

## ภาคผนวก ค

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ใบรับรองผลการตรวจวิเคราะห์คุณภาพสิ่งแวดล้อม

# ภาคผนวก ค-1

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คุณภาพอากาศในบรรยากาศโดยทั่วไป



## Analysis / Test Report

**Client :** Glow IPP Co., Ltd.  
42 Moo 8, CIE 8 Road, Bowin, Sriracha, Chonburi Thailand 20230  
**P/O :** 3100021227  
**Project Name :**  
**Project Location :**

**Lot ID: 2525912**

Date Received : Jun 16, 2025  
Date Reported : Jun 21, 2025  
Report Number: 3340694-1

Page 1 of 1

**Sample Description** Air Quality  
**Location** ร่มรั้วโครงการด้านทิศตะวันออก (A1) (GPS 47P 0726247, 1447576)  
**Parameter** Nitrogen dioxide (ppm)  
**Measurement Date** Jun 07, 2025 - Jun 14, 2025  
**Measurement by** Santi Chaichana

	2525912-1	2525912-2	2525912-3	2525912-4	2525912-5	2525912-6	2525912-7
Time	Jun 07, 2025	Jun 08, 2025	Jun 09, 2025	Jun 10, 2025	Jun 11, 2025	Jun 12, 2025	Jun 13, 2025
11:00 AM - 12:00 PM	0.0014	0.0009	0.0011	0.0010	0.0014	0.0009	0.0011
12:00 PM - 01:00 PM	0.0016	0.0014	0.0017	0.0013	0.0015	0.0011	0.0013
01:00 PM - 02:00 PM	0.0019	0.0013	0.0014	0.0011	0.0012	0.0012	0.0008
02:00 PM - 03:00 PM	0.0024	0.0012	0.0012	0.0011	0.0013	0.0011	0.0010
03:00 PM - 04:00 PM	0.0027	0.0012	0.0010	0.0011	0.0011	0.0009	0.0011
04:00 PM - 05:00 PM	0.0019	0.0011	0.0011	0.0011	0.0013	0.0011	0.0014
05:00 PM - 06:00 PM	0.0023	0.0011	0.0009	0.0010	0.0013	0.0012	0.0014
06:00 PM - 07:00 PM	0.0016	0.0015	0.0016	0.0014	0.0018	0.0014	0.0017
07:00 PM - 08:00 PM	0.0021	0.0012	0.0013	0.0013	0.0014	0.0016	0.0015
08:00 PM - 09:00 PM	0.0023	0.0014	0.0018	0.0015	0.0016	0.0013	0.0014
09:00 PM - 10:00 PM	0.0023	0.0012	0.0015	0.0018	0.0014	0.0012	0.0017
10:00 PM - 11:00 PM	0.0014	0.0014	0.0014	0.0015	0.0009	0.0010	0.0011
11:00 PM - 12:00 AM	0.0013	0.0014	0.0010	0.0012	0.0013	0.0009	0.0016
12:00 AM - 01:00 AM	0.0017	0.0015	0.0012	0.0013	0.0013	0.0013	0.0017
01:00 AM - 02:00 AM	0.0013	0.0014	0.0010	0.0011	0.0014	0.0011	0.0014
02:00 AM - 03:00 AM	0.0017	0.0012	0.0012	0.0011	0.0013	0.0012	0.0013
03:00 AM - 04:00 AM	0.0020	0.0013	0.0011	0.0012	0.0012	0.0014	0.0012
04:00 AM - 05:00 AM	0.0016	0.0014	0.0008	0.0008	0.0009	0.0010	0.0010
05:00 AM - 06:00 AM	0.0017	0.0016	0.0011	0.0012	0.0011	0.0014	0.0014
06:00 AM - 07:00 AM	0.0022	0.0033	0.0044	0.0016	0.0021	0.0023	0.0012
07:00 AM - 08:00 AM	0.0016	0.0023	0.0020	0.0020	0.0015	0.0020	0.0014
08:00 AM - 09:00 AM	0.0011	0.0017	0.0015	0.0015	0.0014	0.0018	0.0012
09:00 AM - 10:00 AM	0.0012	0.0016	0.0014	0.0013	0.0010	0.0014	0.0012
10:00 AM - 11:00 AM	0.0011	0.0011	0.0012	0.0012	0.0012	0.0013	0.0012
Average	0.0018	0.0014	0.0014	0.0013	0.0013	0.0013	0.0013
1hr - Maximum	0.0027	0.0033	0.0044	0.0020	0.0021	0.0023	0.0017
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 : U.S. Environmental Protection Agency Method Part 50 App. F (Chemiluminescence)

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Approved by

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



## Analysis / Test Report

**Client :** Glow IPP Co., Ltd.  
42 Moo 8, CIE 8 Road, Bowin, Sriracha, Chonburi Thailand 20230  
**P/O :** 3100021227  
**Project Name :**  
**Project Location :**

**Lot ID: 2525912**

Date Received : Jun 16, 2025  
Date Reported : Jun 21, 2025  
Report Number: 3340695-1

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**Sample Description** Air Quality  
**Location** บริเวณสถานีไฟฟ้าย่อย (A2) (GPS 47P 0726077, 1447565)  
**Parameter** Nitrogen dioxide (ppm)  
**Measurement Date** Jun 07, 2025 - Jun 14, 2025  
**Measurement by** Santi Chaichana

	2525912-8	2525912-9	2525912-10	2525912-11	2525912-12	2525912-13	2525912-14
Time	Jun 07, 2025	Jun 08, 2025	Jun 09, 2025	Jun 10, 2025	Jun 11, 2025	Jun 12, 2025	Jun 13, 2025
11:00 AM - 12:00 PM	0.0029	0.0012	0.0012	0.0011	0.0017	0.0010	0.0011
12:00 PM - 01:00 PM	0.0029	0.0012	0.0016	0.0013	0.0018	0.0017	0.0013
01:00 PM - 02:00 PM	0.0019	0.0013	0.0013	0.0012	0.0020	0.0017	0.0013
02:00 PM - 03:00 PM	0.0043	0.0014	0.0016	0.0012	0.0014	0.0014	0.0018
03:00 PM - 04:00 PM	0.0017	0.0011	0.0013	0.0010	0.0017	0.0016	0.0010
04:00 PM - 05:00 PM	0.0030	0.0013	0.0020	0.0010	0.0016	0.0017	0.0013
05:00 PM - 06:00 PM	0.0034	0.0017	0.0013	0.0017	0.0020	0.0016	0.0017
06:00 PM - 07:00 PM	0.0047	0.0019	0.0017	0.0021	0.0026	0.0018	0.0026
07:00 PM - 08:00 PM	0.0030	0.0021	0.0023	0.0020	0.0028	0.0022	0.0024
08:00 PM - 09:00 PM	0.0025	0.0021	0.0026	0.0024	0.0024	0.0018	0.0022
09:00 PM - 10:00 PM	0.0020	0.0019	0.0016	0.0025	0.0018	0.0012	0.0016
10:00 PM - 11:00 PM	0.0015	0.0016	0.0016	0.0022	0.0018	0.0009	0.0013
11:00 PM - 12:00 AM	0.0017	0.0019	0.0012	0.0019	0.0016	0.0014	0.0016
12:00 AM - 01:00 AM	0.0018	0.0020	0.0019	0.0016	0.0017	0.0013	0.0021
01:00 AM - 02:00 AM	0.0014	0.0019	0.0014	0.0016	0.0016	0.0015	0.0019
02:00 AM - 03:00 AM	0.0015	0.0013	0.0014	0.0013	0.0018	0.0012	0.0015
03:00 AM - 04:00 AM	<0.0001	0.0013	0.0013	0.0012	0.0012	0.0016	0.0013
04:00 AM - 05:00 AM	<0.0001	0.0014	0.0016	0.0015	0.0014	0.0010	0.0011
05:00 AM - 06:00 AM	0.0017	0.0010	0.0016	0.0013	0.0013	0.0021	0.0014
06:00 AM - 07:00 AM	0.0021	0.0014	0.0018	0.0019	0.0024	0.0033	0.0016
07:00 AM - 08:00 AM	0.0015	0.0026	0.0025	0.0027	0.0020	0.0032	0.0019
08:00 AM - 09:00 AM	0.0015	0.0024	0.0017	0.0024	0.0020	0.0024	0.0016
09:00 AM - 10:00 AM	0.0011	0.0014	0.0010	0.0013	0.0012	0.0017	0.0013
10:00 AM - 11:00 AM	0.0011	0.0010	0.0016	0.0013	0.0013	0.0015	0.0017
Average	0.0020	0.0016	0.0016	0.0017	0.0018	0.0017	0.0016
1hr - Maximum	0.0047	0.0026	0.0026	0.0027	0.0028	0.0033	0.0026
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 : U.S. Environmental Protection Agency Method Part 50 App. F (Chemiluminescence)

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Approved by

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## Analysis / Test Report

**Client :** Glow IPP Co., Ltd.  
42 Moo 8, CIE 8 Road, Bowin, Sriracha, Chonburi Thailand 20230  
**P/O :** 3100021227  
**Project Name :**  
**Project Location :**

**Lot ID: 2525912**

Date Received : Jun 16, 2025  
Date Reported : Jun 21, 2025  
Report Number: 3340696-1

Page 1 of 1

**Sample Description** Air Quality  
**Location** วัดห้วยบงวนาราม (A3) (GPS 47P 0727879, 1441130)  
**Parameter** Nitrogen dioxide (ppm)  
**Measurement Date** Jun 07, 2025 - Jun 14, 2025  
**Measurement by** Santi Chaichana

	2525912-15	2525912-16	2525912-17	2525912-18	2525912-19	2525912-20	2525912-21
Time	Jun 07, 2025	Jun 08, 2025	Jun 09, 2025	Jun 10, 2025	Jun 11, 2025	Jun 12, 2025	Jun 13, 2025
10:00 AM - 11:00 AM	0.0240	0.0024	0.0018	0.0017	0.0051	0.0012	0.0025
11:00 AM - 12:00 PM	0.0017	0.0020	0.0016	0.0016	0.0048	0.0012	0.0018
12:00 PM - 01:00 PM	0.0034	0.0035	0.0015	0.0017	0.0050	0.0018	0.0011
01:00 PM - 02:00 PM	0.0050	0.0032	0.0016	0.0017	0.0034	0.0010	0.0011
02:00 PM - 03:00 PM	0.0114	0.0018	0.0020	0.0024	0.0026	0.0024	0.0021
03:00 PM - 04:00 PM	0.0172	0.0018	0.0016	0.0025	0.0032	0.0034	0.0038
04:00 PM - 05:00 PM	0.0220	0.0017	0.0050	0.0020	0.0060	0.0029	0.0069
05:00 PM - 06:00 PM	0.0199	0.0029	0.0044	0.0031	0.0080	0.0033	0.0059
06:00 PM - 07:00 PM	0.0246	0.0044	0.0049	0.0044	0.0087	0.0057	0.0077
07:00 PM - 08:00 PM	0.0218	0.0084	0.0054	0.0054	0.0147	0.0078	0.0081
08:00 PM - 09:00 PM	0.0158	0.0109	0.0073	0.0086	0.0115	0.0083	0.0100
09:00 PM - 10:00 PM	0.0095	0.0100	0.0086	0.0088	0.0106	0.0049	0.0110
10:00 PM - 11:00 PM	0.0131	0.0068	0.0049	0.0080	0.0079	0.0019	0.0077
11:00 PM - 12:00 AM	0.0126	0.0053	0.0071	0.0077	0.0081	0.0019	0.0052
12:00 AM - 01:00 AM	0.0111	0.0070	0.0058	0.0076	0.0084	0.0017	0.0061
01:00 AM - 02:00 AM	0.0093	0.0055	0.0048	0.0032	0.0044	0.0019	0.0050
02:00 AM - 03:00 AM	0.0062	0.0033	0.0044	0.0031	0.0034	0.0017	0.0022
03:00 AM - 04:00 AM	0.0046	0.0033	0.0047	0.0042	0.0039	0.0026	0.0032
04:00 AM - 05:00 AM	0.0040	0.0027	0.0051	0.0043	0.0044	0.0026	0.0041
05:00 AM - 06:00 AM	0.0050	0.0040	0.0070	0.0044	0.0043	0.0062	0.0068
06:00 AM - 07:00 AM	0.0056	0.0047	0.0064	0.0090	0.0043	0.0105	0.0078
07:00 AM - 08:00 AM	0.0070	0.0066	0.0101	0.0125	0.0054	0.0131	0.0079
08:00 AM - 09:00 AM	0.0020	0.0078	0.0031	0.0088	0.0046	0.0084	0.0039
09:00 AM - 10:00 AM	0.0016	0.0043	0.0020	0.0065	0.0022	0.0051	0.0074
Average	0.0108	0.0048	0.0046	0.0051	0.0060	0.0042	0.0054
1hr - Maximum	0.0246	0.0109	0.0101	0.0125	0.0147	0.0131	0.0110
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 : U.S. Environmental Protection Agency Method Part 50 App. F (Chemiluminescence)

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## Analysis / Test Report

**Client :** Glow IPP Co., Ltd.  
42 Moo 8, CIE 8 Road, Bowin, Sriracha, Chonburi Thailand 20230  
**P/O :** 3100021227  
**Project Name :**  
**Project Location :**

**Lot ID: 2525912**

Date Received : Jun 16, 2025  
Date Reported : Jun 21, 2025  
Report Number: 3340697-1

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**Sample Description** Air Quality  
**Location** วัดบ่อวิน (A4) (GPS 47P 0723647, 1444280)  
**Parameter** Nitrogen dioxide (ppm)  
**Measurement Date** Jun 07, 2025 - Jun 14, 2025  
**Measurement by** Santi Chaichana

	2525912-22	2525912-23	2525912-24	2525912-25	2525912-26	2525912-27	2525912-28
Time	Jun 07, 2025	Jun 08, 2025	Jun 09, 2025	Jun 10, 2025	Jun 11, 2025	Jun 12, 2025	Jun 13, 2025
01:00 PM - 02:00 PM	0.0026	0.0023	0.0024	0.0029	0.0037	0.0031	0.0029
02:00 PM - 03:00 PM	0.0021	0.0046	0.0028	0.0029	0.0042	0.0032	0.0031
03:00 PM - 04:00 PM	0.0068	0.0040	0.0029	0.0031	0.0044	0.0033	0.0065
04:00 PM - 05:00 PM	0.0077	0.0030	0.0041	0.0031	0.0058	0.0039	0.0091
05:00 PM - 06:00 PM	0.0105	0.0038	0.0048	0.0040	0.0055	0.0049	0.0084
06:00 PM - 07:00 PM	0.0110	0.0039	0.0066	0.0042	0.0093	0.0075	0.0081
07:00 PM - 08:00 PM	0.0061	0.0051	0.0053	0.0065	0.0077	0.0058	0.0078
08:00 PM - 09:00 PM	0.0041	0.0052	0.0054	0.0077	0.0054	0.0048	0.0083
09:00 PM - 10:00 PM	0.0061	0.0035	0.0070	0.0075	0.0072	0.0042	0.0071
10:00 PM - 11:00 PM	0.0047	0.0033	0.0045	0.0073	0.0041	0.0021	0.0046
11:00 PM - 12:00 AM	0.0037	0.0040	0.0035	0.0040	0.0029	0.0018	0.0049
12:00 AM - 01:00 AM	0.0040	0.0033	0.0038	0.0023	0.0026	0.0024	0.0047
01:00 AM - 02:00 AM	0.0038	0.0019	0.0036	0.0029	0.0039	0.0025	0.0039
02:00 AM - 03:00 AM	0.0032	0.0020	0.0034	0.0025	0.0024	0.0027	0.0034
03:00 AM - 04:00 AM	0.0028	0.0035	0.0041	0.0021	0.0036	0.0044	0.0041
04:00 AM - 05:00 AM	0.0035	0.0030	0.0042	0.0022	0.0036	0.0067	0.0026
05:00 AM - 06:00 AM	0.0052	0.0055	0.0070	0.0038	0.0038	0.0067	0.0042
06:00 AM - 07:00 AM	0.0050	0.0080	0.0146	0.0108	0.0094	0.0125	0.0042
07:00 AM - 08:00 AM	0.0028	0.0064	0.0082	0.0114	0.0088	0.0106	0.0033
08:00 AM - 09:00 AM	0.0019	0.0038	0.0051	0.0082	0.0054	0.0064	0.0033
09:00 AM - 10:00 AM	0.0021	0.0027	0.0044	0.0051	0.0039	0.0059	0.0031
10:00 AM - 11:00 AM	0.0016	0.0026	0.0037	0.0046	0.0035	0.0049	0.0025
11:00 AM - 12:00 PM	0.0028	0.0038	0.0033	0.0044	0.0031	0.0038	0.0026
12:00 PM - 01:00 PM	0.0025	0.0026	0.0028	0.0037	0.0030	0.0032	0.0034
Average	0.0044	0.0038	0.0049	0.0049	0.0049	0.0049	0.0048
1hr - Maximum	0.0110	0.0080	0.0146	0.0114	0.0094	0.0125	0.0091
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 : U.S. Environmental Protection Agency Method Part 50 App. F (Chemiluminescence)

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

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## Analysis / Test Report

**Client :** Glow IPP Co., Ltd.  
42 Moo 8, CIE 8 Road, Bowin, Sriracha, Chonburi Thailand 20230  
**P/O :** 3100021227  
**Project Name :**  
**Project Location :**

**Lot ID: 2525912**

Date Received : Jun 16, 2025  
Date Reported : Jun 21, 2025  
Report Number: 3340699-1

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**Sample Description** Air Quality  
**Location** วัดพันเสด็จนอก (A5) (GPS 47P 0729688, 1447669)  
**Parameter** Nitrogen dioxide (ppm)  
**Measurement Date** Jun 07, 2025 - Jun 14, 2025  
**Measurement by** Santi Chaichana

