	-	41.1	39.0	2.1
05:55 AM - 06:00 AM	51.9	48.2	-	52.5	39.6	12.9
06:00 AM - 07:00 AM	55.5	55.6	n/a	-	44.1	-
07:00 AM - 08:00 AM	56.0	55.5	46.4	-	49.1	-2.7
08:00 AM - 09:00 AM	57.2	54.3	54.1	-	46.2	7.9
09:00 AM - 10:00 AM	54.8	56.9	n/a	-	44.3	-
10:00 AM - 11:00 AM	53.1	52.7	42.5	-	44.0	-1.5
11:00 AM - 12:00 PM	52.8	53.3	n/a	-	44.8	-
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 20-21 ธันวาคม 2567
2. ระดับเสียงพื้นฐานและระดับเสียงขณะไม่มีการรบกวน (Sample No.24124992-6 วันที่ตรวจวัด 20-21 ธันวาคม 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: 24124991
Date Received :Dec 23, 2024
Date Reported :Dec 25, 2024
Report Number : 3201345-1

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

Sample No. 24124991-7
Parameter เสียงรบกวน
Location บ้านวังตาลหม่อน (N1) (GPS 47P 07304083 1432148)
Measurement Date Dec 21 - 22, 2024
Measurement by Puwanart Pimpan
Sound Level Meter 623393

ระดับเสียง (dB(A))						
เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าระดับการรบกวน
			กลางวัน	กลางคืน		
12:00 PM - 01:00 PM	52.3	52.4	n/a	-	44.3	-
01:00 PM - 02:00 PM	54.3	55.2	n/a	-	44.8	-
02:00 PM - 03:00 PM	53.7	51.8	49.2	-	43.0	6.2
03:00 PM - 04:00 PM	53.8	52.7	47.3	-	43.0	4.3
04:00 PM - 05:00 PM	54.2	53.2	47.3	-	43.9	3.4
05:00 PM - 06:00 PM	54.6	54.1	45.0	-	46.5	-1.5
06:00 PM - 07:00 PM	53.4	52.5	46.1	-	43.7	2.4
07:00 PM - 08:00 PM	50.5	50.9	n/a	-	42.6	-
08:00 PM - 09:00 PM	52.0	52.1	n/a	-	42.7	-
09:00 PM - 10:00 PM	49.2	50.7	n/a	-	41.7	-
10:00 PM - 10:05 PM	51.2	50.0	-	48.0	41.7	6.3
10:05 PM - 10:10 PM	48.8	50.1	-	n/a	42.1	-
10:10 PM - 10:15 PM	49.6	48.0	-	47.5	41.1	6.4
10:15 PM - 10:20 PM	50.7	51.9	-	n/a	41.0	-
10:20 PM - 10:25 PM	50.5	52.4	-	n/a	44.0	-
10:25 PM - 10:30 PM	47.5	48.3	-	n/a	40.8	-
10:30 PM - 10:35 PM	47.8	46.7	-	44.3	39.4	4.9
10:35 PM - 10:40 PM	47.1	48.3	-	n/a	38.8	-
10:40 PM - 10:45 PM	45.9	48.2	-	n/a	39.6	-
10:45 PM - 10:50 PM	48.5	46.3	-	47.5	39.3	8.2
10:50 PM - 10:55 PM	49.8	49.3	-	43.2	41.2	2.0
10:55 PM - 11:00 PM	48.6	50.7	-	n/a	41.9	-
11:00 PM - 11:05 PM	48.7	47.7	-	44.8	40.0	4.8
11:05 PM - 11:10 PM	47.8	49.7	-	n/a	39.3	-
11:10 PM - 11:15 PM	45.7	47.4	-	n/a	39.8	-
11:15 PM - 11:20 PM	48.6	46.0	-	48.1	39.1	9.0
11:20 PM - 11:25 PM	46.3	47.8	-	n/a	39.1	-
11:25 PM - 11:30 PM	50.5	48.5	-	49.2	39.6	9.6
11:30 PM - 11:35 PM	48.2	51.1	-	n/a	41.5	-
11:35 PM - 11:40 PM	48.2	48.8	-	n/a	38.2	-
11:40 PM - 11:45 PM	46.8	47.5	-	n/a	39.2	-
11:45 PM - 11:50 PM	46.4	47.5	-	n/a	39.4	-
11:50 PM - 11:55 PM	55.0	54.2	-	50.3	38.8	11.5
11:55 PM - 12:00 AM	48.7	51.2	-	n/a	40.5	-
12:00 AM - 12:05 AM	47.6	48.2	-	n/a	38.6	-
12:05 AM - 12:10 AM	60.2	47.2	-	63.0	39.2	23.8
12:10 AM - 12:15 AM	61.1	63.0	-	n/a	41.9	-
12:15 AM - 12:20 AM	56.9	57.9	-	n/a	39.0	-
12:20 AM - 12:25 AM	47.2	50.2	-	n/a	41.4	-
12:25 AM - 12:30 AM	45.8	46.2	-	n/a	38.0	-

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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: 24124991
Date Received :Dec 23, 2024
Date Reported :Dec 25, 2024
Report Number : 3201345-1

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

Sample No. 24124991-7
Parameter เสียงรบกวน
Location บ้านวังตาลหม่อน (N1) (GPS 47P 07304083 1432148)
Measurement Date Dec 21 - 22, 2024
Measurement by Puwanart Pimpan
Sound Level Meter 623393

ระดับเสียง (dB(A))						
เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าระดับการรบกวน
			กลางวัน	กลางคืน		
12:30 AM - 12:35 AM	50.3	52.0	-	n/a	37.6	-
12:35 AM - 12:40 AM	51.9	51.2	-	46.6	39.1	7.5
12:40 AM - 12:45 AM	48.4	51.4	-	n/a	40.7	-
12:45 AM - 12:50 AM	50.4	49.6	-	45.7	37.8	7.9
12:50 AM - 12:55 AM	52.8	54.1	-	n/a	41.0	-
12:55 AM - 01:00 AM	47.6	45.8	-	45.9	37.9	8.0
01:00 AM - 01:05 AM	47.9	48.4	-	n/a	37.8	-
01:05 AM - 01:10 AM	48.9	47.4	-	46.6	38.7	7.9
01:10 AM - 01:15 AM	47.2	47.0	-	36.7	37.9	-1.2
01:15 AM - 01:20 AM	49.4	50.9	-	n/a	37.2	-
01:20 AM - 01:25 AM	49.6	48.5	-	46.1	37.8	8.3
01:25 AM - 01:30 AM	39.7	41.5	-	n/a	36.5	-
01:30 AM - 01:35 AM	43.7	41.5	-	42.7	36.0	6.7
01:35 AM - 01:40 AM	42.8	42.0	-	38.1	35.9	2.2
01:40 AM - 01:45 AM	42.4	44.3	-	n/a	36.4	-
01:45 AM - 01:50 AM	44.5	41.7	-	44.3	36.2	8.1
01:50 AM - 01:55 AM	45.3	45.4	-	n/a	36.8	-
01:55 AM - 02:00 AM	40.4	45.4	-	n/a	36.1	-
02:00 AM - 02:05 AM	42.2	40.5	-	40.3	35.3	5.0
02:05 AM - 02:10 AM	44.8	46.1	-	n/a	35.9	-
02:10 AM - 02:15 AM	44.8	43.9	-	40.5	35.5	5.0
02:15 AM - 02:20 AM	49.0	47.4	-	46.9	35.6	11.3
02:20 AM - 02:25 AM	41.2	43.9	-	n/a	36.2	-
02:25 AM - 02:30 AM	46.4	46.7	-	n/a	36.8	-
02:30 AM - 02:35 AM	43.3	44.5	-	n/a	35.1	-
02:35 AM - 02:40 AM	46.4	42.2	-	47.3	35.7	11.6
02:40 AM - 02:45 AM	39.3	44.2	-	n/a	35.7	-
02:45 AM - 02:50 AM	44.2	40.0	-	45.1	35.3	9.8
02:50 AM - 02:55 AM	40.9	44.1	-	n/a	35.6	-
02:55 AM - 03:00 AM	41.6	43.2	-	n/a	35.3	-
03:00 AM - 03:05 AM	44.3	40.3	-	45.1	35.0	10.1
03:05 AM - 03:10 AM	43.1	43.8	-	n/a	36.0	-
03:10 AM - 03:15 AM	39.2	42.5	-	n/a	34.8	-
03:15 AM - 03:20 AM	38.1	40.2	-	n/a	35.2	-
03:20 AM - 03:25 AM	40.1	37.6	-	39.5	35.0	4.5
03:25 AM - 03:30 AM	41.5	42.2	-	n/a	35.2	-
03:30 AM - 03:35 AM	39.1	41.1	-	n/a	35.4	-
03:35 AM - 03:40 AM	39.0	39.4	-	n/a	35.9	-
03:40 AM - 03:45 AM	41.1	39.7	-	38.5	35.6	2.9
03:45 AM - 03:50 AM	41.3	38.8	-	40.7	37.1	3.6

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

Approved by

Wilawan Borirak
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: 24124991
Date Received :Dec 23, 2024
Date Reported :Dec 25, 2024
Report Number : 3201345-1

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

Sample No. 24124991-7
Parameter เสียงรบกวน
Location บ้านวังตาลหม่อน (N1) (GPS 47P 07304083 1432148)
Measurement Date Dec 21 - 22, 2024
Measurement by Puwanart Pimpan
Sound Level Meter 623393

ระดับเสียง (dB(A))						
เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าระดับการรบกวน
			กลางวัน	กลางคืน		
03:50 AM - 03:55 AM	44.1	44.1	-	n/a	37.1	-
03:55 AM - 04:00 AM	48.2	40.9	-	50.3	36.3	14.0
04:00 AM - 04:05 AM	39.8	48.6	-	n/a	35.3	-
04:05 AM - 04:10 AM	40.8	40.6	-	30.3	36.6	-6.3
04:10 AM - 04:15 AM	43.8	38.2	-	45.4	35.0	10.4
04:15 AM - 04:20 AM	47.5	49.4	-	n/a	35.3	-
04:20 AM - 04:25 AM	41.9	41.7	-	31.4	34.4	-3.0
04:25 AM - 04:30 AM	43.8	40.7	-	43.9	34.3	9.6
04:30 AM - 04:35 AM	42.2	44.2	-	n/a	35.4	-
04:35 AM - 04:40 AM	51.2	47.2	-	52.0	35.1	16.9
04:40 AM - 04:45 AM	37.6	45.7	-	n/a	35.0	-
04:45 AM - 04:50 AM	44.9	38.5	-	46.8	34.6	12.2
04:50 AM - 04:55 AM	41.4	45.6	-	n/a	35.4	-
04:55 AM - 05:00 AM	44.9	44.7	-	34.4	36.1	-1.7
05:00 AM - 05:05 AM	44.6	42.9	-	42.7	35.6	7.1
05:05 AM - 05:10 AM	55.7	45.1	-	58.3	37.1	21.2
05:10 AM - 05:15 AM	49.0	59.6	-	n/a	40.4	-
05:15 AM - 05:20 AM	45.8	53.1	-	n/a	39.1	-
05:20 AM - 05:25 AM	45.4	46.3	-	n/a	39.9	-
05:25 AM - 05:30 AM	46.0	45.0	-	42.1	38.6	3.5
05:30 AM - 05:35 AM	44.1	45.3	-	n/a	37.7	-
05:35 AM - 05:40 AM	46.8	47.3	-	n/a	37.7	-
05:40 AM - 05:45 AM	44.4	45.3	-	n/a	39.6	-
05:45 AM - 05:50 AM	47.9	45.5	-	47.2	38.9	8.3
05:50 AM - 05:55 AM	49.4	49.7	-	n/a	39.4	-
05:55 AM - 06:00 AM	46.9	49.0	-	n/a	40.3	-
06:00 AM - 07:00 AM	58.7	57.7	51.8	-	43.7	8.1
07:00 AM - 08:00 AM	59.2	55.5	56.8	-	46.3	10.5
08:00 AM - 09:00 AM	56.8	54.4	53.1	-	47.4	5.7
09:00 AM - 10:00 AM	54.5	53.9	45.6	-	47.2	-1.6
10:00 AM - 11:00 AM	54.7	52.7	50.4	-	46.8	3.6
11:00 AM - 12:00 PM	53.2	55.9	n/a	-	47.1	-
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 21-22 ธันวาคม 2567
2. ระดับเสียงพื้นฐานและระดับเสียงขณะไม่มีการรบกวน (Sample No.24124992-7 วันที่ตรวจวัด 21-22 ธันวาคม 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: 24124991
Date Received :Dec 23, 2024
Date Reported :Dec 25, 2024
Report Number : 3201346-1

Sample No. 24124991-8
Parameter เสียงรบกวน
Location บ้านพักอาศัย หมู่ 2 ซ.มาบยางพร 15 (N2) (GPS 47P 0733648, 1434012)
Measurement Date Dec 15 - 16, 2024
Measurement by Puwanart Pimpan
Sound Level Meter 623392

ระดับเสียง (dB(A))						
เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าระดับการรบกวน
			กลางวัน	กลางคืน		
11:00 AM - 12:00 PM	60.4	56.2	58.3	-	49.8	8.5
12:00 PM - 01:00 PM	55.1	54.3	47.4	-	48.2	-0.8
01:00 PM - 02:00 PM	57.5	54.0	54.9	-	50.5	4.4
02:00 PM - 03:00 PM	59.6	54.6	57.9	-	49.9	8.0
03:00 PM - 04:00 PM	57.8	52.7	56.2	-	48.1	8.1
04:00 PM - 05:00 PM	59.8	55.8	57.6	-	49.7	7.9
05:00 PM - 06:00 PM	54.3	55.4	n/a	-	49.6	-
06:00 PM - 07:00 PM	55.4	55.0	44.8	-	52.3	-7.5
07:00 PM - 08:00 PM	54.9	54.4	45.3	-	51.7	-6.4
08:00 PM - 09:00 PM	55.3	55.2	38.9	-	52.2	-13.3
09:00 PM - 10:00 PM	49.6	53.4	n/a	-	51.0	-
10:00 PM - 10:05 PM	46.5	52.3	-	n/a	50.8	-
10:05 PM - 10:10 PM	52.6	52.4	-	42.1	50.9	-8.8
10:10 PM - 10:15 PM	47.5	54.5	-	n/a	51.2	-
10:15 PM - 10:20 PM	46.1	52.8	-	n/a	50.2	-
10:20 PM - 10:25 PM	57.6	52.8	-	58.9	51.1	7.8
10:25 PM - 10:30 PM	49.6	52.9	-	n/a	50.9	-
10:30 PM - 10:35 PM	49.9	51.9	-	n/a	50.3	-
10:35 PM - 10:40 PM	48.9	53.2	-	n/a	50.1	-
10:40 PM - 10:45 PM	45.1	52.5	-	n/a	50.4	-
10:45 PM - 10:50 PM	50.5	52.5	-	n/a	50.7	-
10:50 PM - 10:55 PM	48.2	51.9	-	n/a	49.8	-
10:55 PM - 11:00 PM	47.1	51.6	-	n/a	49.7	-
11:00 PM - 11:05 PM	46.7	52.4	-	n/a	49.9	-
11:05 PM - 11:10 PM	48.3	53.7	-	n/a	50.4	-
11:10 PM - 11:15 PM	52.9	53.8	-	n/a	50.6	-
11:15 PM - 11:20 PM	49.8	54.2	-	n/a	51.5	-
11:20 PM - 11:25 PM	52.3	54.3	-	n/a	51.1	-
11:25 PM - 11:30 PM	44.6	54.2	-	n/a	51.1	-
11:30 PM - 11:35 PM	48.1	53.5	-	n/a	50.5	-
11:35 PM - 11:40 PM	41.7	53.9	-	n/a	50.9	-
11:40 PM - 11:45 PM	45.8	53.7	-	n/a	51.1	-
11:45 PM - 11:50 PM	43.1	54.2	-	n/a	50.8	-
11:50 PM - 11:55 PM	49.2	53.0	-	n/a	49.9	-
11:55 PM - 12:00 AM	48.2	53.4	-	n/a	50.2	-
12:00 AM - 12:05 AM	44.0	52.8	-	n/a	49.8	-
12:05 AM - 12:10 AM	43.3	54.0	-	n/a	50.1	-
12:10 AM - 12:15 AM	43.3	53.5	-	n/a	50.4	-
12:15 AM - 12:20 AM	44.1	52.5	-	n/a	49.1	-
12:20 AM - 12:25 AM	41.9	53.8	-	n/a	50.0	-

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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

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

Lot ID: 24124991
Date Received :Dec 23, 2024
Date Reported :Dec 25, 2024
Report Number : 3201346-1

Sample No. 24124991-8
Parameter เสียงรบกวน
Location บ้านพักอาศัย หมู่ 2 ซ.มาบยางพร 15 (N2) (GPS 47P 0733648, 1434012)
Measurement Date Dec 15 - 16, 2024
Measurement by Puwanart Pimpan
Sound Level Meter 623392

ระดับเสียง (dB(A))						
เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าระดับการรบกวน
			กลางวัน	กลางคืน		
12:25 AM - 12:30 AM	45.5	53.2	-	n/a	48.9	-
12:30 AM - 12:35 AM	44.0	52.7	-	n/a	49.6	-
12:35 AM - 12:40 AM	44.8	52.9	-	n/a	49.8	-
12:40 AM - 12:45 AM	42.5	53.6	-	n/a	50.5	-
12:45 AM - 12:50 AM	42.8	53.4	-	n/a	50.0	-
12:50 AM - 12:55 AM	43.6	53.3	-	n/a	50.5	-
12:55 AM - 01:00 AM	43.7	53.3	-	n/a	50.5	-
01:00 AM - 01:05 AM	42.6	53.3	-	n/a	50.3	-
01:05 AM - 01:10 AM	44.0	53.0	-	n/a	49.7	-
01:10 AM - 01:15 AM	51.0	52.4	-	n/a	48.8	-
01:15 AM - 01:20 AM	43.8	53.5	-	n/a	50.1	-
01:20 AM - 01:25 AM	42.0	53.8	-	n/a	50.2	-
01:25 AM - 01:30 AM	45.2	55.3	-	n/a	50.6	-
01:30 AM - 01:35 AM	58.3	57.1	-	55.1	52.2	2.9
01:35 AM - 01:40 AM	51.6	56.7	-	n/a	51.3	-
01:40 AM - 01:45 AM	42.5	56.9	-	n/a	51.0	-
01:45 AM - 01:50 AM	42.9	58.0	-	n/a	54.2	-
01:50 AM - 01:55 AM	41.2	58.0	-	n/a	54.6	-
01:55 AM - 02:00 AM	41.6	55.7	-	n/a	49.2	-
02:00 AM - 02:05 AM	40.0	56.7	-	n/a	50.0	-
02:05 AM - 02:10 AM	41.0	57.2	-	n/a	49.6	-
02:10 AM - 02:15 AM	41.7	57.3	-	n/a	51.8	-
02:15 AM - 02:20 AM	39.4	58.0	-	n/a	54.5	-
02:20 AM - 02:25 AM	42.2	57.7	-	n/a	53.1	-
02:25 AM - 02:30 AM	43.8	57.8	-	n/a	53.8	-
02:30 AM - 02:35 AM	43.2	55.8	-	n/a	42.5	-
02:35 AM - 02:40 AM	46.5	48.2	-	n/a	39.0	-
02:40 AM - 02:45 AM	48.6	47.3	-	45.7	44.5	1.2
02:45 AM - 02:50 AM	46.5	48.3	-	n/a	45.5	-
02:50 AM - 02:55 AM	40.9	49.1	-	n/a	46.5	-
02:55 AM - 03:00 AM	42.7	48.1	-	n/a	44.2	-
03:00 AM - 03:05 AM	46.7	47.4	-	n/a	44.8	-
03:05 AM - 03:10 AM	47.0	47.9	-	n/a	45.6	-
03:10 AM - 03:15 AM	43.6	47.9	-	n/a	45.4	-
03:15 AM - 03:20 AM	42.9	48.5	-	n/a	45.8	-
03:20 AM - 03:25 AM	42.1	49.2	-	n/a	46.0	-
03:25 AM - 03:30 AM	42.5	47.9	-	n/a	44.9	-
03:30 AM - 03:35 AM	40.7	47.9	-	n/a	45.4	-
03:35 AM - 03:40 AM	39.3	47.6	-	n/a	44.2	-
03:40 AM - 03:45 AM	45.2	47.1	-	n/a	44.3	-

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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: 24124991
Date Received :Dec 23, 2024
Date Reported :Dec 25, 2024
Report Number : 3201346-1

Sample No. 24124991-8
Parameter เสียงรบกวน
Location บ้านพักอาศัย หมู่ 2 ซ.มาบยางพร 15 (N2) (GPS 47P 0733648, 1434012)
Measurement Date Dec 15 - 16, 2024
Measurement by Puwanart Pimpan
Sound Level Meter 623392

ระดับเสียง (dB(A))						
เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าระดับการรบกวน
			กลางวัน	กลางคืน		
03:45 AM - 03:50 AM	43.4	46.1	-	n/a	43.9	-
03:50 AM - 03:55 AM	41.7	46.2	-	n/a	43.8	-
03:55 AM - 04:00 AM	49.5	46.1	-	49.8	43.4	6.4
04:00 AM - 04:05 AM	40.2	47.2	-	n/a	43.9	-
04:05 AM - 04:10 AM	40.6	46.3	-	n/a	42.9	-
04:10 AM - 04:15 AM	45.3	53.2	-	n/a	43.1	-
04:15 AM - 04:20 AM	43.6	44.2	-	n/a	41.0	-
04:20 AM - 04:25 AM	43.3	45.4	-	n/a	42.6	-
04:25 AM - 04:30 AM	47.7	46.5	-	44.5	43.0	1.5
04:30 AM - 04:35 AM	44.9	46.5	-	n/a	42.2	-
04:35 AM - 04:40 AM	41.9	47.1	-	n/a	44.0	-
04:40 AM - 04:45 AM	49.3	45.3	-	50.1	41.7	8.4
04:45 AM - 04:50 AM	45.1	46.2	-	n/a	41.4	-
04:50 AM - 04:55 AM	47.0	44.4	-	46.5	41.1	5.4
04:55 AM - 05:00 AM	42.4	47.9	-	n/a	44.2	-
05:00 AM - 05:05 AM	42.9	47.6	-	n/a	43.5	-
05:05 AM - 05:10 AM	44.3	48.8	-	n/a	42.5	-
05:10 AM - 05:15 AM	51.6	48.5	-	51.7	41.8	9.9
05:15 AM - 05:20 AM	52.2	47.2	-	53.5	39.9	13.6
05:20 AM - 05:25 AM	49.1	46.8	-	48.2	39.7	8.5
05:25 AM - 05:30 AM	53.1	49.4	-	53.7	44.8	8.9
05:30 AM - 05:35 AM	55.7	50.8	-	57.0	45.4	11.6
05:35 AM - 05:40 AM	50.7	50.2	-	44.1	44.0	0.1
05:40 AM - 05:45 AM	48.7	51.9	-	n/a	48.9	-
05:45 AM - 05:50 AM	60.9	50.5	-	63.5	46.8	16.7
05:50 AM - 05:55 AM	62.1	49.0	-	64.9	45.1	19.8
05:55 AM - 06:00 AM	53.4	46.7	-	55.4	40.5	14.9
06:00 AM - 07:00 AM	56.1	52.7	53.4	-	46.4	7.0
07:00 AM - 08:00 AM	61.0	57.9	58.1	-	51.0	7.1
08:00 AM - 09:00 AM	62.6	58.1	60.7	-	53.4	7.3
09:00 AM - 10:00 AM	58.1	55.2	55.0	-	50.3	4.7
10:00 AM - 11:00 AM	60.5	53.9	59.4	-	49.0	10.4
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 15-16 ธันวาคม 2567
2. ระดับเสียงพื้นฐานและระดับเสียงขณะไม่มีการรบกวน (Sample No.24124992-8 วันที่ตรวจวัด 15-16 ธันวาคม 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: 24124991
Date Received :Dec 23, 2024
Date Reported :Dec 25, 2024
Report Number : 3201347-1

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

Sample No. 24124991-9
Parameter เสียงรบกวน
Location บ้านพักอาศัย หมู่ 2 ซ.มาบยางพร 15 (N2) (GPS 47P 0733648, 1434012)
Measurement Date Dec 16 - 17, 2024
Measurement by Puwanart Pimpan
Sound Level Meter 623392

ระดับเสียง (dB(A))						
เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าระดับการรบกวน
			กลางวัน	กลางคืน		
11:00 AM - 12:00 PM	59.6	54.2	58.1	-	48.4	9.7
12:00 PM - 01:00 PM	62.9	55.6	62.0	-	47.0	15.0
01:00 PM - 02:00 PM	59.5	53.4	58.3	-	47.1	11.2
02:00 PM - 03:00 PM	54.3	51.7	50.8	-	46.3	4.5
03:00 PM - 04:00 PM	53.8	51.4	50.1	-	46.0	4.1
04:00 PM - 05:00 PM	56.9	51.2	55.5	-	45.2	10.3
05:00 PM - 06:00 PM	53.8	52.5	47.9	-	46.1	1.8
06:00 PM - 07:00 PM	54.5	56.5	n/a	-	54.0	-
07:00 PM - 08:00 PM	55.1	55.8	n/a	-	52.2	-
08:00 PM - 09:00 PM	54.2	54.2	n/a	-	50.6	-
09:00 PM - 10:00 PM	55.5	53.2	51.6	-	50.1	1.5
10:00 PM - 10:05 PM	46.7	55.8	-	n/a	49.5	-
10:05 PM - 10:10 PM	46.5	57.2	-	n/a	50.8	-
10:10 PM - 10:15 PM	46.6	53.7	-	n/a	48.0	-
10:15 PM - 10:20 PM	65.1	56.3	-	67.5	50.4	17.1
10:20 PM - 10:25 PM	45.9	55.9	-	n/a	47.5	-
10:25 PM - 10:30 PM	44.6	53.7	-	n/a	48.0	-
10:30 PM - 10:35 PM	42.7	55.1	-	n/a	48.6	-
10:35 PM - 10:40 PM	44.1	54.0	-	n/a	47.3	-
10:40 PM - 10:45 PM	43.4	57.0	-	n/a	51.4	-
10:45 PM - 10:50 PM	48.9	58.1	-	n/a	51.0	-
10:50 PM - 10:55 PM	44.4	57.2	-	n/a	49.5	-
10:55 PM - 11:00 PM	44.1	57.0	-	n/a	47.3	-
11:00 PM - 11:05 PM	48.3	56.3	-	n/a	47.7	-
11:05 PM - 11:10 PM	44.2	57.7	-	n/a	47.4	-
11:10 PM - 11:15 PM	44.4	57.7	-	n/a	51.3	-
11:15 PM - 11:20 PM	43.1	53.7	-	n/a	44.5	-
11:20 PM - 11:25 PM	53.0	50.3	-	52.7	45.0	7.7
11:25 PM - 11:30 PM	47.2	53.4	-	n/a	48.4	-
11:30 PM - 11:35 PM	50.3	53.4	-	n/a	44.7	-
11:35 PM - 11:40 PM	39.2	53.1	-	n/a	47.4	-
11:40 PM - 11:45 PM	39.9	54.7	-	n/a	50.1	-
11:45 PM - 11:50 PM	39.7	54.8	-	n/a	50.8	-
11:50 PM - 11:55 PM	53.2	54.1	-	n/a	49.1	-
11:55 PM - 12:00 AM	48.1	53.7	-	n/a	45.7	-
12:00 AM - 12:05 AM	50.9	50.9	-	n/a	45.6	-
12:05 AM - 12:10 AM	49.4	53.1	-	n/a	47.6	-
12:10 AM - 12:15 AM	40.5	56.1	-	n/a	52.6	-
12:15 AM - 12:20 AM	39.0	52.1	-	n/a	47.0	-
12:20 AM - 12:25 AM	38.4	52.5	-	n/a	45.9	-

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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: 24124991
Date Received :Dec 23, 2024
Date Reported :Dec 25, 2024
Report Number : 3201347-1

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

Sample No. 24124991-9
Parameter เสียงรบกวน
Location บ้านพักอาศัย หมู่ 2 ซ.มาบยางพร 15 (N2) (GPS 47P 0733648, 1434012)
Measurement Date Dec 16 - 17, 2024
Measurement by Puwanart Pimpan
Sound Level Meter 623392

ระดับเสียง (dB(A))						
เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าระดับการรบกวน
			กลางวัน	กลางคืน		
12:25 AM - 12:30 AM	38.4	50.4	-	n/a	46.5	-
12:30 AM - 12:35 AM	47.8	53.7	-	n/a	47.7	-
12:35 AM - 12:40 AM	45.0	51.0	-	n/a	45.1	-
12:40 AM - 12:45 AM	43.0	50.5	-	n/a	47.1	-
12:45 AM - 12:50 AM	46.0	48.9	-	n/a	45.4	-
12:50 AM - 12:55 AM	43.5	48.7	-	n/a	44.4	-
12:55 AM - 01:00 AM	35.3	48.9	-	n/a	45.3	-
01:00 AM - 01:05 AM	36.5	49.7	-	n/a	45.3	-
01:05 AM - 01:10 AM	48.8	49.3	-	n/a	45.0	-
01:10 AM - 01:15 AM	45.6	52.0	-	n/a	46.6	-
01:15 AM - 01:20 AM	41.2	53.0	-	n/a	48.3	-
01:20 AM - 01:25 AM	43.3	54.1	-	n/a	49.6	-
01:25 AM - 01:30 AM	43.2	53.3	-	n/a	48.0	-
01:30 AM - 01:35 AM	47.8	50.2	-	n/a	45.4	-
01:35 AM - 01:40 AM	36.8	49.7	-	n/a	44.9	-
01:40 AM - 01:45 AM	46.6	54.0	-	n/a	50.1	-
01:45 AM - 01:50 AM	43.2	53.8	-	n/a	49.1	-
01:50 AM - 01:55 AM	40.2	53.6	-	n/a	49.2	-
01:55 AM - 02:00 AM	46.2	53.2	-	n/a	48.1	-
02:00 AM - 02:05 AM	35.2	52.2	-	n/a	44.9	-
02:05 AM - 02:10 AM	36.4	52.9	-	n/a	46.9	-
02:10 AM - 02:15 AM	36.3	52.9	-	n/a	47.4	-
02:15 AM - 02:20 AM	35.6	51.5	-	n/a	45.6	-
02:20 AM - 02:25 AM	36.1	50.9	-	n/a	45.5	-
02:25 AM - 02:30 AM	36.6	49.0	-	n/a	44.4	-
02:30 AM - 02:35 AM	37.3	48.9	-	n/a	44.4	-
02:35 AM - 02:40 AM	36.0	45.1	-	n/a	42.9	-
02:40 AM - 02:45 AM	39.7	46.5	-	n/a	43.1	-
02:45 AM - 02:50 AM	37.4	44.7	-	n/a	42.2	-
02:50 AM - 02:55 AM	40.4	47.1	-	n/a	42.0	-
02:55 AM - 03:00 AM	42.6	44.3	-	n/a	40.8	-
03:00 AM - 03:05 AM	35.7	45.1	-	n/a	40.4	-
03:05 AM - 03:10 AM	37.2	45.0	-	n/a	40.5	-
03:10 AM - 03:15 AM	35.6	46.2	-	n/a	40.1	-
03:15 AM - 03:20 AM	34.7	46.9	-	n/a	40.8	-
03:20 AM - 03:25 AM	40.5	49.0	-	n/a	40.6	-
03:25 AM - 03:30 AM	38.2	50.6	-	n/a	40.9	-
03:30 AM - 03:35 AM	36.4	49.8	-	n/a	40.4	-
03:35 AM - 03:40 AM	39.1	52.4	-	n/a	42.2	-
03:40 AM - 03:45 AM	38.1	46.2	-	n/a	39.7	-

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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: 24124991
Date Received :Dec 23, 2024
Date Reported :Dec 25, 2024
Report Number : 3201347-1

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

Sample No. 24124991-9
Parameter เสียงรบกวน
Location บ้านพักอาศัย หมู่ 2 ซ.มาบยางพร 15 (N2) (GPS 47P 0733648, 1434012)
Measurement Date Dec 16 - 17, 2024
Measurement by Puwanart Pimpan
Sound Level Meter 623392

ระดับเสียง (dB(A))						
เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าระดับการรบกวน
			กลางวัน	กลางคืน		
03:45 AM - 03:50 AM	38.7	42.7	-	n/a	39.4	-
03:50 AM - 03:55 AM	41.2	42.4	-	n/a	39.4	-
03:55 AM - 04:00 AM	46.7	43.0	-	47.3	38.9	8.4
04:00 AM - 04:05 AM	41.0	40.3	-	35.7	38.0	-2.3
04:05 AM - 04:10 AM	39.5	41.4	-	n/a	38.2	-
04:10 AM - 04:15 AM	41.2	43.9	-	n/a	38.6	-
04:15 AM - 04:20 AM	38.0	40.3	-	n/a	37.7	-
04:20 AM - 04:25 AM	46.6	40.1	-	48.5	37.8	10.7
04:25 AM - 04:30 AM	45.0	41.3	-	45.6	37.5	8.1
04:30 AM - 04:35 AM	46.1	42.1	-	46.9	37.9	9.0
04:35 AM - 04:40 AM	45.0	40.4	-	46.2	38.2	8.0
04:40 AM - 04:45 AM	41.5	39.8	-	39.6	38.0	1.6
04:45 AM - 04:50 AM	41.7	44.4	-	n/a	39.3	-
04:50 AM - 04:55 AM	50.9	42.4	-	53.2	38.3	14.9
04:55 AM - 05:00 AM	48.4	42.6	-	50.1	38.3	11.8
05:00 AM - 05:05 AM	44.4	44.1	-	35.6	39.0	-3.4
05:05 AM - 05:10 AM	44.5	45.2	-	n/a	39.0	-
05:10 AM - 05:15 AM	49.6	52.4	-	n/a	43.5	-
05:15 AM - 05:20 AM	48.0	47.6	-	40.4	41.3	-0.9
05:20 AM - 05:25 AM	44.7	44.9	-	n/a	40.6	-
05:25 AM - 05:30 AM	45.5	43.1	-	44.8	39.9	4.9
05:30 AM - 05:35 AM	47.9	43.6	-	48.9	40.1	8.8
05:35 AM - 05:40 AM	50.6	48.6	-	49.3	41.8	7.5
05:40 AM - 05:45 AM	53.8	47.1	-	55.8	41.1	14.7
05:45 AM - 05:50 AM	51.8	45.0	-	53.8	40.5	13.3
05:50 AM - 05:55 AM	54.3	50.3	-	55.1	41.4	13.7
05:55 AM - 06:00 AM	53.1	50.7	-	52.4	43.3	9.1
06:00 AM - 07:00 AM	56.7	52.4	54.7	-	45.6	9.1
07:00 AM - 08:00 AM	60.9	56.6	58.9	-	50.2	8.7
08:00 AM - 09:00 AM	58.4	57.3	51.9	-	50.9	1.0
09:00 AM - 10:00 AM	55.9	57.5	n/a	-	53.5	-
10:00 AM - 11:00 AM	57.0	56.6	46.4	-	53.0	-6.6
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 16-17 ธันวาคม 2567
2. ระดับเสียงพื้นฐานและระดับเสียงขณะไม่มีการรบกวน (Sample No.24124992-9 วันที่ตรวจวัด 16-17 ธันวาคม 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: 24124991
Date Received :Dec 23, 2024
Date Reported :Dec 25, 2024
Report Number : 3201348-1

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

Sample No. 24124991-10
Parameter เสียงรบกวน
Location บ้านพักอาศัย หมู่ 2 ซ.มาบยางพร 15 (N2) (GPS 47P 0733648, 1434012)
Measurement Date Dec 17 - 18, 2024
Measurement by Puwanart Pimpan
Sound Level Meter 623392

ระดับเสียง (dB(A))						
เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าระดับการรบกวน
			กลางวัน	กลางคืน		
11:00 AM - 12:00 PM	58.4	58.4	n/a	-	53.9	-
12:00 PM - 01:00 PM	56.4	56.4	n/a	-	50.0	-
01:00 PM - 02:00 PM	54.0	55.8	n/a	-	50.6	-
02:00 PM - 03:00 PM	57.9	56.7	51.7	-	51.7	0.0
03:00 PM - 04:00 PM	58.0	56.1	53.5	-	52.1	1.4
04:00 PM - 05:00 PM	55.9	55.9	n/a	-	51.5	-
05:00 PM - 06:00 PM	55.2	56.2	n/a	-	48.8	-
06:00 PM - 07:00 PM	53.1	56.6	n/a	-	54.1	-
07:00 PM - 08:00 PM	54.1	56.1	n/a	-	53.5	-
08:00 PM - 09:00 PM	53.0	54.9	n/a	-	51.7	-
09:00 PM - 10:00 PM	50.8	53.0	n/a	-	50.6	-
10:00 PM - 10:05 PM	44.2	51.5	-	n/a	50.2	-
10:05 PM - 10:10 PM	42.8	51.9	-	n/a	50.4	-
10:10 PM - 10:15 PM	43.5	52.0	-	n/a	50.5	-
10:15 PM - 10:20 PM	44.2	54.1	-	n/a	50.8	-
10:20 PM - 10:25 PM	46.2	52.4	-	n/a	49.8	-
10:25 PM - 10:30 PM	40.0	52.4	-	n/a	50.7	-
10:30 PM - 10:35 PM	40.7	52.5	-	n/a	50.5	-
10:35 PM - 10:40 PM	43.0	51.5	-	n/a	49.9	-
10:40 PM - 10:45 PM	41.8	52.8	-	n/a	49.7	-
10:45 PM - 10:50 PM	40.8	52.1	-	n/a	50.0	-
10:50 PM - 10:55 PM	43.5	52.1	-	n/a	50.3	-
10:55 PM - 11:00 PM	48.7	51.5	-	n/a	49.4	-
11:00 PM - 11:05 PM	41.9	51.2	-	n/a	49.3	-
11:05 PM - 11:10 PM	44.6	52.0	-	n/a	49.5	-
11:10 PM - 11:15 PM	41.5	53.3	-	n/a	50.0	-
11:15 PM - 11:20 PM	42.1	53.4	-	n/a	50.2	-
11:20 PM - 11:25 PM	40.4	53.8	-	n/a	51.1	-
11:25 PM - 11:30 PM	42.1	53.9	-	n/a	50.7	-
11:30 PM - 11:35 PM	46.2	53.8	-	n/a	50.7	-
11:35 PM - 11:40 PM	46.7	53.1	-	n/a	50.1	-
11:40 PM - 11:45 PM	49.4	53.5	-	n/a	50.5	-
11:45 PM - 11:50 PM	43.1	53.3	-	n/a	50.7	-
11:50 PM - 11:55 PM	52.3	53.8	-	n/a	50.4	-
11:55 PM - 12:00 AM	57.9	52.6	-	59.4	49.5	9.9
12:00 AM - 12:05 AM	55.2	53.0	-	54.2	49.8	4.4
12:05 AM - 12:10 AM	54.8	52.4	-	54.1	49.4	4.7
12:10 AM - 12:15 AM	48.8	53.6	-	n/a	49.7	-
12:15 AM - 12:20 AM	49.3	53.1	-	n/a	50.0	-
12:20 AM - 12:25 AM	61.8	52.1	-	64.3	48.7	15.6

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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: 24124991
Date Received :Dec 23, 2024
Date Reported :Dec 25, 2024
Report Number : 3201348-1

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

Sample No. 24124991-10
Parameter เสียงรบกวน
Location บ้านพักอาศัย หมู่ 2 ซ.มาบยางพร 15 (N2) (GPS 47P 0733648, 1434012)
Measurement Date Dec 17 - 18, 2024
Measurement by Puwanart Pimpan
Sound Level Meter 623392

ระดับเสียง (dB(A))						
เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าระดับการรบกวน
			กลางวัน	กลางคืน		
12:25 AM - 12:30 AM	44.2	53.4	-	n/a	49.6	-
12:30 AM - 12:35 AM	62.1	52.8	-	64.6	48.5	16.1
12:35 AM - 12:40 AM	52.0	52.3	-	n/a	49.2	-
12:40 AM - 12:45 AM	44.4	52.5	-	n/a	49.4	-
12:45 AM - 12:50 AM	37.9	53.2	-	n/a	50.1	-
12:50 AM - 12:55 AM	38.5	53.0	-	n/a	49.6	-
12:55 AM - 01:00 AM	38.6	52.9	-	n/a	50.1	-
01:00 AM - 01:05 AM	41.8	52.9	-	n/a	50.1	-
01:05 AM - 01:10 AM	38.5	52.9	-	n/a	49.9	-
01:10 AM - 01:15 AM	39.8	52.6	-	n/a	49.3	-
01:15 AM - 01:20 AM	40.7	52.0	-	n/a	48.4	-
01:20 AM - 01:25 AM	41.1	53.1	-	n/a	49.7	-
01:25 AM - 01:30 AM	39.9	53.4	-	n/a	49.8	-
01:30 AM - 01:35 AM	39.7	54.9	-	n/a	50.2	-
01:35 AM - 01:40 AM	41.4	56.7	-	n/a	51.8	-
01:40 AM - 01:45 AM	40.0	56.3	-	n/a	50.9	-
01:45 AM - 01:50 AM	40.5	56.5	-	n/a	50.6	-
01:50 AM - 01:55 AM	38.1	57.6	-	n/a	53.8	-
01:55 AM - 02:00 AM	43.1	57.6	-	n/a	54.2	-
02:00 AM - 02:05 AM	44.4	55.3	-	n/a	48.8	-
02:05 AM - 02:10 AM	38.5	56.3	-	n/a	49.6	-
02:10 AM - 02:15 AM	43.1	56.8	-	n/a	49.2	-
02:15 AM - 02:20 AM	38.2	56.9	-	n/a	51.4	-
02:20 AM - 02:25 AM	37.8	57.6	-	n/a	54.1	-
02:25 AM - 02:30 AM	38.2	57.3	-	n/a	52.7	-
02:30 AM - 02:35 AM	36.9	57.4	-	n/a	53.4	-
02:35 AM - 02:40 AM	36.7	55.4	-	n/a	42.1	-
02:40 AM - 02:45 AM	38.7	47.8	-	n/a	38.6	-
02:45 AM - 02:50 AM	36.2	46.9	-	n/a	44.1	-
02:50 AM - 02:55 AM	43.4	47.9	-	n/a	45.1	-
02:55 AM - 03:00 AM	39.1	48.7	-	n/a	46.1	-
03:00 AM - 03:05 AM	40.0	47.7	-	n/a	43.8	-
03:05 AM - 03:10 AM	41.3	47.0	-	n/a	44.4	-
03:10 AM - 03:15 AM	43.3	47.5	-	n/a	45.2	-
03:15 AM - 03:20 AM	43.3	47.5	-	n/a	45.0	-
03:20 AM - 03:25 AM	40.9	48.1	-	n/a	45.4	-
03:25 AM - 03:30 AM	41.8	48.8	-	n/a	45.6	-
03:30 AM - 03:35 AM	44.8	47.5	-	n/a	44.5	-
03:35 AM - 03:40 AM	40.8	47.5	-	n/a	45.0	-
03:40 AM - 03:45 AM	39.4	47.2	-	n/a	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: 24124991
Date Received :Dec 23, 2024
Date Reported :Dec 25, 2024
Report Number : 3201348-1

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

Sample No. 24124991-10
Parameter เสียงรบกวน
Location บ้านพักอาศัย หมู่ 2 ซ.มาบยางพร 15 (N2) (GPS 47P 0733648, 1434012)
Measurement Date Dec 17 - 18, 2024
Measurement by Puwanart Pimpan
Sound Level Meter 623392

ระดับเสียง (dB(A))						
เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าระดับการรบกวน
			กลางวัน	กลางคืน		
03:45 AM - 03:50 AM	39.8	46.7	-	n/a	43.9	-
03:50 AM - 03:55 AM	40.8	45.7	-	n/a	43.5	-
03:55 AM - 04:00 AM	43.8	45.8	-	n/a	43.4	-
04:00 AM - 04:05 AM	42.8	45.7	-	n/a	43.0	-
04:05 AM - 04:10 AM	39.6	46.8	-	n/a	43.5	-
04:10 AM - 04:15 AM	53.7	45.9	-	55.9	42.5	13.4
04:15 AM - 04:20 AM	53.4	52.8	-	47.5	42.7	4.8
04:20 AM - 04:25 AM	49.0	43.8	-	50.4	40.6	9.8
04:25 AM - 04:30 AM	47.6	45.0	-	47.1	42.2	4.9
04:30 AM - 04:35 AM	52.8	46.1	-	54.8	42.6	12.2
04:35 AM - 04:40 AM	48.0	46.1	-	46.5	41.8	4.7
04:40 AM - 04:45 AM	47.5	46.7	-	42.8	43.6	-0.8
04:45 AM - 04:50 AM	44.1	44.9	-	n/a	41.3	-
04:50 AM - 04:55 AM	46.1	45.8	-	37.3	41.0	-3.7
04:55 AM - 05:00 AM	49.6	44.0	-	51.2	40.7	10.5
05:00 AM - 05:05 AM	45.0	47.5	-	n/a	43.8	-
05:05 AM - 05:10 AM	42.0	47.2	-	n/a	43.1	-
05:10 AM - 05:15 AM	44.4	48.4	-	n/a	42.1	-
05:15 AM - 05:20 AM	49.5	48.1	-	46.9	41.4	5.5
05:20 AM - 05:25 AM	46.4	46.8	-	n/a	39.5	-
05:25 AM - 05:30 AM	43.3	46.4	-	n/a	39.3	-
05:30 AM - 05:35 AM	47.8	49.0	-	n/a	44.4	-
05:35 AM - 05:40 AM	51.0	50.4	-	45.1	45.0	0.1
05:40 AM - 05:45 AM	48.9	49.8	-	n/a	43.6	-
05:45 AM - 05:50 AM	50.9	51.5	-	n/a	48.5	-
05:50 AM - 05:55 AM	51.7	50.1	-	49.6	46.4	3.2
05:55 AM - 06:00 AM	53.3	48.6	-	54.5	44.7	9.8
06:00 AM - 07:00 AM	54.9	52.0	51.8	-	45.5	6.3
07:00 AM - 08:00 AM	61.7	57.3	59.7	-	50.3	9.4
08:00 AM - 09:00 AM	57.2	57.5	n/a	-	52.8	-
09:00 AM - 10:00 AM	62.7	55.3	61.8	-	50.5	11.3
10:00 AM - 11:00 AM	62.9	53.6	62.4	-	48.6	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 17-18 ธันวาคม 2567
2. ระดับเสียงพื้นฐานและระดับเสียงขณะไม่มีการรบกวน (Sample No.24124992-10 วันที่ตรวจวัด 17-18 ธันวาคม 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: 24124991
Date Received :Dec 23, 2024
Date Reported :Dec 25, 2024
Report Number : 3201349-1

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

Sample No. 24124991-11
Parameter เสียงรบกวน
Location บ้านพักอาศัย หมู่ 2 ซ.มาบยางพร 15 (N2) (GPS 47P 0733648, 1434012)
Measurement Date Dec 18 - 19, 2024
Measurement by Puwanart Pimpan
Sound Level Meter 623392

ระดับเสียง (dB(A))						
เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าระดับการรบกวน
			กลางวัน	กลางคืน		
11:00 AM - 12:00 PM	58.6	53.9	56.8	-	48.1	8.7
12:00 PM - 01:00 PM	53.0	55.1	n/a	-	46.7	-
01:00 PM - 02:00 PM	59.0	53.2	57.7	-	46.9	10.8
02:00 PM - 03:00 PM	59.7	51.3	59.0	-	45.9	13.1
03:00 PM - 04:00 PM	63.2	62.4	55.5	-	47.6	7.9
04:00 PM - 05:00 PM	61.1	60.5	52.2	-	51.7	0.5
05:00 PM - 06:00 PM	57.3	52.3	55.6	-	45.8	9.8
06:00 PM - 07:00 PM	54.1	55.8	n/a	-	53.1	-
07:00 PM - 08:00 PM	54.6	56.3	n/a	-	52.8	-
08:00 PM - 09:00 PM	52.0	54.6	n/a	-	48.4	-
09:00 PM - 10:00 PM	50.0	51.1	n/a	-	47.2	-
10:00 PM - 10:05 PM	42.5	42.3	-	32.0	39.7	-7.7
10:05 PM - 10:10 PM	43.0	42.8	-	32.5	37.9	-5.4
10:10 PM - 10:15 PM	41.3	41.1	-	30.8	36.9	-6.1
10:15 PM - 10:20 PM	52.4	52.2	-	41.9	37.8	4.1
10:20 PM - 10:25 PM	46.9	46.7	-	36.4	37.1	-0.7
10:25 PM - 10:30 PM	45.1	44.9	-	34.6	36.1	-1.5
10:30 PM - 10:35 PM	47.2	47.0	-	36.7	37.9	-1.2
10:35 PM - 10:40 PM	46.8	46.6	-	36.3	37.2	-0.9
10:40 PM - 10:45 PM	50.1	49.9	-	39.6	37.5	2.1
10:45 PM - 10:50 PM	44.9	44.7	-	34.4	37.6	-3.2
10:50 PM - 10:55 PM	43.7	43.5	-	33.2	37.6	-4.4
10:55 PM - 11:00 PM	42.8	42.6	-	32.3	37.4	-5.1
11:00 PM - 11:05 PM	38.6	38.4	-	28.1	36.2	-8.1
11:05 PM - 11:10 PM	45.0	44.8	-	34.5	37.7	-3.2
11:10 PM - 11:15 PM	48.1	47.9	-	37.6	37.6	0.0
11:15 PM - 11:20 PM	42.3	42.1	-	31.8	37.9	-6.1
11:20 PM - 11:25 PM	47.9	47.7	-	37.4	37.3	0.1
11:25 PM - 11:30 PM	48.1	47.9	-	37.6	37.1	0.5
11:30 PM - 11:35 PM	42.3	42.1	-	31.8	36.9	-5.1
11:35 PM - 11:40 PM	40.2	40.0	-	29.7	36.3	-6.6
11:40 PM - 11:45 PM	43.3	43.1	-	32.8	36.7	-3.9
11:45 PM - 11:50 PM	50.0	49.8	-	39.5	37.9	1.6
11:50 PM - 11:55 PM	45.8	45.6	-	35.3	39.4	-4.1
11:55 PM - 12:00 AM	44.2	44.0	-	33.7	38.0	-4.3
12:00 AM - 12:05 AM	42.3	42.1	-	31.8	38.3	-6.5
12:05 AM - 12:10 AM	42.3	42.1	-	31.8	37.3	-5.5
12:10 AM - 12:15 AM	50.2	50.0	-	39.7	40.6	-0.9
12:15 AM - 12:20 AM	42.6	42.4	-	32.1	37.9	-5.8
12:20 AM - 12:25 AM	52.4	52.2	-	41.9	38.2	3.7

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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

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

Lot ID: 24124991
Date Received :Dec 23, 2024
Date Reported :Dec 25, 2024
Report Number : 3201349-1

Sample No. 24124991-11
Parameter เสียงรบกวน
Location บ้านพักอาศัย หมู่ 2 ซ.มาบยางพร 15 (N2) (GPS 47P 0733648, 1434012)
Measurement Date Dec 18 - 19, 2024
Measurement by Puwanart Pimpan
Sound Level Meter 623392

ระดับเสียง (dB(A))						
เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าระดับการรบกวน
			กลางวัน	กลางคืน		
12:25 AM - 12:30 AM	42.3	42.1	-	31.8	38.2	-6.4
12:30 AM - 12:35 AM	41.9	41.7	-	31.4	38.2	-6.8
12:35 AM - 12:40 AM	49.6	49.4	-	39.1	37.3	1.8
12:40 AM - 12:45 AM	41.0	40.8	-	30.5	36.9	-6.4
12:45 AM - 12:50 AM	41.3	41.1	-	30.8	37.8	-7.0
12:50 AM - 12:55 AM	44.8	44.6	-	34.3	38.1	-3.8
12:55 AM - 01:00 AM	39.4	39.2	-	28.9	36.1	-7.2
01:00 AM - 01:05 AM	43.2	43.0	-	32.7	36.7	-4.0
01:05 AM - 01:10 AM	42.3	42.1	-	31.8	37.4	-5.6
01:10 AM - 01:15 AM	39.5	39.3	-	29.0	36.8	-7.8
01:15 AM - 01:20 AM	39.5	39.3	-	29.0	36.6	-7.6
01:20 AM - 01:25 AM	38.6	38.4	-	28.1	35.8	-7.7
01:25 AM - 01:30 AM	38.0	37.8	-	27.5	35.3	-7.8
01:30 AM - 01:35 AM	39.8	39.6	-	29.3	35.3	-6.0
01:35 AM - 01:40 AM	36.7	36.5	-	26.2	35.1	-8.9
01:40 AM - 01:45 AM	36.6	36.4	-	26.1	35.1	-9.0
01:45 AM - 01:50 AM	39.0	38.8	-	28.5	34.9	-6.4
01:50 AM - 01:55 AM	36.6	36.4	-	26.1	35.0	-8.9
01:55 AM - 02:00 AM	37.6	37.4	-	27.1	35.8	-8.7
02:00 AM - 02:05 AM	36.9	36.7	-	26.4	35.1	-8.7
02:05 AM - 02:10 AM	38.0	37.8	-	27.5	35.5	-8.0
02:10 AM - 02:15 AM	47.7	47.5	-	37.2	35.3	1.9
02:15 AM - 02:20 AM	36.0	35.8	-	25.5	34.8	-9.3
02:20 AM - 02:25 AM	39.7	39.5	-	29.2	35.2	-6.0
02:25 AM - 02:30 AM	42.6	42.4	-	32.1	35.0	-2.9
02:30 AM - 02:35 AM	37.0	36.8	-	26.5	35.0	-8.5
02:35 AM - 02:40 AM	43.8	43.6	-	33.3	35.2	-1.9
02:40 AM - 02:45 AM	43.3	43.1	-	32.8	36.4	-3.6
02:45 AM - 02:50 AM	38.9	38.7	-	28.4	36.4	-8.0
02:50 AM - 02:55 AM	38.6	38.4	-	28.1	36.4	-8.3
02:55 AM - 03:00 AM	38.8	38.6	-	28.3	36.8	-8.5
03:00 AM - 03:05 AM	45.9	45.7	-	35.4	36.6	-1.2
03:05 AM - 03:10 AM	38.6	38.4	-	28.1	36.7	-8.6
03:10 AM - 03:15 AM	38.0	37.8	-	27.5	36.1	-8.6
03:15 AM - 03:20 AM	37.7	37.5	-	27.2	35.6	-8.4
03:20 AM - 03:25 AM	39.1	38.9	-	28.6	35.6	-7.0
03:25 AM - 03:30 AM	38.9	38.7	-	28.4	36.1	-7.7
03:30 AM - 03:35 AM	38.8	38.6	-	28.3	36.5	-8.2
03:35 AM - 03:40 AM	38.6	38.4	-	28.1	35.9	-7.8
03:40 AM - 03:45 AM	38.9	38.7	-	28.4	36.3	-7.9