	2525912-29	2525912-30	2525912-31	2525912-32	2525912-33	2525912-34	2525912-35
Time	Jun 07, 2025	Jun 08, 2025	Jun 09, 2025	Jun 10, 2025	Jun 11, 2025	Jun 12, 2025	Jun 13, 2025
12:00 PM - 01:00 PM	0.0017	0.0026	0.0017	0.0015	0.0032	0.0014	0.0019
01:00 PM - 02:00 PM	0.0034	0.0031	0.0015	0.0014	0.0029	0.0015	0.0019
02:00 PM - 03:00 PM	0.0062	0.0025	0.0016	0.0014	0.0032	0.0024	0.0024
03:00 PM - 04:00 PM	0.0105	0.0026	0.0034	0.0019	0.0042	0.0064	0.0031
04:00 PM - 05:00 PM	0.0113	0.0035	0.0034	0.0024	0.0061	0.0030	0.0054
05:00 PM - 06:00 PM	0.0131	0.0045	0.0039	0.0032	0.0057	0.0032	0.0042
06:00 PM - 07:00 PM	0.0129	0.0053	0.0044	0.0040	0.0050	0.0029	0.0093
07:00 PM - 08:00 PM	0.0101	0.0046	0.0060	0.0046	0.0092	0.0040	0.0104
08:00 PM - 09:00 PM	0.0059	0.0051	0.0049	0.0052	0.0053	0.0062	0.0047
09:00 PM - 10:00 PM	0.0052	0.0053	0.0051	0.0088	0.0047	0.0047	0.0064
10:00 PM - 11:00 PM	0.0058	0.0038	0.0046	0.0041	0.0043	0.0025	0.0079
11:00 PM - 12:00 AM	0.0047	0.0044	0.0024	0.0042	0.0077	0.0025	0.0050
12:00 AM - 01:00 AM	0.0038	0.0040	0.0016	0.0036	0.0050	0.0012	0.0047
01:00 AM - 02:00 AM	0.0040	0.0021	0.0073	0.0017	0.0023	0.0009	0.0022
02:00 AM - 03:00 AM	0.0030	0.0022	0.0065	0.0011	0.0023	0.0009	0.0021
03:00 AM - 04:00 AM	0.0034	0.0019	0.0020	0.0015	0.0022	0.0028	0.0020
04:00 AM - 05:00 AM	0.0039	0.0022	0.0035	0.0021	0.0021	0.0033	0.0034
05:00 AM - 06:00 AM	0.0042	0.0052	0.0087	0.0022	0.0015	0.0051	0.0034
06:00 AM - 07:00 AM	0.0055	0.0069	0.0075	0.0047	0.0033	0.0082	0.0050
07:00 AM - 08:00 AM	0.0047	0.0067	0.0057	0.0054	0.0039	0.0105	0.0051
08:00 AM - 09:00 AM	0.0030	0.0050	0.0028	0.0058	0.0033	0.0089	0.0029
09:00 AM - 10:00 AM	0.0029	0.0029	0.0033	0.0037	0.0023	0.0056	0.0031
10:00 AM - 11:00 AM	0.0025	0.0024	0.0021	0.0025	0.0016	0.0031	0.0029
11:00 AM - 12:00 PM	0.0026	0.0019	0.0023	0.0042	0.0017	0.0022	0.0033
Average	0.0056	0.0038	0.0040	0.0034	0.0039	0.0039	0.0043
1hr - Maximum	0.0131	0.0069	0.0087	0.0088	0.0092	0.0105	0.0104
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 : U.S. Environmental Protection Agency Method Part 50 App. F (Chemiluminescence)

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Tanyatorn Mongkonjirawut  
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**P/O :** 3100021227  
**Project Name :**  
**Project Location :**

**Lot ID: 2525912**

Date Received : Jun 16, 2025  
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Report Number: 3340700-1

Page 1 of 1

**Sample Description** Air Quality  
**Location** ชุมชนห้วยเหียน (A6) (GPS 47P 0723088, 1444745)  
**Parameter** Nitrogen dioxide (ppm)  
**Measurement Date** Jun 07, 2025 - Jun 14, 2025  
**Measurement by** Santi Chaichana

	2525912-36	2525912-37	2525912-38	2525912-39	2525912-40	2525912-41	2525912-42
Time	Jun 07, 2025	Jun 08, 2025	Jun 09, 2025	Jun 10, 2025	Jun 11, 2025	Jun 12, 2025	Jun 13, 2025
02:00 PM - 03:00 PM	0.0009	0.0008	0.0023	0.0016	0.0026	0.0026	0.0027
03:00 PM - 04:00 PM	0.0022	0.0014	0.0018	0.0013	0.0036	0.0032	0.0046
04:00 PM - 05:00 PM	0.0080	0.0019	0.0029	0.0031	0.0050	0.0039	0.0069
05:00 PM - 06:00 PM	0.0102	0.0034	0.0046	0.0050	0.0063	0.0051	0.0070
06:00 PM - 07:00 PM	0.0079	0.0030	0.0042	0.0049	0.0102	0.0061	0.0077
07:00 PM - 08:00 PM	0.0051	0.0048	0.0036	0.0044	0.0068	0.0056	0.0078
08:00 PM - 09:00 PM	0.0045	0.0030	0.0042	0.0068	0.0048	0.0054	0.0064
09:00 PM - 10:00 PM	0.0050	0.0016	0.0040	0.0079	0.0038	0.0022	0.0050
10:00 PM - 11:00 PM	0.0029	0.0019	0.0038	0.0048	0.0018	0.0009	0.0034
11:00 PM - 12:00 AM	0.0022	0.0024	0.0024	0.0021	0.0017	0.0006	0.0037
12:00 AM - 01:00 AM	0.0012	0.0021	0.0026	0.0010	0.0019	0.0011	0.0026
01:00 AM - 02:00 AM	0.0012	0.0007	0.0027	0.0016	0.0021	0.0012	0.0025
02:00 AM - 03:00 AM	0.0008	0.0014	0.0020	0.0011	0.0009	0.0011	0.0020
03:00 AM - 04:00 AM	0.0005	0.0013	0.0023	0.0008	0.0017	0.0022	0.0024
04:00 AM - 05:00 AM	0.0005	0.0012	0.0025	0.0011	0.0017	0.0044	0.0022
05:00 AM - 06:00 AM	0.0010	0.0022	0.0036	0.0021	0.0031	0.0055	0.0035
06:00 AM - 07:00 AM	0.0015	0.0019	0.0075	0.0054	0.0067	0.0119	0.0034
07:00 AM - 08:00 AM	0.0018	0.0037	0.0066	0.0057	0.0058	0.0098	0.0037
08:00 AM - 09:00 AM	0.0023	0.0027	0.0024	0.0047	0.0036	0.0052	0.0028
09:00 AM - 10:00 AM	0.0027	0.0022	0.0021	0.0022	0.0020	0.0044	0.0023
10:00 AM - 11:00 AM	0.0026	0.0016	0.0012	0.0022	0.0014	0.0027	0.0019
11:00 AM - 12:00 PM	0.0036	0.0014	0.0018	0.0024	0.0012	0.0026	0.0015
12:00 PM - 01:00 PM	0.0035	0.0010	0.0018	0.0023	0.0013	0.0013	0.0017
01:00 PM - 02:00 PM	0.0011	0.0010	0.0009	0.0021	0.0015	0.0024	0.0033
Average	0.0030	0.0020	0.0031	0.0032	0.0034	0.0038	0.0038
1hr - Maximum	0.0102	0.0048	0.0075	0.0079	0.0102	0.0119	0.0078
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 : U.S. Environmental Protection Agency Method Part 50 App. F (Chemiluminescence)

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

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## Analysis / Test Report

**Client :** Glow IPP Co., Ltd.  
42 Moo 8, CIE 8 Road, Bowin, Sriracha, Chonburi Thailand 20230  
**P/O :** 3100021227  
**Project Name :**  
**Project Location :**

**Lot ID: 2525912**

Date Received : Jun 16, 2025  
Date Reported : Jun 21, 2025  
Report Number: 3340701-1

Page 1 of 1

**Sample Description** Air Quality  
**Location** บ้านนาบอน (A7) (GPS 47P 0727425, 1448026)  
**Parameter** Nitrogen dioxide (ppm)  
**Measurement Date** Jun 07, 2025 - Jun 14, 2025  
**Measurement by** Santi Chaichana

	2525912-43	2525912-44	2525912-45	2525912-46	2525912-47	2525912-48	2525912-49
Time	Jun 07, 2025	Jun 08, 2025	Jun 09, 2025	Jun 10, 2025	Jun 11, 2025	Jun 12, 2025	Jun 13, 2025
09:00 AM - 10:00 AM	0.0031	0.0011	0.0021	0.0014	0.0026	0.0012	0.0031
10:00 AM - 11:00 AM	0.0071	0.0005	0.0021	0.0009	0.0039	0.0006	0.0030
11:00 AM - 12:00 PM	0.0080	0.0009	0.0011	<0.0001	0.0024	0.0012	0.0013
12:00 PM - 01:00 PM	0.0056	0.0006	0.0016	0.0007	0.0035	0.0009	0.0006
01:00 PM - 02:00 PM	0.0061	0.0006	0.0011	0.0006	0.0029	0.0027	0.0020
02:00 PM - 03:00 PM	0.0123	0.0008	0.0013	0.0014	0.0041	0.0025	0.0025
03:00 PM - 04:00 PM	0.0124	0.0008	0.0023	0.0014	0.0059	0.0017	0.0054
04:00 PM - 05:00 PM	0.0114	0.0014	0.0023	0.0023	0.0056	0.0020	0.0065
05:00 PM - 06:00 PM	0.0170	0.0023	0.0021	0.0022	0.0040	0.0036	0.0049
06:00 PM - 07:00 PM	0.0172	0.0025	0.0030	0.0029	0.0073	0.0035	0.0061
07:00 PM - 08:00 PM	0.0073	0.0028	0.0041	0.0040	0.0103	0.0027	0.0069
08:00 PM - 09:00 PM	0.0067	0.0029	0.0049	0.0040	0.0065	0.0018	0.0041
09:00 PM - 10:00 PM	0.0079	0.0042	0.0024	0.0053	0.0037	0.0002	0.0028
10:00 PM - 11:00 PM	0.0057	0.0036	0.0028	0.0053	0.0025	0.0005	0.0038
11:00 PM - 12:00 AM	0.0032	0.0031	0.0019	0.0012	0.0028	0.0029	0.0066
12:00 AM - 01:00 AM	0.0012	0.0020	0.0083	0.0054	0.0038	0.0021	0.0023
01:00 AM - 02:00 AM	0.0036	0.0013	0.0049	0.0013	0.0028	0.0018	0.0022
02:00 AM - 03:00 AM	0.0101	0.0010	0.0026	0.0004	0.0032	0.0063	0.0014
03:00 AM - 04:00 AM	0.0091	0.0018	0.0031	0.0010	0.0038	0.0033	0.0013
04:00 AM - 05:00 AM	0.0067	0.0167	0.0049	0.0015	0.0034	0.0048	0.0027
05:00 AM - 06:00 AM	0.0104	0.0132	0.0163	0.0044	0.0077	0.0119	0.0039
06:00 AM - 07:00 AM	0.0076	0.0091	0.0089	0.0076	0.0046	0.0166	0.0069
07:00 AM - 08:00 AM	0.0031	0.0066	0.0044	0.0061	0.0054	0.0077	0.0036
08:00 AM - 09:00 AM	0.0033	0.0043	0.0016	0.0034	0.0040	0.0057	0.0022
Average	0.0078	0.0035	0.0038	0.0027	0.0044	0.0037	0.0036
1hr - Maximum	0.0172	0.0167	0.0163	0.0076	0.0103	0.0166	0.0069
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 : U.S. Environmental Protection Agency Method Part 50 App. F (Chemiluminescence)

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Approved by

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## Analysis / Test Report

**Client :** Glow IPP Co., Ltd.  
42 Moo 8, CIE 8 Road, Bowin, Sriracha, Chonburi Thailand 20230  
**P/O :** 3100021227  
**Project Name :**  
**Project Location :**

**Lot ID: 2525913**

Date Received : Jun 16, 2025  
Date Reported : Jun 21, 2025  
Report Number: 3341195-1

Page 1 of 1

**Sample Description** Air Quality  
**Location** ร่มรั้วโครงการด้านทิศตะวันออก (A1) (GPS 47P 0726247, 1447576)  
**Parameter** Sulfur Dioxide (ppm)  
**Measurement Date** Jun 07, 2025 - Jun 14, 2025  
**Measurement by** Santi Chaichana

	2525913-1	2525913-2	2525913-3	2525913-4	2525913-5	2525913-6	2525913-7
Time	Jun 07, 2025	Jun 08, 2025	Jun 09, 2025	Jun 10, 2025	Jun 11, 2025	Jun 12, 2025	Jun 13, 2025
11:00 AM - 12:00 PM	0.0037	0.0105	0.0103	0.0091	0.0095	0.0100	0.0096
12:00 PM - 01:00 PM	0.0097	0.0104	0.0096	0.0093	0.0098	0.0102	0.0098
01:00 PM - 02:00 PM	0.0103	0.0106	0.0096	0.0097	0.0098	0.0101	0.0098
02:00 PM - 03:00 PM	0.0110	0.0108	0.0100	0.0100	0.0100	0.0101	0.0097
03:00 PM - 04:00 PM	0.0111	0.0106	0.0101	0.0095	0.0101	0.0100	0.0095
04:00 PM - 05:00 PM	0.0103	0.0103	0.0095	0.0096	0.0099	0.0097	0.0090
05:00 PM - 06:00 PM	0.0103	0.0102	0.0097	0.0099	0.0096	0.0096	0.0090
06:00 PM - 07:00 PM	0.0101	0.0099	0.0097	0.0100	0.0095	0.0095	0.0091
07:00 PM - 08:00 PM	0.0103	0.0098	0.0095	0.0096	0.0097	0.0093	0.0094
08:00 PM - 09:00 PM	0.0103	0.0100	0.0093	0.0094	0.0094	0.0095	0.0094
09:00 PM - 10:00 PM	0.0100	0.0098	0.0092	0.0093	0.0095	0.0097	0.0094
10:00 PM - 11:00 PM	0.0098	0.0094	0.0091	0.0091	0.0094	0.0095	0.0095
11:00 PM - 12:00 AM	0.0098	0.0097	0.0094	0.0090	0.0091	0.0094	0.0089
12:00 AM - 01:00 AM	0.0097	0.0092	0.0096	0.0092	0.0093	0.0095	0.0088
01:00 AM - 02:00 AM	0.0099	0.0094	0.0094	0.0091	0.0090	0.0094	0.0089
02:00 AM - 03:00 AM	0.0098	0.0093	0.0095	0.0093	0.0092	0.0093	0.0091
03:00 AM - 04:00 AM	0.0097	0.0092	0.0092	0.0093	0.0089	0.0092	0.0091
04:00 AM - 05:00 AM	0.0096	0.0092	0.0095	0.0093	0.0089	0.0091	0.0090
05:00 AM - 06:00 AM	0.0098	0.0093	0.0092	0.0090	0.0091	0.0091	0.0089
06:00 AM - 07:00 AM	0.0098	0.0094	0.0090	0.0092	0.0089	0.0092	0.0089
07:00 AM - 08:00 AM	0.0103	0.0094	0.0095	0.0091	0.0091	0.0091	0.0089
08:00 AM - 09:00 AM	0.0105	0.0100	0.0100	0.0094	0.0094	0.0094	0.0091
09:00 AM - 10:00 AM	0.0105	0.0100	0.0101	0.0095	0.0098	0.0094	0.0088
10:00 AM - 11:00 AM	0.0104	0.0099	0.0097	0.0096	0.0103	0.0098	0.0089
Average	0.0099	0.0098	0.0096	0.0094	0.0095	0.0095	0.0092
1hr - Maximum	0.0111	0.0108	0.0103	0.0100	0.0103	0.0102	0.0098
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 : U.S. Environmental Protection Agency, EPA Method Part 53 and 58

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## Analysis / Test Report

**Client :** Glow IPP Co., Ltd.  
42 Moo 8, CIE 8 Road, Bowin, Sriracha, Chonburi Thailand 20230  
**P/O :** 3100021227  
**Project Name :**  
**Project Location :**

**Lot ID: 2525913**

Date Received : Jun 16, 2025  
Date Reported : Jun 21, 2025  
Report Number: 3341196-1

Page 1 of 1

**Sample Description** Air Quality  
**Location** บริเวณสถานีไฟฟ้าย่อย (A2) (GPS 47P 0726077, 1447565)  
**Parameter** Sulfur Dioxide (ppm)  
**Measurement Date** Jun 07, 2025 - Jun 14, 2025  
**Measurement by** Santi Chaichana

	2525913-8	2525913-9	2525913-10	2525913-11	2525913-12	2525913-13	2525913-14
Time	Jun 07, 2025	Jun 08, 2025	Jun 09, 2025	Jun 10, 2025	Jun 11, 2025	Jun 12, 2025	Jun 13, 2025
11:00 AM - 12:00 PM	0.0248	0.0248	0.0241	0.0248	0.0247	0.0248	0.0245
12:00 PM - 01:00 PM	0.0169	0.0248	0.0241	0.0250	0.0247	0.0249	0.0245
01:00 PM - 02:00 PM	0.0248	0.0249	0.0240	0.0249	0.0245	0.0249	0.0245
02:00 PM - 03:00 PM	0.0250	0.0248	0.0244	0.0247	0.0247	0.0248	0.0248
03:00 PM - 04:00 PM	0.0248	0.0248	0.0244	0.0248	0.0247	0.0251	0.0248
04:00 PM - 05:00 PM	0.0245	0.0247	0.0245	0.0247	0.0249	0.0249	0.0249
05:00 PM - 06:00 PM	0.0245	0.0248	0.0245	0.0249	0.0247	0.0249	0.0249
06:00 PM - 07:00 PM	0.0244	0.0248	0.0243	0.0248	0.0248	0.0248	0.0249
07:00 PM - 08:00 PM	0.0246	0.0250	0.0242	0.0248	0.0248	0.0247	0.0251
08:00 PM - 09:00 PM	0.0247	0.0248	0.0244	0.0246	0.0247	0.0249	0.0251
09:00 PM - 10:00 PM	0.0247	0.0247	0.0244	0.0245	0.0246	0.0250	0.0249
10:00 PM - 11:00 PM	0.0248	0.0247	0.0244	0.0244	0.0244	0.0249	0.0250
11:00 PM - 12:00 AM	0.0247	0.0247	0.0245	0.0245	0.0244	0.0252	0.0250
12:00 AM - 01:00 AM	0.0246	0.0243	0.0246	0.0244	0.0244	0.0252	0.0251
01:00 AM - 02:00 AM	0.0249	0.0245	0.0245	0.0244	0.0245	0.0251	0.0252
02:00 AM - 03:00 AM	0.0249	0.0244	0.0246	0.0246	0.0244	0.0252	0.0252
03:00 AM - 04:00 AM	0.0250	0.0245	0.0246	0.0244	0.0248	0.0253	0.0251
04:00 AM - 05:00 AM	0.0252	0.0245	0.0244	0.0243	0.0247	0.0250	0.0252
05:00 AM - 06:00 AM	0.0249	0.0247	0.0247	0.0245	0.0246	0.0242	0.0250
06:00 AM - 07:00 AM	0.0247	0.0242	0.0245	0.0245	0.0247	0.0246	0.0249
07:00 AM - 08:00 AM	0.0246	0.0241	0.0245	0.0246	0.0245	0.0247	0.0247
08:00 AM - 09:00 AM	0.0246	0.0242	0.0245	0.0250	0.0247	0.0247	0.0246
09:00 AM - 10:00 AM	0.0246	0.0242	0.0242	0.0248	0.0247	0.0243	0.0246
10:00 AM - 11:00 AM	0.0248	0.0242	0.0244	0.0245	0.0247	0.0246	0.0248
Average	0.0244	0.0246	0.0244	0.0246	0.0246	0.0249	0.0249
1hr - Maximum	0.0252	0.0250	0.0247	0.0250	0.0249	0.0253	0.0252
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 : U.S. Environmental Protection Agency, EPA Method Part 53 and 58

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## Analysis / Test Report

**Client :** Glow IPP Co., Ltd.  
42 Moo 8, CIE 8 Road, Bowin, Sriracha, Chonburi Thailand 20230  
**P/O :** 3100021227  
**Project Name :**  
**Project Location :**

**Lot ID: 2525913**

Date Received : Jun 16, 2025  
Date Reported : Jun 21, 2025  
Report Number: 3341197-1