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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: 24124991
Date Received :Dec 23, 2024
Date Reported :Dec 25, 2024
Report Number : 3201349-1

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

Sample No. 24124991-11
Parameter เสียงรบกวน
Location บ้านพักอาศัย หมู่ 2 ซ.มาบยางพร 15 (N2) (GPS 47P 0733648, 1434012)
Measurement Date Dec 18 - 19, 2024
Measurement by Puwanart Pimpan
Sound Level Meter 623392

ระดับเสียง (dB(A))						
เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าระดับการรบกวน
			กลางวัน	กลางคืน		
03:45 AM - 03:50 AM	37.9	37.7	-	27.4	35.8	-8.4
03:50 AM - 03:55 AM	41.5	41.3	-	31.0	37.0	-6.0
03:55 AM - 04:00 AM	40.6	40.4	-	30.1	37.7	-7.6
04:00 AM - 04:05 AM	47.6	48.6	-	n/a	43.2	-
04:05 AM - 04:10 AM	44.8	47.0	-	n/a	41.6	-
04:10 AM - 04:15 AM	43.4	45.7	-	n/a	42.4	-
04:15 AM - 04:20 AM	42.5	46.2	-	n/a	43.6	-
04:20 AM - 04:25 AM	46.6	44.0	-	46.1	41.2	4.9
04:25 AM - 04:30 AM	42.7	43.5	-	n/a	40.6	-
04:30 AM - 04:35 AM	44.1	42.8	-	41.2	39.3	1.9
04:35 AM - 04:40 AM	47.2	44.9	-	46.3	39.9	6.4
04:40 AM - 04:45 AM	46.5	49.0	-	n/a	41.1	-
04:45 AM - 04:50 AM	43.8	49.8	-	n/a	41.5	-
04:50 AM - 04:55 AM	50.4	50.0	-	42.8	42.2	0.6
04:55 AM - 05:00 AM	50.2	51.4	-	n/a	43.7	-
05:00 AM - 05:05 AM	47.4	48.7	-	n/a	41.6	-
05:05 AM - 05:10 AM	45.8	49.6	-	n/a	42.0	-
05:10 AM - 05:15 AM	45.2	47.4	-	n/a	40.6	-
05:15 AM - 05:20 AM	45.5	44.6	-	41.2	40.1	1.1
05:20 AM - 05:25 AM	51.2	51.9	-	n/a	41.1	-
05:25 AM - 05:30 AM	53.7	59.4	-	n/a	50.2	-
05:30 AM - 05:35 AM	54.6	55.9	-	n/a	45.4	-
05:35 AM - 05:40 AM	51.5	52.0	-	n/a	42.2	-
05:40 AM - 05:45 AM	51.3	45.8	-	52.9	40.8	12.1
05:45 AM - 05:50 AM	55.8	45.3	-	58.4	41.1	17.3
05:50 AM - 05:55 AM	53.9	44.7	-	56.3	38.6	17.7
05:55 AM - 06:00 AM	52.8	49.2	-	53.3	41.7	11.6
06:00 AM - 07:00 AM	58.6	58.3	46.8	-	48.7	-1.9
07:00 AM - 08:00 AM	64.8	64.3	55.2	-	50.4	4.8
08:00 AM - 09:00 AM	57.8	57.3	48.2	-	49.4	-1.2
09:00 AM - 10:00 AM	58.6	58.1	49.0	-	52.1	-3.1
10:00 AM - 11:00 AM	58.0	57.5	48.4	-	51.9	-3.5
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 18-19 ธันวาคม 2567
2. ระดับเสียงพื้นฐานและระดับเสียงขณะไม่มีการรบกวน (Sample No.24124992-11 วันที่ตรวจวัด 18-19 ธันวาคม 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: 24124991
Date Received :Dec 23, 2024
Date Reported :Dec 25, 2024
Report Number : 3201350-1

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

Sample No. 24124991-12
Parameter เสียงรบกวน
Location บ้านพักอาศัย หมู่ 2 ซ.มาบยางพร 15 (N2) (GPS 47P 0733648, 1434012)
Measurement Date Dec 19 - 20, 2024
Measurement by Puwanart Pimpan
Sound Level Meter 623392

ระดับเสียง (dB(A))						
เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าระดับการรบกวน
			กลางวัน	กลางคืน		
11:00 AM - 12:00 PM	59.8	53.3	58.7	-	47.3	11.4
12:00 PM - 01:00 PM	57.0	57.2	n/a	-	51.3	-
01:00 PM - 02:00 PM	55.2	56.9	n/a	-	52.6	-
02:00 PM - 03:00 PM	54.0	57.1	n/a	-	52.9	-
03:00 PM - 04:00 PM	55.6	56.3	n/a	-	52.1	-
04:00 PM - 05:00 PM	58.4	59.1	n/a	-	54.5	-
05:00 PM - 06:00 PM	60.0	55.6	58.0	-	47.5	10.5
06:00 PM - 07:00 PM	53.7	54.9	n/a	-	51.0	-
07:00 PM - 08:00 PM	56.8	54.3	53.2	-	51.1	2.1
08:00 PM - 09:00 PM	52.8	54.5	n/a	-	50.9	-
09:00 PM - 10:00 PM	53.3	53.5	n/a	-	50.4	-
10:00 PM - 10:05 PM	49.3	56.1	-	n/a	49.8	-
10:05 PM - 10:10 PM	45.9	57.5	-	n/a	51.1	-
10:10 PM - 10:15 PM	52.0	54.0	-	n/a	48.3	-
10:15 PM - 10:20 PM	45.3	56.6	-	n/a	50.7	-
10:20 PM - 10:25 PM	61.6	56.2	-	63.1	47.8	15.3
10:25 PM - 10:30 PM	44.2	54.0	-	n/a	48.3	-
10:30 PM - 10:35 PM	43.6	55.4	-	n/a	48.9	-
10:35 PM - 10:40 PM	41.8	54.3	-	n/a	47.6	-
10:40 PM - 10:45 PM	48.0	57.3	-	n/a	51.7	-
10:45 PM - 10:50 PM	41.6	58.4	-	n/a	51.3	-
10:50 PM - 10:55 PM	44.8	57.5	-	n/a	49.8	-
10:55 PM - 11:00 PM	46.6	57.3	-	n/a	47.6	-
11:00 PM - 11:05 PM	40.7	56.6	-	n/a	48.0	-
11:05 PM - 11:10 PM	42.0	58.0	-	n/a	47.7	-
11:10 PM - 11:15 PM	41.3	58.0	-	n/a	51.6	-
11:15 PM - 11:20 PM	42.6	54.0	-	n/a	44.8	-
11:20 PM - 11:25 PM	43.6	50.6	-	n/a	45.3	-
11:25 PM - 11:30 PM	42.4	53.7	-	n/a	48.7	-
11:30 PM - 11:35 PM	42.9	53.7	-	n/a	45.0	-
11:35 PM - 11:40 PM	41.8	53.4	-	n/a	47.7	-
11:40 PM - 11:45 PM	43.1	55.0	-	n/a	50.4	-
11:45 PM - 11:50 PM	52.7	55.1	-	n/a	51.1	-
11:50 PM - 11:55 PM	48.0	54.4	-	n/a	49.4	-
11:55 PM - 12:00 AM	42.5	54.0	-	n/a	46.0	-
12:00 AM - 12:05 AM	54.4	51.2	-	54.6	45.9	8.7
12:05 AM - 12:10 AM	46.7	53.4	-	n/a	47.9	-
12:10 AM - 12:15 AM	55.8	56.4	-	n/a	52.9	-
12:15 AM - 12:20 AM	51.9	52.4	-	n/a	47.3	-
12:20 AM - 12:25 AM	43.9	52.8	-	n/a	46.2	-

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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: 24124991
Date Received :Dec 23, 2024
Date Reported :Dec 25, 2024
Report Number : 3201350-1

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

Sample No. 24124991-12
Parameter เสียงรบกวน
Location บ้านพักอาศัย หมู่ 2 ซ.มาบยางพร 15 (N2) (GPS 47P 0733648, 1434012)
Measurement Date Dec 19 - 20, 2024
Measurement by Puwanart Pimpan
Sound Level Meter 623392

ระดับเสียง (dB(A))						
เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าระดับการรบกวน
			กลางวัน	กลางคืน		
12:25 AM - 12:30 AM	40.1	50.7	-	n/a	46.8	-
12:30 AM - 12:35 AM	51.8	54.0	-	n/a	48.0	-
12:35 AM - 12:40 AM	49.9	51.3	-	n/a	45.4	-
12:40 AM - 12:45 AM	46.8	50.8	-	n/a	47.4	-
12:45 AM - 12:50 AM	45.8	49.2	-	n/a	45.7	-
12:50 AM - 12:55 AM	42.6	49.0	-	n/a	44.7	-
12:55 AM - 01:00 AM	51.3	49.2	-	50.1	45.6	4.5
01:00 AM - 01:05 AM	48.6	50.0	-	n/a	45.6	-
01:05 AM - 01:10 AM	41.3	49.6	-	n/a	45.3	-
01:10 AM - 01:15 AM	40.6	52.3	-	n/a	46.9	-
01:15 AM - 01:20 AM	39.9	53.3	-	n/a	48.6	-
01:20 AM - 01:25 AM	43.3	54.4	-	n/a	49.9	-
01:25 AM - 01:30 AM	47.0	53.6	-	n/a	48.3	-
01:30 AM - 01:35 AM	47.4	50.5	-	n/a	45.7	-
01:35 AM - 01:40 AM	43.1	50.0	-	n/a	45.2	-
01:40 AM - 01:45 AM	49.3	54.3	-	n/a	50.4	-
01:45 AM - 01:50 AM	45.9	54.1	-	n/a	49.4	-
01:50 AM - 01:55 AM	45.1	53.9	-	n/a	49.5	-
01:55 AM - 02:00 AM	43.6	53.5	-	n/a	48.4	-
02:00 AM - 02:05 AM	44.9	52.5	-	n/a	45.2	-
02:05 AM - 02:10 AM	42.3	53.2	-	n/a	47.2	-
02:10 AM - 02:15 AM	42.9	53.2	-	n/a	47.7	-
02:15 AM - 02:20 AM	38.6	51.8	-	n/a	45.9	-
02:20 AM - 02:25 AM	37.8	51.2	-	n/a	45.8	-
02:25 AM - 02:30 AM	38.4	49.3	-	n/a	44.7	-
02:30 AM - 02:35 AM	53.7	49.2	-	54.8	44.7	10.1
02:35 AM - 02:40 AM	49.9	45.4	-	51.0	43.2	7.8
02:40 AM - 02:45 AM	50.2	46.8	-	50.5	43.4	7.1
02:45 AM - 02:50 AM	38.1	45.0	-	n/a	42.5	-
02:50 AM - 02:55 AM	42.9	47.4	-	n/a	42.3	-
02:55 AM - 03:00 AM	39.2	44.6	-	n/a	41.1	-
03:00 AM - 03:05 AM	43.4	45.4	-	n/a	40.7	-
03:05 AM - 03:10 AM	46.4	45.3	-	42.9	40.8	2.1
03:10 AM - 03:15 AM	43.5	46.5	-	n/a	40.4	-
03:15 AM - 03:20 AM	43.2	47.2	-	n/a	41.1	-
03:20 AM - 03:25 AM	41.8	49.3	-	n/a	40.9	-
03:25 AM - 03:30 AM	38.4	50.9	-	n/a	41.2	-
03:30 AM - 03:35 AM	37.9	50.1	-	n/a	40.7	-
03:35 AM - 03:40 AM	38.9	52.7	-	n/a	42.5	-
03:40 AM - 03:45 AM	38.8	46.5	-	n/a	40.0	-

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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: 24124991
Date Received :Dec 23, 2024
Date Reported :Dec 25, 2024
Report Number : 3201350-1

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

Sample No. 24124991-12
Parameter เสียงรบกวน
Location บ้านพักอาศัย หมู่ 2 ซ.มาบยางพร 15 (N2) (GPS 47P 0733648, 1434012)
Measurement Date Dec 19 - 20, 2024
Measurement by Puwanart Pimpan
Sound Level Meter 623392

ระดับเสียง (dB(A))						
เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าระดับการรบกวน
			กลางวัน	กลางคืน		
03:45 AM - 03:50 AM	40.3	43.0	-	n/a	39.7	-
03:50 AM - 03:55 AM	45.0	42.7	-	44.1	39.7	4.4
03:55 AM - 04:00 AM	45.8	43.3	-	45.2	39.2	6.0
04:00 AM - 04:05 AM	39.2	40.6	-	n/a	38.3	-
04:05 AM - 04:10 AM	39.4	41.7	-	n/a	38.5	-
04:10 AM - 04:15 AM	45.1	44.2	-	40.8	38.9	1.9
04:15 AM - 04:20 AM	41.1	40.6	-	34.5	38.0	-3.5
04:20 AM - 04:25 AM	38.9	40.4	-	n/a	38.1	-
04:25 AM - 04:30 AM	42.5	41.6	-	38.2	37.8	0.4
04:30 AM - 04:35 AM	42.5	42.4	-	29.1	38.2	-9.1
04:35 AM - 04:40 AM	41.5	40.7	-	36.8	38.5	-1.7
04:40 AM - 04:45 AM	41.5	40.1	-	38.9	38.3	0.6
04:45 AM - 04:50 AM	44.3	44.7	-	n/a	39.6	-
04:50 AM - 04:55 AM	52.0	42.7	-	54.5	38.6	15.9
04:55 AM - 05:00 AM	49.6	42.9	-	51.6	38.6	13.0
05:00 AM - 05:05 AM	47.7	44.4	-	48.0	39.3	8.7
05:05 AM - 05:10 AM	43.7	45.5	-	n/a	39.3	-
05:10 AM - 05:15 AM	46.5	52.7	-	n/a	43.8	-
05:15 AM - 05:20 AM	48.4	47.9	-	41.8	41.6	0.2
05:20 AM - 05:25 AM	47.0	45.2	-	45.3	40.9	4.4
05:25 AM - 05:30 AM	44.2	43.4	-	39.5	40.2	-0.7
05:30 AM - 05:35 AM	48.0	43.9	-	48.9	40.4	8.5
05:35 AM - 05:40 AM	51.3	48.9	-	50.6	42.1	8.5
05:40 AM - 05:45 AM	55.7	47.4	-	58.0	41.4	16.6
05:45 AM - 05:50 AM	54.3	45.3	-	56.7	40.8	15.9
05:50 AM - 05:55 AM	53.6	50.6	-	53.6	41.7	11.9
05:55 AM - 06:00 AM	50.5	51.0	-	n/a	43.6	-
06:00 AM - 07:00 AM	55.8	52.7	52.9	-	45.9	7.0
07:00 AM - 08:00 AM	59.2	56.9	55.3	-	50.5	4.8
08:00 AM - 09:00 AM	62.7	63.7	n/a	-	51.3	-
09:00 AM - 10:00 AM	59.2	59.1	42.8	-	53.9	-11.1
10:00 AM - 11:00 AM	58.6	56.9	53.7	-	53.3	0.4
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 19-20 ธันวาคม 2567
2. ระดับเสียงพื้นฐานและระดับเสียงขณะไม่มีการรบกวน (Sample No.24124992-12 วันที่ตรวจวัด 19-20 ธันวาคม 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: 24124991
Date Received :Dec 23, 2024
Date Reported :Dec 25, 2024
Report Number : 3201351-1

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

Sample No. 24124991-13
Parameter เสียงรบกวน
Location บ้านพักอาศัย หมู่ 2 ซ.มาบยางพร 15 (N2) (GPS 47P 0733648, 1434012)
Measurement Date Dec 20 - 21, 2024
Measurement by Puwanart Pimpan
Sound Level Meter 623392

ระดับเสียง (dB(A))						
เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าระดับการรบกวน
			กลางวัน	กลางคืน		
11:00 AM - 12:00 PM	58.7	58.7	n/a	-	54.2	-
12:00 PM - 01:00 PM	55.3	56.7	n/a	-	50.3	-
01:00 PM - 02:00 PM	55.3	56.1	n/a	-	50.9	-
02:00 PM - 03:00 PM	58.6	57.0	53.5	-	52.0	1.5
03:00 PM - 04:00 PM	59.3	56.4	56.2	-	52.4	3.8
04:00 PM - 05:00 PM	56.5	56.2	44.7	-	51.8	-7.1
05:00 PM - 06:00 PM	55.6	56.5	n/a	-	49.1	-
06:00 PM - 07:00 PM	53.9	56.9	n/a	-	54.4	-
07:00 PM - 08:00 PM	56.8	58.7	n/a	-	55.6	-
08:00 PM - 09:00 PM	58.1	59.6	n/a	-	55.0	-
09:00 PM - 10:00 PM	59.2	59.8	n/a	-	54.5	-
10:00 PM - 10:05 PM	50.6	63.0	-	n/a	59.8	-
10:05 PM - 10:10 PM	46.7	63.2	-	n/a	59.8	-
10:10 PM - 10:15 PM	44.7	63.6	-	n/a	59.3	-
10:15 PM - 10:20 PM	47.3	54.4	-	n/a	47.7	-
10:20 PM - 10:25 PM	44.3	50.8	-	n/a	47.9	-
10:25 PM - 10:30 PM	44.1	50.4	-	n/a	47.3	-
10:30 PM - 10:35 PM	43.6	49.5	-	n/a	45.8	-
10:35 PM - 10:40 PM	44.6	51.1	-	n/a	46.4	-
10:40 PM - 10:45 PM	57.3	49.9	-	59.4	45.5	13.9
10:45 PM - 10:50 PM	44.8	49.3	-	n/a	45.0	-
10:50 PM - 10:55 PM	45.3	48.9	-	n/a	44.6	-
10:55 PM - 11:00 PM	54.0	48.2	-	55.7	44.6	11.1
11:00 PM - 11:05 PM	67.0	49.2	-	69.9	45.5	24.4
11:05 PM - 11:10 PM	44.7	49.1	-	n/a	45.7	-
11:10 PM - 11:15 PM	49.7	49.0	-	44.4	45.8	-1.4
11:15 PM - 11:20 PM	41.9	48.9	-	n/a	45.6	-
11:20 PM - 11:25 PM	49.8	51.9	-	n/a	45.8	-
11:25 PM - 11:30 PM	42.8	47.6	-	n/a	44.7	-
11:30 PM - 11:35 PM	44.0	53.5	-	n/a	44.0	-
11:35 PM - 11:40 PM	44.4	51.2	-	n/a	42.3	-
11:40 PM - 11:45 PM	43.3	49.1	-	n/a	43.0	-
11:45 PM - 11:50 PM	50.5	45.5	-	51.8	43.0	8.8
11:50 PM - 11:55 PM	45.5	49.6	-	n/a	43.8	-
11:55 PM - 12:00 AM	48.2	50.2	-	n/a	46.3	-
12:00 AM - 12:05 AM	44.0	50.0	-	n/a	45.3	-
12:05 AM - 12:10 AM	43.4	51.8	-	n/a	47.1	-
12:10 AM - 12:15 AM	46.0	50.9	-	n/a	45.3	-
12:15 AM - 12:20 AM	43.8	50.0	-	n/a	44.1	-
12:20 AM - 12:25 AM	42.3	53.5	-	n/a	46.7	-

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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: 24124991
Date Received :Dec 23, 2024
Date Reported :Dec 25, 2024
Report Number : 3201351-1

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

Sample No. 24124991-13
Parameter เสียงรบกวน
Location บ้านพักอาศัย หมู่ 2 ซ.มาบยางพร 15 (N2) (GPS 47P 0733648, 1434012)
Measurement Date Dec 20 - 21, 2024
Measurement by Puwanart Pimpan
Sound Level Meter 623392

ระดับเสียง (dB(A))						
เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าระดับการรบกวน
			กลางวัน	กลางคืน		
12:25 AM - 12:30 AM	48.3	53.3	-	n/a	45.3	-
12:30 AM - 12:35 AM	52.2	53.3	-	n/a	45.2	-
12:35 AM - 12:40 AM	47.0	52.8	-	n/a	45.3	-
12:40 AM - 12:45 AM	45.8	50.5	-	n/a	44.6	-
12:45 AM - 12:50 AM	41.2	52.7	-	n/a	45.1	-
12:50 AM - 12:55 AM	45.6	59.0	-	n/a	44.0	-
12:55 AM - 01:00 AM	45.6	52.0	-	n/a	46.0	-
01:00 AM - 01:05 AM	39.1	51.9	-	n/a	45.7	-
01:05 AM - 01:10 AM	43.6	51.9	-	n/a	44.0	-
01:10 AM - 01:15 AM	42.1	52.6	-	n/a	45.0	-
01:15 AM - 01:20 AM	48.7	51.4	-	n/a	43.4	-
01:20 AM - 01:25 AM	47.6	51.2	-	n/a	43.1	-
01:25 AM - 01:30 AM	49.1	52.7	-	n/a	43.9	-
01:30 AM - 01:35 AM	47.8	51.6	-	n/a	43.7	-
01:35 AM - 01:40 AM	39.0	50.6	-	n/a	42.6	-
01:40 AM - 01:45 AM	46.5	51.5	-	n/a	43.5	-
01:45 AM - 01:50 AM	37.1	51.2	-	n/a	42.5	-
01:50 AM - 01:55 AM	36.2	51.3	-	n/a	40.6	-
01:55 AM - 02:00 AM	39.9	45.9	-	n/a	40.4	-
02:00 AM - 02:05 AM	36.8	50.5	-	n/a	39.6	-
02:05 AM - 02:10 AM	41.9	40.6	-	39.0	39.1	-0.1
02:10 AM - 02:15 AM	45.4	39.7	-	47.0	38.5	8.5
02:15 AM - 02:20 AM	37.4	42.6	-	n/a	39.5	-
02:20 AM - 02:25 AM	37.2	40.8	-	n/a	38.9	-
02:25 AM - 02:30 AM	38.9	43.9	-	n/a	39.0	-
02:30 AM - 02:35 AM	37.3	43.2	-	n/a	38.8	-
02:35 AM - 02:40 AM	38.8	39.5	-	n/a	38.2	-
02:40 AM - 02:45 AM	39.4	39.9	-	n/a	38.3	-
02:45 AM - 02:50 AM	37.9	41.2	-	n/a	38.8	-
02:50 AM - 02:55 AM	39.2	40.4	-	n/a	38.5	-
02:55 AM - 03:00 AM	40.4	40.7	-	n/a	38.3	-
03:00 AM - 03:05 AM	42.6	41.9	-	37.3	38.2	-0.9
03:05 AM - 03:10 AM	41.0	40.8	-	30.5	38.5	-8.0
03:10 AM - 03:15 AM	38.4	41.9	-	n/a	38.2	-
03:15 AM - 03:20 AM	42.7	43.4	-	n/a	38.4	-
03:20 AM - 03:25 AM	38.6	44.5	-	n/a	39.5	-
03:25 AM - 03:30 AM	40.2	41.3	-	n/a	37.8	-
03:30 AM - 03:35 AM	42.5	40.8	-	40.6	37.6	3.0
03:35 AM - 03:40 AM	42.0	42.0	-	n/a	38.1	-
03:40 AM - 03:45 AM	46.5	38.7	-	48.7	37.6	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

Lot ID: 24124991
Date Received :Dec 23, 2024
Date Reported :Dec 25, 2024
Report Number : 3201351-1

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

Sample No. 24124991-13
Parameter เสียงรบกวน
Location บ้านพักอาศัย หมู่ 2 ซ.มาบยางพร 15 (N2) (GPS 47P 0733648, 1434012)
Measurement Date Dec 20 - 21, 2024
Measurement by Puwanart Pimpan
Sound Level Meter 623392

ระดับเสียง (dB(A))						
เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าระดับการรบกวน
			กลางวัน	กลางคืน		
03:45 AM - 03:50 AM	44.2	42.5	-	42.3	38.3	4.0
03:50 AM - 03:55 AM	39.7	42.3	-	n/a	37.1	-
03:55 AM - 04:00 AM	40.9	44.3	-	n/a	38.3	-
04:00 AM - 04:05 AM	41.6	49.1	-	n/a	38.1	-
04:05 AM - 04:10 AM	45.6	47.5	-	n/a	38.2	-
04:10 AM - 04:15 AM	44.1	42.9	-	40.9	36.8	4.1
04:15 AM - 04:20 AM	42.2	44.2	-	n/a	37.4	-
04:20 AM - 04:25 AM	38.0	42.8	-	n/a	37.2	-
04:25 AM - 04:30 AM	44.6	40.6	-	45.4	37.7	7.7
04:30 AM - 04:35 AM	46.1	42.0	-	47.0	38.2	8.8
04:35 AM - 04:40 AM	46.2	43.2	-	46.2	38.0	8.2
04:40 AM - 04:45 AM	42.0	41.5	-	35.4	37.8	-2.4
04:45 AM - 04:50 AM	45.1	46.8	-	n/a	39.0	-
04:50 AM - 04:55 AM	52.2	45.0	-	54.3	39.8	14.5
04:55 AM - 05:00 AM	50.7	46.3	-	51.7	38.2	13.5
05:00 AM - 05:05 AM	56.1	43.8	-	58.8	38.4	20.4
05:05 AM - 05:10 AM	49.9	47.9	-	48.6	42.9	5.7
05:10 AM - 05:15 AM	51.2	52.7	-	n/a	45.4	-
05:15 AM - 05:20 AM	51.2	47.7	-	51.6	43.2	8.4
05:20 AM - 05:25 AM	51.2	46.1	-	52.6	41.7	10.9
05:25 AM - 05:30 AM	46.3	47.8	-	n/a	44.1	-
05:30 AM - 05:35 AM	49.4	48.3	-	45.9	42.4	3.5
05:35 AM - 05:40 AM	49.2	47.2	-	47.9	39.6	8.3
05:40 AM - 05:45 AM	48.3	47.2	-	44.8	41.5	3.3
05:45 AM - 05:50 AM	49.6	46.8	-	49.4	42.1	7.3
05:50 AM - 05:55 AM	52.7	49.2	-	53.1	46.1	7.0
05:55 AM - 06:00 AM	54.2	50.2	-	55.0	45.7	9.3
06:00 AM - 07:00 AM	55.9	51.7	53.8	-	45.0	8.8
07:00 AM - 08:00 AM	59.5	55.7	57.2	-	48.2	9.0
08:00 AM - 09:00 AM	56.7	56.3	46.1	-	49.5	-3.4
09:00 AM - 10:00 AM	64.6	56.8	63.8	-	53.3	10.5
10:00 AM - 11:00 AM	61.2	54.8	60.1	-	51.9	8.2
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 20-21 ธันวาคม 2567
2. ระดับเสียงพื้นฐานและระดับเสียงขณะไม่มีการรบกวน (Sample No.24124992-13 วันที่ตรวจวัด 20-21 ธันวาคม 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: 24124991
Date Received :Dec 23, 2024
Date Reported :Dec 25, 2024
Report Number : 3201352-1

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

Sample No. 24124991-14
Parameter เสียงรบกวน
Location บ้านพักอาศัย หมู่ 2 ซ.มาบยางพร 15 (N2) (GPS 47P 0733648, 1434012)
Measurement Date Dec 21 - 22, 2024
Measurement by Puwanart Pimpan
Sound Level Meter 623392

ระดับเสียง (dB(A))						
เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าระดับการรบกวน
			กลางวัน	กลางคืน		
11:00 AM - 12:00 PM	61.0	52.6	60.3	-	47.2	13.1
12:00 PM - 01:00 PM	60.1	54.5	58.7	-	45.9	12.8
01:00 PM - 02:00 PM	62.7	54.1	62.1	-	49.1	13.0
02:00 PM - 03:00 PM	59.0	54.0	57.3	-	48.9	8.4
03:00 PM - 04:00 PM	63.0	57.2	61.7	-	52.6	9.1
04:00 PM - 05:00 PM	59.5	57.5	55.2	-	52.6	2.6
05:00 PM - 06:00 PM	63.1	56.7	62.0	-	51.6	10.4
06:00 PM - 07:00 PM	53.5	58.9	n/a	-	56.8	-
07:00 PM - 08:00 PM	53.4	58.1	n/a	-	54.2	-
08:00 PM - 09:00 PM	53.4	53.1	41.6	-	48.8	-7.2
09:00 PM - 10:00 PM	50.1	51.2	n/a	-	47.5	-
10:00 PM - 10:05 PM	61.5	49.4	-	64.2	47.4	16.8
10:05 PM - 10:10 PM	46.6	52.5	-	n/a	47.5	-
10:10 PM - 10:15 PM	45.7	48.6	-	n/a	46.9	-
10:15 PM - 10:20 PM	63.0	50.1	-	65.8	47.0	18.8
10:20 PM - 10:25 PM	50.9	52.3	-	n/a	47.1	-
10:25 PM - 10:30 PM	48.7	51.8	-	n/a	47.6	-
10:30 PM - 10:35 PM	46.9	52.6	-	n/a	48.3	-
10:35 PM - 10:40 PM	47.8	52.3	-	n/a	47.5	-
10:40 PM - 10:45 PM	47.2	53.0	-	n/a	46.5	-
10:45 PM - 10:50 PM	46.3	51.9	-	n/a	46.6	-
10:50 PM - 10:55 PM	47.7	51.7	-	n/a	46.8	-
10:55 PM - 11:00 PM	44.7	52.7	-	n/a	47.9	-
11:00 PM - 11:05 PM	46.9	56.1	-	n/a	49.3	-
11:05 PM - 11:10 PM	46.6	57.0	-	n/a	53.7	-
11:10 PM - 11:15 PM	51.6	57.7	-	n/a	55.7	-
11:15 PM - 11:20 PM	53.0	57.3	-	n/a	55.2	-
11:20 PM - 11:25 PM	43.7	57.2	-	n/a	55.2	-
11:25 PM - 11:30 PM	43.1	57.2	-	n/a	52.1	-
11:30 PM - 11:35 PM	43.8	57.4	-	n/a	55.1	-
11:35 PM - 11:40 PM	44.1	55.9	-	n/a	53.1	-
11:40 PM - 11:45 PM	45.8	54.7	-	n/a	46.8	-
11:45 PM - 11:50 PM	50.0	50.1	-	n/a	45.7	-
11:50 PM - 11:55 PM	45.4	50.6	-	n/a	46.5	-
11:55 PM - 12:00 AM	48.3	51.2	-	n/a	47.6	-
12:00 AM - 12:05 AM	46.6	53.5	-	n/a	46.0	-
12:05 AM - 12:10 AM	47.7	53.3	-	n/a	45.6	-
12:10 AM - 12:15 AM	46.4	53.1	-	n/a	45.6	-
12:15 AM - 12:20 AM	53.4	52.9	-	46.8	45.4	1.4
12:20 AM - 12:25 AM	45.5	53.0	-	n/a	45.6	-

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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: 24124991
Date Received :Dec 23, 2024
Date Reported :Dec 25, 2024
Report Number : 3201352-1

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

Sample No. 24124991-14
Parameter เสียงรบกวน
Location บ้านพักอาศัย หมู่ 2 ซ.มาบยางพร 15 (N2) (GPS 47P 0733648, 1434012)
Measurement Date Dec 21 - 22, 2024
Measurement by Puwanart Pimpan
Sound Level Meter 623392

ระดับเสียง (dB(A))						
เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าระดับการรบกวน
			กลางวัน	กลางคืน		
12:25 AM - 12:30 AM	49.3	52.3	-	n/a	45.6	-
12:30 AM - 12:35 AM	49.8	50.9	-	n/a	43.6	-
12:35 AM - 12:40 AM	45.4	53.9	-	n/a	44.9	-
12:40 AM - 12:45 AM	47.9	54.1	-	n/a	44.7	-
12:45 AM - 12:50 AM	44.8	57.4	-	n/a	48.8	-
12:50 AM - 12:55 AM	44.3	56.0	-	n/a	48.2	-
12:55 AM - 01:00 AM	43.2	53.8	-	n/a	44.8	-
01:00 AM - 01:05 AM	48.7	46.4	-	47.8	43.9	3.9
01:05 AM - 01:10 AM	42.5	54.3	-	n/a	44.5	-
01:10 AM - 01:15 AM	41.2	53.2	-	n/a	45.7	-
01:15 AM - 01:20 AM	48.2	55.1	-	n/a	45.9	-
01:20 AM - 01:25 AM	41.7	55.4	-	n/a	46.3	-
01:25 AM - 01:30 AM	41.4	56.6	-	n/a	47.4	-
01:30 AM - 01:35 AM	41.5	54.7	-	n/a	45.0	-
01:35 AM - 01:40 AM	44.3	56.4	-	n/a	47.3	-
01:40 AM - 01:45 AM	41.9	55.7	-	n/a	44.1	-
01:45 AM - 01:50 AM	42.2	55.6	-	n/a	44.9	-
01:50 AM - 01:55 AM	44.8	56.0	-	n/a	45.2	-
01:55 AM - 02:00 AM	42.1	55.5	-	n/a	45.3	-
02:00 AM - 02:05 AM	48.5	54.6	-	n/a	44.3	-
02:05 AM - 02:10 AM	42.3	50.1	-	n/a	43.4	-
02:10 AM - 02:15 AM	40.4	46.7	-	n/a	43.4	-
02:15 AM - 02:20 AM	40.8	45.5	-	n/a	42.5	-
02:20 AM - 02:25 AM	47.6	46.1	-	45.3	42.8	2.5
02:25 AM - 02:30 AM	41.9	45.0	-	n/a	42.5	-
02:30 AM - 02:35 AM	41.7	43.4	-	n/a	41.2	-
02:35 AM - 02:40 AM	43.4	43.2	-	32.9	40.8	-7.9
02:40 AM - 02:45 AM	40.3	44.4	-	n/a	41.9	-
02:45 AM - 02:50 AM	39.9	45.9	-	n/a	42.3	-
02:50 AM - 02:55 AM	41.3	44.4	-	n/a	41.9	-
02:55 AM - 03:00 AM	41.3	44.4	-	n/a	42.6	-
03:00 AM - 03:05 AM	39.1	48.4	-	n/a	42.0	-
03:05 AM - 03:10 AM	42.6	43.1	-	n/a	41.5	-
03:10 AM - 03:15 AM	43.8	44.7	-	n/a	41.6	-
03:15 AM - 03:20 AM	42.9	45.6	-	n/a	41.6	-
03:20 AM - 03:25 AM	47.2	47.0	-	36.7	41.7	-5.0
03:25 AM - 03:30 AM	48.6	48.8	-	n/a	43.5	-
03:30 AM - 03:35 AM	44.2	47.6	-	n/a	43.3	-
03:35 AM - 03:40 AM	44.0	47.5	-	n/a	42.1	-
03:40 AM - 03:45 AM	41.8	50.4	-	n/a	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: 24124991
Date Received :Dec 23, 2024
Date Reported :Dec 25, 2024
Report Number : 3201352-1

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

Sample No. 24124991-14
Parameter เสียงรบกวน
Location บ้านพักอาศัย หมู่ 2 ซ.มาบยางพร 15 (N2) (GPS 47P 0733648, 1434012)
Measurement Date Dec 21 - 22, 2024
Measurement by Puwanart Pimpan
Sound Level Meter 623392

ระดับเสียง (dB(A))						
เวลา	เสียงจากแหล่งกำเนิด	เสียงขณะไม่มีการรบกวน	เสียงขณะมีการรบกวน		เสียงพื้นฐาน	ค่าระดับการรบกวน
			กลางวัน	กลางคืน		
03:45 AM - 03:50 AM	39.9	49.2	-	n/a	43.8	-
03:50 AM - 03:55 AM	39.0	47.6	-	n/a	42.2	-
03:55 AM - 04:00 AM	43.5	46.3	-	n/a	43.0	-
04:00 AM - 04:05 AM	47.4	46.8	-	41.5	44.2	-2.7
04:05 AM - 04:10 AM	42.0	44.6	-	n/a	41.8	-
04:10 AM - 04:15 AM	41.7	44.1	-	n/a	41.2	-
04:15 AM - 04:20 AM	41.0	43.4	-	n/a	39.9	-
04:20 AM - 04:25 AM	44.0	45.5	-	n/a	40.5	-
04:25 AM - 04:30 AM	42.7	49.6	-	n/a	41.7	-
04:30 AM - 04:35 AM	44.1	50.4	-	n/a	42.1	-
04:35 AM - 04:40 AM	43.1	50.6	-	n/a	42.8	-
04:40 AM - 04:45 AM	42.8	52.0	-	n/a	44.3	-
04:45 AM - 04:50 AM	53.2	49.3	-	53.9	42.2	11.7
04:50 AM - 04:55 AM	60.4	50.2	-	63.0	42.6	20.4
04:55 AM - 05:00 AM	55.3	48.0	-	57.4	41.2	16.2
05:00 AM - 05:05 AM	53.8	45.2	-	56.2	40.7	15.5
05:05 AM - 05:10 AM	48.9	52.5	-	n/a	41.7	-
05:10 AM - 05:15 AM	55.1	60.0	-	n/a	50.8	-
05:15 AM - 05:20 AM	49.1	56.5	-	n/a	46.0	-
05:20 AM - 05:25 AM	47.2	52.6	-	n/a	42.8	-
05:25 AM - 05:30 AM	47.2	46.4	-	42.5	41.4	1.1
05:30 AM - 05:35 AM	47.2	45.9	-	44.3	41.7	2.6
05:35 AM - 05:40 AM	53.7	45.3	-	56.0	39.2	16.8
05:40 AM - 05:45 AM	52.2	49.8	-	51.5	42.3	9.2
05:45 AM - 05:50 AM	50.4	45.3	-	51.8	39.7	12.1
05:50 AM - 05:55 AM	53.9	51.1	-	53.7	42.0	11.7
05:55 AM - 06:00 AM	53.9	55.8	-	n/a	43.5	-
06:00 AM - 07:00 AM	55.0	52.0	52.0	-	45.0	7.0
07:00 AM - 08:00 AM	56.5	55.1	50.9	-	47.4	3.5
08:00 AM - 09:00 AM	61.0	60.5	51.4	-	51.4	0.0
09:00 AM - 10:00 AM	64.0	63.5	54.4	-	59.7	-5.3
10:00 AM - 11:00 AM	63.1	62.6	53.5	-	57.0	-3.5
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 21-22 ธันวาคม 2567
2. ระดับเสียงพื้นฐานและระดับเสียงขณะไม่มีการรบกวน (Sample No.24124992-14 วันที่ตรวจวัด 21-22 ธันวาคม 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: 24124992
Date Received :Dec 23, 2024
Date Reported :Dec 25, 2024
Report No. : 3201447-1

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

Sample No. 24124992-1
Parameter Noise
Location บ้านวังตาลหม่อน (N1) (GPS 47P 0734051, 1432155) (จุดอ้างอิง) (Shut down)
Measurement Date Dec 15 - 16, 2024
Measurement by Puwanart Pimpan
Sound Level Meter 623394

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:00 PM - 01:00 PM	52.1	76.9	44.6
01:00 PM - 02:00 PM	51.2	68.5	44.2
02:00 PM - 03:00 PM	51.4	69.1	44.3
03:00 PM - 04:00 PM	52.0	74.0	44.5
04:00 PM - 05:00 PM	53.2	85.7	45.8
05:00 PM - 06:00 PM	54.0	81.3	46.8
06:00 PM - 07:00 PM	53.2	73.6	44.3
07:00 PM - 08:00 PM	51.4	71.3	42.8
08:00 PM - 09:00 PM	50.6	68.2	43.9
09:00 PM - 10:00 PM	49.4	68.1	41.9
10:00 PM - 10:05 PM	51.6	70.6	42.4
10:05 PM - 10:10 PM	46.8	58.2	39.9
10:10 PM - 10:15 PM	50.5	67.2	40.6
10:15 PM - 10:20 PM	46.5	57.5	40.1
10:20 PM - 10:25 PM	52.0	73.0	41.2
10:25 PM - 10:30 PM	45.0	56.2	37.9
10:30 PM - 10:35 PM	45.4	53.9	37.5
10:35 PM - 10:40 PM	47.0	61.4	40.3
10:40 PM - 10:45 PM	46.1	57.1	40.0
10:45 PM - 10:50 PM	46.7	59.3	39.1
10:50 PM - 10:55 PM	46.0	62.5	39.9
10:55 PM - 11:00 PM	43.2	55.2	36.7
11:00 PM - 11:05 PM	46.2	57.7	38.7
11:05 PM - 11:10 PM	47.1	58.4	38.0
11:10 PM - 11:15 PM	44.1	55.0	38.6
11:15 PM - 11:20 PM	45.2	54.7	38.3
11:20 PM - 11:25 PM	45.8	54.3	39.6
11:25 PM - 11:30 PM	44.7	53.5	38.7
11:30 PM - 11:35 PM	44.6	56.1	39.9
11:35 PM - 11:40 PM	43.7	56.9	37.9
11:40 PM - 11:45 PM	43.4	54.1	36.7
11:45 PM - 11:50 PM	47.2	60.8	38.2
11:50 PM - 11:55 PM	41.8	54.9	36.3
11:55 PM - 12:00 AM	46.7	62.1	36.7
12:00 AM - 12:05 AM	40.5	54.7	34.6
12:05 AM - 12:10 AM	44.8	58.2	34.5
12:10 AM - 12:15 AM	43.7	56.7	35.5
12:15 AM - 12:20 AM	39.5	51.0	35.0
12:20 AM - 12:25 AM	48.8	61.1	37.0
12:25 AM - 12:30 AM	46.7	60.2	36.1

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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: 24124992
Date Received :Dec 23, 2024
Date Reported :Dec 25, 2024
Report No. : 3201447-1

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

Sample No. 24124992-1
Parameter Noise
Location บ้านวังตาลหม่อน (N1) (GPS 47P 0734051, 1432155) (จุดอ้างอิง) (Shut down)
Measurement Date Dec 15 - 16, 2024
Measurement by Puwanart Pimpan
Sound Level Meter 623394

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:30 AM - 12:35 AM	43.0	56.0	36.1
12:35 AM - 12:40 AM	44.7	59.1	35.6
12:40 AM - 12:45 AM	44.9	58.5	37.1
12:45 AM - 12:50 AM	43.6	54.6	36.2
12:50 AM - 12:55 AM	39.9	54.4	35.6
12:55 AM - 01:00 AM	44.9	58.7	36.0
01:00 AM - 01:05 AM	41.2	54.2	35.2
01:05 AM - 01:10 AM	39.0	54.9	34.0
01:10 AM - 01:15 AM	44.3	59.4	34.2
01:15 AM - 01:20 AM	42.1	60.4	33.4
01:20 AM - 01:25 AM	37.7	49.1	33.3
01:25 AM - 01:30 AM	52.3	67.6	34.9
01:30 AM - 01:35 AM	54.8	72.6	32.7
01:35 AM - 01:40 AM	43.0	55.5	33.8
01:40 AM - 01:45 AM	41.9	55.1	33.8
01:45 AM - 01:50 AM	43.9	54.7	35.8
01:50 AM - 01:55 AM	39.9	51.8	34.8
01:55 AM - 02:00 AM	37.5	46.0	35.2
02:00 AM - 02:05 AM	41.9	51.2	36.3
02:05 AM - 02:10 AM	43.5	57.3	34.7
02:10 AM - 02:15 AM	38.6	48.8	35.4
02:15 AM - 02:20 AM	36.9	51.0	34.5
02:20 AM - 02:25 AM	38.3	50.7	34.1
02:25 AM - 02:30 AM	45.2	58.0	35.0
02:30 AM - 02:35 AM	42.3	56.3	34.2
02:35 AM - 02:40 AM	39.8	53.9	33.2
02:40 AM - 02:45 AM	35.0	44.8	32.9
02:45 AM - 02:50 AM	42.7	55.3	33.2
02:50 AM - 02:55 AM	46.5	63.6	34.2
02:55 AM - 03:00 AM	40.2	57.9	34.1
03:00 AM - 03:05 AM	37.9	51.4	34.2
03:05 AM - 03:10 AM	39.4	51.8	34.1
03:10 AM - 03:15 AM	42.4	58.6	33.9
03:15 AM - 03:20 AM	41.2	55.9	32.8
03:20 AM - 03:25 AM	38.0	58.8	32.8
03:25 AM - 03:30 AM	42.9	59.6	33.0
03:30 AM - 03:35 AM	35.4	50.3	33.2
03:35 AM - 03:40 AM	37.8	47.8	34.3
03:40 AM - 03:45 AM	41.8	58.7	34.8
03:45 AM - 03:50 AM	52.6	67.3	36.0

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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: 24124992
Date Received :Dec 23, 2024
Date Reported :Dec 25, 2024
Report No. : 3201447-1

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

Sample No. 24124992-1
Parameter Noise
Location บ้านวังตาลหม่อน (N1) (GPS 47P 0734051, 1432155) (จุดอ้างอิง) (Shut down)
Measurement Date Dec 15 - 16, 2024
Measurement by Puwanart Pimpan
Sound Level Meter 623394

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:50 AM - 03:55 AM	49.8	62.1	35.9
03:55 AM - 04:00 AM	41.1	54.3	35.2
04:00 AM - 04:05 AM	40.0	53.3	33.3
04:05 AM - 04:10 AM	37.4	49.0	33.3
04:10 AM - 04:15 AM	35.1	40.5	33.4
04:15 AM - 04:20 AM	42.6	56.2	34.2
04:20 AM - 04:25 AM	50.6	70.3	36.4
04:25 AM - 04:30 AM	41.7	56.4	35.1
04:30 AM - 04:35 AM	42.2	55.6	34.6
04:35 AM - 04:40 AM	44.9	57.3	35.3
04:40 AM - 04:45 AM	42.7	56.6	34.8
04:45 AM - 04:50 AM	43.3	55.5	35.5
04:50 AM - 04:55 AM	43.1	55.9	35.4
04:55 AM - 05:00 AM	39.1	52.3	34.3
05:00 AM - 05:05 AM	44.7	57.2	33.9
05:05 AM - 05:10 AM	43.7	56.5	34.6
05:10 AM - 05:15 AM	44.6	56.0	34.4
05:15 AM - 05:20 AM	52.6	74.7	36.1
05:20 AM - 05:25 AM	48.4	68.6	35.3
05:25 AM - 05:30 AM	48.0	72.7	36.0
05:30 AM - 05:35 AM	45.8	55.5	37.1
05:35 AM - 05:40 AM	47.9	57.2	41.3
05:40 AM - 05:45 AM	50.5	63.1	40.2
05:45 AM - 05:50 AM	50.4	64.1	42.8
05:50 AM - 05:55 AM	48.7	63.2	40.1
05:55 AM - 06:00 AM	47.7	64.0	40.9
06:00 AM - 07:00 AM	53.1	74.2	44.5
07:00 AM - 08:00 AM	56.6	82.1	49.7
08:00 AM - 09:00 AM	53.4	73.6	48.3
09:00 AM - 10:00 AM	53.0	69.2	47.6
10:00 AM - 11:00 AM	53.6	69.5	47.4
11:00 AM - 12:00 PM	52.7	68.8	45.5

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

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

Lot ID: 24124992
Date Received :Dec 23, 2024
Date Reported :Dec 25, 2024
Report No. : 3201448-1

Sample No. 24124992-2
Parameter Noise
Location บ้านวังตาลหม่อน (N1) (GPS 47P 0734051, 1432155) (จุดอ้างอิง) (Shut down)
Measurement Date Dec 16 - 17, 2024
Measurement by Puwanart Pimpan
Sound Level Meter 623394

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:00 PM - 01:00 PM	51.6	68.4	43.7
01:00 PM - 02:00 PM	54.8	73.6	45.2
02:00 PM - 03:00 PM	51.2	68.8	44.0
03:00 PM - 04:00 PM	50.7	65.2	42.4
04:00 PM - 05:00 PM	52.4	73.1	45.1
05:00 PM - 06:00 PM	56.7	71.6	47.2
06:00 PM - 07:00 PM	51.9	67.9	44.2
07:00 PM - 08:00 PM	50.3	66.0	42.5
08:00 PM - 09:00 PM	51.7	75.3	43.3
09:00 PM - 10:00 PM	50.0	72.4	40.8
10:00 PM - 10:05 PM	45.5	60.7	38.8
10:05 PM - 10:10 PM	48.2	59.0	40.2
10:10 PM - 10:15 PM	46.6	62.3	38.7
10:15 PM - 10:20 PM	47.7	57.2	39.4
10:20 PM - 10:25 PM	50.1	65.6	38.8
10:25 PM - 10:30 PM	46.4	60.5	38.6
10:30 PM - 10:35 PM	47.9	58.7	40.5
10:35 PM - 10:40 PM	46.5	58.8	39.1
10:40 PM - 10:45 PM	54.1	71.6	38.0
10:45 PM - 10:50 PM	48.4	64.3	36.7
10:50 PM - 10:55 PM	49.8	63.5	38.2
10:55 PM - 11:00 PM	44.8	60.2	36.0
11:00 PM - 11:05 PM	63.0	76.6	36.4
11:05 PM - 11:10 PM	45.7	56.2	36.7
11:10 PM - 11:15 PM	46.1	56.8	36.9
11:15 PM - 11:20 PM	45.7	57.7	36.0
11:20 PM - 11:25 PM	56.7	74.8	36.1
11:25 PM - 11:30 PM	36.9	48.1	34.7
11:30 PM - 11:35 PM	47.5	59.3	35.2
11:35 PM - 11:40 PM	41.5	53.7	35.3
11:40 PM - 11:45 PM	43.5	60.5	35.2
11:45 PM - 11:50 PM	42.1	57.2	34.5
11:50 PM - 11:55 PM	47.7	63.2	34.5
11:55 PM - 12:00 AM	40.4	51.9	34.5
12:00 AM - 12:05 AM	43.9	69.6	33.8
12:05 AM - 12:10 AM	43.4	61.2	34.4
12:10 AM - 12:15 AM	43.2	59.6	35.2
12:15 AM - 12:20 AM	39.5	52.3	34.9
12:20 AM - 12:25 AM	40.8	57.6	34.5
12:25 AM - 12:30 AM	45.3	56.9	35.3

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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: 24124992
Date Received :Dec 23, 2024
Date Reported :Dec 25, 2024
Report No. : 3201448-1

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

Sample No. 24124992-2
Parameter Noise
Location บ้านวังตาลหม่อน (N1) (GPS 47P 0734051, 1432155) (จุดอ้างอิง) (Shut down)
Measurement Date Dec 16 - 17, 2024
Measurement by Puwanart Pimpan
Sound Level Meter 623394

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:30 AM - 12:35 AM	44.3	58.1	35.3
12:35 AM - 12:40 AM	40.4	54.4	34.5
12:40 AM - 12:45 AM	41.3	54.2	34.2
12:45 AM - 12:50 AM	44.9	61.3	34.7
12:50 AM - 12:55 AM	40.4	53.8	33.7
12:55 AM - 01:00 AM	42.3	57.9	34.7
01:00 AM - 01:05 AM	47.6	62.3	35.1
01:05 AM - 01:10 AM	43.9	57.8	34.2
01:10 AM - 01:15 AM	40.4	55.0	33.0
01:15 AM - 01:20 AM	39.0	54.1	33.3
01:20 AM - 01:25 AM	40.9	63.8	33.5
01:25 AM - 01:30 AM	57.9	77.5	33.7
01:30 AM - 01:35 AM	45.5	61.7	35.4
01:35 AM - 01:40 AM	44.9	57.5	35.3
01:40 AM - 01:45 AM	37.8	51.2	33.3
01:45 AM - 01:50 AM	35.2	45.2	33.4
01:50 AM - 01:55 AM	44.5	62.6	33.5
01:55 AM - 02:00 AM	45.3	62.9	33.0
02:00 AM - 02:05 AM	45.4	62.9	33.4
02:05 AM - 02:10 AM	36.7	48.9	32.5
02:10 AM - 02:15 AM	47.4	63.4	33.6
02:15 AM - 02:20 AM	42.0	62.4	33.7
02:20 AM - 02:25 AM	43.4	58.8	33.9
02:25 AM - 02:30 AM	42.8	57.0	34.1
02:30 AM - 02:35 AM	46.3	62.7	33.8
02:35 AM - 02:40 AM	41.9	58.6	34.1
02:40 AM - 02:45 AM	38.5	52.3	33.4
02:45 AM - 02:50 AM	45.4	62.7	34.1
02:50 AM - 02:55 AM	37.2	50.4	33.8
02:55 AM - 03:00 AM	47.8	74.5	34.2
03:00 AM - 03:05 AM	40.4	53.3	33.7
03:05 AM - 03:10 AM	42.1	57.3	33.1
03:10 AM - 03:15 AM	37.7	57.6	33.3
03:15 AM - 03:20 AM	48.1	69.8	33.4
03:20 AM - 03:25 AM	35.2	46.5	32.6
03:25 AM - 03:30 AM	34.5	43.1	33.0
03:30 AM - 03:35 AM	40.5	55.8	33.2
03:35 AM - 03:40 AM	45.2	59.3	34.0
03:40 AM - 03:45 AM	44.6	57.5	32.7
03:45 AM - 03:50 AM	36.2	44.9	34.4