Page 1 of 1

**Sample Description** Air Quality  
**Location** วัดห้วยบงวนาราม (A3) (GPS 47P 0727879, 1441130)  
**Parameter** Sulfur Dioxide (ppm)  
**Measurement Date** Jun 07, 2025 - Jun 14, 2025  
**Measurement by** Santi Chaichana

	2525913-15	2525913-16	2525913-17	2525913-18	2525913-19	2525913-20	2525913-21
Time	Jun 07, 2025	Jun 08, 2025	Jun 09, 2025	Jun 10, 2025	Jun 11, 2025	Jun 12, 2025	Jun 13, 2025
10:00 AM - 11:00 AM	0.0034	0.0033	0.0028	0.0028	0.0049	0.0042	0.0043
11:00 AM - 12:00 PM	0.0035	0.0033	0.0029	0.0044	0.0065	0.0042	0.0043
12:00 PM - 01:00 PM	0.0036	0.0042	0.0029	0.0045	0.0058	0.0042	0.0043
01:00 PM - 02:00 PM	0.0038	0.0050	0.0029	0.0046	0.0054	0.0042	0.0042
02:00 PM - 03:00 PM	0.0040	0.0054	0.0029	0.0048	0.0050	0.0043	0.0043
03:00 PM - 04:00 PM	0.0039	0.0053	0.0029	0.0046	0.0046	0.0043	0.0044
04:00 PM - 05:00 PM	0.0039	0.0052	0.0029	0.0045	0.0055	0.0043	0.0044
05:00 PM - 06:00 PM	0.0037	0.0049	0.0029	0.0044	0.0046	0.0043	0.0043
06:00 PM - 07:00 PM	0.0036	0.0047	0.0028	0.0044	0.0043	0.0043	0.0043
07:00 PM - 08:00 PM	0.0037	0.0045	0.0029	0.0044	0.0043	0.0043	0.0044
08:00 PM - 09:00 PM	0.0038	0.0044	0.0036	0.0045	0.0044	0.0043	0.0043
09:00 PM - 10:00 PM	0.0036	0.0053	0.0044	0.0044	0.0045	0.0043	0.0043
10:00 PM - 11:00 PM	0.0036	0.0054	0.0046	0.0045	0.0045	0.0043	0.0041
11:00 PM - 12:00 AM	0.0041	0.0051	0.0046	0.0045	0.0045	0.0043	0.0042
12:00 AM - 01:00 AM	0.0069	0.0049	0.0046	0.0044	0.0046	0.0042	0.0042
01:00 AM - 02:00 AM	0.0050	0.0049	0.0046	0.0043	0.0044	0.0044	0.0043
02:00 AM - 03:00 AM	0.0039	0.0048	0.0046	0.0043	0.0044	0.0043	0.0042
03:00 AM - 04:00 AM	0.0035	0.0038	0.0039	0.0043	0.0043	0.0042	0.0042
04:00 AM - 05:00 AM	0.0034	0.0035	0.0027	0.0044	0.0043	0.0041	0.0042
05:00 AM - 06:00 AM	0.0034	0.0034	0.0027	0.0044	0.0044	0.0042	0.0043
06:00 AM - 07:00 AM	0.0033	0.0033	0.0027	0.0046	0.0043	0.0042	0.0043
07:00 AM - 08:00 AM	0.0034	0.0034	0.0027	0.0045	0.0043	0.0045	0.0043
08:00 AM - 09:00 AM	0.0034	0.0035	0.0026	0.0047	0.0042	0.0045	0.0043
09:00 AM - 10:00 AM	0.0033	0.0032	0.0026	0.0046	0.0042	0.0045	0.0042
Average	0.0038	0.0044	0.0033	0.0044	0.0047	0.0043	0.0043
1hr - Maximum	0.0069	0.0054	0.0046	0.0048	0.0065	0.0045	0.0044
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 : U.S. Environmental Protection Agency, EPA Method Part 53 and 58

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Tanyatorn Mongkonjirawut  
Supervisor

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



## Analysis / Test Report

**Client :** Glow IPP Co., Ltd.  
42 Moo 8, CIE 8 Road, Bowin, Sriracha, Chonburi Thailand 20230  
**P/O :** 3100021227  
**Project Name :**  
**Project Location :**

**Lot ID: 2525913**

Date Received : Jun 16, 2025  
Date Reported : Jun 21, 2025  
Report Number: 3341198-1

Page 1 of 1

**Sample Description** Air Quality  
**Location** วัดบ่อวิน (A4) (GPS 47P 0723647, 1444280)  
**Parameter** Sulfur Dioxide (ppm)  
**Measurement Date** Jun 07, 2025 - Jun 14, 2025  
**Measurement by** Santi Chaichana

	2525913-22	2525913-23	2525913-24	2525913-25	2525913-26	2525913-27	2525913-28
Time	Jun 07, 2025	Jun 08, 2025	Jun 09, 2025	Jun 10, 2025	Jun 11, 2025	Jun 12, 2025	Jun 13, 2025
01:00 PM - 02:00 PM	0.0002	0.0029	0.0029	0.0028	0.0029	0.0028	0.0028
02:00 PM - 03:00 PM	0.0011	0.0028	0.0030	0.0028	0.0028	0.0028	0.0029
03:00 PM - 04:00 PM	0.0025	0.0028	0.0030	0.0028	0.0029	0.0028	0.0029
04:00 PM - 05:00 PM	0.0027	0.0028	0.0029	0.0027	0.0028	0.0027	0.0030
05:00 PM - 06:00 PM	0.0027	0.0029	0.0029	0.0027	0.0028	0.0028	0.0030
06:00 PM - 07:00 PM	0.0026	0.0028	0.0029	0.0028	0.0029	0.0028	0.0030
07:00 PM - 08:00 PM	0.0026	0.0028	0.0029	0.0028	0.0029	0.0028	0.0030
08:00 PM - 09:00 PM	0.0026	0.0028	0.0029	0.0029	0.0029	0.0028	0.0029
09:00 PM - 10:00 PM	0.0026	0.0028	0.0029	0.0029	0.0029	0.0028	0.0030
10:00 PM - 11:00 PM	0.0026	0.0028	0.0029	0.0029	0.0029	0.0028	0.0030
11:00 PM - 12:00 AM	0.0026	0.0028	0.0029	0.0029	0.0029	0.0028	0.0029
12:00 AM - 01:00 AM	0.0027	0.0028	0.0029	0.0029	0.0029	0.0028	0.0029
01:00 AM - 02:00 AM	0.0027	0.0028	0.0029	0.0029	0.0030	0.0028	0.0029
02:00 AM - 03:00 AM	0.0027	0.0028	0.0029	0.0029	0.0029	0.0028	0.0029
03:00 AM - 04:00 AM	0.0028	0.0028	0.0029	0.0029	0.0030	0.0029	0.0029
04:00 AM - 05:00 AM	0.0028	0.0029	0.0029	0.0029	0.0029	0.0029	0.0029
05:00 AM - 06:00 AM	0.0029	0.0029	0.0030	0.0030	0.0030	0.0030	0.0029
06:00 AM - 07:00 AM	0.0028	0.0029	0.0029	0.0030	0.0030	0.0030	0.0029
07:00 AM - 08:00 AM	0.0028	0.0029	0.0029	0.0030	0.0030	0.0030	0.0029
08:00 AM - 09:00 AM	0.0028	0.0029	0.0030	0.0030	0.0030	0.0030	0.0029
09:00 AM - 10:00 AM	0.0028	0.0029	0.0030	0.0029	0.0030	0.0030	0.0029
10:00 AM - 11:00 AM	0.0028	0.0029	0.0030	0.0030	0.0029	0.0029	0.0029
11:00 AM - 12:00 PM	0.0028	0.0030	0.0030	0.0030	0.0028	0.0029	0.0028
12:00 PM - 01:00 PM	0.0029	0.0029	0.0029	0.0030	0.0028	0.0028	0.0028
Average	0.0025	0.0028	0.0029	0.0029	0.0029	0.0029	0.0029
1hr - Maximum	0.0029	0.0030	0.0030	0.0030	0.0030	0.0030	0.0030
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 : U.S. Environmental Protection Agency, EPA Method Part 53 and 58

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Approved by

Tanyatorn Mongkonjirawut  
Supervisor

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



## Analysis / Test Report

**Client :** Glow IPP Co., Ltd.  
42 Moo 8, CIE 8 Road, Bowin, Sriracha, Chonburi Thailand 20230  
**P/O :** 3100021227  
**Project Name :**  
**Project Location :**

**Lot ID: 2525913**

Date Received : Jun 16, 2025  
Date Reported : Jun 21, 2025  
Report Number: 3341199-1

Page 1 of 1

**Sample Description** Air Quality  
**Location** วัดพันเสด็จนอก (A5) (GPS 47P 0729688, 1447669)  
**Parameter** Sulfur Dioxide (ppm)  
**Measurement Date** Jun 07, 2025 - Jun 14, 2025  
**Measurement by** Santi Chaichana

	2525913-29	2525913-30	2525913-31	2525913-32	2525913-33	2525913-34	2525913-35
Time	Jun 07, 2025	Jun 08, 2025	Jun 09, 2025	Jun 10, 2025	Jun 11, 2025	Jun 12, 2025	Jun 13, 2025
12:00 PM - 01:00 PM	0.0036	0.0032	0.0032	0.0030	0.0029	0.0029	0.0030
01:00 PM - 02:00 PM	0.0041	0.0032	0.0031	0.0032	0.0031	0.0029	0.0029
02:00 PM - 03:00 PM	0.0040	0.0033	0.0032	0.0032	0.0031	0.0030	0.0030
03:00 PM - 04:00 PM	0.0038	0.0032	0.0031	0.0032	0.0030	0.0029	0.0030
04:00 PM - 05:00 PM	0.0037	0.0033	0.0031	0.0031	0.0031	0.0030	0.0030
05:00 PM - 06:00 PM	0.0036	0.0032	0.0030	0.0031	0.0031	0.0030	0.0030
06:00 PM - 07:00 PM	0.0036	0.0032	0.0030	0.0030	0.0031	0.0029	0.0030
07:00 PM - 08:00 PM	0.0037	0.0032	0.0031	0.0031	0.0029	0.0029	0.0030
08:00 PM - 09:00 PM	0.0035	0.0032	0.0032	0.0030	0.0030	0.0029	0.0030
09:00 PM - 10:00 PM	0.0036	0.0033	0.0031	0.0031	0.0030	0.0029	0.0031
10:00 PM - 11:00 PM	0.0036	0.0033	0.0032	0.0030	0.0030	0.0029	0.0030
11:00 PM - 12:00 AM	0.0035	0.0034	0.0032	0.0030	0.0029	0.0030	0.0030
12:00 AM - 01:00 AM	0.0034	0.0034	0.0031	0.0031	0.0030	0.0030	0.0031
01:00 AM - 02:00 AM	0.0033	0.0032	0.0032	0.0031	0.0030	0.0029	0.0030
02:00 AM - 03:00 AM	0.0035	0.0032	0.0031	0.0030	0.0029	0.0029	0.0029
03:00 AM - 04:00 AM	0.0034	0.0032	0.0031	0.0030	0.0030	0.0029	0.0029
04:00 AM - 05:00 AM	0.0035	0.0032	0.0031	0.0030	0.0030	0.0030	0.0030
05:00 AM - 06:00 AM	0.0036	0.0031	0.0032	0.0030	0.0029	0.0029	0.0029
06:00 AM - 07:00 AM	0.0033	0.0033	0.0039	0.0030	0.0030	0.0029	0.0030
07:00 AM - 08:00 AM	0.0036	0.0032	0.0031	0.0030	0.0030	0.0030	0.0030
08:00 AM - 09:00 AM	0.0034	0.0031	0.0030	0.0029	0.0030	0.0030	0.0030
09:00 AM - 10:00 AM	0.0033	0.0032	0.0031	0.0030	0.0031	0.0029	0.0030
10:00 AM - 11:00 AM	0.0032	0.0035	0.0031	0.0031	0.0029	0.0029	0.0032
11:00 AM - 12:00 PM	0.0033	0.0032	0.0031	0.0031	0.0030	0.0029	0.0036
Average	0.0035	0.0032	0.0032	0.0031	0.0030	0.0029	0.0030
1hr - Maximum	0.0041	0.0035	0.0039	0.0032	0.0031	0.0030	0.0036
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 : U.S. Environmental Protection Agency, EPA Method Part 53 and 58

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Approved by

Tanyatorn Mongkonjirawut  
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## Analysis / Test Report

**Client :** Glow IPP Co., Ltd.  
42 Moo 8, CIE 8 Road, Bowin, Sriracha, Chonburi Thailand 20230  
**P/O :** 3100021227  
**Project Name :**  
**Project Location :**

**Lot ID: 2525913**

Date Received : Jun 16, 2025  
Date Reported : Jun 21, 2025  
Report Number: 3341200-1

Page 1 of 1

**Sample Description** Air Quality  
**Location** ชุมชนห้วยเหียน (A6) (GPS 47P 0723088, 1444745)  
**Parameter** Sulfur Dioxide (ppm)  
**Measurement Date** Jun 07, 2025 - Jun 14, 2025  
**Measurement by** Santi Chaichana

	2525913-36	2525913-37	2525913-38	2525913-39	2525913-40	2525913-41	2525913-42
Time	Jun 07, 2025	Jun 08, 2025	Jun 09, 2025	Jun 10, 2025	Jun 11, 2025	Jun 12, 2025	Jun 13, 2025
02:00 PM - 03:00 PM	0.0149	0.0044	0.0059	0.0064	0.0079	0.0084	0.0093
03:00 PM - 04:00 PM	0.0149	0.0007	0.0060	0.0061	0.0077	0.0087	0.0096
04:00 PM - 05:00 PM	0.0101	0.0020	0.0061	0.0062	0.0076	0.0086	0.0093
05:00 PM - 06:00 PM	0.0058	0.0028	0.0062	0.0065	0.0077	0.0086	0.0097
06:00 PM - 07:00 PM	0.0030	0.0032	0.0062	0.0066	0.0076	0.0090	0.0100
07:00 PM - 08:00 PM	0.0014	0.0037	0.0062	0.0066	0.0078	0.0091	0.0100
08:00 PM - 09:00 PM	0.0135	0.0040	0.0062	0.0065	0.0079	0.0091	0.0098
09:00 PM - 10:00 PM	0.0114	0.0040	0.0062	0.0066	0.0082	0.0090	0.0099
10:00 PM - 11:00 PM	0.0105	0.0042	0.0061	0.0066	0.0083	0.0090	0.0098
11:00 PM - 12:00 AM	0.0100	0.0045	0.0065	0.0070	0.0078	0.0092	0.0097
12:00 AM - 01:00 AM	0.0093	0.0047	0.0068	0.0069	0.0080	0.0092	0.0097
01:00 AM - 02:00 AM	0.0092	0.0048	0.0069	0.0065	0.0080	0.0091	0.0098
02:00 AM - 03:00 AM	0.0093	0.0050	0.0064	0.0068	0.0080	0.0092	0.0099
03:00 AM - 04:00 AM	0.0085	0.0053	0.0064	0.0077	0.0080	0.0093	0.0098
04:00 AM - 05:00 AM	0.0084	0.0054	0.0064	0.0077	0.0083	0.0093	0.0100
05:00 AM - 06:00 AM	0.0082	0.0058	0.0067	0.0078	0.0084	0.0092	0.0100
06:00 AM - 07:00 AM	0.0074	0.0055	0.0065	0.0082	0.0083	0.0091	0.0102
07:00 AM - 08:00 AM	0.0081	0.0057	0.0063	0.0088	0.0086	0.0091	0.0099
08:00 AM - 09:00 AM	0.0100	0.0055	0.0061	0.0082	0.0086	0.0090	0.0100
09:00 AM - 10:00 AM	0.0113	0.0054	0.0063	0.0079	0.0085	0.0089	0.0101
10:00 AM - 11:00 AM	0.0136	0.0055	0.0065	0.0078	0.0083	0.0089	0.0101
11:00 AM - 12:00 PM	0.0108	0.0055	0.0063	0.0078	0.0083	0.0089	0.0099
12:00 PM - 01:00 PM	0.0080	0.0055	0.0062	0.0079	0.0083	0.0089	0.0096
01:00 PM - 02:00 PM	0.0041	0.0059	0.0063	0.0077	0.0085	0.0089	0.0098
Average	0.0092	0.0045	0.0063	0.0072	0.0081	0.0090	0.0098
1hr - Maximum	0.0149	0.0059	0.0069	0.0088	0.0086	0.0093	0.0102
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 : U.S. Environmental Protection Agency, EPA Method Part 53 and 58

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



## Analysis / Test Report

**Client :** Glow IPP Co., Ltd.  
42 Moo 8, CIE 8 Road, Bowin, Sriracha, Chonburi Thailand 20230  
**P/O :** 3100021227  
**Project Name :**  
**Project Location :**

**Lot ID: 2525913**

Date Received : Jun 16, 2025  
Date Reported : Jun 21, 2025  
Report Number: 3341201-1

Page 1 of 1

**Sample Description** Air Quality  
**Location** บ้านนาหนอง (A7) (GPS 47P 0727425, 1448026)  
**Parameter** Sulfur Dioxide (ppm)  
**Measurement Date** Jun 07, 2025 - Jun 14, 2025  
**Measurement by** Santi Chaichana

	2525913-43	2525913-44	2525913-45	2525913-46	2525913-47	2525913-48	2525913-49
Time	Jun 07, 2025	Jun 08, 2025	Jun 09, 2025	Jun 10, 2025	Jun 11, 2025	Jun 12, 2025	Jun 13, 2025
09:00 AM - 10:00 AM	0.0130	0.0138	0.0146	0.0108	0.0111	0.0125	0.0128
10:00 AM - 11:00 AM	0.0129	0.0137	0.0148	0.0108	0.0112	0.0128	0.0120
11:00 AM - 12:00 PM	0.0132	0.0137	0.0145	0.0107	0.0112	0.0129	0.0127
12:00 PM - 01:00 PM	0.0132	0.0136	0.0146	0.0111	0.0116	0.0124	0.0146
01:00 PM - 02:00 PM	0.0131	0.0135	0.0147	0.0114	0.0115	0.0126	0.0159
02:00 PM - 03:00 PM	0.0129	0.0135	0.0147	0.0115	0.0111	0.0126	0.0182
03:00 PM - 04:00 PM	0.0129	0.0135	0.0145	0.0110	0.0114	0.0126	0.0154
04:00 PM - 05:00 PM	0.0129	0.0135	0.0142	0.0110	0.0123	0.0126	0.0126
05:00 PM - 06:00 PM	0.0131	0.0135	0.0144	0.0110	0.0123	0.0129	0.0087
06:00 PM - 07:00 PM	0.0130	0.0139	0.0104	0.0113	0.0124	0.0195	0.0090
07:00 PM - 08:00 PM	0.0133	0.0142	0.0101	0.0111	0.0128	0.0195	0.0053
08:00 PM - 09:00 PM	0.0132	0.0139	0.0103	0.0109	0.0134	0.0147	0.0066
09:00 PM - 10:00 PM	0.0132	0.0143	0.0101	0.0107	0.0128	0.0104	0.0074
10:00 PM - 11:00 PM	0.0136	0.0146	0.0100	0.0109	0.0125	0.0076	0.0078
11:00 PM - 12:00 AM	0.0137	0.0146	0.0101	0.0111	0.0124	0.0060	0.0083
12:00 AM - 01:00 AM	0.0137	0.0144	0.0101	0.0109	0.0124	0.0181	0.0086
01:00 AM - 02:00 AM	0.0136	0.0145	0.0101	0.0108	0.0125	0.0160	0.0086
02:00 AM - 03:00 AM	0.0136	0.0144	0.0105	0.0109	0.0123	0.0151	0.0088
03:00 AM - 04:00 AM	0.0138	0.0143	0.0105	0.0110	0.0125	0.0146	0.0091
04:00 AM - 05:00 AM	0.0138	0.0143	0.0106	0.0107	0.0123	0.0139	0.0093
05:00 AM - 06:00 AM	0.0137	0.0144	0.0107	0.0108	0.0122	0.0138	0.0094
06:00 AM - 07:00 AM	0.0138	0.0145	0.0108	0.0111	0.0123	0.0139	0.0096
07:00 AM - 08:00 AM	0.0139	0.0144	0.0108	0.0112	0.0122	0.0131	0.0099
08:00 AM - 09:00 AM	0.0139	0.0146	0.0108	0.0112	0.0124	0.0130	0.0100
Average	0.0134	0.0141	0.0120	0.0110	0.0121	0.0135	0.0104
1hr - Maximum	0.0139	0.0146	0.0148	0.0115	0.0134	0.0195	0.0182
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 : U.S. Environmental Protection Agency, EPA Method Part 53 and 58