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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: 24124992
Date Received :Dec 23, 2024
Date Reported :Dec 25, 2024
Report No. : 3201448-1

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

Sample No. 24124992-2
Parameter Noise
Location บ้านวังตาลหม่อน (N1) (GPS 47P 0734051, 1432155) (จุดอ้างอิง) (Shut down)
Measurement Date Dec 16 - 17, 2024
Measurement by Puwanart Pimpan
Sound Level Meter 623394

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:50 AM - 03:55 AM	39.8	56.0	34.8
03:55 AM - 04:00 AM	39.3	52.9	35.1
04:00 AM - 04:05 AM	41.2	54.6	35.1
04:05 AM - 04:10 AM	36.6	42.1	35.1
04:10 AM - 04:15 AM	38.1	47.8	35.3
04:15 AM - 04:20 AM	43.7	58.9	35.8
04:20 AM - 04:25 AM	45.5	58.7	35.5
04:25 AM - 04:30 AM	41.6	53.6	34.9
04:30 AM - 04:35 AM	40.8	52.0	36.0
04:35 AM - 04:40 AM	40.1	52.3	36.2
04:40 AM - 04:45 AM	44.6	55.7	36.1
04:45 AM - 04:50 AM	44.9	56.3	35.8
04:50 AM - 04:55 AM	41.6	53.7	35.7
04:55 AM - 05:00 AM	43.5	55.9	35.9
05:00 AM - 05:05 AM	47.2	62.9	35.5
05:05 AM - 05:10 AM	44.3	57.8	36.6
05:10 AM - 05:15 AM	45.2	57.0	36.6
05:15 AM - 05:20 AM	42.7	55.5	36.0
05:20 AM - 05:25 AM	46.8	57.3	37.4
05:25 AM - 05:30 AM	46.7	57.2	36.6
05:30 AM - 05:35 AM	46.3	57.8	37.1
05:35 AM - 05:40 AM	50.4	68.8	40.1
05:40 AM - 05:45 AM	45.1	55.5	38.6
05:45 AM - 05:50 AM	49.1	59.5	40.5
05:50 AM - 05:55 AM	49.5	61.4	39.2
05:55 AM - 06:00 AM	53.4	69.2	40.7
06:00 AM - 07:00 AM	52.0	72.4	44.2
07:00 AM - 08:00 AM	56.0	79.4	49.9
08:00 AM - 09:00 AM	54.0	71.0	47.6
09:00 AM - 10:00 AM	53.1	72.9	45.7
10:00 AM - 11:00 AM	51.7	66.4	44.6
11:00 AM - 12:00 PM	52.0	69.1	45.5

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: 24124992
Date Received :Dec 23, 2024
Date Reported :Dec 25, 2024
Report No. : 3201449-1

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

Sample No. 24124992-3
Parameter Noise
Location บ้านวังตาลหม่อน (N1) (GPS 47P 0734051, 1432155) (จุดอ้างอิง) (Shut down)
Measurement Date Dec 17 - 18, 2024
Measurement by Puwanart Pimpan
Sound Level Meter 623394

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:00 PM - 01:00 PM	50.8	65.9	42.9
01:00 PM - 02:00 PM	50.8	65.9	43.3
02:00 PM - 03:00 PM	51.5	69.3	42.9
03:00 PM - 04:00 PM	51.4	70.4	44.6
04:00 PM - 05:00 PM	53.4	76.5	45.1
05:00 PM - 06:00 PM	53.8	71.7	45.7
06:00 PM - 07:00 PM	52.4	72.4	44.9
07:00 PM - 08:00 PM	51.1	65.9	43.4
08:00 PM - 09:00 PM	50.9	69.4	43.9
09:00 PM - 10:00 PM	49.0	62.8	40.5
10:00 PM - 10:05 PM	44.5	58.9	36.9
10:05 PM - 10:10 PM	48.5	57.2	39.3
10:10 PM - 10:15 PM	46.5	57.2	37.2
10:15 PM - 10:20 PM	51.4	68.2	38.5
10:20 PM - 10:25 PM	49.6	63.3	38.0
10:25 PM - 10:30 PM	47.2	59.0	38.8
10:30 PM - 10:35 PM	44.8	57.3	37.8
10:35 PM - 10:40 PM	45.4	55.0	38.3
10:40 PM - 10:45 PM	46.7	55.7	38.4
10:45 PM - 10:50 PM	50.6	74.4	38.2
10:50 PM - 10:55 PM	46.3	57.8	37.4
10:55 PM - 11:00 PM	46.2	59.7	36.8
11:00 PM - 11:05 PM	48.5	60.5	37.2
11:05 PM - 11:10 PM	48.0	58.7	36.9
11:10 PM - 11:15 PM	47.4	62.7	36.3
11:15 PM - 11:20 PM	45.3	63.0	35.5
11:20 PM - 11:25 PM	48.3	65.1	35.2
11:25 PM - 11:30 PM	40.2	49.4	35.2
11:30 PM - 11:35 PM	42.0	55.7	35.7
11:35 PM - 11:40 PM	47.2	61.9	35.8
11:40 PM - 11:45 PM	47.1	61.7	35.7
11:45 PM - 11:50 PM	43.3	53.1	36.1
11:50 PM - 11:55 PM	45.8	60.0	36.3
11:55 PM - 12:00 AM	43.2	58.2	35.0
12:00 AM - 12:05 AM	43.3	54.0	35.2
12:05 AM - 12:10 AM	44.6	57.3	35.5
12:10 AM - 12:15 AM	45.0	57.9	35.0
12:15 AM - 12:20 AM	47.9	62.6	35.6
12:20 AM - 12:25 AM	46.8	60.3	35.2
12:25 AM - 12:30 AM	44.0	56.6	34.0

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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: 24124992
Date Received :Dec 23, 2024
Date Reported :Dec 25, 2024
Report No. : 3201449-1

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

Sample No. 24124992-3
Parameter Noise
Location บ้านวังตาลหม่อน (N1) (GPS 47P 0734051, 1432155) (จุดอ้างอิง) (Shut down)
Measurement Date Dec 17 - 18, 2024
Measurement by Puwanart Pimpan
Sound Level Meter 623394

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:30 AM - 12:35 AM	43.6	57.7	34.6
12:35 AM - 12:40 AM	47.2	71.0	34.5
12:40 AM - 12:45 AM	46.5	57.9	35.3
12:45 AM - 12:50 AM	49.8	67.8	35.6
12:50 AM - 12:55 AM	58.3	73.8	37.3
12:55 AM - 01:00 AM	59.7	81.7	35.9
01:00 AM - 01:05 AM	46.7	62.3	34.0
01:05 AM - 01:10 AM	48.0	61.8	35.5
01:10 AM - 01:15 AM	44.2	60.0	33.9
01:15 AM - 01:20 AM	34.6	38.1	33.7
01:20 AM - 01:25 AM	43.0	53.3	34.6
01:25 AM - 01:30 AM	43.3	59.5	34.5
01:30 AM - 01:35 AM	41.1	57.4	34.6
01:35 AM - 01:40 AM	43.6	54.0	35.3
01:40 AM - 01:45 AM	52.6	76.4	35.1
01:45 AM - 01:50 AM	60.9	78.0	34.6
01:50 AM - 01:55 AM	36.2	50.7	34.6
01:55 AM - 02:00 AM	69.8	97.6	35.7
02:00 AM - 02:05 AM	43.3	64.5	35.4
02:05 AM - 02:10 AM	47.3	67.8	34.9
02:10 AM - 02:15 AM	36.6	44.4	35.2
02:15 AM - 02:20 AM	42.2	66.6	35.1
02:20 AM - 02:25 AM	59.8	78.6	36.0
02:25 AM - 02:30 AM	55.9	71.9	36.0
02:30 AM - 02:35 AM	54.0	73.4	34.6
02:35 AM - 02:40 AM	46.8	64.7	35.3
02:40 AM - 02:45 AM	64.6	84.4	38.0
02:45 AM - 02:50 AM	59.6	78.2	34.1
02:50 AM - 02:55 AM	61.6	77.2	34.1
02:55 AM - 03:00 AM	51.5	73.0	33.8
03:00 AM - 03:05 AM	41.1	63.6	34.3
03:05 AM - 03:10 AM	43.3	58.7	34.4
03:10 AM - 03:15 AM	40.9	53.1	34.0
03:15 AM - 03:20 AM	37.7	49.9	34.1
03:20 AM - 03:25 AM	40.0	55.4	34.4
03:25 AM - 03:30 AM	51.4	64.4	34.7
03:30 AM - 03:35 AM	45.6	59.3	34.8
03:35 AM - 03:40 AM	40.3	55.5	34.6
03:40 AM - 03:45 AM	39.8	52.2	34.4
03:45 AM - 03:50 AM	40.1	51.7	34.5

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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: 24124992
Date Received :Dec 23, 2024
Date Reported :Dec 25, 2024
Report No. : 3201449-1

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

Sample No. 24124992-3
Parameter Noise
Location บ้านวังตาลหม่อน (N1) (GPS 47P 0734051, 1432155) (จุดอ้างอิง) (Shut down)
Measurement Date Dec 17 - 18, 2024
Measurement by Puwanart Pimpan
Sound Level Meter 623394

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:50 AM - 03:55 AM	51.3	69.8	35.2
03:55 AM - 04:00 AM	38.9	52.3	34.5
04:00 AM - 04:05 AM	38.7	50.2	34.3
04:05 AM - 04:10 AM	37.4	51.3	34.9
04:10 AM - 04:15 AM	38.0	48.7	34.5
04:15 AM - 04:20 AM	45.4	64.4	35.6
04:20 AM - 04:25 AM	46.5	65.4	36.0
04:25 AM - 04:30 AM	40.9	53.8	36.7
04:30 AM - 04:35 AM	46.7	61.6	36.1
04:35 AM - 04:40 AM	41.5	56.0	35.3
04:40 AM - 04:45 AM	40.3	53.3	35.8
04:45 AM - 04:50 AM	44.2	56.4	35.9
04:50 AM - 04:55 AM	43.1	53.9	36.9
04:55 AM - 05:00 AM	41.9	51.9	36.2
05:00 AM - 05:05 AM	47.8	63.0	37.0
05:05 AM - 05:10 AM	48.1	57.6	37.7
05:10 AM - 05:15 AM	45.8	53.8	37.5
05:15 AM - 05:20 AM	45.6	55.1	37.3
05:20 AM - 05:25 AM	46.9	56.3	37.5
05:25 AM - 05:30 AM	52.2	71.0	39.1
05:30 AM - 05:35 AM	46.2	58.0	37.1
05:35 AM - 05:40 AM	49.3	61.3	39.2
05:40 AM - 05:45 AM	47.2	57.8	38.1
05:45 AM - 05:50 AM	50.3	61.5	39.6
05:50 AM - 05:55 AM	51.9	69.3	42.1
05:55 AM - 06:00 AM	59.3	73.1	45.6
06:00 AM - 07:00 AM	55.0	78.8	45.2
07:00 AM - 08:00 AM	55.6	74.8	50.2
08:00 AM - 09:00 AM	53.9	69.7	47.5
09:00 AM - 10:00 AM	52.6	66.5	45.9
10:00 AM - 11:00 AM	52.0	66.5	45.8
11:00 AM - 12:00 PM	51.7	70.9	45.2

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

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

Lot ID: 24124992
Date Received :Dec 23, 2024
Date Reported :Dec 25, 2024
Report No. : 3201450-1

Sample No. 24124992-4
Parameter Noise
Location บ้านวังตาลหม่อน (N1) (GPS 47P 0734051, 1432155) (จุดอ้างอิง) (Shut down)
Measurement Date Dec 18 - 19, 2024
Measurement by Puwanart Pimpan
Sound Level Meter 623394

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:00 PM - 01:00 PM	50.6	65.4	43.7
01:00 PM - 02:00 PM	52.4	71.3	46.1
02:00 PM - 03:00 PM	52.8	77.7	45.1
03:00 PM - 04:00 PM	53.4	70.4	48.4
04:00 PM - 05:00 PM	57.2	78.8	46.0
05:00 PM - 06:00 PM	53.5	70.2	46.6
06:00 PM - 07:00 PM	51.5	68.4	43.7
07:00 PM - 08:00 PM	53.6	75.0	48.2
08:00 PM - 09:00 PM	52.6	71.9	47.4
09:00 PM - 10:00 PM	48.9	63.3	40.5
10:00 PM - 10:05 PM	47.0	61.7	39.3
10:05 PM - 10:10 PM	47.5	59.7	39.6
10:10 PM - 10:15 PM	47.0	57.5	39.2
10:15 PM - 10:20 PM	48.0	59.2	38.6
10:20 PM - 10:25 PM	47.9	61.2	39.1
10:25 PM - 10:30 PM	46.5	56.7	39.0
10:30 PM - 10:35 PM	45.9	55.0	38.2
10:35 PM - 10:40 PM	47.2	60.1	37.8
10:40 PM - 10:45 PM	49.0	62.5	37.0
10:45 PM - 10:50 PM	47.5	59.1	38.4
10:50 PM - 10:55 PM	44.5	57.7	36.8
10:55 PM - 11:00 PM	48.7	65.2	36.6
11:00 PM - 11:05 PM	47.9	63.2	36.7
11:05 PM - 11:10 PM	56.6	76.3	37.0
11:10 PM - 11:15 PM	48.3	65.6	37.4
11:15 PM - 11:20 PM	48.4	62.5	39.7
11:20 PM - 11:25 PM	46.5	61.3	39.5
11:25 PM - 11:30 PM	46.2	58.0	39.9
11:30 PM - 11:35 PM	48.5	66.4	40.4
11:35 PM - 11:40 PM	46.3	66.5	38.8
11:40 PM - 11:45 PM	44.2	58.6	37.8
11:45 PM - 11:50 PM	44.8	57.7	38.5
11:50 PM - 11:55 PM	44.0	55.2	38.2
11:55 PM - 12:00 AM	44.1	56.5	38.2
12:00 AM - 12:05 AM	46.0	57.0	38.2
12:05 AM - 12:10 AM	48.5	63.9	37.8
12:10 AM - 12:15 AM	43.5	53.8	37.4
12:15 AM - 12:20 AM	43.6	57.1	36.8
12:20 AM - 12:25 AM	42.7	54.5	36.9
12:25 AM - 12:30 AM	46.7	62.2	37.7

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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: 24124992
Date Received :Dec 23, 2024
Date Reported :Dec 25, 2024
Report No. : 3201450-1

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

Sample No. 24124992-4
Parameter Noise
Location บ้านวังตาลหม่อน (N1) (GPS 47P 0734051, 1432155) (จุดอ้างอิง) (Shut down)
Measurement Date Dec 18 - 19, 2024
Measurement by Puwanart Pimpan
Sound Level Meter 623394

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:30 AM - 12:35 AM	50.8	69.6	39.0
12:35 AM - 12:40 AM	41.6	54.9	37.5
12:40 AM - 12:45 AM	40.6	54.1	37.7
12:45 AM - 12:50 AM	43.3	57.0	37.5
12:50 AM - 12:55 AM	43.6	53.8	37.4
12:55 AM - 01:00 AM	42.8	54.6	38.0
01:00 AM - 01:05 AM	41.0	54.2	36.4
01:05 AM - 01:10 AM	44.3	58.9	37.9
01:10 AM - 01:15 AM	44.8	58.7	37.7
01:15 AM - 01:20 AM	41.5	64.5	36.8
01:20 AM - 01:25 AM	45.8	61.2	36.7
01:25 AM - 01:30 AM	41.9	55.2	35.4
01:30 AM - 01:35 AM	54.9	77.6	35.4
01:35 AM - 01:40 AM	43.5	57.6	36.2
01:40 AM - 01:45 AM	40.3	60.7	36.0
01:45 AM - 01:50 AM	43.2	57.4	35.9
01:50 AM - 01:55 AM	48.3	59.9	35.4
01:55 AM - 02:00 AM	49.6	66.9	34.9
02:00 AM - 02:05 AM	44.7	64.7	35.0
02:05 AM - 02:10 AM	36.2	55.0	34.5
02:10 AM - 02:15 AM	41.7	61.2	34.9
02:15 AM - 02:20 AM	43.8	56.7	34.8
02:20 AM - 02:25 AM	39.6	58.6	34.9
02:25 AM - 02:30 AM	43.1	58.0	34.8
02:30 AM - 02:35 AM	40.5	55.3	35.1
02:35 AM - 02:40 AM	39.2	53.3	34.6
02:40 AM - 02:45 AM	36.8	48.1	34.7
02:45 AM - 02:50 AM	41.7	55.7	34.4
02:50 AM - 02:55 AM	35.0	47.7	33.8
02:55 AM - 03:00 AM	41.4	54.8	34.3
03:00 AM - 03:05 AM	37.6	51.6	34.1
03:05 AM - 03:10 AM	45.6	62.9	34.2
03:10 AM - 03:15 AM	39.0	51.5	34.7
03:15 AM - 03:20 AM	54.8	74.2	34.6
03:20 AM - 03:25 AM	42.1	54.9	35.1
03:25 AM - 03:30 AM	45.3	58.4	35.7
03:30 AM - 03:35 AM	41.1	53.1	34.6
03:35 AM - 03:40 AM	43.1	56.0	35.1
03:40 AM - 03:45 AM	50.6	74.2	34.6
03:45 AM - 03:50 AM	35.5	49.5	34.4

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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: 24124992
Date Received :Dec 23, 2024
Date Reported :Dec 25, 2024
Report No. : 3201450-1

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

Sample No. 24124992-4
Parameter Noise
Location บ้านวังตาลหม่อน (N1) (GPS 47P 0734051, 1432155) (จุดอ้างอิง) (Shut down)
Measurement Date Dec 18 - 19, 2024
Measurement by Puwanart Pimpan
Sound Level Meter 623394

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:50 AM - 03:55 AM	42.9	57.4	35.0
03:55 AM - 04:00 AM	43.4	59.2	35.5
04:00 AM - 04:05 AM	53.8	75.3	35.0
04:05 AM - 04:10 AM	39.8	52.5	35.2
04:10 AM - 04:15 AM	41.4	58.1	34.8
04:15 AM - 04:20 AM	37.1	46.2	35.2
04:20 AM - 04:25 AM	38.7	52.1	35.4
04:25 AM - 04:30 AM	41.9	53.5	35.1
04:30 AM - 04:35 AM	42.6	54.1	35.7
04:35 AM - 04:40 AM	44.3	57.6	36.4
04:40 AM - 04:45 AM	43.5	56.9	36.2
04:45 AM - 04:50 AM	44.4	57.7	36.4
04:50 AM - 04:55 AM	39.5	48.8	36.0
04:55 AM - 05:00 AM	43.9	57.6	37.1
05:00 AM - 05:05 AM	47.3	61.8	38.4
05:05 AM - 05:10 AM	47.0	58.6	39.0
05:10 AM - 05:15 AM	44.2	57.6	38.6
05:15 AM - 05:20 AM	47.0	59.3	38.8
05:20 AM - 05:25 AM	47.0	62.2	37.7
05:25 AM - 05:30 AM	45.8	59.8	38.2
05:30 AM - 05:35 AM	50.3	67.1	37.8
05:35 AM - 05:40 AM	46.9	56.9	38.9
05:40 AM - 05:45 AM	48.2	60.0	38.2
05:45 AM - 05:50 AM	51.3	62.8	38.8
05:50 AM - 05:55 AM	47.5	59.0	39.9
05:55 AM - 06:00 AM	49.5	61.4	41.2
06:00 AM - 07:00 AM	53.0	78.1	44.6
07:00 AM - 08:00 AM	55.4	82.1	49.6
08:00 AM - 09:00 AM	56.1	77.8	49.0
09:00 AM - 10:00 AM	54.0	69.7	48.9
10:00 AM - 11:00 AM	54.5	73.9	49.7
11:00 AM - 12:00 PM	54.3	74.1	49.1

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

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

Lot ID: 24124992
Date Received :Dec 23, 2024
Date Reported :Dec 25, 2024
Report No. : 3201451-1

Sample No. 24124992-5
Parameter Noise
Location บ้านวังตาลหม่อน (N1) (GPS 47P 0734051, 1432155) (จุดอ้างอิง) (Shut down)
Measurement Date Dec 19 - 20, 2024
Measurement by Puwanart Pimpan
Sound Level Meter 623394

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:00 PM - 01:00 PM	53.1	73.4	46.7
01:00 PM - 02:00 PM	52.0	67.4	45.9
02:00 PM - 03:00 PM	54.7	82.6	44.8
03:00 PM - 04:00 PM	53.1	75.0	45.6
04:00 PM - 05:00 PM	52.3	70.9	44.9
05:00 PM - 06:00 PM	54.4	77.9	47.5
06:00 PM - 07:00 PM	53.9	76.5	45.1
07:00 PM - 08:00 PM	51.0	73.4	43.0
08:00 PM - 09:00 PM	51.0	65.8	44.2
09:00 PM - 10:00 PM	50.9	75.6	40.1
10:00 PM - 10:05 PM	47.9	65.1	36.8
10:05 PM - 10:10 PM	46.8	58.6	38.5
10:10 PM - 10:15 PM	49.3	61.8	39.3
10:15 PM - 10:20 PM	47.3	56.1	39.4
10:20 PM - 10:25 PM	46.7	58.0	38.5
10:25 PM - 10:30 PM	44.4	57.0	38.1
10:30 PM - 10:35 PM	44.7	55.8	37.1
10:35 PM - 10:40 PM	44.0	53.9	38.3
10:40 PM - 10:45 PM	46.0	56.0	37.6
10:45 PM - 10:50 PM	50.6	64.0	37.8
10:50 PM - 10:55 PM	45.3	58.1	36.0
10:55 PM - 11:00 PM	42.1	56.3	36.4
11:00 PM - 11:05 PM	46.6	59.3	37.6
11:05 PM - 11:10 PM	42.0	54.1	35.8
11:10 PM - 11:15 PM	44.0	57.6	36.3
11:15 PM - 11:20 PM	46.9	56.7	37.8
11:20 PM - 11:25 PM	42.3	53.6	37.0
11:25 PM - 11:30 PM	45.0	58.5	36.3
11:30 PM - 11:35 PM	45.0	66.2	37.4
11:35 PM - 11:40 PM	47.6	59.3	38.6
11:40 PM - 11:45 PM	43.4	58.5	36.6
11:45 PM - 11:50 PM	54.4	78.5	37.7
11:50 PM - 11:55 PM	40.1	52.1	36.2
11:55 PM - 12:00 AM	46.6	57.2	37.8
12:00 AM - 12:05 AM	44.9	58.2	36.4
12:05 AM - 12:10 AM	44.0	58.4	36.3
12:10 AM - 12:15 AM	53.5	75.2	36.3
12:15 AM - 12:20 AM	48.8	69.7	36.8
12:20 AM - 12:25 AM	61.2	78.1	36.3
12:25 AM - 12:30 AM	43.0	59.7	36.5

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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: 24124992
Date Received :Dec 23, 2024
Date Reported :Dec 25, 2024
Report No. : 3201451-1

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

Sample No. 24124992-5
Parameter Noise
Location บ้านวังตาลหม่อน (N1) (GPS 47P 0734051, 1432155) (จุดอ้างอิง) (Shut down)
Measurement Date Dec 19 - 20, 2024
Measurement by Puwanart Pimpan
Sound Level Meter 623394

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:30 AM - 12:35 AM	47.3	66.0	35.9
12:35 AM - 12:40 AM	45.0	65.6	37.4
12:40 AM - 12:45 AM	45.2	56.8	36.5
12:45 AM - 12:50 AM	47.6	60.2	35.8
12:50 AM - 12:55 AM	39.4	50.6	36.0
12:55 AM - 01:00 AM	40.7	54.3	35.4
01:00 AM - 01:05 AM	44.2	59.0	36.8
01:05 AM - 01:10 AM	43.7	64.6	36.1
01:10 AM - 01:15 AM	52.2	76.0	36.2
01:15 AM - 01:20 AM	58.0	78.0	35.5
01:20 AM - 01:25 AM	39.5	52.9	35.3
01:25 AM - 01:30 AM	41.8	59.3	35.2
01:30 AM - 01:35 AM	44.0	60.4	35.8
01:35 AM - 01:40 AM	41.2	61.3	35.6
01:40 AM - 01:45 AM	45.4	57.5	36.4
01:45 AM - 01:50 AM	44.0	58.7	35.2
01:50 AM - 01:55 AM	41.0	56.3	34.9
01:55 AM - 02:00 AM	43.9	58.1	35.2
02:00 AM - 02:05 AM	45.0	59.7	34.8
02:05 AM - 02:10 AM	39.5	47.2	36.4
02:10 AM - 02:15 AM	43.7	56.5	35.5
02:15 AM - 02:20 AM	37.6	44.3	35.6
02:20 AM - 02:25 AM	39.2	53.1	36.2
02:25 AM - 02:30 AM	38.9	50.0	35.9
02:30 AM - 02:35 AM	47.8	62.2	37.4
02:35 AM - 02:40 AM	41.2	54.9	37.0
02:40 AM - 02:45 AM	38.8	51.0	35.1
02:45 AM - 02:50 AM	45.2	60.0	35.2
02:50 AM - 02:55 AM	45.8	60.8	34.8
02:55 AM - 03:00 AM	39.8	54.5	34.7
03:00 AM - 03:05 AM	37.4	49.5	33.9
03:05 AM - 03:10 AM	52.2	75.7	34.3
03:10 AM - 03:15 AM	40.5	51.9	34.8
03:15 AM - 03:20 AM	44.0	60.2	36.3
03:20 AM - 03:25 AM	40.1	55.8	34.4
03:25 AM - 03:30 AM	40.9	56.3	34.5
03:30 AM - 03:35 AM	42.7	55.3	35.5
03:35 AM - 03:40 AM	39.0	52.4	34.7
03:40 AM - 03:45 AM	44.1	65.7	34.6
03:45 AM - 03:50 AM	38.1	50.6	34.7

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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: 24124992
Date Received :Dec 23, 2024
Date Reported :Dec 25, 2024
Report No. : 3201451-1

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

Sample No. 24124992-5
Parameter Noise
Location บ้านวังตาลหม่อน (N1) (GPS 47P 0734051, 1432155) (จุดอ้างอิง) (Shut down)
Measurement Date Dec 19 - 20, 2024
Measurement by Puwanart Pimpan
Sound Level Meter 623394