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Approved by

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Supervisor

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## Analysis / Test Report

**Client :** Glow IPP Co., Ltd.  
42 Moo 8, CIE 8 Road, Bowin, Sriracha, Chonburi Thailand 20230  
**P/O :** 3100021227  
**Project Name :**  
**Project Location :**

**TESTING**  
**No.0042**  
**Lot ID: 2525914**  
Date Received : Jun 16, 2025  
Date Reported : Jun 20, 2025  
Report Number: 3261607-1

Page 1 of 1

<b>Sample Description</b>	Air Quality				
<b>Location</b>	ริมรั้วโครงการด้านทิศตะวันออก (A1) (GPS 47P 0726247, 1447576)				
<b>Date Analysis Commenced</b>	Jun 17, 2025				
<b>Condition of Sample</b>	Drawn into one glass filter paper (8x10 inch) placed in plastic bag and one quartz filter paper (8x10 inch) placed in plastic bag				
Sample Number	Sampled Date	Total Suspended Particulate (mg/m3)	Particulate Matter (PM-10) (mg/m3)	Barometric Pressure (mm Hg)	Atmospheric Temperature (°C)
2525914-1	Jun 07 - Jun 08, 2025	0.055	0.039	755*	32.6*
2525914-2	Jun 08 - Jun 09, 2025	0.033	0.025	755*	32.8*
2525914-3	Jun 09 - Jun 10, 2025	0.052	0.034	755*	32.1*
2525914-4	Jun 10 - Jun 11, 2025	0.041	0.027	755*	31.6*
2525914-5	Jun 11 - Jun 12, 2025	0.043	0.029	755*	30.8*
2525914-6	Jun 12 - Jun 13, 2025	0.049	0.024	755*	32.0*
2525914-7	Jun 13 - Jun 14, 2025	0.022	0.014	755*	31.1*
<b>Guideline</b>		0.33	0.12	-	-

### Reference Method

Total Suspended Particulate : United States Environmental Protection Agency 40 CFR, method 50, Appendix B, revised as of July 1, 2008  
Particulate Matter (PM-10) : United States Environmental Protection Agency 40 CFR, method 50, Appendix J, revised as of July 1, 2008

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

**Sampled By :** Santi Chaichana

**Remark :** Result (s) marked \* is/are not included in scope of Accreditation ISO/IEC 17025.

Approved by

*Thanita K.*

Thanita Kulsuriwong  
Scientist (4)

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.



## Analysis / Test Report

TESTING  
No.0042

**Client :** Glow IPP Co., Ltd.  
42 Moo 8, CIE 8 Road, Bowin, Sriracha, Chonburi Thailand 20230  
**P/O :** 3100021227  
**Project Name :**  
**Project Location :**

**Lot ID: 2525914**

Date Received : Jun 16, 2025  
Date Reported : Jun 20, 2025  
Report Number: 3261607-2

Page 1 of 1

<b>Sample Description</b>	Air Quality				
<b>Location</b>	บริเวณสถานีไฟฟ้าอ้อย (A2) (GPS 47P 0726077, 1447565)				
<b>Date Analysis Commenced</b>	Jun 17, 2025				
<b>Condition of Sample</b>	Drawn into one glass filter paper (8x10 inch) placed in plastic bag and one quartz filter paper (8x10 inch) placed in plastic bag				
Sample Number	Sampled Date	Total Suspended Particulate (mg/m3)	Particulate Matter (PM-10) (mg/m3)	Barometric Pressure (mm Hg)	Atmospheric Temperature (°C)
2525914-8	Jun 07 - Jun 08, 2025	0.063	0.033	755*	32.6*
2525914-9	Jun 08 - Jun 09, 2025	0.038	0.020	755*	32.8*
2525914-10	Jun 09 - Jun 10, 2025	0.039	0.022	755*	32.1*
2525914-11	Jun 10 - Jun 11, 2025	0.041	0.028	755*	31.6*
2525914-12	Jun 11 - Jun 12, 2025	0.034	0.021	755*	30.8*
2525914-13	Jun 12 - Jun 13, 2025	0.047	0.018	755*	32.0*
2525914-14	Jun 13 - Jun 14, 2025	0.021	0.013	755*	31.1*
<b>Guideline</b>		0.33	0.12	-	-

### Reference Method

Total Suspended Particulate : United States Environmental Protection Agency 40 CFR, method 50, Appendix B, revised as of July 1, 2008  
Particulate Matter (PM-10) : United States Environmental Protection Agency 40 CFR, method 50, Appendix J, revised as of July 1, 2008

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

**Sampled By :** Santi Chaichana

**Remark :** Result (s) marked \* is/are not included in scope of Accreditation ISO/IEC 17025.

Approved by

*Thanita K.*

Thanita Kulsuriwong  
Scientist (4)

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## Analysis / Test Report

TESTING  
No.0042

**Client :** Glow IPP Co., Ltd.  
42 Moo 8, CIE 8 Road, Bowin, Sriracha, Chonburi Thailand 20230

**P/O :** 3100021227

**Project Name :**

**Project Location :**

**Lot ID: 2525914**

Date Received : Jun 16, 2025

Date Reported : Jun 20, 2025

Report Number: 3261607-3

Page 1 of 1

<b>Sample Description</b>	Air Quality				
<b>Location</b>	วัดหนองนาราม (A3) (GPS 47P 0727879, 1451130)				
<b>Date Analysis Commenced</b>	Jun 17, 2025				
<b>Condition of Sample</b>	Drawn into one glass filter paper (8x10 inch) placed in plastic bag and one quartz filter paper (8x10 inch) placed in plastic bag				
Sample Number	Sampled Date	Total Suspended Particulate (mg/m3)	Particulate Matter (PM-10) (mg/m3)	Barometric Pressure (mm Hg)	Atmospheric Temperature (°C)
2525914-15	Jun 07 - Jun 08, 2025	0.037	0.025	755*	32.6*
2525914-16	Jun 08 - Jun 09, 2025	0.036	0.015	755*	32.8*
2525914-17	Jun 09 - Jun 10, 2025	0.025	0.013	755*	32.1*
2525914-18	Jun 10 - Jun 11, 2025	0.029	0.022	755*	31.6*
2525914-19	Jun 11 - Jun 12, 2025	0.029	0.019	755*	30.8*
2525914-20	Jun 12 - Jun 13, 2025	0.018	0.009	755*	32.0*
2525914-21	Jun 13 - Jun 14, 2025	0.019	0.010	755*	31.1*
<b>Guideline</b>		0.33	0.12	-	-

### Reference Method

Total Suspended Particulate : United States Environmental Protection Agency 40 CFR, method 50, Appendix B, revised as of July 1, 2008

Particulate Matter (PM-10) : United States Environmental Protection Agency 40 CFR, method 50, Appendix J, revised as of July 1, 2008

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

**Sampled By :** Santi Chaichana

**Remark :** Result (s) marked \* is/are not included in scope of Accreditation ISO/IEC 17025.

Approved by

*Thanita K.*

Thanita Kulsuriwong  
Scientist (4)

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## Analysis / Test Report

TESTING  
No.0042

**Client :** Glow IPP Co., Ltd.  
42 Moo 8, CIE 8 Road, Bowin, Sriracha, Chonburi Thailand 20230

**P/O :** 3100021227

**Project Name :**

**Project Location :**

**Lot ID: 2525914**

Date Received : Jun 16, 2025

Date Reported : Jun 20, 2025

Report Number: 3261607-4

Page 1 of 1

<b>Sample Description</b>	Air Quality				
<b>Location</b>	วัดบวร (A4) (GPS 47P 0723647, 1444280)				
<b>Date Analysis Commenced</b>	Jun 17, 2025				
<b>Condition of Sample</b>	Drawn into one glass filter paper (8x10 inch) placed in plastic bag and one quartz filter paper (8x10 inch) placed in plastic bag				
Sample Number	Sampled Date	Total Suspended Particulate (mg/m3)	Particulate Matter (PM-10) (mg/m3)	Barometric Pressure (mm Hg)	Atmospheric Temperature (°C)
2525914-22	Jun 07 - Jun 08, 2025	0.031	0.019	755*	32.6*
2525914-23	Jun 08 - Jun 09, 2025	0.017	0.011	755*	32.8*
2525914-24	Jun 09 - Jun 10, 2025	0.023	0.014	755*	32.1*
2525914-25	Jun 10 - Jun 11, 2025	0.030	0.021	755*	31.6*
2525914-26	Jun 11 - Jun 12, 2025	0.025	0.017	755*	30.8*
2525914-27	Jun 12 - Jun 13, 2025	0.016	0.008	755*	32.0*
2525914-28	Jun 13 - Jun 14, 2025	0.015	0.007	755*	31.1*
<b>Guideline</b>		0.33	0.12	-	-

### Reference Method

Total Suspended Particulate : United States Environmental Protection Agency 40 CFR, method 50, Appendix B, revised as of July 1, 2008

Particulate Matter (PM-10) : United States Environmental Protection Agency 40 CFR, method 50, Appendix J, revised as of July 1, 2008

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

**Sampled By :** Santi Chaichana

**Remark :** Result (s) marked \* is/are not included in scope of Accreditation ISO/IEC 17025.

Approved by

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Scientist (4)

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## Analysis / Test Report

TESTING  
No.0042

**Client :** Glow IPP Co., Ltd.  
42 Moo 8, CIE 8 Road, Bowin, Sriracha, Chonburi Thailand 20230

**P/O :** 3100021227

**Project Name :**

**Project Location :**

**Lot ID: 2525914**

Date Received : Jun 16, 2025

Date Reported : Jun 20, 2025

Report Number: 3261607-5

Page 1 of 1

<b>Sample Description</b>	Air Quality				
<b>Location</b>	วัดพันเสด็จนอก (A5) (GPS 47P 0729688, 1447669)				
<b>Date Analysis Commenced</b>	Jun 17, 2025				
<b>Condition of Sample</b>	Drawn into one glass filter paper (8x10 inch) placed in plastic bag and one quartz filter paper (8x10 inch) placed in plastic bag				
Sample Number	Sampled Date	Total Suspended Particulate (mg/m3)	Particulate Matter (PM-10) (mg/m3)	Barometric Pressure (mm Hg)	Atmospheric Temperature (°C)
2525914-29	Jun 07 - Jun 08, 2025	0.056	0.027	755*	32.6*
2525914-30	Jun 08 - Jun 09, 2025	0.032	0.013	755*	32.8*
2525914-31	Jun 09 - Jun 10, 2025	0.034	0.013	755*	32.1*
2525914-32	Jun 10 - Jun 11, 2025	0.053	0.024	755*	31.6*
2525914-33	Jun 11 - Jun 12, 2025	0.043	0.021	755*	30.8*
2525914-34	Jun 12 - Jun 13, 2025	0.037	0.011	755*	32.0*
2525914-35	Jun 13 - Jun 14, 2025	0.029	0.012	755*	31.0*
<b>Guideline</b>		0.33	0.12	-	-

### Reference Method

Total Suspended Particulate : United States Environmental Protection Agency 40 CFR, method 50, Appendix B, revised as of July 1, 2008

Particulate Matter (PM-10) : United States Environmental Protection Agency 40 CFR, method 50, Appendix J, revised as of July 1, 2008

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

**Sampled By :** Santi Chaichana

**Remark :** Result (s) marked \* is/are not included in scope of Accreditation ISO/IEC 17025.

Approved by

*Thanita K.*

Thanita Kulsuriwong  
Scientist (4)

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## Analysis / Test Report

TESTING  
No.0042

**Client :** Glow IPP Co., Ltd.  
42 Moo 8, CIE 8 Road, Bowin, Sriracha, Chonburi Thailand 20230

**P/O :** 3100021227

**Project Name :**

**Project Location :**

**Lot ID: 2525914**

Date Received : Jun 16, 2025

Date Reported : Jun 20, 2025

Report Number: 3261607-6

Page 1 of 1

<b>Sample Description</b>	Air Quality				
<b>Location</b>	ชุมชนห้วยเหียน (A6) (GPS 47P 0723088, 1444745)				
<b>Date Analysis Commenced</b>	Jun 17, 2025				
<b>Condition of Sample</b>	Drawn into one glass filter paper (8x10 inch) placed in plastic bag and one quartz filter paper (8x10 inch) placed in plastic bag				
Sample Number	Sampled Date	Total Suspended Particulate (mg/m3)	Particulate Matter (PM-10) (mg/m3)	Barometric Pressure (mm Hg)	Atmospheric Temperature (°C)
2525914-36	Jun 07 - Jun 08, 2025	0.034	0.026	755*	33.0*
2525914-37	Jun 08 - Jun 09, 2025	0.028	0.018	755*	33.0*
2525914-38	Jun 09 - Jun 10, 2025	0.033	0.023	755*	32.0*
2525914-39	Jun 10 - Jun 11, 2025	0.049	0.033	755*	32.0*
2525914-40	Jun 11 - Jun 12, 2025	0.040	0.025	755*	31.0*
2525914-41	Jun 12 - Jun 13, 2025	0.041	0.017	755*	32.0*
2525914-42	Jun 13 - Jun 14, 2025	0.021	0.013	755*	31.0*
<b>Guideline</b>		0.33	0.12	-	-

### Reference Method

Total Suspended Particulate : United States Environmental Protection Agency 40 CFR, method 50, Appendix B, revised as of July 1, 2008

Particulate Matter (PM-10) : United States Environmental Protection Agency 40 CFR, method 50, Appendix J, revised as of July 1, 2008

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

**Sampled By :** Santi Chaichana

**Remark :** Result (s) marked \* is/are not included in scope of Accreditation ISO/IEC 17025.

Approved by

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Scientist (4)

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## Analysis / Test Report

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No.0042

**Client :** Glow IPP Co., Ltd.  
42 Moo 8, CIE 8 Road, Bowin, Sriracha, Chonburi Thailand 20230

**P/O :** 3100021227

**Project Name :**

**Project Location :**

**Lot ID: 2525914**

Date Received : Jun 16, 2025

Date Reported : Jun 20, 2025

Report Number: 3261607-7

Page 1 of 1

<b>Sample Description</b>	Air Quality				
<b>Location</b>	นพวงมระม (A7) (GPS 47P 0727425, 1448026)				
<b>Date Analysis Commenced</b>	Jun 17, 2025				
<b>Condition of Sample</b>	Drawn into one glass filter paper (8x10 inch) placed in plastic bag and one quartz filter paper (8x10 inch) placed in plastic bag				
Sample Number	Sampled Date	Total Suspended Particulate (mg/m3)	Particulate Matter (PM-10) (mg/m3)	Barometric Pressure (mm Hg)	Atmospheric Temperature (°C)
2525914-43	Jun 07 - Jun 08, 2025	0.034	0.025	755*	33.0*
2525914-44	Jun 08 - Jun 09, 2025	0.026	0.014	755*	33.0*
2525914-45	Jun 09 - Jun 10, 2025	0.036	0.020	755*	32.0*
2525914-46	Jun 10 - Jun 11, 2025	0.042	0.027	755*	32.0*
2525914-47	Jun 11 - Jun 12, 2025	0.042	0.025	755*	31.0*
2525914-48	Jun 12 - Jun 13, 2025	0.046	0.018	755*	32.0*
2525914-49	Jun 13 - Jun 14, 2025	0.028	0.014	755*	31.0*
<b>Guideline</b>		0.33	0.12	-	-

### Reference Method

Total Suspended Particulate : United States Environmental Protection Agency 40 CFR, method 50, Appendix B, revised as of July 1, 2008

Particulate Matter (PM-10) : United States Environmental Protection Agency 40 CFR, method 50, Appendix J, revised as of July 1, 2008

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

**Sampled By :** Santi Chaichana

**Remark :** Result (s) marked \* is/are not included in scope of Accreditation ISO/IEC 17025.

Approved by

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Scientist (4)

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## Analysis / Test Report

**Client** : Glow IPP Co., Ltd.  
42 Moo 8, CIE 8 Road, Bowin, Sriracha, Chonburi Thailand 20230

**Lot ID: 2525915**  
Date Received :Jun 16, 2025  
Date Reported :Jun 24, 2025  
Report Number :3261588-1

**P/O** : 3100021227

**Project Name** :

**Project Location** :

Page 1 of 2

**Sample Number** 2525915-1 to 7  
**Parameter** Wind Speed / Wind Direction  
**Location** ร่มรั้วโครงการด้านทิศตะวันออก (A1) (GPS 47P 0726247, 1447576)  
**Sampling Date** Jun 07 - Jun 14, 2025  
**Sampling by** Santi Chaichana

Time	Jun 07 - Jun 08, 2025			Jun 08 - Jun 09, 2025			Jun 09 - Jun 10, 2025			Jun 10 - Jun 11, 2025			Jun 11 - Jun 12, 2025			Jun 12 - Jun 13, 2025			Jun 13 - Jun 14, 2025		
	WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)	
11:00 AM - 12:00 PM	1.0	232.0	SW	1.5	238.0	WSW	2.2	237.0	WSW	2.1	239.0	WSW	0.8	273.0	W	3.0	249.0	WSW	2.4	285.0	WNW
12:00 PM - 01:00 PM	2.3	159.0	SSE	0.8	223.0	SW	1.6	215.0	SW	2.4	227.0	SW	1.3	304.0	NW	1.1	322.0	NW	3.5	235.0	SW
01:00 PM - 02:00 PM	1.5	126.0	SE	1.0	291.0	WNW	1.0	174.0	S	1.5	233.0	SW	3.6	245.0	WSW	0.0	-	-	2.9	245.0	WSW
02:00 PM - 03:00 PM	2.0	254.0	WSW	1.3	236.0	SW	2.2	226.0	SW	3.1	243.0	WSW	0.6	224.0	SW	4.0	228.0	SW	1.2	250.0	WSW
03:00 PM - 04:00 PM	0.8	121.0	ESE	1.4	264.0	W	2.1	156.0	SSE	2.7	287.0	WNW	2.8	234.0	SW	2.1	254.0	WSW	0.0	-	-
04:00 PM - 05:00 PM	1.0	151.0	SSE	0.6	184.0	S	1.9	229.0	SW	3.4	251.0	WSW	0.7	174.0	S	1.7	246.0	WSW	1.5	232.0	SW
05:00 PM - 06:00 PM	0.6	124.0	SE	3.3	183.0	S	2.9	248.0	WSW	3.1	242.0	WSW	2.6	201.0	SSW	3.0	242.0	WSW	1.3	184.0	S
06:00 PM - 07:00 PM	1.5	158.0	SSE	1.1	232.0	SW	2.1	200.0	SSW	1.0	187.0	S	2.6	174.0	S	0.0	-	-	0.7	241.0	WSW
07:00 PM - 08:00 PM	0.2	-	-	0.6	161.0	SSE	1.2	184.0	S	0.0	-	-	2.2	179.0	S	1.3	231.0	SW	1.1	243.0	WSW
08:00 PM - 09:00 PM	0.3	188.0	S	2.9	139.0	SE	0.9	211.0	SSW	1.2	177.0	S	2.5	181.0	S	2.4	251.0	WSW	0.0	-	-
09:00 PM - 10:00 PM	0.5	156.0	SSE	0.9	153.0	SSE	0.6	234.0	SW	0.2	-	-	3.3	159.0	SSE	3.5	241.0	WSW	0.3	254.0	WSW
10:00 PM - 11:00 PM	0.6	155.0	SSE	0.6	149.0	SSE	0.3	251.0	WSW	0.1	-	-	0.6	199.0	SSW	1.8	256.0	WSW	0.5	246.0	WSW
11:00 PM - 12:00 AM	0.2	-	-	0.7	158.0	SSE	0.8	267.0	W	0.0	-	-	0.7	214.0	SW	1.1	216.0	SW	0.9	244.0	WSW
12:00 AM - 01:00 AM	0.6	246.0	WSW	0.6	243.0	WSW	0.2	-	-	2.1	226.0	SW	0.5	255.0	WSW	1.8	251.0	WSW	0.3	252.0	WSW
01:00 AM - 02:00 AM	0.7	233.0	SW	0.3	233.0	SW	0.9	249.0	WSW	0.0	-	-	0.9	231.0	SW	2.1	220.0	SW	0.5	242.0	WSW
02:00 AM - 03:00 AM	0.2	-	-	0.5	241.0	WSW	0.7	256.0	WSW	1.2	238.0	WSW	0.3	232.0	SW	0.2	-	-	0.6	265.0	W
03:00 AM - 04:00 AM	0.3	184.0	S	0.8	269.0	W	0.3	233.0	SW	2.7	264.0	W	0.2	-	-	0.6	240.0	WSW	1.5	251.0	WSW
04:00 AM - 05:00 AM	0.5	158.0	SSE	0.7	46.0	NE	0.5	246.0	WSW	0.4	325.0	NW	0.8	200.0	SSW	0.3	160.0	SSE	0.0	-	-
05:00 AM - 06:00 AM	0.0	-	-	0.6	117.0	ESE	0.6	339.0	NNW	2.0	253.0	WSW	0.6	225.0	SW	0.3	149.0	SSE	0.9	162.0	SSE
06:00 AM - 07:00 AM	0.0	-	-	0.8	120.0	ESE	0.7	204.0	SSW	0.0	-	-	0.4	210.0	SSW	0.5	200.0	SSW	0.0	-	-
07:00 AM - 08:00 AM	1.1	202.0	SSW	1.0	159.0	SSE	0.4	214.0	SW	1.8	265.0	W	0.6	234.0	SW	0.0	-	-	4.1	235.0	SW
08:00 AM - 09:00 AM	1.2	224.0	SW	2.9	235.0	SW	0.5	223.0	SW	1.2	293.0	WNW	2.8	243.0	WSW	1.8	222.0	SW	2.7	244.0	WSW
09:00 AM - 10:00 AM	0.7	217.0	SW	1.3	183.0	S	2.3	279.0	W	2.0	237.0	WSW	2.6	249.0	WSW	1.4	247.0	WSW	1.5	235.0	SW
10:00 AM - 11:00 AM	1.0	341.0	NNW	1.5	259.0	W	5.0	259.0	W	1.9	224.0	SW	1.4	269.0	W	4.6	199.0	SSW	2.0	255.0	WSW

Reference Method : Cup Anemometer & Anodized Aluminium Vane Method

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Approved by

Sarayuth Jittranont  
Assistant General Manager





## Analysis / Test Report

**Client :** Glow IPP Co., Ltd.  
42 Moo 8, CIE 8 Road, Bowin, Sriracha, Chonburi Thailand 20230

**P/O :** 3100021227

**Project Name :**

**Project Location :**

**Lot ID: 2525915**

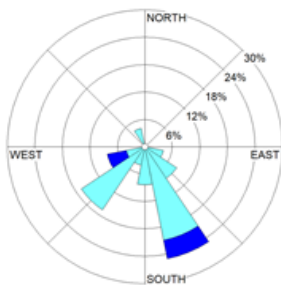
Date Received : Jun 16, 2025

Date Reported : Jun 24, 2025

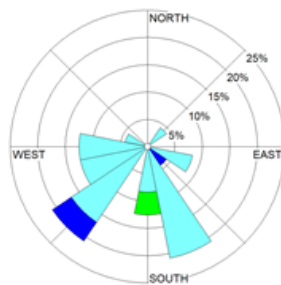
Report Number : 3261588-1

Page 2 of 2

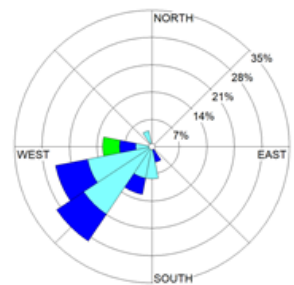
### Wind Rose



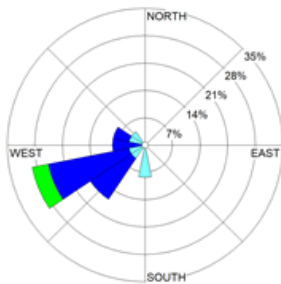
Date : Jun 07-08, 2025



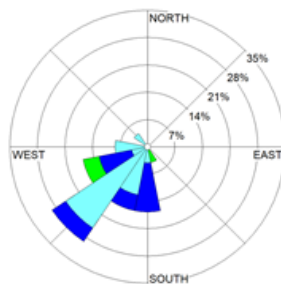
Date : Jun 08-09, 2025



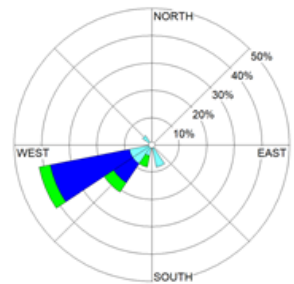
Date : Jun 09-10, 2025



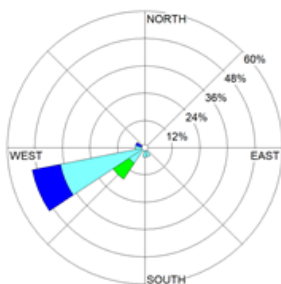
Date : Jun 10-11, 2025



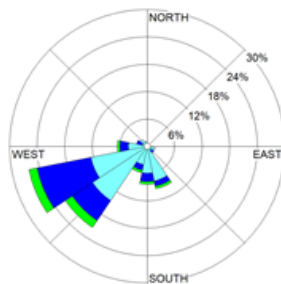
Date : Jun 11-12, 2025



Date : Jun 12-13, 2025



Date : Jun 13-14, 2025



Date : Jun 07-14, 2025

WS (m/s)	%
≥ 10.0	0.00
8.0-10.0	0.00
5.5-8.0	0.00
3.3-5.5	5.95
1.7-3.3	25.00
0.3-1.7	56.55
Calms	12.50

**Location :** ร่มรั้วโครงการด้านทิศตะวันออก (A1) (GPS 47P 0726247, 1447576)

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Approved by

Sarayuth Jitranont  
Assistant General Manager



## Analysis / Test Report

**Client** : Glow IPP Co., Ltd.  
42 Moo 8, CIE 8 Road, Bowin, Sriracha, Chonburi Thailand 20230

**Lot ID: 2525915**

Date Received :Jun 16, 2025

Date Reported :Jun 24, 2025

Report Number :3261588-1

**P/O** : 3100021227

**Project Name** :

**Project Location** :

Page 1 of 2

**Sample Number** 2525915-8 to 14  
**Parameter** Wind Speed / Wind Direction  
**Location** บริเวณสถานีไฟฟ้าย่อย (A2) (GPS 47P 0726077, 1447565)  
**Sampling Date** Jun 07 - Jun 14, 2025  
**Sampling by** Santi Chaichana

Time	Jun 07 - Jun 08, 2025			Jun 08 - Jun 09, 2025			Jun 09 - Jun 10, 2025			Jun 10 - Jun 11, 2025			Jun 11 - Jun 12, 2025			Jun 12 - Jun 13, 2025			Jun 13 - Jun 14, 2025		
	WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)	
11:00 AM - 12:00 PM	1.0	188.0	S	0.0	-	-	4.1	234.0	SW	1.9	278.0	W	0.4	280.0	W	0.2	-	-	0.3	208.0	SSW
12:00 PM - 01:00 PM	1.5	207.0	SSW	1.1	310.0	NW	1.2	256.0	WSW	1.8	268.0	W	1.6	273.0	W	0.4	242.0	WSW	0.6	241.0	WSW
01:00 PM - 02:00 PM	0.0	-	-	1.9	262.0	W	0.8	257.0	WSW	1.0	292.0	WNW	1.0	301.0	WNW	2.6	251.0	WSW	1.6	230.0	SW
02:00 PM - 03:00 PM	0.0	-	-	2.2	192.0	SSW	0.0	-	-	2.6	225.0	SW	1.8	245.0	WSW	2.4	257.0	WSW	1.2	255.0	WSW
03:00 PM - 04:00 PM	1.2	125.0	SE	2.7	234.0	SW	2.6	208.0	SSW	0.6	311.0	NW	1.7	232.0	SW	1.2	277.0	W	4.4	207.0	SSW
04:00 PM - 05:00 PM	0.0	-	-	2.0	126.0	SE	2.8	248.0	WSW	1.4	252.0	WSW	0.6	281.0	W	2.8	257.0	WSW	2.2	293.0	WNW
05:00 PM - 06:00 PM	0.0	-	-	3.0	193.0	SSW	1.7	220.0	SW	2.4	247.0	WSW	1.1	312.0	NW	0.9	330.0	NNW	3.3	243.0	WSW
06:00 PM - 07:00 PM	0.0	-	-	0.0	-	-	1.8	221.0	SW	1.4	235.0	SW	3.4	253.0	WSW	0.6	268.0	W	2.7	253.0	WSW
07:00 PM - 08:00 PM	0.0	-	-	1.6	154.0	SSE	0.0	-	-	1.9	178.0	S	0.4	232.0	SW	3.8	236.0	SW	1.0	258.0	WSW
08:00 PM - 09:00 PM	0.0	-	-	1.3	153.0	SSE	0.0	-	-	0.0	-	-	2.6	242.0	WSW	1.9	262.0	W	0.4	247.0	WSW
09:00 PM - 10:00 PM	0.0	-	-	1.0	167.0	SSE	0.0	-	-	0.0	-	-	0.5	182.0	S	1.5	254.0	WSW	1.3	240.0	WSW
10:00 PM - 11:00 PM	0.0	-	-	0.3	200.0	SSW	0.0	-	-	0.0	-	-	2.4	209.0	SSW	2.8	250.0	WSW	1.1	192.0	SSW
11:00 PM - 12:00 AM	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	2.4	182.0	S	0.4	254.0	WSW	0.5	249.0	WSW
12:00 AM - 01:00 AM	0.0	-	-	0.0	-	-	0.0	-	-	2.0	267.0	W	2.0	187.0	S	1.1	239.0	WSW	0.9	251.0	WSW
01:00 AM - 02:00 AM	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	2.3	189.0	S	2.2	259.0	W	0.6	191.0	S
02:00 AM - 03:00 AM	0.0	-	-	0.0	-	-	0.0	-	-	2.8	250.0	WSW	3.1	167.0	SSE	3.3	249.0	WSW	0.1	-	-
03:00 AM - 04:00 AM	0.0	-	-	0.0	-	-	0.0	-	-	1.0	256.0	WSW	0.4	207.0	SSW	1.6	264.0	W	0.3	254.0	WSW
04:00 AM - 05:00 AM	0.0	-	-	0.0	-	-	0.0	-	-	3.7	253.0	WSW	0.5	222.0	SW	0.9	224.0	SW	0.7	252.0	WSW
05:00 AM - 06:00 AM	0.0	-	-	0.0	-	-	0.0	-	-	1.0	268.0	W	0.3	263.0	W	1.6	259.0	W	0.1	-	-
06:00 AM - 07:00 AM	0.0	-	-	0.0	-	-	0.0	-	-	0.3	289.0	WNW	0.7	239.0	WSW	1.9	228.0	SW	0.3	250.0	WSW
07:00 AM - 08:00 AM	2.0	245.0	WSW	2.3	152.0	SSE	0.0	-	-	2.6	291.0	WNW	0.1	-	-	0.0	-	-	0.4	273.0	W
08:00 AM - 09:00 AM	1.3	259.0	W	0.0	-	-	2.6	254.0	WSW	3.0	281.0	W	0.0	-	-	0.4	248.0	WSW	1.3	259.0	W
09:00 AM - 10:00 AM	1.6	180.0	S	0.0	-	-	2.5	257.0	WSW	1.3	261.0	W	0.6	208.0	SSW	0.1	-	-	0.5	219.0	SW
10:00 AM - 11:00 AM	0.6	317.0	NW	2.8	222.0	SW	4.6	268.0	W	0.0	-	-	0.4	233.0	SW	0.1	-	-	0.7	170.0	S

Reference Method : Cup Anemometer & Anodized Aluminium Vane Method

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

Approved by

Sarayuth Jittrantont  
Assistant General Manager



## Analysis / Test Report

**Client :** Glow IPP Co., Ltd.  
42 Moo 8, CIE 8 Road, Bowin, Sriracha, Chonburi Thailand 20230

**P/O :** 3100021227

**Project Name :**

**Project Location :**

**Lot ID:** 2525915

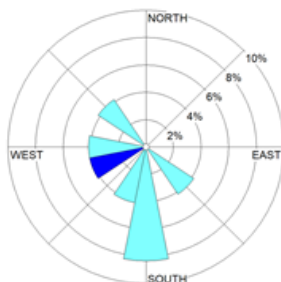
Date Received : Jun 16, 2025

Date Reported : Jun 24, 2025

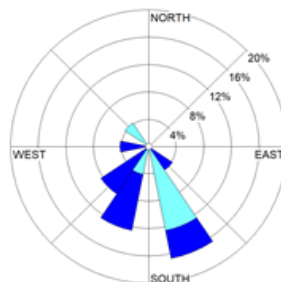
Report Number : 3261588-1

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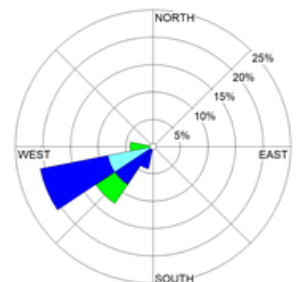
### Wind Rose



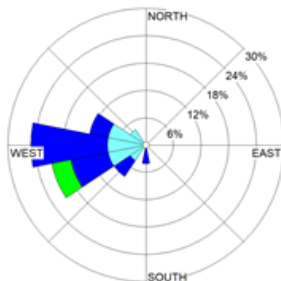
Date : Jun 07-08, 2025



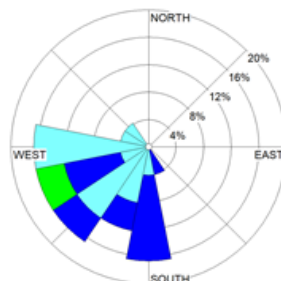
Date : Jun 08-09, 2025



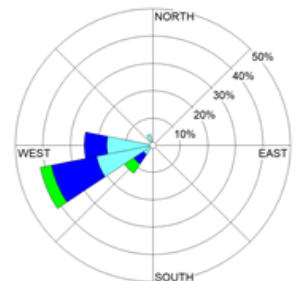
Date : Jun 09-10, 2025



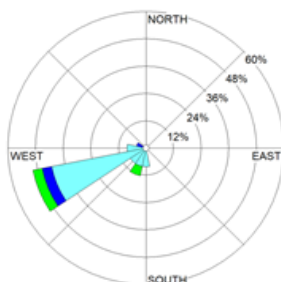
Date : Jun 10-11, 2025



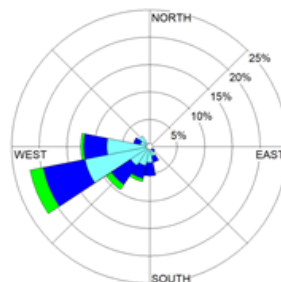
Date : Jun 11-12, 2025



Date : Jun 12-13, 2025



Date : Jun 13-14, 2025



Date : Jun 07-14, 2025

WS (m/s)	%
≥ 10.0	0.00
8.0-10.0	0.00
5.5-8.0	0.00
3.3-5.5	4.76
1.7-3.3	23.81
0.3-1.7	37.50
Calms	33.93

**Location :** บริเวณสถานีไฟฟ้าอยบ (A2) (GPS 47P 0726077, 1447565)

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Approved by

Sarayuth Jitranont  
Assistant General Manager



## Analysis / Test Report

**Client** : Glow IPP Co., Ltd.  
42 Moo 8, CIE 8 Road, Bowin, Sriracha, Chonburi Thailand 20230

**Lot ID: 2525915**

Date Received :Jun 16, 2025

Date Reported :Jun 24, 2025

Report Number :3261588-1

**P/O** : 3100021227

**Project Name** :

**Project Location** :

Page 1 of 2

**Sample Number** 2525915-15 to 21  
**Parameter** Wind Speed / Wind Direction  
**Location** รัศมีหนองนาราม (A3) (GPS 47P 0727879, 1441130)  
**Sampling Date** Jun 07 - Jun 14, 2025  
**Sampling by** Santi Chaichana