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:50 AM - 03:55 AM	41.7	54.6	35.4
03:55 AM - 04:00 AM	42.2	54.4	35.0
04:00 AM - 04:05 AM	36.6	49.5	34.8
04:05 AM - 04:10 AM	42.5	56.9	34.4
04:10 AM - 04:15 AM	42.3	58.9	34.8
04:15 AM - 04:20 AM	43.4	58.3	35.7
04:20 AM - 04:25 AM	40.2	54.2	35.6
04:25 AM - 04:30 AM	44.7	55.1	36.5
04:30 AM - 04:35 AM	44.7	54.8	36.7
04:35 AM - 04:40 AM	43.6	57.2	36.4
04:40 AM - 04:45 AM	40.2	53.8	34.8
04:45 AM - 04:50 AM	44.6	61.3	35.9
04:50 AM - 04:55 AM	41.5	56.5	34.9
04:55 AM - 05:00 AM	43.6	61.6	35.6
05:00 AM - 05:05 AM	43.8	58.7	36.6
05:05 AM - 05:10 AM	47.3	60.8	39.0
05:10 AM - 05:15 AM	50.2	67.3	38.6
05:15 AM - 05:20 AM	47.4	58.4	39.1
05:20 AM - 05:25 AM	49.3	63.4	38.0
05:25 AM - 05:30 AM	45.7	55.1	37.7
05:30 AM - 05:35 AM	46.9	59.2	39.0
05:35 AM - 05:40 AM	47.0	58.0	38.6
05:40 AM - 05:45 AM	49.8	61.7	39.5
05:45 AM - 05:50 AM	49.2	59.1	39.3
05:50 AM - 05:55 AM	48.2	58.9	39.5
05:55 AM - 06:00 AM	58.9	78.3	40.0
06:00 AM - 07:00 AM	56.2	78.8	45.4
07:00 AM - 08:00 AM	56.4	77.5	50.6
08:00 AM - 09:00 AM	55.5	80.0	48.2
09:00 AM - 10:00 AM	53.5	70.5	47.7
10:00 AM - 11:00 AM	52.4	75.5	46.5
11:00 AM - 12:00 PM	56.6	79.7	47.0

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

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

Lot ID: 24124992
Date Received :Dec 23, 2024
Date Reported :Dec 25, 2024
Report No. : 3201452-1

Sample No. 24124992-6
Parameter Noise
Location บ้านวังตาลหม่อน (N1) (GPS 47P 0734051, 1432155) (จุดอ้างอิง) (Shut down)
Measurement Date Dec 20 - 21, 2024
Measurement by Puwanart Pimpan
Sound Level Meter 623394

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:00 PM - 01:00 PM	53.1	79.9	45.3
01:00 PM - 02:00 PM	51.7	66.6	43.3
02:00 PM - 03:00 PM	51.9	68.6	44.3
03:00 PM - 04:00 PM	51.8	70.2	44.2
04:00 PM - 05:00 PM	52.3	67.4	44.9
05:00 PM - 06:00 PM	53.2	70.3	46.3
06:00 PM - 07:00 PM	53.6	73.7	44.9
07:00 PM - 08:00 PM	51.2	76.2	44.0
08:00 PM - 09:00 PM	51.8	71.8	44.7
09:00 PM - 10:00 PM	50.6	71.2	42.1
10:00 PM - 10:05 PM	50.4	70.0	43.2
10:05 PM - 10:10 PM	62.9	79.5	42.9
10:10 PM - 10:15 PM	46.8	58.6	39.3
10:15 PM - 10:20 PM	47.6	57.5	39.8
10:20 PM - 10:25 PM	49.7	58.9	40.2
10:25 PM - 10:30 PM	55.0	71.3	39.0
10:30 PM - 10:35 PM	47.6	57.2	38.4
10:35 PM - 10:40 PM	50.3	63.2	37.6
10:40 PM - 10:45 PM	47.2	56.8	38.0
10:45 PM - 10:50 PM	50.0	60.9	38.9
10:50 PM - 10:55 PM	49.5	58.3	39.4
10:55 PM - 11:00 PM	48.9	61.6	37.9
11:00 PM - 11:05 PM	45.9	59.4	36.3
11:05 PM - 11:10 PM	45.9	61.2	36.3
11:10 PM - 11:15 PM	43.8	59.7	36.1
11:15 PM - 11:20 PM	47.4	59.0	36.9
11:20 PM - 11:25 PM	49.3	66.0	38.1
11:25 PM - 11:30 PM	49.8	62.1	41.3
11:30 PM - 11:35 PM	47.3	58.3	36.3
11:35 PM - 11:40 PM	48.2	60.0	38.2
11:40 PM - 11:45 PM	48.6	62.4	35.6
11:45 PM - 11:50 PM	47.1	59.6	36.7
11:50 PM - 11:55 PM	48.3	60.0	37.4
11:55 PM - 12:00 AM	48.2	59.8	37.3
12:00 AM - 12:05 AM	58.0	78.4	37.7
12:05 AM - 12:10 AM	45.7	60.4	36.7
12:10 AM - 12:15 AM	47.9	62.0	37.6
12:15 AM - 12:20 AM	47.7	61.4	39.4
12:20 AM - 12:25 AM	48.5	60.9	38.3
12:25 AM - 12:30 AM	47.9	56.2	38.5

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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: 24124992
Date Received :Dec 23, 2024
Date Reported :Dec 25, 2024
Report No. : 3201452-1

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

Sample No. 24124992-6
Parameter Noise
Location บ้านวังตาลหม่อน (N1) (GPS 47P 0734051, 1432155) (จุดอ้างอิง) (Shut down)
Measurement Date Dec 20 - 21, 2024
Measurement by Puwanart Pimpan
Sound Level Meter 623394

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:30 AM - 12:35 AM	47.5	58.5	39.0
12:35 AM - 12:40 AM	44.1	54.6	36.6
12:40 AM - 12:45 AM	48.5	61.4	37.0
12:45 AM - 12:50 AM	44.5	58.1	36.1
12:50 AM - 12:55 AM	45.1	54.5	36.7
12:55 AM - 01:00 AM	51.9	75.5	36.4
01:00 AM - 01:05 AM	48.7	62.2	35.8
01:05 AM - 01:10 AM	44.5	52.9	36.4
01:10 AM - 01:15 AM	42.2	55.9	34.7
01:15 AM - 01:20 AM	47.4	60.8	36.6
01:20 AM - 01:25 AM	48.1	65.7	36.0
01:25 AM - 01:30 AM	46.5	58.0	36.8
01:30 AM - 01:35 AM	46.2	56.1	38.4
01:35 AM - 01:40 AM	41.3	53.5	36.8
01:40 AM - 01:45 AM	41.9	53.9	36.2
01:45 AM - 01:50 AM	46.8	59.0	36.1
01:50 AM - 01:55 AM	43.7	61.5	35.9
01:55 AM - 02:00 AM	43.1	55.2	36.1
02:00 AM - 02:05 AM	43.5	54.1	37.2
02:05 AM - 02:10 AM	47.8	73.1	36.3
02:10 AM - 02:15 AM	50.6	68.9	36.2
02:15 AM - 02:20 AM	45.2	61.3	36.5
02:20 AM - 02:25 AM	50.9	66.6	36.7
02:25 AM - 02:30 AM	48.7	68.0	36.2
02:30 AM - 02:35 AM	44.7	56.2	36.2
02:35 AM - 02:40 AM	42.6	54.2	36.9
02:40 AM - 02:45 AM	41.9	56.0	36.2
02:45 AM - 02:50 AM	43.7	58.7	37.3
02:50 AM - 02:55 AM	44.9	58.6	37.9
02:55 AM - 03:00 AM	44.2	55.4	37.9
03:00 AM - 03:05 AM	45.4	56.9	38.4
03:05 AM - 03:10 AM	45.9	58.1	39.7
03:10 AM - 03:15 AM	48.7	61.6	40.1
03:15 AM - 03:20 AM	44.3	59.3	38.2
03:20 AM - 03:25 AM	45.1	56.5	38.0
03:25 AM - 03:30 AM	43.5	56.4	38.4
03:30 AM - 03:35 AM	47.1	61.4	37.4
03:35 AM - 03:40 AM	46.5	61.5	37.2
03:40 AM - 03:45 AM	43.6	60.2	36.4
03:45 AM - 03:50 AM	42.4	58.0	36.0

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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: 24124992
Date Received :Dec 23, 2024
Date Reported :Dec 25, 2024
Report No. : 3201452-1

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

Sample No. 24124992-6
Parameter Noise
Location บ้านวังตาลหม่อน (N1) (GPS 47P 0734051, 1432155) (จุดอ้างอิง) (Shut down)
Measurement Date Dec 20 - 21, 2024
Measurement by Puwanart Pimpan
Sound Level Meter 623394

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:50 AM - 03:55 AM	43.1	56.3	36.5
03:55 AM - 04:00 AM	39.4	53.9	35.8
04:00 AM - 04:05 AM	44.0	55.0	37.0
04:05 AM - 04:10 AM	42.0	56.2	36.7
04:10 AM - 04:15 AM	46.6	61.3	37.9
04:15 AM - 04:20 AM	44.8	56.1	38.1
04:20 AM - 04:25 AM	39.9	48.7	36.9
04:25 AM - 04:30 AM	44.0	54.7	38.0
04:30 AM - 04:35 AM	45.4	58.1	37.4
04:35 AM - 04:40 AM	42.4	55.1	37.0
04:40 AM - 04:45 AM	38.7	49.0	36.4
04:45 AM - 04:50 AM	44.7	59.0	36.8
04:50 AM - 04:55 AM	44.2	55.1	37.3
04:55 AM - 05:00 AM	41.7	51.9	37.5
05:00 AM - 05:05 AM	43.9	57.3	37.6
05:05 AM - 05:10 AM	43.4	57.8	37.0
05:10 AM - 05:15 AM	43.8	59.3	38.0
05:15 AM - 05:20 AM	45.0	58.1	38.5
05:20 AM - 05:25 AM	54.1	73.2	38.6
05:25 AM - 05:30 AM	61.3	79.7	39.3
05:30 AM - 05:35 AM	48.9	67.9	39.7
05:35 AM - 05:40 AM	55.9	76.9	42.5
05:40 AM - 05:45 AM	46.4	57.3	38.5
05:45 AM - 05:50 AM	44.6	54.9	38.6
05:50 AM - 05:55 AM	47.2	56.6	39.0
05:55 AM - 06:00 AM	48.2	60.5	39.6
06:00 AM - 07:00 AM	55.6	79.1	44.1
07:00 AM - 08:00 AM	55.5	76.7	49.1
08:00 AM - 09:00 AM	54.3	73.8	46.2
09:00 AM - 10:00 AM	56.9	82.5	44.3
10:00 AM - 11:00 AM	52.7	78.2	44.0
11:00 AM - 12:00 PM	53.3	80.0	44.8

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: 24124992
Date Received :Dec 23, 2024
Date Reported :Dec 25, 2024
Report No. : 3201453-1

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

Sample No. 24124992-7
Parameter Noise
Location บ้านวังตาลหม่อน (N1) (GPS 47P 0734051, 1432155) (จุดอ้างอิง) (Shut down)
Measurement Date Dec 21 - 22, 2024
Measurement by Puwanart Pimpan
Sound Level Meter 623394

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:00 PM - 01:00 PM	52.4	75.5	44.3
01:00 PM - 02:00 PM	55.2	78.1	44.8
02:00 PM - 03:00 PM	51.8	78.5	43.0
03:00 PM - 04:00 PM	52.7	78.8	43.0
04:00 PM - 05:00 PM	53.2	78.8	43.9
05:00 PM - 06:00 PM	54.1	75.5	46.5
06:00 PM - 07:00 PM	52.5	77.9	43.7
07:00 PM - 08:00 PM	50.9	65.5	42.6
08:00 PM - 09:00 PM	52.1	78.0	42.7
09:00 PM - 10:00 PM	50.7	76.7	41.7
10:00 PM - 10:05 PM	50.0	65.3	41.7
10:05 PM - 10:10 PM	50.1	63.9	42.1
10:10 PM - 10:15 PM	48.0	66.6	41.1
10:15 PM - 10:20 PM	51.9	66.9	41.0
10:20 PM - 10:25 PM	52.4	65.7	44.0
10:25 PM - 10:30 PM	48.3	63.3	40.8
10:30 PM - 10:35 PM	46.7	56.0	39.4
10:35 PM - 10:40 PM	48.3	62.2	38.8
10:40 PM - 10:45 PM	48.2	61.2	39.6
10:45 PM - 10:50 PM	46.3	56.5	39.3
10:50 PM - 10:55 PM	49.3	61.1	41.2
10:55 PM - 11:00 PM	50.7	61.5	41.9
11:00 PM - 11:05 PM	47.7	60.9	40.0
11:05 PM - 11:10 PM	49.7	59.6	39.3
11:10 PM - 11:15 PM	47.4	57.8	39.8
11:15 PM - 11:20 PM	46.0	57.3	39.1
11:20 PM - 11:25 PM	47.8	56.8	39.1
11:25 PM - 11:30 PM	48.5	59.2	39.6
11:30 PM - 11:35 PM	51.1	63.7	41.5
11:35 PM - 11:40 PM	48.8	58.7	38.2
11:40 PM - 11:45 PM	47.5	58.4	39.2
11:45 PM - 11:50 PM	47.5	58.1	39.4
11:50 PM - 11:55 PM	54.2	76.7	38.8
11:55 PM - 12:00 AM	51.2	74.1	40.5
12:00 AM - 12:05 AM	48.2	62.1	38.6
12:05 AM - 12:10 AM	47.2	57.7	39.2
12:10 AM - 12:15 AM	63.0	77.9	41.9
12:15 AM - 12:20 AM	57.9	77.8	39.0
12:20 AM - 12:25 AM	50.2	60.4	41.4
12:25 AM - 12:30 AM	46.2	55.1	38.0

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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: 24124992
Date Received :Dec 23, 2024
Date Reported :Dec 25, 2024
Report No. : 3201453-1

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

Sample No. 24124992-7
Parameter Noise
Location บ้านวังตาลหม่อน (N1) (GPS 47P 0734051, 1432155) (จุดอ้างอิง) (Shut down)
Measurement Date Dec 21 - 22, 2024
Measurement by Puwanart Pimpan
Sound Level Meter 623394

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:30 AM - 12:35 AM	52.0	71.8	37.6
12:35 AM - 12:40 AM	51.2	65.6	39.1
12:40 AM - 12:45 AM	51.4	62.2	40.7
12:45 AM - 12:50 AM	49.6	62.3	37.8
12:50 AM - 12:55 AM	54.1	71.6	41.0
12:55 AM - 01:00 AM	45.8	56.6	37.9
01:00 AM - 01:05 AM	48.4	59.5	37.8
01:05 AM - 01:10 AM	47.4	57.6	38.7
01:10 AM - 01:15 AM	47.0	62.7	37.9
01:15 AM - 01:20 AM	50.9	65.2	37.2
01:20 AM - 01:25 AM	48.5	60.1	37.8
01:25 AM - 01:30 AM	41.5	56.9	36.5
01:30 AM - 01:35 AM	41.5	53.9	36.0
01:35 AM - 01:40 AM	42.0	57.3	35.9
01:40 AM - 01:45 AM	44.3	59.5	36.4
01:45 AM - 01:50 AM	41.7	54.9	36.2
01:50 AM - 01:55 AM	45.4	56.3	36.8
01:55 AM - 02:00 AM	45.4	62.0	36.1
02:00 AM - 02:05 AM	40.5	55.9	35.3
02:05 AM - 02:10 AM	46.1	57.6	35.9
02:10 AM - 02:15 AM	43.9	57.7	35.5
02:15 AM - 02:20 AM	47.4	74.6	35.6
02:20 AM - 02:25 AM	43.9	57.2	36.2
02:25 AM - 02:30 AM	46.7	62.3	36.8
02:30 AM - 02:35 AM	44.5	57.1	35.1
02:35 AM - 02:40 AM	42.2	56.0	35.7
02:40 AM - 02:45 AM	44.2	57.1	35.7
02:45 AM - 02:50 AM	40.0	49.9	35.3
02:50 AM - 02:55 AM	44.1	59.1	35.6
02:55 AM - 03:00 AM	43.2	54.0	35.3
03:00 AM - 03:05 AM	40.3	55.4	35.0
03:05 AM - 03:10 AM	43.8	60.8	36.0
03:10 AM - 03:15 AM	42.5	58.7	34.8
03:15 AM - 03:20 AM	40.2	51.8	35.2
03:20 AM - 03:25 AM	37.6	51.6	35.0
03:25 AM - 03:30 AM	42.2	54.4	35.2
03:30 AM - 03:35 AM	41.1	52.1	35.4
03:35 AM - 03:40 AM	39.4	50.6	35.9
03:40 AM - 03:45 AM	39.7	54.0	35.6
03:45 AM - 03:50 AM	38.8	44.5	37.1

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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: 24124992
Date Received :Dec 23, 2024
Date Reported :Dec 25, 2024
Report No. : 3201453-1

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

Sample No. 24124992-7
Parameter Noise
Location บ้านวังตาลหม่อน (N1) (GPS 47P 0734051, 1432155) (จุดอ้างอิง) (Shut down)
Measurement Date Dec 21 - 22, 2024
Measurement by Puwanart Pimpan
Sound Level Meter 623394

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:50 AM - 03:55 AM	44.1	56.3	37.1
03:55 AM - 04:00 AM	40.9	65.2	36.3
04:00 AM - 04:05 AM	48.6	69.4	35.3
04:05 AM - 04:10 AM	40.6	53.8	36.6
04:10 AM - 04:15 AM	38.2	48.2	35.0
04:15 AM - 04:20 AM	49.4	68.1	35.3
04:20 AM - 04:25 AM	41.7	53.7	34.4
04:25 AM - 04:30 AM	40.7	53.6	34.3
04:30 AM - 04:35 AM	44.2	57.4	35.4
04:35 AM - 04:40 AM	47.2	62.8	35.1
04:40 AM - 04:45 AM	45.7	62.0	35.0
04:45 AM - 04:50 AM	38.5	51.0	34.6
04:50 AM - 04:55 AM	45.6	59.0	35.4
04:55 AM - 05:00 AM	44.7	59.8	36.1
05:00 AM - 05:05 AM	42.9	53.7	35.6
05:05 AM - 05:10 AM	45.1	59.2	37.1
05:10 AM - 05:15 AM	59.6	77.3	40.4
05:15 AM - 05:20 AM	53.1	76.6	39.1
05:20 AM - 05:25 AM	46.3	57.3	39.9
05:25 AM - 05:30 AM	45.0	55.9	38.6
05:30 AM - 05:35 AM	45.3	55.8	37.7
05:35 AM - 05:40 AM	47.3	59.0	37.7
05:40 AM - 05:45 AM	45.3	54.5	39.6
05:45 AM - 05:50 AM	45.5	63.7	38.9
05:50 AM - 05:55 AM	49.7	58.3	39.4
05:55 AM - 06:00 AM	49.0	68.9	40.3
06:00 AM - 07:00 AM	57.7	82.9	43.7
07:00 AM - 08:00 AM	55.5	77.4	46.3
08:00 AM - 09:00 AM	54.4	75.6	47.4
09:00 AM - 10:00 AM	53.9	72.3	47.2
10:00 AM - 11:00 AM	52.7	75.8	46.8
11:00 AM - 12:00 PM	55.9	79.7	47.1

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

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

Lot ID: 24124992
Date Received :Dec 23, 2024
Date Reported :Dec 25, 2024
Report No. : 3201454-1

Sample No. 24124992-8
Parameter Noise
Location บ้านพักอาศัย หมู่ 2 ซ.มาบยางพร 15 (N2) (GPS 47P 0733671, 1433988) (จุดอ้างอิง) (Shut down)
Measurement Date Dec 15 - 16, 2024
Measurement by Puwanart Pimpan
Sound Level Meter 00734218

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	56.2	76.1	49.8
12:00 PM - 01:00 PM	54.3	74.0	48.2
01:00 PM - 02:00 PM	54.0	69.3	50.5
02:00 PM - 03:00 PM	54.6	72.7	49.9
03:00 PM - 04:00 PM	52.7	68.4	48.1
04:00 PM - 05:00 PM	55.8	81.3	49.7
05:00 PM - 06:00 PM	55.4	87.2	49.6
06:00 PM - 07:00 PM	55.0	72.9	52.3
07:00 PM - 08:00 PM	54.4	70.3	51.7
08:00 PM - 09:00 PM	55.2	73.1	52.2
09:00 PM - 10:00 PM	53.4	70.9	51.0
10:00 PM - 10:05 PM	52.3	56.3	50.8
10:05 PM - 10:10 PM	52.4	56.8	50.9
10:10 PM - 10:15 PM	54.5	64.1	51.2
10:15 PM - 10:20 PM	52.8	60.4	50.2
10:20 PM - 10:25 PM	52.8	61.8	51.1
10:25 PM - 10:30 PM	52.9	59.7	50.9
10:30 PM - 10:35 PM	51.9	56.3	50.3
10:35 PM - 10:40 PM	53.2	64.9	50.1
10:40 PM - 10:45 PM	52.5	61.5	50.4
10:45 PM - 10:50 PM	52.5	59.8	50.7
10:50 PM - 10:55 PM	51.9	63.1	49.8
10:55 PM - 11:00 PM	51.6	56.5	49.7
11:00 PM - 11:05 PM	52.4	58.3	49.9
11:05 PM - 11:10 PM	53.7	64.5	50.4
11:10 PM - 11:15 PM	53.8	58.0	50.6
11:15 PM - 11:20 PM	54.2	57.6	51.5
11:20 PM - 11:25 PM	54.3	59.1	51.1
11:25 PM - 11:30 PM	54.2	59.6	51.1
11:30 PM - 11:35 PM	53.5	59.3	50.5
11:35 PM - 11:40 PM	53.9	62.7	50.9
11:40 PM - 11:45 PM	53.7	58.5	51.1
11:45 PM - 11:50 PM	54.2	64.4	50.8
11:50 PM - 11:55 PM	53.0	57.5	49.9
11:55 PM - 12:00 AM	53.4	64.0	50.2
12:00 AM - 12:05 AM	52.8	57.1	49.8
12:05 AM - 12:10 AM	54.0	68.5	50.1
12:10 AM - 12:15 AM	53.5	62.9	50.4
12:15 AM - 12:20 AM	52.5	57.8	49.1
12:20 AM - 12:25 AM	53.8	59.9	50.0

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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: 24124992
Date Received :Dec 23, 2024
Date Reported :Dec 25, 2024
Report No. : 3201454-1

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

Sample No. 24124992-8
Parameter Noise
Location บ้านพักอาศัย หมู่ 2 ซ.มาบยางพร 15 (N2) (GPS 47P 0733671, 1433988) (จุดอ้างอิง) (Shut down)
Measurement Date Dec 15 - 16, 2024
Measurement by Puwanart Pimpan
Sound Level Meter 00734218

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:25 AM - 12:30 AM	53.2	57.6	48.9
12:30 AM - 12:35 AM	52.7	59.1	49.6
12:35 AM - 12:40 AM	52.9	57.3	49.8
12:40 AM - 12:45 AM	53.6	58.1	50.5
12:45 AM - 12:50 AM	53.4	60.0	50.0
12:50 AM - 12:55 AM	53.3	57.2	50.5
12:55 AM - 01:00 AM	53.3	57.0	50.5
01:00 AM - 01:05 AM	53.3	56.9	50.3
01:05 AM - 01:10 AM	53.0	57.1	49.7
01:10 AM - 01:15 AM	52.4	57.1	48.8
01:15 AM - 01:20 AM	53.5	57.6	50.1
01:20 AM - 01:25 AM	53.8	61.4	50.2
01:25 AM - 01:30 AM	55.3	61.8	50.6
01:30 AM - 01:35 AM	57.1	61.9	52.2
01:35 AM - 01:40 AM	56.7	61.3	51.3
01:40 AM - 01:45 AM	56.9	61.8	51.0
01:45 AM - 01:50 AM	58.0	61.5	54.2
01:50 AM - 01:55 AM	58.0	61.7	54.6
01:55 AM - 02:00 AM	55.7	61.3	49.2
02:00 AM - 02:05 AM	56.7	61.8	50.0
02:05 AM - 02:10 AM	57.2	61.6	49.6
02:10 AM - 02:15 AM	57.3	61.8	51.8
02:15 AM - 02:20 AM	58.0	61.4	54.5
02:20 AM - 02:25 AM	57.7	63.2	53.1
02:25 AM - 02:30 AM	57.8	63.0	53.8
02:30 AM - 02:35 AM	55.8	61.5	42.5
02:35 AM - 02:40 AM	48.2	65.8	39.0
02:40 AM - 02:45 AM	47.3	51.1	44.5
02:45 AM - 02:50 AM	48.3	56.2	45.5
02:50 AM - 02:55 AM	49.1	56.3	46.5
02:55 AM - 03:00 AM	48.1	52.0	44.2
03:00 AM - 03:05 AM	47.4	51.2	44.8
03:05 AM - 03:10 AM	47.9	52.4	45.6
03:10 AM - 03:15 AM	47.9	53.3	45.4
03:15 AM - 03:20 AM	48.5	52.5	45.8
03:20 AM - 03:25 AM	49.2	58.1	46.0
03:25 AM - 03:30 AM	47.9	56.1	44.9
03:30 AM - 03:35 AM	47.9	53.5	45.4
03:35 AM - 03:40 AM	47.6	54.4	44.2
03:40 AM - 03:45 AM	47.1	53.4	44.3

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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: 24124992
Date Received :Dec 23, 2024
Date Reported :Dec 25, 2024
Report No. : 3201454-1

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

Sample No. 24124992-8
Parameter Noise
Location บ้านพักอาศัย หมู่ 2 ซ.มาบยางพร 15 (N2) (GPS 47P 0733671, 1433988) (จุดอ้างอิง) (Shut down)
Measurement Date Dec 15 - 16, 2024
Measurement by Puwanart Pimpan
Sound Level Meter 00734218

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:45 AM - 03:50 AM	46.1	50.5	43.9
03:50 AM - 03:55 AM	46.2	50.6	43.8
03:55 AM - 04:00 AM	46.1	51.1	43.4
04:00 AM - 04:05 AM	47.2	54.6	43.9
04:05 AM - 04:10 AM	46.3	54.2	42.9
04:10 AM - 04:15 AM	53.2	75.6	43.1
04:15 AM - 04:20 AM	44.2	49.6	41.0
04:20 AM - 04:25 AM	45.4	50.5	42.6
04:25 AM - 04:30 AM	46.5	53.5	43.0
04:30 AM - 04:35 AM	46.5	52.9	42.2
04:35 AM - 04:40 AM	47.1	56.5	44.0
04:40 AM - 04:45 AM	45.3	52.9	41.7
04:45 AM - 04:50 AM	46.2	52.8	41.4
04:50 AM - 04:55 AM	44.4	51.3	41.1
04:55 AM - 05:00 AM	47.9	54.7	44.2
05:00 AM - 05:05 AM	47.6	55.1	43.5
05:05 AM - 05:10 AM	48.8	60.0	42.5
05:10 AM - 05:15 AM	48.5	57.1	41.8
05:15 AM - 05:20 AM	47.2	57.5	39.9
05:20 AM - 05:25 AM	46.8	60.3	39.7
05:25 AM - 05:30 AM	49.4	56.7	44.8
05:30 AM - 05:35 AM	50.8	58.7	45.4
05:35 AM - 05:40 AM	50.2	64.5	44.0
05:40 AM - 05:45 AM	51.9	60.2	48.9
05:45 AM - 05:50 AM	50.5	57.8	46.8
05:50 AM - 05:55 AM	49.0	56.6	45.1
05:55 AM - 06:00 AM	46.7	57.5	40.5
06:00 AM - 07:00 AM	52.7	72.6	46.4
07:00 AM - 08:00 AM	57.9	79.0	51.0
08:00 AM - 09:00 AM	58.1	80.2	53.4
09:00 AM - 10:00 AM	55.2	69.9	50.3
10:00 AM - 11:00 AM	53.9	74.0	49.0

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: 24124992
Date Received :Dec 23, 2024
Date Reported :Dec 25, 2024
Report No. : 3201455-1

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

Sample No. 24124992-9
Parameter Noise
Location บ้านพักอาศัย หมู่ 2 ซ.มาบยางพร 15 (N2) (GPS 47P 0733671, 1433988) (จุดอ้างอิง) (Shut down)
Measurement Date Dec 16 - 17, 2024
Measurement by Puwanart Pimpan
Sound Level Meter 00734218

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	54.2	74.7	48.4
12:00 PM - 01:00 PM	55.6	80.5	47.0
01:00 PM - 02:00 PM	53.4	71.5	47.1
02:00 PM - 03:00 PM	51.7	72.5	46.3
03:00 PM - 04:00 PM	51.4	71.0	46.0
04:00 PM - 05:00 PM	51.2	71.9	45.2
05:00 PM - 06:00 PM	52.5	71.0	46.1
06:00 PM - 07:00 PM	56.5	77.3	54.0
07:00 PM - 08:00 PM	55.8	74.2	52.2
08:00 PM - 09:00 PM	54.2	75.8	50.6
09:00 PM - 10:00 PM	53.2	65.1	50.1
10:00 PM - 10:05 PM	55.8	62.4	49.5
10:05 PM - 10:10 PM	57.2	62.2	50.8
10:10 PM - 10:15 PM	53.7	61.7	48.0
10:15 PM - 10:20 PM	56.3	65.4	50.4
10:20 PM - 10:25 PM	55.9	68.7	47.5
10:25 PM - 10:30 PM	53.7	61.5	48.0
10:30 PM - 10:35 PM	55.1	60.9	48.6
10:35 PM - 10:40 PM	54.0	60.8	47.3
10:40 PM - 10:45 PM	57.0	62.5	51.4
10:45 PM - 10:50 PM	58.1	62.5	51.0
10:50 PM - 10:55 PM	57.2	63.7	49.5
10:55 PM - 11:00 PM	57.0	61.5	47.3
11:00 PM - 11:05 PM	56.3	63.4	47.7
11:05 PM - 11:10 PM	57.7	62.4	47.4
11:10 PM - 11:15 PM	57.7	64.1	51.3
11:15 PM - 11:20 PM	53.7	62.0	44.5
11:20 PM - 11:25 PM	50.3	60.4	45.0
11:25 PM - 11:30 PM	53.4	58.1	48.4
11:30 PM - 11:35 PM	53.4	58.0	44.7
11:35 PM - 11:40 PM	53.1	63.4	47.4
11:40 PM - 11:45 PM	54.7	59.1	50.1
11:45 PM - 11:50 PM	54.8	59.4	50.8
11:50 PM - 11:55 PM	54.1	58.7	49.1
11:55 PM - 12:00 AM	53.7	59.1	45.7
12:00 AM - 12:05 AM	50.9	58.5	45.6
12:05 AM - 12:10 AM	53.1	60.8	47.6
12:10 AM - 12:15 AM	56.1	60.0	52.6
12:15 AM - 12:20 AM	52.1	58.8	47.0
12:20 AM - 12:25 AM	52.5	68.1	45.9

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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: 24124992
Date Received :Dec 23, 2024
Date Reported :Dec 25, 2024
Report No. : 3201455-1

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

Sample No. 24124992-9
Parameter Noise
Location บ้านพักอาศัย หมู่ 2 ซ.มาบยางพร 15 (N2) (GPS 47P 0733671, 1433988) (จุดอ้างอิง) (Shut down)
Measurement Date Dec 16 - 17, 2024
Measurement by Puwanart Pimpan
Sound Level Meter 00734218

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:25 AM - 12:30 AM	50.4	58.5	46.5
12:30 AM - 12:35 AM	53.7	71.6	47.7
12:35 AM - 12:40 AM	51.0	64.8	45.1
12:40 AM - 12:45 AM	50.5	60.8	47.1
12:45 AM - 12:50 AM	48.9	53.2	45.4
12:50 AM - 12:55 AM	48.7	58.9	44.4
12:55 AM - 01:00 AM	48.9	59.6	45.3
01:00 AM - 01:05 AM	49.7	56.6	45.3
01:05 AM - 01:10 AM	49.3	55.2	45.0
01:10 AM - 01:15 AM	52.0	56.6	46.6
01:15 AM - 01:20 AM	53.0	57.4	48.3
01:20 AM - 01:25 AM	54.1	58.7	49.6
01:25 AM - 01:30 AM	53.3	58.6	48.0
01:30 AM - 01:35 AM	50.2	56.6	45.4
01:35 AM - 01:40 AM	49.7	56.2	44.9
01:40 AM - 01:45 AM	54.0	58.3	50.1
01:45 AM - 01:50 AM	53.8	58.7	49.1
01:50 AM - 01:55 AM	53.6	62.5	49.2
01:55 AM - 02:00 AM	53.2	58.7	48.1
02:00 AM - 02:05 AM	52.2	57.2	44.9
02:05 AM - 02:10 AM	52.9	66.2	46.9
02:10 AM - 02:15 AM	52.9	58.1	47.4
02:15 AM - 02:20 AM	51.5	57.5	45.6
02:20 AM - 02:25 AM	50.9	56.2	45.5
02:25 AM - 02:30 AM	49.0	55.1	44.4
02:30 AM - 02:35 AM	48.9	64.1	44.4
02:35 AM - 02:40 AM	45.1	48.8	42.9
02:40 AM - 02:45 AM	46.5	54.6	43.1
02:45 AM - 02:50 AM	44.7	53.2	42.2
02:50 AM - 02:55 AM	47.1	60.1	42.0
02:55 AM - 03:00 AM	44.3	54.5	40.8
03:00 AM - 03:05 AM	45.1	52.9	40.4
03:05 AM - 03:10 AM	45.0	50.7	40.5
03:10 AM - 03:15 AM	46.2	60.2	40.1
03:15 AM - 03:20 AM	46.9	54.1	40.8
03:20 AM - 03:25 AM	49.0	54.8	40.6
03:25 AM - 03:30 AM	50.6	67.4	40.9
03:30 AM - 03:35 AM	49.8	60.8	40.4
03:35 AM - 03:40 AM	52.4	66.4	42.2
03:40 AM - 03:45 AM	46.2	54.9	39.7

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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: 24124992
Date Received :Dec 23, 2024
Date Reported :Dec 25, 2024
Report No. : 3201455-1

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

Sample No. 24124992-9
Parameter Noise
Location บ้านพักอาศัย หมู่ 2 ซ.มาบยางพร 15 (N2) (GPS 47P 0733671, 1433988) (จุดอ้างอิง) (Shut down)
Measurement Date Dec 16 - 17, 2024
Measurement by Puwanart Pimpan
Sound Level Meter 00734218

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:45 AM - 03:50 AM	42.7	48.4	39.4
03:50 AM - 03:55 AM	42.4	48.5	39.4
03:55 AM - 04:00 AM	43.0	53.0	38.9
04:00 AM - 04:05 AM	40.3	47.3	38.0
04:05 AM - 04:10 AM	41.4	52.6	38.2
04:10 AM - 04:15 AM	43.9	57.4	38.6
04:15 AM - 04:20 AM	40.3	49.1	37.7
04:20 AM - 04:25 AM	40.1	51.1	37.8
04:25 AM - 04:30 AM	41.3	50.9	37.5
04:30 AM - 04:35 AM	42.1	55.0	37.9
04:35 AM - 04:40 AM	40.4	47.2	38.2
04:40 AM - 04:45 AM	39.8	47.1	38.0
04:45 AM - 04:50 AM	44.4	56.3	39.3
04:50 AM - 04:55 AM	42.4	54.9	38.3
04:55 AM - 05:00 AM	42.6	54.9	38.3
05:00 AM - 05:05 AM	44.1	53.5	39.0
05:05 AM - 05:10 AM	45.2	54.7	39.0
05:10 AM - 05:15 AM	52.4	70.7	43.5
05:15 AM - 05:20 AM	47.6	57.2	41.3
05:20 AM - 05:25 AM	44.9	54.9	40.6
05:25 AM - 05:30 AM	43.1	51.2	39.9
05:30 AM - 05:35 AM	43.6	54.9	40.1
05:35 AM - 05:40 AM	48.6	64.5	41.8
05:40 AM - 05:45 AM	47.1	62.0	41.1
05:45 AM - 05:50 AM	45.0	55.8	40.5
05:50 AM - 05:55 AM	50.3	66.0	41.4
05:55 AM - 06:00 AM	50.7	67.0	43.3
06:00 AM - 07:00 AM	52.4	87.0	45.6
07:00 AM - 08:00 AM	56.6	76.7	50.2
08:00 AM - 09:00 AM	57.3	85.5	50.9
09:00 AM - 10:00 AM	57.5	75.2	53.5
10:00 AM - 11:00 AM	56.6	68.7	53.0

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: 24124992
Date Received :Dec 23, 2024
Date Reported :Dec 25, 2024
Report No. : 3201456-1

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

Sample No. 24124992-10
Parameter Noise
Location บ้านพักอาศัย หมู่ 2 ซ.มาบยางพร 15 (N2) (GPS 47P 0733671, 1433988) (จุดอ้างอิง) (Shut down)
Measurement Date Dec 17 - 18, 2024
Measurement by Puwanart Pimpan
Sound Level Meter 00734218

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	58.4	73.3	53.9
12:00 PM - 01:00 PM	56.4	86.2	50.0
01:00 PM - 02:00 PM	55.8	77.9	50.6
02:00 PM - 03:00 PM	56.7	75.7	51.7
03:00 PM - 04:00 PM	56.1	70.8	52.1
04:00 PM - 05:00 PM	55.9	73.3	51.5
05:00 PM - 06:00 PM	56.2	74.9	48.8
06:00 PM - 07:00 PM	56.6	72.2	54.1
07:00 PM - 08:00 PM	56.1	69.8	53.5
08:00 PM - 09:00 PM	54.9	72.7	51.7
09:00 PM - 10:00 PM	53.0	70.5	50.6
10:00 PM - 10:05 PM	51.5	55.3	50.2
10:05 PM - 10:10 PM	51.9	55.9	50.4
10:10 PM - 10:15 PM	52.0	56.4	50.5
10:15 PM - 10:20 PM	54.1	63.7	50.8
10:20 PM - 10:25 PM	52.4	60.0	49.8
10:25 PM - 10:30 PM	52.4	61.4	50.7
10:30 PM - 10:35 PM	52.5	59.3	50.5
10:35 PM - 10:40 PM	51.5	55.9	49.9
10:40 PM - 10:45 PM	52.8	64.5	49.7
10:45 PM - 10:50 PM	52.1	61.1	50.0
10:50 PM - 10:55 PM	52.1	59.4	50.3
10:55 PM - 11:00 PM	51.5	62.7	49.4
11:00 PM - 11:05 PM	51.2	56.1	49.3
11:05 PM - 11:10 PM	52.0	57.9	49.5
11:10 PM - 11:15 PM	53.3	64.1	50.0
11:15 PM - 11:20 PM	53.4	57.6	50.2
11:20 PM - 11:25 PM	53.8	57.2	51.1
11:25 PM - 11:30 PM	53.9	58.7	50.7
11:30 PM - 11:35 PM	53.8	59.2	50.7
11:35 PM - 11:40 PM	53.1	58.9	50.1
11:40 PM - 11:45 PM	53.5	62.3	50.5
11:45 PM - 11:50 PM	53.3	58.1	50.7
11:50 PM - 11:55 PM	53.8	64.0	50.4
11:55 PM - 12:00 AM	52.6	57.1	49.5
12:00 AM - 12:05 AM	53.0	63.6	49.8
12:05 AM - 12:10 AM	52.4	56.7	49.4
12:10 AM - 12:15 AM	53.6	68.1	49.7
12:15 AM - 12:20 AM	53.1	62.5	50.0
12:20 AM - 12:25 AM	52.1	57.4	48.7

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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: 24124992
Date Received :Dec 23, 2024
Date Reported :Dec 25, 2024
Report No. : 3201456-1

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

Sample No. 24124992-10
Parameter Noise
Location บ้านพักอาศัย หมู่ 2 ซ.มาบยางพร 15 (N2) (GPS 47P 0733671, 1433988) (จุดอ้างอิง) (Shut down)
Measurement Date Dec 17 - 18, 2024
Measurement by Puwanart Pimpan
Sound Level Meter 00734218

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:25 AM - 12:30 AM	53.4	59.5	49.6
12:30 AM - 12:35 AM	52.8	57.2	48.5
12:35 AM - 12:40 AM	52.3	58.7	49.2
12:40 AM - 12:45 AM	52.5	56.9	49.4
12:45 AM - 12:50 AM	53.2	57.7	50.1
12:50 AM - 12:55 AM	53.0	59.6	49.6
12:55 AM - 01:00 AM	52.9	56.8	50.1
01:00 AM - 01:05 AM	52.9	56.6	50.1
01:05 AM - 01:10 AM	52.9	56.5	49.9
01:10 AM - 01:15 AM	52.6	56.7	49.3
01:15 AM - 01:20 AM	52.0	56.7	48.4
01:20 AM - 01:25 AM	53.1	57.2	49.7
01:25 AM - 01:30 AM	53.4	61.0	49.8
01:30 AM - 01:35 AM	54.9	61.4	50.2
01:35 AM - 01:40 AM	56.7	61.5	51.8
01:40 AM - 01:45 AM	56.3	60.9	50.9
01:45 AM - 01:50 AM	56.5	61.4	50.6
01:50 AM - 01:55 AM	57.6	61.1	53.8
01:55 AM - 02:00 AM	57.6	61.3	54.2
02:00 AM - 02:05 AM	55.3	60.9	48.8
02:05 AM - 02:10 AM	56.3	61.4	49.6
02:10 AM - 02:15 AM	56.8	61.2	49.2
02:15 AM - 02:20 AM	56.9	61.4	51.4
02:20 AM - 02:25 AM	57.6	61.0	54.1
02:25 AM - 02:30 AM	57.3	62.8	52.7
02:30 AM - 02:35 AM	57.4	62.6	53.4
02:35 AM - 02:40 AM	55.4	61.1	42.1
02:40 AM - 02:45 AM	47.8	65.4	38.6
02:45 AM - 02:50 AM	46.9	50.7	44.1
02:50 AM - 02:55 AM	47.9	55.8	45.1
02:55 AM - 03:00 AM	48.7	55.9	46.1
03:00 AM - 03:05 AM	47.7	51.6	43.8
03:05 AM - 03:10 AM	47.0	50.8	44.4
03:10 AM - 03:15 AM	47.5	52.0	45.2
03:15 AM - 03:20 AM	47.5	52.9	45.0
03:20 AM - 03:25 AM	48.1	52.1	45.4
03:25 AM - 03:30 AM	48.8	57.7	45.6
03:30 AM - 03:35 AM	47.5	55.7	44.5
03:35 AM - 03:40 AM	47.5	53.1	45.0
03:40 AM - 03:45 AM	47.2	54.0	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: 24124992
Date Received :Dec 23, 2024
Date Reported :Dec 25, 2024
Report No. : 3201456-1

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

Sample No. 24124992-10
Parameter Noise
Location บ้านพักอาศัย หมู่ 2 ซ.มาบยางพร 15 (N2) (GPS 47P 0733671, 1433988) (จุดอ้างอิง) (Shut down)
Measurement Date Dec 17 - 18, 2024
Measurement by Puwanart Pimpan
Sound Level Meter 00734218

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:45 AM - 03:50 AM	46.7	53.0	43.9
03:50 AM - 03:55 AM	45.7	50.1	43.5
03:55 AM - 04:00 AM	45.8	50.2	43.4
04:00 AM - 04:05 AM	45.7	50.7	43.0
04:05 AM - 04:10 AM	46.8	54.2	43.5
04:10 AM - 04:15 AM	45.9	53.8	42.5
04:15 AM - 04:20 AM	52.8	75.2	42.7
04:20 AM - 04:25 AM	43.8	49.2	40.6
04:25 AM - 04:30 AM	45.0	50.1	42.2
04:30 AM - 04:35 AM	46.1	53.1	42.6
04:35 AM - 04:40 AM	46.1	52.5	41.8
04:40 AM - 04:45 AM	46.7	56.1	43.6
04:45 AM - 04:50 AM	44.9	52.5	41.3
04:50 AM - 04:55 AM	45.8	52.4	41.0
04:55 AM - 05:00 AM	44.0	50.9	40.7
05:00 AM - 05:05 AM	47.5	54.3	43.8
05:05 AM - 05:10 AM	47.2	54.7	43.1
05:10 AM - 05:15 AM	48.4	59.6	42.1
05:15 AM - 05:20 AM	48.1	56.7	41.4
05:20 AM - 05:25 AM	46.8	57.1	39.5
05:25 AM - 05:30 AM	46.4	59.9	39.3
05:30 AM - 05:35 AM	49.0	56.3	44.4
05:35 AM - 05:40 AM	50.4	58.3	45.0
05:40 AM - 05:45 AM	49.8	64.1	43.6
05:45 AM - 05:50 AM	51.5	59.8	48.5
05:50 AM - 05:55 AM	50.1	57.4	46.4
05:55 AM - 06:00 AM	48.6	56.2	44.7
06:00 AM - 07:00 AM	52.0	72.2	45.5
07:00 AM - 08:00 AM	57.3	78.6	50.3
08:00 AM - 09:00 AM	57.5	79.8	52.8
09:00 AM - 10:00 AM	55.3	70.6	50.5
10:00 AM - 11:00 AM	53.6	73.6	48.6

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: 24124992
Date Received :Dec 23, 2024
Date Reported :Dec 25, 2024
Report No. : 3201457-1

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

Sample No. 24124992-11
Parameter Noise
Location บ้านพักอาศัย หมู่ 2 ซ.มาบยางพร 15 (N2) (GPS 47P 0733671, 1433988) (จุดอ้างอิง) (Shut down)
Measurement Date Dec 18 - 19, 2024
Measurement by Puwanart Pimpan
Sound Level Meter 00734218

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	53.9	74.3	48.1
12:00 PM - 01:00 PM	55.1	80.1	46.7
01:00 PM - 02:00 PM	53.2	71.1	46.9
02:00 PM - 03:00 PM	51.3	72.1	45.9
03:00 PM - 04:00 PM	62.4	85.3	47.6
04:00 PM - 05:00 PM	60.5	87.7	51.7
05:00 PM - 06:00 PM	52.3	71.1	45.8
06:00 PM - 07:00 PM	55.8	76.9	53.1
07:00 PM - 08:00 PM	56.3	77.4	52.8
08:00 PM - 09:00 PM	54.6	82.5	48.4
09:00 PM - 10:00 PM	51.1	75.5	47.2
10:00 PM - 10:05 PM	42.3	52.7	39.7
10:05 PM - 10:10 PM	42.8	59.6	37.9
10:10 PM - 10:15 PM	41.1	53.5	36.9
10:15 PM - 10:20 PM	52.2	71.8	37.8
10:20 PM - 10:25 PM	46.7	66.6	37.1
10:25 PM - 10:30 PM	44.9	62.5	36.1
10:30 PM - 10:35 PM	47.0	66.9	37.9
10:35 PM - 10:40 PM	46.6	65.7	37.2
10:40 PM - 10:45 PM	49.9	69.7	37.5
10:45 PM - 10:50 PM	44.7	62.7	37.6
10:50 PM - 10:55 PM	43.5	63.1	37.6
10:55 PM - 11:00 PM	42.6	58.6	37.4
11:00 PM - 11:05 PM	38.4	48.5	36.2
11:05 PM - 11:10 PM	44.8	64.4	37.7
11:10 PM - 11:15 PM	47.9	68.3	37.6
11:15 PM - 11:20 PM	42.1	53.6	37.9
11:20 PM - 11:25 PM	47.7	70.1	37.3
11:25 PM - 11:30 PM	47.9	68.7	37.1
11:30 PM - 11:35 PM	42.1	60.3	36.9
11:35 PM - 11:40 PM	40.0	55.1	36.3
11:40 PM - 11:45 PM	43.1	66.9	36.7
11:45 PM - 11:50 PM	49.8	69.2	37.9
11:50 PM - 11:55 PM	45.6	66.7	39.4
11:55 PM - 12:00 AM	44.0	65.1	38.0
12:00 AM - 12:05 AM	42.1	56.3	38.3
12:05 AM - 12:10 AM	42.1	67.6	37.3
12:10 AM - 12:15 AM	50.0	70.5	40.6
12:15 AM - 12:20 AM	42.4	55.6	37.9
12:20 AM - 12:25 AM	52.2	73.7	38.2

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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: 24124992
Date Received :Dec 23, 2024
Date Reported :Dec 25, 2024
Report No. : 3201457-1

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

Sample No. 24124992-11
Parameter Noise
Location บ้านพักอาศัย หมู่ 2 ซ.มาบยางพร 15 (N2) (GPS 47P 0733671, 1433988) (จุดอ้างอิง) (Shut down)
Measurement Date Dec 18 - 19, 2024
Measurement by Puwanart Pimpan
Sound Level Meter 00734218

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:25 AM - 12:30 AM	42.1	53.7	38.2
12:30 AM - 12:35 AM	41.7	50.1	38.2
12:35 AM - 12:40 AM	49.4	72.1	37.3
12:40 AM - 12:45 AM	40.8	50.7	36.9
12:45 AM - 12:50 AM	41.1	51.5	37.8
12:50 AM - 12:55 AM	44.6	62.6	38.1
12:55 AM - 01:00 AM	39.2	54.6	36.1
01:00 AM - 01:05 AM	43.0	65.5	36.7
01:05 AM - 01:10 AM	42.1	52.1	37.4
01:10 AM - 01:15 AM	39.3	46.1	36.8
01:15 AM - 01:20 AM	39.3	46.5	36.6
01:20 AM - 01:25 AM	38.4	48.2	35.8
01:25 AM - 01:30 AM	37.8	53.0	35.3
01:30 AM - 01:35 AM	39.6	56.1	35.3
01:35 AM - 01:40 AM	36.5	42.9	35.1
01:40 AM - 01:45 AM	36.4	40.1	35.1
01:45 AM - 01:50 AM	38.8	53.8	34.9
01:50 AM - 01:55 AM	36.4	42.4	35.0
01:55 AM - 02:00 AM	37.4	45.2	35.8
02:00 AM - 02:05 AM	36.7	44.3	35.1
02:05 AM - 02:10 AM	37.8	45.3	35.5
02:10 AM - 02:15 AM	47.5	70.3	35.3
02:15 AM - 02:20 AM	35.8	40.8	34.8
02:20 AM - 02:25 AM	39.5	53.0	35.2
02:25 AM - 02:30 AM	42.4	61.4	35.0
02:30 AM - 02:35 AM	36.8	49.9	35.0
02:35 AM - 02:40 AM	43.6	57.4	35.2
02:40 AM - 02:45 AM	43.1	59.2	36.4
02:45 AM - 02:50 AM	38.7	49.1	36.4
02:50 AM - 02:55 AM	38.4	47.9	36.4
02:55 AM - 03:00 AM	38.6	44.9	36.8
03:00 AM - 03:05 AM	45.7	75.2	36.6
03:05 AM - 03:10 AM	38.4	43.6	36.7
03:10 AM - 03:15 AM	37.8	44.3	36.1
03:15 AM - 03:20 AM	37.5	49.8	35.6
03:20 AM - 03:25 AM	38.9	52.8	35.6
03:25 AM - 03:30 AM	38.7	46.6	36.1
03:30 AM - 03:35 AM	38.6	50.0	36.5
03:35 AM - 03:40 AM	38.4	44.7	35.9
03:40 AM - 03:45 AM	38.7	49.7	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: 24124992
Date Received :Dec 23, 2024
Date Reported :Dec 25, 2024
Report No. : 3201457-1

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

Sample No. 24124992-11
Parameter Noise
Location บ้านพักอาศัย หมู่ 2 ซ.มาบยางพร 15 (N2) (GPS 47P 0733671, 1433988) (จุดอ้างอิง) (Shut down)
Measurement Date Dec 18 - 19, 2024
Measurement by Puwanart Pimpan
Sound Level Meter 00734218

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:45 AM - 03:50 AM	37.7	41.3	35.8
03:50 AM - 03:55 AM	41.3	56.4	37.0
03:55 AM - 04:00 AM	40.4	50.1	37.7
04:00 AM - 04:05 AM	48.6	66.6	43.2
04:05 AM - 04:10 AM	47.0	58.5	41.6
04:10 AM - 04:15 AM	45.7	55.9	42.4
04:15 AM - 04:20 AM	46.2	51.2	43.6
04:20 AM - 04:25 AM	44.0	53.3	41.2
04:25 AM - 04:30 AM	43.5	50.3	40.6
04:30 AM - 04:35 AM	42.8	56.1	39.3
04:35 AM - 04:40 AM	44.9	55.8	39.9
04:40 AM - 04:45 AM	49.0	55.6	41.1
04:45 AM - 04:50 AM	49.8	57.0	41.5
04:50 AM - 04:55 AM	50.0	58.0	42.2
04:55 AM - 05:00 AM	51.4	58.5	43.7
05:00 AM - 05:05 AM	48.7	55.1	41.6
05:05 AM - 05:10 AM	49.6	60.6	42.0
05:10 AM - 05:15 AM	47.4	57.3	40.6
05:15 AM - 05:20 AM	44.6	53.3	40.1
05:20 AM - 05:25 AM	51.9	68.2	41.1
05:25 AM - 05:30 AM	59.4	81.2	50.2
05:30 AM - 05:35 AM	55.9	72.8	45.4
05:35 AM - 05:40 AM	52.0	67.5	42.2
05:40 AM - 05:45 AM	45.8	54.5	40.8
05:45 AM - 05:50 AM	45.3	52.9	41.1
05:50 AM - 05:55 AM	44.7	53.7	38.6
05:55 AM - 06:00 AM	49.2	62.1	41.7
06:00 AM - 07:00 AM	58.3	84.7	48.7
07:00 AM - 08:00 AM	64.3	84.8	50.4
08:00 AM - 09:00 AM	57.3	79.8	49.4
09:00 AM - 10:00 AM	58.1	79.9	52.1
10:00 AM - 11:00 AM	57.5	79.1	51.9