Time	Jun 07 - Jun 08, 2025			Jun 08 - Jun 09, 2025			Jun 09 - Jun 10, 2025			Jun 10 - Jun 11, 2025			Jun 11 - Jun 12, 2025			Jun 12 - Jun 13, 2025			Jun 13 - Jun 14, 2025		
	WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)	
10:00 AM - 11:00 AM	2.0	288.0	WNW	1.5	142.0	SE	1.5	184.0	S	2.0	100.0	E	1.8	219.0	SW	1.3	182.0	S	1.4	103.0	ESE
11:00 AM - 12:00 PM	0.0	-	-	2.0	116.0	ESE	1.0	204.0	SSW	0.4	73.0	ENE	0.4	167.0	SSE	0.6	155.0	SSE	1.5	245.0	WSW
12:00 PM - 01:00 PM	0.6	76.0	ENE	0.8	145.0	SE	3.5	96.0	E	2.1	120.0	ESE	2.0	119.0	ESE	3.0	183.0	S	0.6	289.0	WNW
01:00 PM - 02:00 PM	1.0	66.0	ENE	2.2	80.0	E	4.2	120.0	ESE	1.0	173.0	S	1.8	239.0	WSW	1.9	155.0	SSE	4.9	83.0	E
02:00 PM - 03:00 PM	1.2	24.0	NNE	0.8	135.0	SE	1.8	88.0	E	1.4	106.0	ESE	2.6	236.0	SW	2.6	93.0	E	0.6	280.0	W
03:00 PM - 04:00 PM	2.0	32.0	NNE	0.5	107.0	ESE	2.6	74.0	ENE	0.4	183.0	S	1.0	237.0	WSW	2.5	157.0	SSE	1.0	155.0	SSE
04:00 PM - 05:00 PM	0.6	39.0	NE	2.9	80.0	E	2.7	91.0	E	2.9	114.0	ESE	0.8	133.0	SE	1.6	87.0	E	1.2	122.0	ESE
05:00 PM - 06:00 PM	0.6	87.0	E	0.7	11.0	N	1.3	82.0	E	0.8	99.0	E	0.0	-	-	1.1	117.0	ESE	1.0	79.0	E
06:00 PM - 07:00 PM	1.0	36.0	NE	0.2	-	-	1.8	106.0	ESE	1.8	63.0	ENE	0.0	-	-	0.0	-	-	1.3	103.0	ESE
07:00 PM - 08:00 PM	0.6	101.0	E	0.2	-	-	0.7	110.0	ESE	0.4	68.0	ENE	2.6	65.0	ENE	0.9	92.0	E	1.0	172.0	S
08:00 PM - 09:00 PM	0.8	31.0	NNE	0.3	44.0	NE	0.6	113.0	ESE	0.7	32.0	NNE	0.1	-	-	2.5	117.0	ESE	0.9	105.0	ESE
09:00 PM - 10:00 PM	0.3	31.0	NNE	1.1	47.0	NE	0.3	96.0	E	0.2	-	-	1.0	107.0	ESE	2.3	104.0	ESE	0.5	100.0	E
10:00 PM - 11:00 PM	0.2	-	-	2.0	90.0	E	0.5	54.0	NE	0.6	85.0	E	0.6	73.0	ENE	3.2	74.0	ENE	0.3	95.0	E
11:00 PM - 12:00 AM	0.7	80.0	E	0.3	72.0	ENE	0.9	101.0	E	0.3	85.0	E	0.2	-	-	0.0	-	-	0.4	77.0	ENE
12:00 AM - 01:00 AM	0.3	99.0	E	0.6	32.0	NNE	0.2	-	-	1.4	91.0	E	0.5	153.0	SSE	0.9	132.0	SE	0.1	-	-
01:00 AM - 02:00 AM	0.9	100.0	E	0.8	35.0	NE	0.3	101.0	E	0.3	50.0	NE	0.3	87.0	E	1.1	170.0	S	0.0	-	-
02:00 AM - 03:00 AM	0.2	-	-	0.4	36.0	NE	0.7	101.0	E	2.4	251.0	WSW	0.8	128.0	SE	0.0	-	-	0.3	140.0	SE
03:00 AM - 04:00 AM	0.3	82.0	E	0.2	-	-	0.3	88.0	E	0.7	267.0	W	0.8	55.0	NE	0.2	-	-	0.8	152.0	SSE
04:00 AM - 05:00 AM	0.8	80.0	E	0.9	318.0	NW	0.6	100.0	E	1.5	295.0	WNW	0.2	-	-	0.6	82.0	E	0.2	-	-
05:00 AM - 06:00 AM	0.7	83.0	E	0.2	-	-	0.8	80.0	E	0.2	-	-	0.1	-	-	0.3	80.0	E	0.9	62.0	ENE
06:00 AM - 07:00 AM	0.3	22.0	NNE	0.3	32.0	NNE	0.9	85.0	E	0.6	246.0	WSW	0.0	-	-	0.9	78.0	ENE	1.2	103.0	ESE
07:00 AM - 08:00 AM	2.0	153.0	SSE	1.1	33.0	NNE	1.2	124.0	SE	0.2	-	-	0.9	81.0	E	0.3	261.0	W	1.5	136.0	SE
08:00 AM - 09:00 AM	2.0	133.0	SE	0.6	66.0	ENE	1.0	152.0	SSE	2.0	94.0	E	2.0	117.0	ESE	1.3	84.0	E	2.0	155.0	SSE
09:00 AM - 10:00 AM	0.9	102.0	ESE	1.0	113.0	ESE	0.5	95.0	E	1.6	99.0	E	0.6	313.0	NW	0.8	73.0	ENE	1.0	160.0	SSE

Reference Method : Cup Anemometer & Anodized Aluminium Vane Method

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Approved by

Sarayuth Jittranont  
Assistant General Manager



## Analysis / Test Report

**Client :** Glow IPP Co., Ltd.  
42 Moo 8, CIE 8 Road, Bowin, Sriracha, Chonburi Thailand 20230

**Lot ID:** 2525915  
**Date Received :** Jun 16, 2025  
**Date Reported :** Jun 24, 2025  
**Report Number :** 3261588-1

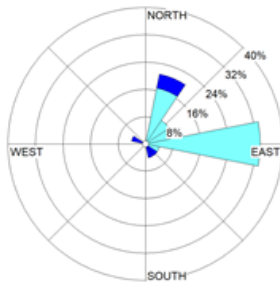
**P/O :** 3100021227

**Project Name :**

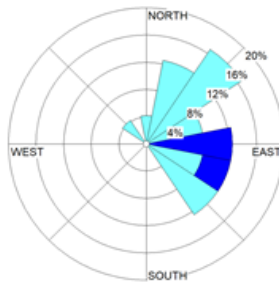
**Project Location :**

Page 2 of 2

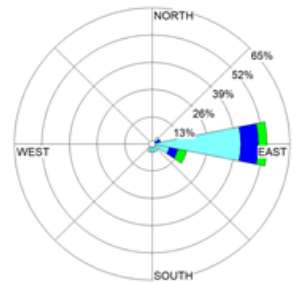
### Wind Rose



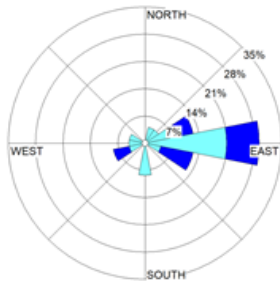
**Date : Jun 07-08, 2025**



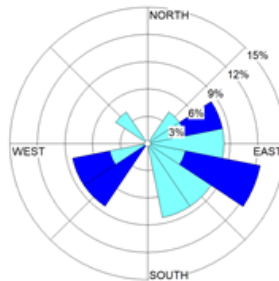
**Date : Jun 08-09, 2025**



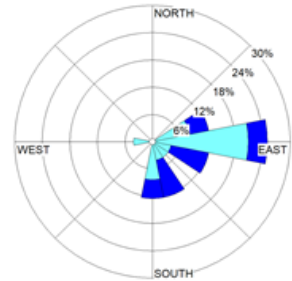
**Date : Jun 09-10, 2025**



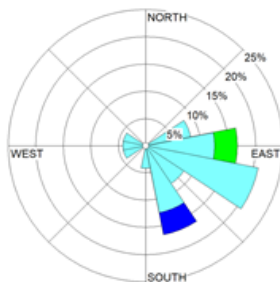
**Date : Jun 10-11, 2025**



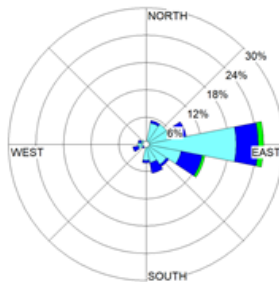
**Date : Jun 11-12, 2025**



**Date : Jun 12-13, 2025**



**Date : Jun 13-14, 2025**



**Date : Jun 07-14, 2025**

	WS (m/s)	%
	≥ 10.0	0.00
	8.0-10.0	0.00
	5.5-8.0	0.00
	3.3-5.5	1.79
	1.7-3.3	19.05
	0.3-1.7	64.29
	Calms	14.88

**Location :** วัดหนองนาราม (A3) (GPS 47P 0727879, 1441130)

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Approved by

Sarayuth Jitranont  
Assistant General Manager



## Analysis / Test Report

**Client** : Glow IPP Co., Ltd.  
42 Moo 8, CIE 8 Road, Bowin, Sriracha, Chonburi Thailand 20230

**Lot ID:** 2525915

Date Received :Jun 16, 2025

Date Reported :Jun 24, 2025

Report Number :3261588-1

**P/O** : 3100021227

**Project Name** :

**Project Location** :

Page 1 of 2

**Sample Number** 2525915-22 to 28  
**Parameter** Wind Speed / Wind Direction  
**Location** วัดปลาวิน (A4) (GPS 47P 0723647, 1444280)  
**Sampling Date** Jun 07 - Jun 14, 2025  
**Sampling by** Santi Chaichana

Time	Jun 07 - Jun 08, 2025			Jun 08 - Jun 09, 2025			Jun 09 - Jun 10, 2025			Jun 10 - Jun 11, 2025			Jun 11 - Jun 12, 2025			Jun 12 - Jun 13, 2025			Jun 13 - Jun 14, 2025		
	WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)	
01:00 PM - 02:00 PM	2.0	359.0	N	1.1	127.0	SE	2.8	137.0	SE	1.2	288.0	WNW	0.8	315.0	NW	0.7	235.0	SW	0.3	255.0	WSW
02:00 PM - 03:00 PM	1.4	352.0	N	0.8	145.0	SE	2.4	189.0	S	0.7	29.0	NNE	1.3	111.0	ESE	0.9	93.0	E	1.0	65.0	ENE
03:00 PM - 04:00 PM	0.2	-	-	0.5	236.0	SW	0.9	76.0	ENE	0.1	-	-	0.1	-	-	0.9	277.0	W	0.3	350.0	N
04:00 PM - 05:00 PM	0.2	-	-	0.9	346.0	NNW	2.3	202.0	SSW	1.3	140.0	SE	0.0	-	-	0.5	250.0	WSW	2.0	359.0	N
05:00 PM - 06:00 PM	0.6	112.0	ESE	1.9	179.0	S	2.7	244.0	WSW	1.3	202.0	SSW	0.8	152.0	SSE	0.7	8.0	N	1.6	118.0	ESE
06:00 PM - 07:00 PM	0.8	150.0	SSE	0.9	228.0	SW	0.7	303.0	WNW	0.2	-	-	0.2	-	-	0.4	307.0	NW	0.6	106.0	ESE
07:00 PM - 08:00 PM	0.5	266.0	W	0.9	181.0	S	0.2	-	-	0.6	226.0	SW	0.3	262.0	W	1.4	153.0	SSE	0.8	333.0	NNW
08:00 PM - 09:00 PM	0.1	-	-	0.6	240.0	WSW	0.5	166.0	SSE	1.2	185.0	S	0.6	171.0	S	0.7	167.0	SSE	0.2	-	-
09:00 PM - 10:00 PM	0.3	143.0	SE	0.2	-	-	0.2	-	-	0.2	-	-	0.7	186.0	S	0.1	-	-	0.2	-	-
10:00 PM - 11:00 PM	0.2	-	-	0.6	199.0	SSW	1.7	150.0	SSE	0.0	-	-	0.4	168.0	SSE	0.5	344.0	NNW	0.6	17.0	NNE
11:00 PM - 12:00 AM	0.4	197.0	SSW	0.3	162.0	SSE	0.2	-	-	1.0	330.0	NNW	0.2	-	-	1.7	156.0	SSE	0.3	126.0	SE
12:00 AM - 01:00 AM	0.3	344.0	NNW	0.2	-	-	0.2	-	-	0.4	99.0	E	0.2	-	-	0.3	349.0	N	0.2	-	-
01:00 AM - 02:00 AM	0.9	191.0	S	0.2	-	-	0.2	-	-	1.4	155.0	SSE	0.1	-	-	0.3	174.0	S	0.3	141.0	SE
02:00 AM - 03:00 AM	0.8	192.0	SSW	0.8	266.0	W	0.3	113.0	ESE	0.5	126.0	SE	0.0	-	-	0.1	-	-	0.4	111.0	ESE
03:00 AM - 04:00 AM	0.5	194.0	SSW	0.3	24.0	NNE	0.3	359.0	N	1.6	191.0	S	0.7	312.0	NW	0.6	204.0	SSW	0.1	-	-
04:00 AM - 05:00 AM	0.3	197.0	SSW	0.7	256.0	WSW	0.2	-	-	0.0	-	-	0.8	128.0	SE	0.2	-	-	0.4	345.0	NNW
05:00 AM - 06:00 AM	0.2	-	-	0.3	291.0	WNW	0.3	254.0	WSW	0.1	-	-	0.3	181.0	S	0.8	204.0	SSW	0.6	228.0	SW
06:00 AM - 07:00 AM	1.1	336.0	NNW	0.2	-	-	0.9	34.0	NE	0.4	320.0	NW	0.7	110.0	ESE	0.6	127.0	SE	0.7	224.0	SW
07:00 AM - 08:00 AM	1.0	138.0	SE	0.5	211.0	SSW	0.5	329.0	NNW	0.4	132.0	SE	2.0	175.0	S	1.4	135.0	SE	2.2	207.0	SSW
08:00 AM - 09:00 AM	0.9	127.0	SE	2.1	343.0	NNW	1.4	133.0	SE	1.4	229.0	SW	0.3	121.0	ESE	0.4	143.0	SE	0.4	123.0	ESE
09:00 AM - 10:00 AM	0.7	88.0	E	0.6	176.0	S	0.3	71.0	ENE	0.7	152.0	SSE	0.8	152.0	SSE	1.0	294.0	WNW	0.1	-	-
10:00 AM - 11:00 AM	0.9	357.0	N	0.9	326.0	NW	2.3	332.0	NNW	1.5	132.0	SE	0.7	113.0	ESE	1.2	295.0	WNW	2.0	355.0	N
11:00 AM - 12:00 PM	2.6	307.0	NW	0.9	254.0	WSW	1.7	142.0	SE	1.6	171.0	S	1.7	111.0	ESE	1.1	262.0	W	1.6	350.0	N
12:00 PM - 01:00 PM	1.6	207.0	SSW	2.1	297.0	WNW	1.2	180.0	S	0.6	14.0	NNE	1.9	159.0	SSE	4.4	184.0	S	2.0	8.0	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 :** Glow IPP Co., Ltd.  
42 Moo 8, CIE 8 Road, Bowin, Sriracha, Chonburi Thailand 20230

**P/O :** 3100021227

**Project Name :**

**Project Location :**

**Lot ID:** 2525915

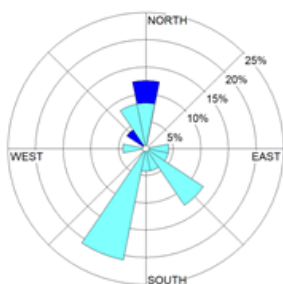
Date Received :Jun 16, 2025

Date Reported :Jun 24, 2025

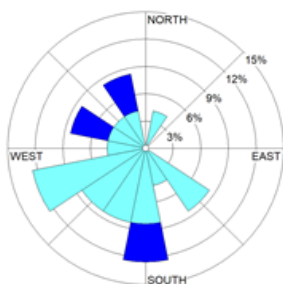
Report Number :3261588-1

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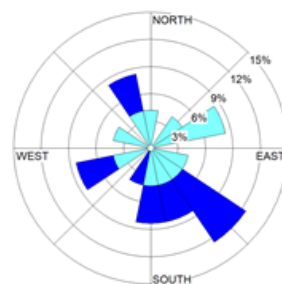
### Wind Rose



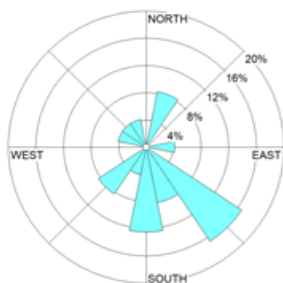
Date : Jun 07-08, 2025



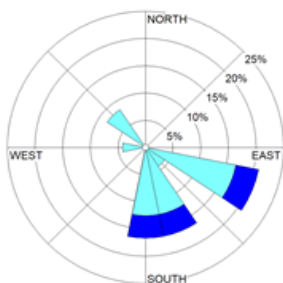
Date : Jun 08-09, 2025



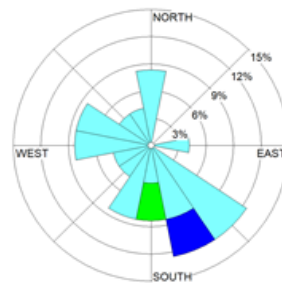
Date : Jun 09-10, 2025



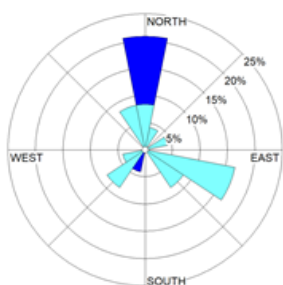
Date : Jun 10-11, 2025



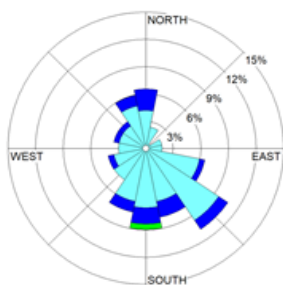
Date : Jun 11-12, 2025



Date : Jun 12-13, 2025



Date : Jun 13-14, 2025



Date : Jun 07-14, 2025

WS (m/s)	%
≥ 10.0	0.00
8.0-10.0	0.00
5.5-8.0	0.00
3.3-5.5	0.60
1.7-3.3	11.91
0.3-1.7	66.07
Calms	21.43

**Location :** รัศมีวง (A4) (GPS 47P 0723647, 1444280)

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 Jitranont  
Assistant General Manager



## Analysis / Test Report

**Client** : Glow IPP Co., Ltd.  
42 Moo 8, CIE 8 Road, Bowin, Sriracha, Chonburi Thailand 20230

**Lot ID:** 2525915

Date Received :Jun 16, 2025

Date Reported :Jun 24, 2025

Report Number :3261588-1

**P/O** : 3100021227

**Project Name** :

**Project Location** :

Page 1 of 2

**Sample Number** 2525915-29 to 35  
**Parameter** Wind Speed / Wind Direction  
**Location** วัดพันเสด็จนอก (A5) (GPS 47P 0729688, 1447669)  
**Sampling Date** Jun 07 - Jun 14, 2025  
**Sampling by** Santi Chaichana

Time	Jun 07 - Jun 08, 2025			Jun 08 - Jun 09, 2025			Jun 09 - Jun 10, 2025			Jun 10 - Jun 11, 2025			Jun 11 - Jun 12, 2025			Jun 12 - Jun 13, 2025			Jun 13 - Jun 14, 2025		
	WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)		WS (m/s)	WD (deg)	
12:00 PM - 01:00 PM	3.1	248.0	WSW	1.4	190.0	S	0.3	265.0	W	2.2	232.0	SW	0.6	261.0	W	1.6	164.0	SSE	1.2	238.0	WSW
01:00 PM - 02:00 PM	0.1	-	-	0.8	247.0	WSW	1.0	255.0	WSW	0.1	-	-	1.0	237.0	WSW	0.3	175.0	S	0.7	167.0	SSE
02:00 PM - 03:00 PM	1.4	237.0	WSW	1.2	249.0	WSW	0.8	262.0	W	1.3	244.0	WSW	0.4	238.0	WSW	0.4	194.0	SSW	3.0	145.0	SE
03:00 PM - 04:00 PM	2.5	257.0	WSW	0.1	-	-	0.4	239.0	WSW	2.8	270.0	W	0.3	239.0	WSW	0.6	162.0	SSE	1.0	159.0	SSE
04:00 PM - 05:00 PM	3.6	247.0	WSW	0.4	260.0	W	0.6	252.0	WSW	0.5	331.0	NNW	0.9	206.0	SSW	0.7	161.0	SSE	0.7	155.0	SSE
05:00 PM - 06:00 PM	1.9	262.0	W	0.6	252.0	WSW	0.7	345.0	NNW	2.1	259.0	W	0.7	231.0	SW	0.3	214.0	SW	0.8	164.0	SSE
06:00 PM - 07:00 PM	1.2	222.0	SW	1.0	250.0	WSW	0.8	210.0	SSW	0.1	-	-	0.5	216.0	SW	0.7	252.0	WSW	0.7	249.0	WSW
07:00 PM - 08:00 PM	1.9	257.0	WSW	0.4	258.0	WSW	0.5	220.0	SW	1.9	271.0	W	0.7	240.0	WSW	0.8	239.0	WSW	0.4	239.0	WSW
08:00 PM - 09:00 PM	2.2	226.0	SW	0.6	248.0	WSW	0.6	229.0	SW	1.3	299.0	WNW	2.9	249.0	WSW	0.3	352.0	N	0.6	247.0	WSW
09:00 PM - 10:00 PM	0.3	321.0	NW	0.7	271.0	W	2.4	285.0	WNW	2.1	243.0	WSW	2.7	255.0	WSW	0.4	190.0	S	0.9	275.0	W
10:00 PM - 11:00 PM	0.7	246.0	WSW	1.6	257.0	WSW	5.1	265.0	W	2.0	230.0	SW	1.5	275.0	W	0.6	164.0	SSE	0.8	52.0	NE
11:00 PM - 12:00 AM	0.4	166.0	SSE	0.1	-	-	2.2	245.0	WSW	0.9	279.0	W	3.1	255.0	WSW	0.1	-	-	0.7	123.0	ESE
12:00 AM - 01:00 AM	0.4	155.0	SSE	1.0	168.0	SSE	2.5	233.0	SW	1.4	310.0	NW	1.2	328.0	NNW	0.1	-	-	0.9	126.0	SE
01:00 AM - 02:00 AM	0.6	206.0	SSW	0.1	-	-	1.6	239.0	WSW	3.7	251.0	WSW	0.1	-	-	1.2	208.0	SSW	1.1	165.0	SSE
02:00 AM - 03:00 AM	0.1	-	-	0.2	-	-	3.2	249.0	WSW	0.7	230.0	SW	4.1	234.0	SW	1.3	230.0	SW	3.0	241.0	WSW
03:00 AM - 04:00 AM	1.9	228.0	SW	0.6	250.0	WSW	2.8	293.0	WNW	2.9	240.0	WSW	2.2	260.0	W	0.8	223.0	SW	1.4	189.0	S
04:00 AM - 05:00 AM	1.5	253.0	WSW	1.0	241.0	WSW	3.5	257.0	WSW	0.8	180.0	S	1.8	252.0	WSW	1.1	347.0	NNW	1.6	265.0	W
05:00 AM - 06:00 AM	4.7	205.0	SSW	0.4	261.0	W	3.2	248.0	WSW	2.7	207.0	SSW	1.1	238.0	WSW	1.6	244.0	WSW	2.3	243.0	WSW
06:00 AM - 07:00 AM	2.5	291.0	WNW	2.2	206.0	SSW	1.1	193.0	SSW	2.7	180.0	S	2.4	165.0	SSE	0.9	229.0	SW	1.7	221.0	SW
07:00 AM - 08:00 AM	3.6	241.0	WSW	1.3	190.0	S	0.1	-	-	2.3	185.0	S	1.6	132.0	SE	1.1	297.0	WNW	1.1	180.0	S
08:00 AM - 09:00 AM	3.0	251.0	WSW	1.0	217.0	SW	1.3	183.0	S	2.6	187.0	S	2.1	260.0	W	1.4	242.0	WSW	2.3	232.0	SW
09:00 AM - 10:00 AM	1.3	256.0	WSW	0.7	240.0	WSW	0.3	179.0	S	3.4	165.0	SSE	0.9	127.0	SE	1.5	270.0	W	2.2	162.0	SSE
10:00 AM - 11:00 AM	0.1	-	-	0.4	257.0	WSW	0.2	-	-	0.7	205.0	SSW	1.1	157.0	SSE	0.7	190.0	S	2.0	235.0	SW
11:00 AM - 12:00 PM	1.6	238.0	WSW	0.9	273.0	W	0.1	-	-	0.8	220.0	SW	0.7	130.0	SE	3.4	189.0	S	3.0	254.0	WSW

Reference Method : Cup Anemometer & Anodized Aluminium Vane Method

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Approved by

Sarayuth Jittranont  
Assistant General Manager





## Analysis / Test Report

**Client :** Glow IPP Co., Ltd.  
42 Moo 8, CIE 8 Road, Bowin, Sriracha, Chonburi Thailand 20230

**P/O :** 3100021227

**Project Name :**

**Project Location :**

**Lot ID: 2525915**

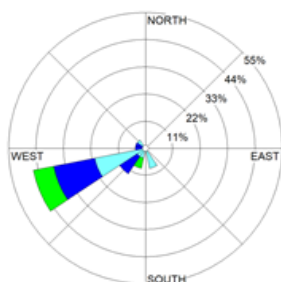
Date Received :Jun 16, 2025

Date Reported :Jun 24, 2025

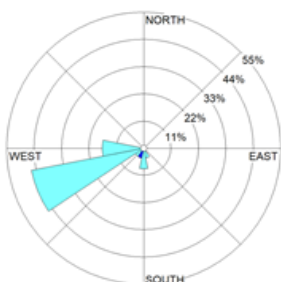
Report Number :3261588-1

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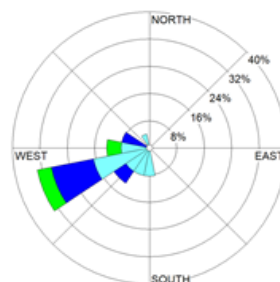
### Wind Rose



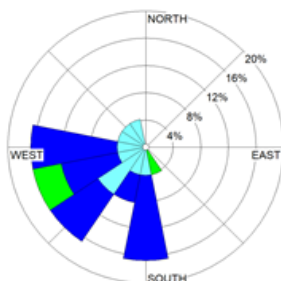
Date : Jun 07-08, 2025



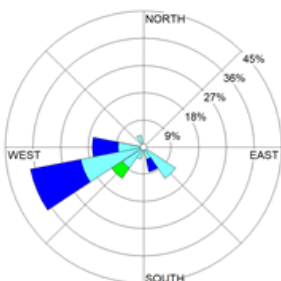
Date : Jun 08-09, 2025



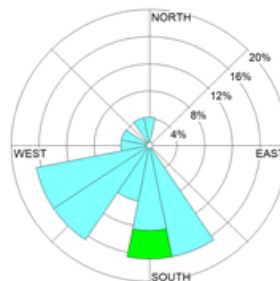
Date : Jun 09-10, 2025



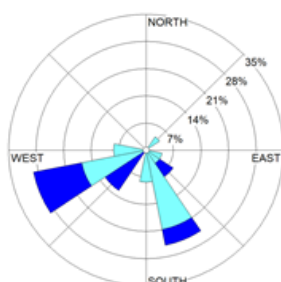
Date : Jun 10-11, 2025



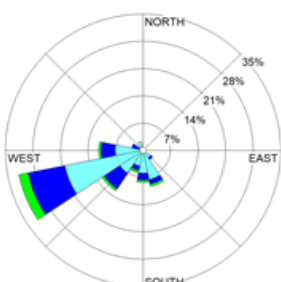
Date : Jun 11-12, 2025



Date : Jun 12-13, 2025



Date : Jun 13-14, 2025



Date : Jun 07-14, 2025

WS (m/s)	%
≥ 10.0	0.00
8.0-10.0	0.00
5.5-8.0	0.00
3.3-5.5	5.36
1.7-3.3	24.41
0.3-1.7	61.31
Calms	8.93

**Location :** วัดพันเสด็จนอก (A5) (GPS 47P 0729688, 1447669)

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 Jitranont  
Assistant General Manager



## Analysis / Test Report

**Client** : Glow IPP Co., Ltd.  
42 Moo 8, CIE 8 Road, Bowin, Sriracha, Chonburi Thailand 20230

**Lot ID: 2525915**  
Date Received :Jun 16, 2025  
Date Reported :Jun 24, 2025  
Report Number :3261588-1

**P/O** : 3100021227

**Project Name** :

**Project Location** :

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**Sample Number** 2525915-36 to 42  
**Parameter** Wind Speed / Wind Direction  
**Location** ชุมชนห้วยเหียน (A6) (GPS 47P 0723088, 1444745)  
**Sampling Date** Jun 07 - Jun 14, 2025  
**Sampling by** Santi Chaichana

Time	Jun 07 - Jun 08, 2025			Jun 08 - Jun 09, 2025			Jun 09 - Jun 10, 2025			Jun 10 - Jun 11, 2025			Jun 11 - Jun 12, 2025			Jun 12 - Jun 13, 2025			Jun 13 - Jun 14, 2025		
	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)	
02:00 PM - 03:00 PM	0.7	139.0	SE	3.1	240.0	WSW	3.4	234.0	SW	2.4	258.0	WSW	1.4	256.0	WSW	3.3	207.0	SSW	1.6	255.0	WSW
03:00 PM - 04:00 PM	2.6	128.0	SE	1.8	217.0	SW	1.5	225.0	SW	1.2	206.0	SSW	1.6	212.0	SSW	1.4	254.0	WSW	0.4	274.0	W
04:00 PM - 05:00 PM	1.1	148.0	SSE	3.6	217.0	SW	2.1	196.0	SSW	1.8	197.0	SSW	0.7	225.0	SW	0.6	217.0	SW	1.3	239.0	WSW
05:00 PM - 06:00 PM	0.0	-	-	4.8	235.0	SW	0.9	190.0	S	1.4	182.0	S	0.7	206.0	SSW	3.3	248.0	WSW	1.3	223.0	SW
06:00 PM - 07:00 PM	1.3	183.0	S	0.5	154.0	SSE	0.7	159.0	SSE	0.9	204.0	SSW	2.9	202.0	SSW	0.4	217.0	SW	1.1	199.0	SSW
07:00 PM - 08:00 PM	1.5	205.0	SSW	2.6	206.0	SSW	0.3	157.0	SSE	0.0	-	-	2.1	193.0	SSW	1.6	208.0	SSW	0.7	231.0	SW
08:00 PM - 09:00 PM	1.8	166.0	SSE	1.1	196.0	SSW	0.7	187.0	S	0.0	-	-	1.4	219.0	SW	3.5	232.0	SW	1.5	189.0	S
09:00 PM - 10:00 PM	1.2	128.0	SE	1.7	138.0	SE	0.7	206.0	SSW	0.3	222.0	SW	1.9	222.0	SW	1.4	189.0	S	1.0	241.0	WSW
10:00 PM - 11:00 PM	0.0	-	-	0.5	185.0	S	1.0	236.0	SW	1.4	191.0	S	0.6	185.0	S	3.2	245.0	WSW	0.0	-	-
11:00 PM - 12:00 AM	0.0	-	-	0.7	121.0	ESE	1.0	247.0	WSW	1.3	222.0	SW	1.5	258.0	WSW	0.9	305.0	NW	0.0	-	-
12:00 AM - 01:00 AM	0.0	-	-	1.2	193.0	SSW	0.9	207.0	SSW	1.3	222.0	SW	1.1	218.0	SW	2.0	255.0	WSW	0.8	251.0	WSW
01:00 AM - 02:00 AM	0.0	-	-	0.0	-	-	0.8	230.0	SW	2.0	247.0	WSW	0.5	222.0	SW	1.4	245.0	WSW	0.0	-	-
02:00 AM - 03:00 AM	0.0	-	-	0.1	-	-	0.8	239.0	WSW	3.2	264.0	W	0.9	209.0	SSW	0.0	-	-	0.7	215.0	SW
03:00 AM - 04:00 AM	0.0	-	-	0.0	-	-	0.0	-	-	2.2	255.0	WSW	0.7	217.0	SW	0.4	234.0	SW	1.5	208.0	SSW
04:00 AM - 05:00 AM	0.0	-	-	0.1	-	-	0.2	-	-	1.6	263.0	W	0.5	226.0	SW	1.2	197.0	SSW	0.4	199.0	SSW
05:00 AM - 06:00 AM	0.0	-	-	0.0	-	-	0.2	-	-	0.3	280.0	W	1.3	262.0	W	0.5	199.0	SSW	0.9	194.0	SSW
06:00 AM - 07:00 AM	1.0	202.0	SSW	0.6	200.0	SSW	1.2	233.0	SW	0.3	266.0	W	0.8	249.0	WSW	1.5	196.0	SSW	1.2	226.0	SW
07:00 AM - 08:00 AM	3.0	239.0	WSW	1.3	182.0	S	2.3	241.0	WSW	2.3	308.0	NW	2.9	275.0	W	1.5	234.0	SW	4.9	269.0	W
08:00 AM - 09:00 AM	2.1	199.0	SSW	3.6	208.0	SSW	1.7	261.0	W	2.3	268.0	W	4.3	249.0	WSW	1.6	196.0	SSW	3.5	239.0	WSW
09:00 AM - 10:00 AM	1.8	273.0	W	1.9	207.0	SSW	2.5	247.0	WSW	1.5	265.0	W	3.6	259.0	W	1.4	250.0	WSW	2.3	210.0	SSW
10:00 AM - 11:00 AM	0.7	304.0	NW	2.6	278.0	W	2.5	256.0	WSW	0.7	245.0	WSW	4.5	265.0	W	4.2	231.0	SW	2.0	226.0	SW
11:00 AM - 12:00 PM	2.6	281.0	W	4.2	188.0	S	2.4	258.0	WSW	3.3	251.0	WSW	3.7	253.0	WSW	3.4	263.0	W	1.6	199.0	SSW
12:00 PM - 01:00 PM	2.4	240.0	WSW	3.9	222.0	SW	1.4	252.0	WSW	3.7	227.0	SW	2.0	216.0	SW	3.0	225.0	SW	1.0	203.0	SSW
01:00 PM - 02:00 PM	2.8	268.0	W	3.1	201.0	SSW	2.4	297.0	WNN	3.2	253.0	WSW	2.4	217.0	SW	4.0	242.0	WSW	1.4	270.0	W

Reference Method : Cup Anemometer & Anodized Aluminium Vane Method

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Approved by

Sarayuth Jittranont  
Assistant General Manager



## Analysis / Test Report

**Client :** Glow IPP Co., Ltd.  
42 Moo 8, CIE 8 Road, Bowin, Sriracha, Chonburi Thailand 20230

**P/O :** 3100021227

**Project Name :**

**Project Location :**

**Lot ID:** 2525915

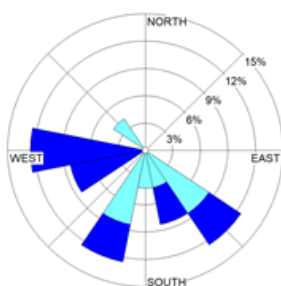
Date Received : Jun 16, 2025

Date Reported : Jun 24, 2025

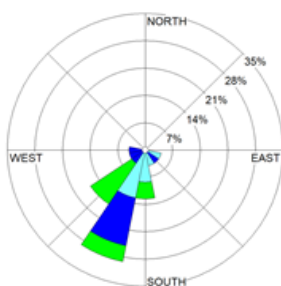
Report Number : 3261588-1

Page 2 of 2

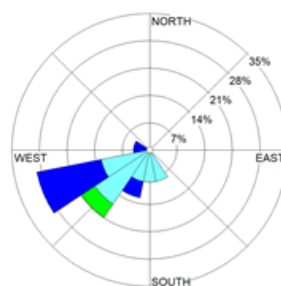
### Wind Rose



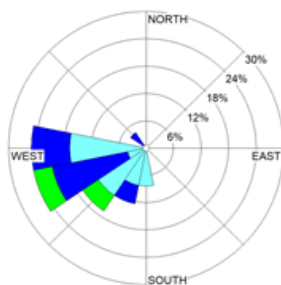
Date : Jun 07-08, 2025



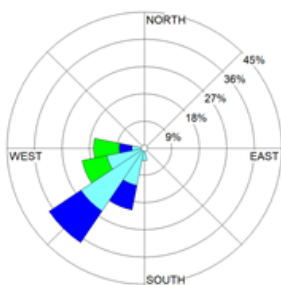
Date : Jun 08-09, 2025



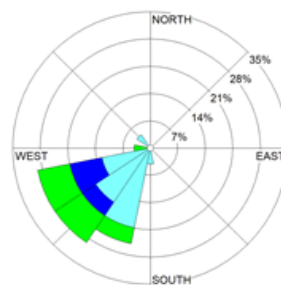
Date : Jun 09-10, 2025



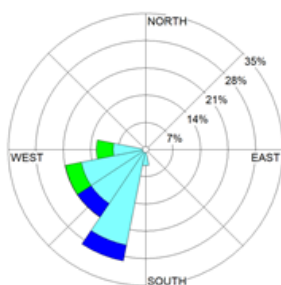
Date : Jun 10-11, 2025



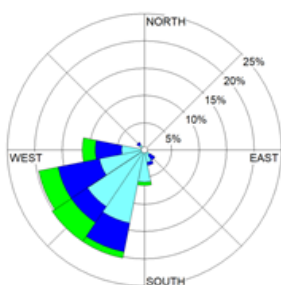
Date : Jun 11-12, 2025



Date : Jun 12-13, 2025



Date : Jun 13-14, 2025



Date : Jun 07-14, 2025

WS (m/s)	%
≥ 10.0	0.00
8.0-10.0	0.00
5.5-8.0	0.00
3.3-5.5	11.91
1.7-3.3	24.41
0.3-1.7	50.00
Calms	13.69

**Location :** ชุมชนห้วยเหียน (A6) (GPS 47P 0723088, 1444745)

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Approved by

Sarayuth Jitranont  
Assistant General Manager



## Analysis / Test Report

**Client** : Glow IPP Co., Ltd.  
42 Moo 8, CIE 8 Road, Bowin, Sriracha, Chonburi Thailand 20230

**Lot ID: 2525915**  
Date Received :Jun 16, 2025  
Date Reported :Jun 24, 2025  
Report Number :3261588-1

**P/O** : 3100021227

**Project Name** :

**Project Location** :

Page 1 of 2

**Sample Number** 2525915-43 to 49  
**Parameter** Wind Speed / Wind Direction  
**Location** บ้านนาหนอง (A7) (GPS 47P 0727425, 1448026)  
**Sampling Date** Jun 07 - Jun 14, 2025  
**Sampling by** Santi Chaichana