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: 24124992
Date Received :Dec 23, 2024
Date Reported :Dec 25, 2024
Report No. : 3201458-1

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

Sample No. 24124992-12
Parameter Noise
Location บ้านพักอาศัย หมู่ 2 ซ.มาบยางพร 15 (N2) (GPS 47P 0733671, 1433988) (จุดอ้างอิง) (Shut down)
Measurement Date Dec 19 - 20, 2024
Measurement by Puwanart Pimpan
Sound Level Meter 00734218

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	53.3	73.7	47.3
12:00 PM - 01:00 PM	57.2	82.2	51.3
01:00 PM - 02:00 PM	56.9	87.0	52.6
02:00 PM - 03:00 PM	57.1	79.5	52.9
03:00 PM - 04:00 PM	56.3	76.1	52.1
04:00 PM - 05:00 PM	59.1	81.2	54.5
05:00 PM - 06:00 PM	55.6	85.7	47.5
06:00 PM - 07:00 PM	54.9	78.9	51.0
07:00 PM - 08:00 PM	54.3	74.5	51.1
08:00 PM - 09:00 PM	54.5	76.1	50.9
09:00 PM - 10:00 PM	53.5	65.4	50.4
10:00 PM - 10:05 PM	56.1	62.7	49.8
10:05 PM - 10:10 PM	57.5	62.5	51.1
10:10 PM - 10:15 PM	54.0	62.0	48.3
10:15 PM - 10:20 PM	56.6	65.7	50.7
10:20 PM - 10:25 PM	56.2	69.0	47.8
10:25 PM - 10:30 PM	54.0	61.8	48.3
10:30 PM - 10:35 PM	55.4	61.2	48.9
10:35 PM - 10:40 PM	54.3	61.1	47.6
10:40 PM - 10:45 PM	57.3	62.8	51.7
10:45 PM - 10:50 PM	58.4	62.8	51.3
10:50 PM - 10:55 PM	57.5	64.0	49.8
10:55 PM - 11:00 PM	57.3	61.8	47.6
11:00 PM - 11:05 PM	56.6	63.7	48.0
11:05 PM - 11:10 PM	58.0	62.7	47.7
11:10 PM - 11:15 PM	58.0	64.4	51.6
11:15 PM - 11:20 PM	54.0	62.3	44.8
11:20 PM - 11:25 PM	50.6	60.7	45.3
11:25 PM - 11:30 PM	53.7	58.4	48.7
11:30 PM - 11:35 PM	53.7	58.3	45.0
11:35 PM - 11:40 PM	53.4	63.7	47.7
11:40 PM - 11:45 PM	55.0	59.4	50.4
11:45 PM - 11:50 PM	55.1	59.7	51.1
11:50 PM - 11:55 PM	54.4	59.0	49.4
11:55 PM - 12:00 AM	54.0	59.4	46.0
12:00 AM - 12:05 AM	51.2	58.8	45.9
12:05 AM - 12:10 AM	53.4	61.1	47.9
12:10 AM - 12:15 AM	56.4	60.3	52.9
12:15 AM - 12:20 AM	52.4	59.1	47.3
12:20 AM - 12:25 AM	52.8	68.4	46.2

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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: 24124992
Date Received :Dec 23, 2024
Date Reported :Dec 25, 2024
Report No. : 3201458-1

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

Sample No. 24124992-12
Parameter Noise
Location บ้านพักอาศัย หมู่ 2 ซ.มาบยางพร 15 (N2) (GPS 47P 0733671, 1433988) (จุดอ้างอิง) (Shut down)
Measurement Date Dec 19 - 20, 2024
Measurement by Puwanart Pimpan
Sound Level Meter 00734218

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:25 AM - 12:30 AM	50.7	58.8	46.8
12:30 AM - 12:35 AM	54.0	71.9	48.0
12:35 AM - 12:40 AM	51.3	65.1	45.4
12:40 AM - 12:45 AM	50.8	61.1	47.4
12:45 AM - 12:50 AM	49.2	53.5	45.7
12:50 AM - 12:55 AM	49.0	59.2	44.7
12:55 AM - 01:00 AM	49.2	59.9	45.6
01:00 AM - 01:05 AM	50.0	56.9	45.6
01:05 AM - 01:10 AM	49.6	55.5	45.3
01:10 AM - 01:15 AM	52.3	56.9	46.9
01:15 AM - 01:20 AM	53.3	57.7	48.6
01:20 AM - 01:25 AM	54.4	59.0	49.9
01:25 AM - 01:30 AM	53.6	58.9	48.3
01:30 AM - 01:35 AM	50.5	56.9	45.7
01:35 AM - 01:40 AM	50.0	56.5	45.2
01:40 AM - 01:45 AM	54.3	58.6	50.4
01:45 AM - 01:50 AM	54.1	59.0	49.4
01:50 AM - 01:55 AM	53.9	62.8	49.5
01:55 AM - 02:00 AM	53.5	59.0	48.4
02:00 AM - 02:05 AM	52.5	57.5	45.2
02:05 AM - 02:10 AM	53.2	66.5	47.2
02:10 AM - 02:15 AM	53.2	58.4	47.7
02:15 AM - 02:20 AM	51.8	57.8	45.9
02:20 AM - 02:25 AM	51.2	56.5	45.8
02:25 AM - 02:30 AM	49.3	55.4	44.7
02:30 AM - 02:35 AM	49.2	64.4	44.7
02:35 AM - 02:40 AM	45.4	49.1	43.2
02:40 AM - 02:45 AM	46.8	54.9	43.4
02:45 AM - 02:50 AM	45.0	53.5	42.5
02:50 AM - 02:55 AM	47.4	60.4	42.3
02:55 AM - 03:00 AM	44.6	54.8	41.1
03:00 AM - 03:05 AM	45.4	53.2	40.7
03:05 AM - 03:10 AM	45.3	51.0	40.8
03:10 AM - 03:15 AM	46.5	60.5	40.4
03:15 AM - 03:20 AM	47.2	54.4	41.1
03:20 AM - 03:25 AM	49.3	55.1	40.9
03:25 AM - 03:30 AM	50.9	67.7	41.2
03:30 AM - 03:35 AM	50.1	61.1	40.7
03:35 AM - 03:40 AM	52.7	66.7	42.5
03:40 AM - 03:45 AM	46.5	55.2	40.0

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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: 24124992
Date Received :Dec 23, 2024
Date Reported :Dec 25, 2024
Report No. : 3201458-1

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

Sample No. 24124992-12
Parameter Noise
Location บ้านพักอาศัย หมู่ 2 ซ.มาบยางพร 15 (N2) (GPS 47P 0733671, 1433988) (จุดอ้างอิง) (Shut down)
Measurement Date Dec 19 - 20, 2024
Measurement by Puwanart Pimpan
Sound Level Meter 00734218

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:45 AM - 03:50 AM	43.0	48.7	39.7
03:50 AM - 03:55 AM	42.7	48.8	39.7
03:55 AM - 04:00 AM	43.3	53.3	39.2
04:00 AM - 04:05 AM	40.6	47.6	38.3
04:05 AM - 04:10 AM	41.7	52.9	38.5
04:10 AM - 04:15 AM	44.2	57.7	38.9
04:15 AM - 04:20 AM	40.6	49.4	38.0
04:20 AM - 04:25 AM	40.4	51.4	38.1
04:25 AM - 04:30 AM	41.6	51.2	37.8
04:30 AM - 04:35 AM	42.4	55.3	38.2
04:35 AM - 04:40 AM	40.7	47.5	38.5
04:40 AM - 04:45 AM	40.1	47.4	38.3
04:45 AM - 04:50 AM	44.7	56.6	39.6
04:50 AM - 04:55 AM	42.7	55.2	38.6
04:55 AM - 05:00 AM	42.9	55.2	38.6
05:00 AM - 05:05 AM	44.4	53.8	39.3
05:05 AM - 05:10 AM	45.5	55.0	39.3
05:10 AM - 05:15 AM	52.7	71.0	43.8
05:15 AM - 05:20 AM	47.9	57.5	41.6
05:20 AM - 05:25 AM	45.2	55.2	40.9
05:25 AM - 05:30 AM	43.4	51.5	40.2
05:30 AM - 05:35 AM	43.9	55.2	40.4
05:35 AM - 05:40 AM	48.9	64.8	42.1
05:40 AM - 05:45 AM	47.4	62.3	41.4
05:45 AM - 05:50 AM	45.3	56.1	40.8
05:50 AM - 05:55 AM	50.6	66.3	41.7
05:55 AM - 06:00 AM	51.0	67.3	43.6
06:00 AM - 07:00 AM	52.7	87.3	45.9
07:00 AM - 08:00 AM	56.9	77.0	50.5
08:00 AM - 09:00 AM	63.7	89.7	51.3
09:00 AM - 10:00 AM	59.1	82.8	53.9
10:00 AM - 11:00 AM	56.9	69.0	53.3

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: 24124992
Date Received :Dec 23, 2024
Date Reported :Dec 25, 2024
Report No. : 3201459-1

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

Sample No. 24124992-13
Parameter Noise
Location บ้านพักอาศัย หมู่ 2 ซ.มาบยางพร 15 (N2) (GPS 47P 0733671, 1433988) (จุดอ้างอิง) (Shut down)
Measurement Date Dec 20 - 21, 2024
Measurement by Puwanart Pimpan
Sound Level Meter 00734218

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	58.7	73.6	54.2
12:00 PM - 01:00 PM	56.7	86.5	50.3
01:00 PM - 02:00 PM	56.1	78.2	50.9
02:00 PM - 03:00 PM	57.0	76.0	52.0
03:00 PM - 04:00 PM	56.4	71.1	52.4
04:00 PM - 05:00 PM	56.2	73.6	51.8
05:00 PM - 06:00 PM	56.5	75.2	49.1
06:00 PM - 07:00 PM	56.9	72.5	54.4
07:00 PM - 08:00 PM	58.7	78.7	55.6
08:00 PM - 09:00 PM	59.6	73.3	55.0
09:00 PM - 10:00 PM	59.8	72.4	54.5
10:00 PM - 10:05 PM	63.0	71.5	59.8
10:05 PM - 10:10 PM	63.2	69.5	59.8
10:10 PM - 10:15 PM	63.6	71.3	59.3
10:15 PM - 10:20 PM	54.4	72.4	47.7
10:20 PM - 10:25 PM	50.8	56.8	47.9
10:25 PM - 10:30 PM	50.4	59.1	47.3
10:30 PM - 10:35 PM	49.5	57.5	45.8
10:35 PM - 10:40 PM	51.1	59.5	46.4
10:40 PM - 10:45 PM	49.9	57.7	45.5
10:45 PM - 10:50 PM	49.3	57.0	45.0
10:50 PM - 10:55 PM	48.9	56.3	44.6
10:55 PM - 11:00 PM	48.2	63.1	44.6
11:00 PM - 11:05 PM	49.2	57.7	45.5
11:05 PM - 11:10 PM	49.1	56.9	45.7
11:10 PM - 11:15 PM	49.0	55.5	45.8
11:15 PM - 11:20 PM	48.9	60.0	45.6
11:20 PM - 11:25 PM	51.9	72.8	45.8
11:25 PM - 11:30 PM	47.6	58.4	44.7
11:30 PM - 11:35 PM	53.5	72.4	44.0
11:35 PM - 11:40 PM	51.2	72.3	42.3
11:40 PM - 11:45 PM	49.1	61.4	43.0
11:45 PM - 11:50 PM	45.5	53.7	43.0
11:50 PM - 11:55 PM	49.6	57.1	43.8
11:55 PM - 12:00 AM	50.2	59.5	46.3
12:00 AM - 12:05 AM	50.0	58.2	45.3
12:05 AM - 12:10 AM	51.8	60.4	47.1
12:10 AM - 12:15 AM	50.9	59.8	45.3
12:15 AM - 12:20 AM	50.0	58.5	44.1
12:20 AM - 12:25 AM	53.5	60.1	46.7

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

Approved by

Wilawan Borirak
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: 24124992
Date Received :Dec 23, 2024
Date Reported :Dec 25, 2024
Report No. : 3201459-1

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

Sample No. 24124992-13
Parameter Noise
Location บ้านพักอาศัย หมู่ 2 ซ.มาบยางพร 15 (N2) (GPS 47P 0733671, 1433988) (จุดอ้างอิง) (Shut down)
Measurement Date Dec 20 - 21, 2024
Measurement by Puwanart Pimpan
Sound Level Meter 00734218

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:25 AM - 12:30 AM	53.3	60.3	45.3
12:30 AM - 12:35 AM	53.3	62.4	45.2
12:35 AM - 12:40 AM	52.8	58.9	45.3
12:40 AM - 12:45 AM	50.5	62.5	44.6
12:45 AM - 12:50 AM	52.7	65.9	45.1
12:50 AM - 12:55 AM	59.0	80.9	44.0
12:55 AM - 01:00 AM	52.0	58.6	46.0
01:00 AM - 01:05 AM	51.9	57.5	45.7
01:05 AM - 01:10 AM	51.9	58.1	44.0
01:10 AM - 01:15 AM	52.6	62.9	45.0
01:15 AM - 01:20 AM	51.4	60.1	43.4
01:20 AM - 01:25 AM	51.2	57.4	43.1
01:25 AM - 01:30 AM	52.7	61.3	43.9
01:30 AM - 01:35 AM	51.6	57.9	43.7
01:35 AM - 01:40 AM	50.6	57.8	42.6
01:40 AM - 01:45 AM	51.5	59.0	43.5
01:45 AM - 01:50 AM	51.2	56.9	42.5
01:50 AM - 01:55 AM	51.3	70.5	40.6
01:55 AM - 02:00 AM	45.9	57.2	40.4
02:00 AM - 02:05 AM	50.5	67.5	39.6
02:05 AM - 02:10 AM	40.6	44.8	39.1
02:10 AM - 02:15 AM	39.7	42.8	38.5
02:15 AM - 02:20 AM	42.6	53.5	39.5
02:20 AM - 02:25 AM	40.8	49.6	38.9
02:25 AM - 02:30 AM	43.9	56.8	39.0
02:30 AM - 02:35 AM	43.2	52.6	38.8
02:35 AM - 02:40 AM	39.5	45.3	38.2
02:40 AM - 02:45 AM	39.9	46.0	38.3
02:45 AM - 02:50 AM	41.2	49.9	38.8
02:50 AM - 02:55 AM	40.4	46.1	38.5
02:55 AM - 03:00 AM	40.7	51.2	38.3
03:00 AM - 03:05 AM	41.9	56.1	38.2
03:05 AM - 03:10 AM	40.8	45.1	38.5
03:10 AM - 03:15 AM	41.9	50.9	38.2
03:15 AM - 03:20 AM	43.4	57.3	38.4
03:20 AM - 03:25 AM	44.5	53.5	39.5
03:25 AM - 03:30 AM	41.3	53.9	37.8
03:30 AM - 03:35 AM	40.8	45.7	37.6
03:35 AM - 03:40 AM	42.0	56.7	38.1
03:40 AM - 03:45 AM	38.7	48.0	37.6

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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: 24124992
Date Received :Dec 23, 2024
Date Reported :Dec 25, 2024
Report No. : 3201459-1

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

Sample No. 24124992-13
Parameter Noise
Location บ้านพักอาศัย หมู่ 2 ซ.มาบยางพร 15 (N2) (GPS 47P 0733671, 1433988) (จุดอ้างอิง) (Shut down)
Measurement Date Dec 20 - 21, 2024
Measurement by Puwanart Pimpan
Sound Level Meter 00734218

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:45 AM - 03:50 AM	42.5	54.7	38.3
03:50 AM - 03:55 AM	42.3	61.1	37.1
03:55 AM - 04:00 AM	44.3	57.0	38.3
04:00 AM - 04:05 AM	49.1	59.1	38.1
04:05 AM - 04:10 AM	47.5	60.1	38.2
04:10 AM - 04:15 AM	42.9	57.3	36.8
04:15 AM - 04:20 AM	44.2	59.1	37.4
04:20 AM - 04:25 AM	42.8	57.4	37.2
04:25 AM - 04:30 AM	40.6	49.6	37.7
04:30 AM - 04:35 AM	42.0	50.7	38.2
04:35 AM - 04:40 AM	43.2	53.1	38.0
04:40 AM - 04:45 AM	41.5	54.6	37.8
04:45 AM - 04:50 AM	46.8	61.9	39.0
04:50 AM - 04:55 AM	45.0	54.8	39.8
04:55 AM - 05:00 AM	46.3	61.7	38.2
05:00 AM - 05:05 AM	43.8	55.1	38.4
05:05 AM - 05:10 AM	47.9	59.7	42.9
05:10 AM - 05:15 AM	52.7	70.7	45.4
05:15 AM - 05:20 AM	47.7	57.0	43.2
05:20 AM - 05:25 AM	46.1	64.1	41.7
05:25 AM - 05:30 AM	47.8	56.0	44.1
05:30 AM - 05:35 AM	48.3	58.8	42.4
05:35 AM - 05:40 AM	47.2	61.7	39.6
05:40 AM - 05:45 AM	47.2	59.0	41.5
05:45 AM - 05:50 AM	46.8	55.0	42.1
05:50 AM - 05:55 AM	49.2	57.6	46.1
05:55 AM - 06:00 AM	50.2	63.6	45.7
06:00 AM - 07:00 AM	51.7	68.4	45.0
07:00 AM - 08:00 AM	55.7	75.1	48.2
08:00 AM - 09:00 AM	56.3	76.5	49.5
09:00 AM - 10:00 AM	56.8	73.4	53.3
10:00 AM - 11:00 AM	54.8	76.7	51.9

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: 24124992
Date Received :Dec 23, 2024
Date Reported :Dec 25, 2024
Report No. : 3201460-1

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

Sample No. 24124992-14
Parameter Noise
Location บ้านพักอาศัย หมู่ 2 ซ.มาบยางพร 15 (N2) (GPS 47P 0733671, 1433988) (จุดอ้างอิง) (Shut down)
Measurement Date Dec 21 - 22, 2024
Measurement by Puwanart Pimpan
Sound Level Meter 00734218

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
11:00 AM - 12:00 PM	52.6	73.9	47.2
12:00 PM - 01:00 PM	54.5	86.8	45.9
01:00 PM - 02:00 PM	54.1	72.6	49.1
02:00 PM - 03:00 PM	54.0	72.0	48.9
03:00 PM - 04:00 PM	57.2	84.1	52.6
04:00 PM - 05:00 PM	57.5	81.4	52.6
05:00 PM - 06:00 PM	56.7	83.1	51.6
06:00 PM - 07:00 PM	58.9	73.2	56.8
07:00 PM - 08:00 PM	58.1	83.1	54.2
08:00 PM - 09:00 PM	53.1	75.4	48.8
09:00 PM - 10:00 PM	51.2	76.1	47.5
10:00 PM - 10:05 PM	49.4	55.3	47.4
10:05 PM - 10:10 PM	52.5	68.0	47.5
10:10 PM - 10:15 PM	48.6	57.1	46.9
10:15 PM - 10:20 PM	50.1	61.0	47.0
10:20 PM - 10:25 PM	52.3	69.5	47.1
10:25 PM - 10:30 PM	51.8	60.7	47.6
10:30 PM - 10:35 PM	52.6	62.5	48.3
10:35 PM - 10:40 PM	52.3	63.0	47.5
10:40 PM - 10:45 PM	53.0	63.7	46.5
10:45 PM - 10:50 PM	51.9	57.5	46.6
10:50 PM - 10:55 PM	51.7	59.1	46.8
10:55 PM - 11:00 PM	52.7	58.4	47.9
11:00 PM - 11:05 PM	56.1	60.8	49.3
11:05 PM - 11:10 PM	57.0	61.0	53.7
11:10 PM - 11:15 PM	57.7	63.9	55.7
11:15 PM - 11:20 PM	57.3	60.4	55.2
11:20 PM - 11:25 PM	57.2	63.5	55.2
11:25 PM - 11:30 PM	57.2	62.5	52.1
11:30 PM - 11:35 PM	57.4	63.1	55.1
11:35 PM - 11:40 PM	55.9	62.3	53.1
11:40 PM - 11:45 PM	54.7	60.7	46.8
11:45 PM - 11:50 PM	50.1	60.6	45.7
11:50 PM - 11:55 PM	50.6	59.6	46.5
11:55 PM - 12:00 AM	51.2	56.9	47.6
12:00 AM - 12:05 AM	53.5	60.9	46.0
12:05 AM - 12:10 AM	53.3	59.9	45.6
12:10 AM - 12:15 AM	53.1	64.2	45.6
12:15 AM - 12:20 AM	52.9	61.2	45.4
12:20 AM - 12:25 AM	53.0	62.8	45.6

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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: 24124992
Date Received :Dec 23, 2024
Date Reported :Dec 25, 2024
Report No. : 3201460-1

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

Sample No. 24124992-14
Parameter Noise
Location บ้านพักอาศัย หมู่ 2 ซ.มาบยางพร 15 (N2) (GPS 47P 0733671, 1433988) (จุดอ้างอิง) (Shut down)
Measurement Date Dec 21 - 22, 2024
Measurement by Puwanart Pimpan
Sound Level Meter 00734218

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:25 AM - 12:30 AM	52.3	59.9	45.6
12:30 AM - 12:35 AM	50.9	64.9	43.6
12:35 AM - 12:40 AM	53.9	60.7	44.9
12:40 AM - 12:45 AM	54.1	60.8	44.7
12:45 AM - 12:50 AM	57.4	69.3	48.8
12:50 AM - 12:55 AM	56.0	60.2	48.2
12:55 AM - 01:00 AM	53.8	60.5	44.8
01:00 AM - 01:05 AM	46.4	53.6	43.9
01:05 AM - 01:10 AM	54.3	60.4	44.5
01:10 AM - 01:15 AM	53.2	68.1	45.7
01:15 AM - 01:20 AM	55.1	59.9	45.9
01:20 AM - 01:25 AM	55.4	60.6	46.3
01:25 AM - 01:30 AM	56.6	61.0	47.4
01:30 AM - 01:35 AM	54.7	61.3	45.0
01:35 AM - 01:40 AM	56.4	61.5	47.3
01:40 AM - 01:45 AM	55.7	60.8	44.1
01:45 AM - 01:50 AM	55.6	60.6	44.9
01:50 AM - 01:55 AM	56.0	61.0	45.2
01:55 AM - 02:00 AM	55.5	60.8	45.3
02:00 AM - 02:05 AM	54.6	60.3	44.3
02:05 AM - 02:10 AM	50.1	59.9	43.4
02:10 AM - 02:15 AM	46.7	63.1	43.4
02:15 AM - 02:20 AM	45.5	52.9	42.5
02:20 AM - 02:25 AM	46.1	53.4	42.8
02:25 AM - 02:30 AM	45.0	52.1	42.5
02:30 AM - 02:35 AM	43.4	52.2	41.2
02:35 AM - 02:40 AM	43.2	52.5	40.8
02:40 AM - 02:45 AM	44.4	51.8	41.9
02:45 AM - 02:50 AM	45.9	60.3	42.3
02:50 AM - 02:55 AM	44.4	54.9	41.9
02:55 AM - 03:00 AM	44.4	53.0	42.6
03:00 AM - 03:05 AM	48.4	70.9	42.0
03:05 AM - 03:10 AM	43.1	48.7	41.5
03:10 AM - 03:15 AM	44.7	57.2	41.6
03:15 AM - 03:20 AM	45.6	56.8	41.6
03:20 AM - 03:25 AM	47.0	55.6	41.7
03:25 AM - 03:30 AM	48.8	55.8	43.5
03:30 AM - 03:35 AM	47.6	55.3	43.3
03:35 AM - 03:40 AM	47.5	57.3	42.1
03:40 AM - 03:45 AM	50.4	64.1	42.9

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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: 24124992
Date Received :Dec 23, 2024
Date Reported :Dec 25, 2024
Report No. : 3201460-1

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

Sample No. 24124992-14
Parameter Noise
Location บ้านพักอาศัย หมู่ 2 ซ.มาบยางพร 15 (N2) (GPS 47P 0733671, 1433988) (จุดอ้างอิง) (Shut down)
Measurement Date Dec 21 - 22, 2024
Measurement by Puwanart Pimpan
Sound Level Meter 00734218

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
03:45 AM - 03:50 AM	49.2	67.2	43.8
03:50 AM - 03:55 AM	47.6	59.1	42.2
03:55 AM - 04:00 AM	46.3	56.5	43.0
04:00 AM - 04:05 AM	46.8	51.8	44.2
04:05 AM - 04:10 AM	44.6	53.9	41.8
04:10 AM - 04:15 AM	44.1	50.9	41.2
04:15 AM - 04:20 AM	43.4	56.7	39.9
04:20 AM - 04:25 AM	45.5	56.4	40.5
04:25 AM - 04:30 AM	49.6	56.2	41.7
04:30 AM - 04:35 AM	50.4	57.6	42.1
04:35 AM - 04:40 AM	50.6	58.6	42.8
04:40 AM - 04:45 AM	52.0	59.1	44.3
04:45 AM - 04:50 AM	49.3	55.7	42.2
04:50 AM - 04:55 AM	50.2	61.2	42.6
04:55 AM - 05:00 AM	48.0	57.9	41.2
05:00 AM - 05:05 AM	45.2	53.9	40.7
05:05 AM - 05:10 AM	52.5	68.8	41.7
05:10 AM - 05:15 AM	60.0	81.8	50.8
05:15 AM - 05:20 AM	56.5	73.4	46.0
05:20 AM - 05:25 AM	52.6	68.1	42.8
05:25 AM - 05:30 AM	46.4	55.1	41.4
05:30 AM - 05:35 AM	45.9	53.5	41.7
05:35 AM - 05:40 AM	45.3	54.3	39.2
05:40 AM - 05:45 AM	49.8	62.7	42.3
05:45 AM - 05:50 AM	45.3	57.4	39.7
05:50 AM - 05:55 AM	51.1	71.4	42.0
05:55 AM - 06:00 AM	55.8	77.9	43.5
06:00 AM - 07:00 AM	52.0	84.3	45.0
07:00 AM - 08:00 AM	55.1	83.0	47.4
08:00 AM - 09:00 AM	60.5	85.3	51.4
09:00 AM - 10:00 AM	63.5	83.6	59.7
10:00 AM - 11:00 AM	62.6	76.8	57.0

Reference Method :
1. ISO 1996-1
2. ประกาศกรมโรงงานอุตสาหกรรม เรื่อง วิธีการตรวจวัดระดับเสียงการรบกวน ระดับเสียงเฉลี่ย 24 ชั่วโมง และระดับเสียงสูงสุดที่เกิดจากการประกอบกิจการโรงงาน พ.ศ. 2567

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