Time	Jun 07 - Jun 08, 2025			Jun 08 - Jun 09, 2025			Jun 09 - Jun 10, 2025			Jun 10 - Jun 11, 2025			Jun 11 - Jun 12, 2025			Jun 12 - Jun 13, 2025			Jun 13 - Jun 14, 2025		
	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	2.0	280.0	W	2.2	223.0	SW	3.8	248.0	WSW	1.2	276.0	W	0.5	223.0	SW	0.6	211.0	SSW	1.0	230.0	SW
10:00 AM - 11:00 AM	0.5	145.0	SE	3.1	213.0	SSW	1.4	261.0	W	1.4	269.0	W	0.3	232.0	SW	0.3	212.0	SSW	0.0	-	-
11:00 AM - 12:00 PM	2.4	134.0	SE	1.2	260.0	W	0.2	-	-	0.1	-	-	1.1	268.0	W	0.8	212.0	SSW	0.0	-	-
12:00 PM - 01:00 PM	0.9	154.0	SSE	0.4	223.0	SW	1.1	245.0	WSW	0.1	-	-	0.6	255.0	WSW	0.4	206.0	SSW	1.0	239.0	WSW
01:00 PM - 02:00 PM	0.4	172.0	S	3.1	254.0	WSW	1.1	229.0	SW	2.1	314.0	NW	2.7	281.0	W	1.1	188.0	S	2.1	247.0	WSW
02:00 PM - 03:00 PM	1.1	189.0	S	0.2	-	-	0.9	205.0	SSW	2.1	274.0	W	4.1	255.0	WSW	3.4	214.0	SW	1.5	267.0	W
03:00 PM - 04:00 PM	1.3	211.0	SSW	1.4	214.0	SW	0.5	237.0	WSW	1.3	271.0	W	3.4	265.0	W	1.7	213.0	SSW	2.3	253.0	WSW
04:00 PM - 05:00 PM	1.6	172.0	S	3.3	238.0	WSW	1.3	195.0	SSW	0.5	251.0	WSW	4.3	271.0	W	2.4	284.0	WNW	2.3	262.0	W
05:00 PM - 06:00 PM	1.0	134.0	SE	1.2	195.0	SSW	0.8	247.0	WSW	3.1	257.0	WSW	3.5	259.0	W	0.6	194.0	SSW	2.2	264.0	W
06:00 PM - 07:00 PM	0.6	186.0	S	3.0	251.0	WSW	0.3	215.0	SW	3.5	233.0	SW	1.8	222.0	SW	0.4	228.0	SW	1.2	258.0	WSW
07:00 PM - 08:00 PM	0.2	-	-	0.7	311.0	NW	0.4	213.0	SSW	3.0	259.0	W	2.6	274.0	W	1.0	207.0	SSW	2.2	303.0	WNW
08:00 PM - 09:00 PM	0.3	189.0	S	1.8	261.0	W	0.6	257.0	WSW	1.2	262.0	W	2.9	246.0	WSW	0.3	240.0	WSW	2.2	264.0	W
09:00 PM - 10:00 PM	0.1	-	-	1.2	251.0	WSW	0.6	263.0	W	1.4	218.0	SW	1.6	223.0	SW	1.3	231.0	SW	1.0	212.0	SSW
10:00 PM - 11:00 PM	0.0	-	-	0.4	262.0	W	0.5	221.0	SW	0.5	231.0	SW	1.0	223.0	SW	0.2	-	-	1.6	203.0	SSW
11:00 PM - 12:00 AM	0.6	192.0	SSW	0.2	-	-	1.3	214.0	SW	0.5	212.0	SSW	0.6	241.0	WSW	0.7	196.0	SSW	1.2	188.0	S
12:00 AM - 01:00 AM	0.3	140.0	SE	1.0	203.0	SSW	0.2	-	-	2.7	208.0	SSW	0.3	160.0	SSE	0.5	165.0	SSE	0.7	210.0	SSW
01:00 AM - 02:00 AM	0.8	139.0	SE	0.3	205.0	SSW	0.7	200.0	SSW	1.9	199.0	SSW	2.4	212.0	SSW	0.1	-	-	0.2	-	-
02:00 AM - 03:00 AM	0.8	208.0	SSW	1.3	202.0	SSW	1.0	232.0	SW	1.2	225.0	SW	0.9	202.0	SSW	0.5	193.0	SSW	0.6	203.0	SSW
03:00 AM - 04:00 AM	2.8	245.0	WSW	1.3	240.0	WSW	2.0	275.0	W	1.7	228.0	SW	1.5	144.0	SE	0.5	212.0	SSW	0.1	-	-
04:00 AM - 05:00 AM	1.9	205.0	SSW	1.4	202.0	SSW	3.3	245.0	WSW	0.4	191.0	S	0.3	191.0	S	0.8	242.0	WSW	1.2	197.0	SSW
05:00 AM - 06:00 AM	1.6	279.0	W	1.2	256.0	WSW	2.1	216.0	SW	1.3	264.0	W	0.5	127.0	SE	0.8	253.0	WSW	1.1	228.0	SW
06:00 AM - 07:00 AM	0.5	310.0	NW	4.0	237.0	WSW	1.8	232.0	SW	0.9	224.0	SW	1.0	199.0	SSW	0.7	213.0	SSW	1.1	228.0	SW
07:00 AM - 08:00 AM	2.4	287.0	WNW	3.2	269.0	W	1.4	205.0	SSW	0.3	228.0	SW	0.2	-	-	0.6	236.0	SW	1.8	253.0	WSW
08:00 AM - 09:00 AM	2.2	246.0	WSW	2.8	231.0	SW	0.8	209.0	SSW	0.7	215.0	SW	0.1	-	-	0.6	245.0	WSW	3.0	270.0	W

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 :** Glow IPP Co., Ltd.  
42 Moo 8, CIE 8 Road, Bowin, Sriracha, Chonburi Thailand 20230

**P/O :** 3100021227

**Project Name :**

**Project Location :**

**Lot ID:** 2525915

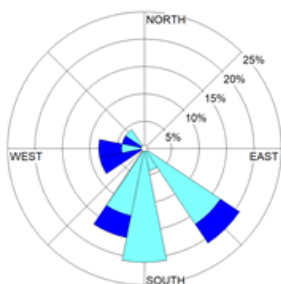
Date Received : Jun 16, 2025

Date Reported : Jun 24, 2025

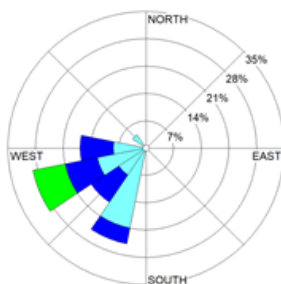
Report Number : 3261588-1

Page 2 of 2

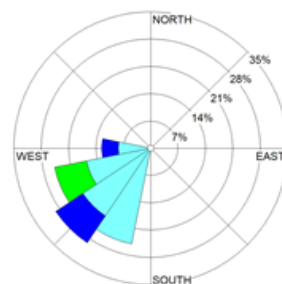
### Wind Rose



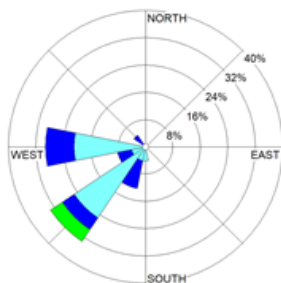
Date : Jun 07-08, 2025



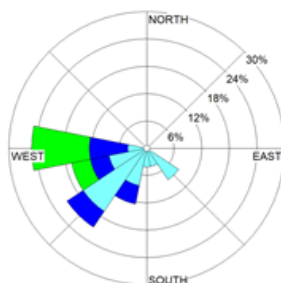
Date : Jun 08-09, 2025



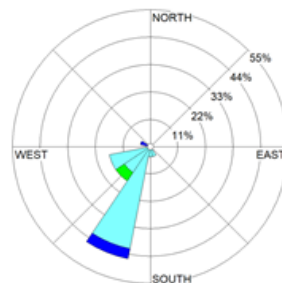
Date : Jun 09-10, 2025



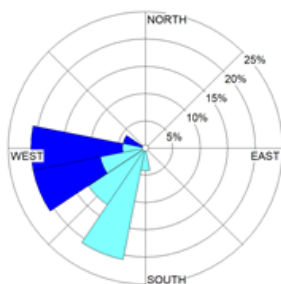
Date : Jun 10-11, 2025



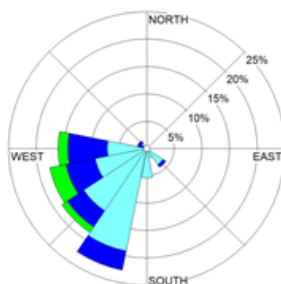
Date : Jun 11-12, 2025



Date : Jun 12-13, 2025



Date : Jun 13-14, 2025



Date : Jun 07-14, 2025

WS (m/s)	%
≥ 10.0	0.00
8.0-10.0	0.00
5.5-8.0	0.00
3.3-5.5	5.95
1.7-3.3	22.62
0.3-1.7	61.31
Calms	10.12

**Location :** บ้านนาบอน (A7) (GPS 47P 0727425, 1448026)

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 Jitranont  
Assistant General Manager

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## ภาคผนวก ค-2

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คุณภาพอากาศจากปล่องระบายอากาศ



## Analysis / Test Report

**Client :** Glow IPP Co., Ltd.  
42 Moo 8, CIE 8 Road, Bowin, Sriracha, Chonburi Thailand 20230  
**P/O :** GLOW-OM-22-103  
**Project Name :**  
**Project Location :** Glow IPP

**Lot ID: 2330566**  
**Date Received :** Dec 15, 2023  
**Date Reported :** Dec 21, 2023  
**Report Number :** 2598412-1

Page 1 of 1

**Sample Number** 2330566-1  
**Sample Description** Emission from Stationary Source  
**Location** HRSG 11  
**Sampled Date** Dec 15, 2023

### Stack Description

Ambient Temperature	32	°C	Diameter	7.00	m	Oxygen	12.62	%
Ambient Pressure	749	mmHg	Shape	Circle		Carbon dioxide	4.60	%
Type of Process	Combustion		Stack Temperature	106	°C	Gas Velocity	15.86	m/s
Type of Fuel	Natural Gas		Moisture	8.98	%	Flow Rate	1548292	Nm3/hr

Run No.	Sampling Time	Oxygen (%)	Carbon Dioxide (%)	Carbon Monoxide (ppm)		Oxides of Nitrogen (ppm)		Sulfur Dioxide (ppm)	
				at Actual O <sub>2</sub>	at 7% O <sub>2</sub>	at Actual O <sub>2</sub>	at 7% O <sub>2</sub>	at Actual O <sub>2</sub>	at 7% O <sub>2</sub>
1	10:30 AM - 10:50 AM	12.62	4.60	1.84	3.09	36.84	61.86	0.26	0.43
2	10:51 AM - 11:11 AM	12.61	4.60	1.73	2.89	37.48	62.86	0.08	0.13
3	11:12 AM - 11:32 AM	12.62	4.60	1.64	2.76	37.57	63.04	0.07	0.12
Average (ppm)		12.62	4.60	1.74	2.91	37.30	62.59	0.13	0.23
Guideline <sup>1/</sup> (ppm)				-	250	-	100	-	-
Guideline <sup>2/</sup> (ppm)				-	-	-	120	-	20
Guideline <sup>3/</sup> (ppm)				-	690	-	-	-	-
Result (mg/Nm <sup>3</sup> )				1.99	3.34	70.17	117.75	0.35	0.59
Emission Rate at Actual O <sub>2</sub> (g/s)				0.855		30.181		0.151	
Guideline <sup>1/</sup> (g/s)				78.600		51.600		-	
Method				US EPA Method 10		US EPA Method 7E		US EPA Method 6C	

**Sampled By :** Worawich Tongpoom

**Guideline :** <sup>1/</sup> Environmental Impact Assessment Report of Glow IPP Co., Ltd.

<sup>2/</sup> Notification of the Ministry of Industry on determining pollutant contents in air emitted from electric power generation, transmission and distribution plant, 2004 (B.E. 2547), dated September, 2004 (B.E. 2547).

<sup>3/</sup> Notification of the Ministry of Industry 2006 (B.E. 2549) Published in the Royal Government Gazette, Vol.123 Special Part 125 D, dated December 4, 2006 (B.E. 2549)

**Technical Management**

Wichan Choonharat  
Manager  
ทะเบียนเลขที่ ว-204-ค-6113

**Approved by**

Sarayuth Jittrantont  
Assistant General Manager  
ทะเบียนเลขที่ ว-204-ค-4702

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## Analysis / Test Report

**Client :** Glow IPP Co., Ltd.  
42 Moo 8, CIE 8 Road, Bowin, Sriracha, Chonburi Thailand 20230  
**P/O :** GLOW-OM-22-103  
**Project Name :**  
**Project Location :** Glow IPP

**Lot ID: 2330985**

Date Received : Dec 15, 2023  
Date Reported : Dec 23, 2023  
Report Number: 2598407-1

Page 1 of 2

**Sample Number** 2330985-1  
**Sampled Date** Dec 15, 2023  
**Sample Description** Emission from Stationary Source  
**Location** HRSG 11  
**Date Analysis Commenced** Dec 19, 2023  
**Condition of Sample** Extracted into one filter paper placed in plastic petri dish

### Stack Description

Ambient Pressure	749	mmHg	Diameter	7.00	m	Oxygen	12.6	%
Ambient Temperature	32.0	°C	Shape	Circle		Carbon Dioxide	4.6	%
Type of Process	Combustion		Stack Temperature	106	°C	Gas Velocity	15.8	m/s
Type of Fuel	Natural Gas		Moisture	9.00	%	Flow Rate (Actual O2)	1546450	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result at 7 %O <sub>2</sub>	Result at 12.6 % O <sub>2</sub>	Guideline (1)	Guideline (2)	Method	Testing Location
<b>Air Testing</b>										
Total Suspended Particulate	10:30 AM - 11:18 AM	mg/m3	-	0.5	<0.5	<0.5	60	20	United States Environmental Protection Agency, EPA Method 5	Bangkok

### Guideline :

Guideline (1) Notification of the Ministry of Industry on determining pollutant contents in air emitted from electric power generation, transmission and distribution plant, 2004 (B.E. 2547), dated September, 2004 (B.E. 2547).  
Guideline (2) Environmental Impact Assessment Report of Glow IPP Co., Ltd.

**Technical Management**

*Saranya C.*

Saranya Chalermthamrong  
Scientist (4)  
ทะเบียนเลขที่ ว-204-จ-4717

**Approved by**

*Kanokkorn Anek*

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

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

**Client :** Glow IPP Co., Ltd.  
42 Moo 8, CIE 8 Road, Bowin, Sriracha, Chonburi Thailand 20230  
**P/O :** GLOW-OM-22-103  
**Project Name :**  
**Project Location :** Glow IPP

**Lot ID: 2330985**

Date Received : Dec 15, 2023  
Date Reported : Dec 23, 2023  
Report Number: 2598407-1

Page 2 of 2

**Sample Number** 2330985-1  
**Sampled Date** Dec 15, 2023  
**Sample Description** Emission from Stationary Source  
**Location** HRSG 11  
**Date Analysis Commenced** Dec 19, 2023  
**Condition of Sample** Extracted into one filter paper placed in plastic petri dish

### Stack Description

Ambient Pressure	749	mmHg	Diameter	7.00	m	Oxygen	12.6	%
Ambient Temperature	32.0	°C	Shape	Circle		Carbon Dioxide	4.6	%
Type of Process	Combustion		Stack Temperature	106	°C	Gas Velocity	15.8	m/s
Type of Fuel	Natural Gas		Moisture	9.00	%	Flow Rate (Actual O2)	1546450	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result Emission Rate	Guideline (1)	Guideline (2)	Method	Testing Location
<b>Air Testing</b>									
Total Suspended Particulate	10:30 AM - 11:18 AM	g/s	-	-	<0.21	-	4.67	Calculated	Bangkok

### Guideline :

Guideline (1) Notification of the Ministry of Industry on determining pollutant contents in air emitted from electric power generation, transmission and distribution plant, 2004 (B.E. 2547), dated September, 2004 (B.E. 2547).  
Guideline (2) Environmental Impact Assessment Report of Glow IPP Co., Ltd.

**Sampled By :** Anuvat Moungpai

Remark :

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

**Technical Management**

*Saranya C.*

Saranya Chalermthamrong  
Scientist (4)  
ทะเบียนเลขที่ ว-204-จ-4717

**Approved by**

*Kanokkorn Anek*

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

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

**Client :** Glow IPP Co., Ltd.  
42 Moo 8, CIE 8 Road, Bowin, Sriracha, Chonburi Thailand 20230  
**P/O :** GLOW-OM-22-103  
**Project Name :**  
**Project Location :** Glow IPP

**Lot ID: 2392013**  
Date Received :Aug 07, 2023  
Date Reported :Aug 09, 2023  
Report Number :2739188-1

Page 1 of 1

**Sample Number** 2392013-1  
**Sample Description** Emission from Stationary Source  
**Location** HRSG 21  
**Sampled Date** Aug 07, 2023

### Stack Description

Ambient Temperature	32	°C	Diameter	7.00	m	Oxygen	11.81	%
Ambient Pressure	747	mmHg	Shape	Circle		Carbon dioxide	5.02	%
Type of Process	Combustion		Stack Temperature	105	°C	Gas Velocity	20.97	m/s
Type of Fuel	Natural Gas		Moisture	9.87	%	Flow Rate	2026629	Nm3/hr

Run No.	Sampling Time	Oxygen (%)	Carbon Dioxide (%)	Carbon Monoxide (ppm)		Oxides of Nitrogen (ppm)		Sulfur Dioxide (ppm)	
				at Actual O <sub>2</sub>	at 7% O <sub>2</sub>	at Actual O <sub>2</sub>	at 7% O <sub>2</sub>	at Actual O <sub>2</sub>	at 7% O <sub>2</sub>
1	11:00 AM - 11:20 AM	11.79	5.00	2.75	4.20	18.30	27.92	0.31	0.47
2	11:21 AM - 11:41 AM	11.81	5.03	3.69	5.63	17.80	27.20	0.15	0.23
3	11:42 AM - 12:02 PM	11.83	5.05	3.53	5.41	16.72	25.62	0.14	0.21
Average (ppm)		11.81	5.02	3.32	5.08	17.60	26.92	0.20	0.31
Guideline <sup>1/</sup> (ppm)				-	250	-	100	-	-
Guideline <sup>2/</sup> (ppm)				-	-	-	120	-	20
Guideline <sup>3/</sup> (ppm)				-	690	-	-	-	-
Result (mg/Nm <sup>3</sup> )				3.80	5.82	33.12	50.64	0.52	0.80
Emission Rate at Actual O <sub>2</sub> (g/s)				2.142		18.646		0.295	
Guideline <sup>1/</sup> (g/s)				78.600		51.600		-	
Method				US EPA Method 10		US EPA Method 7E		US EPA Method 6C	

**Sampled By :** Worawich Tongpoom

**Guideline :** <sup>1/</sup> Environmental Impact Assessment Report of Glow IPP Co., Ltd.

<sup>2/</sup> Notification of the Ministry of Industry on determining pollutant contents in air emitted from electric power generation, transmission and distribution plant, 2004 (B.E. 2547), dated September, 2004 (B.E. 2547).

<sup>3/</sup> Notification of the Ministry of Industry 2006 (B.E. 2549) Published in the Royal Government Gazette, Vol.123 Special Part 125 D, dated December 4, 2006 (B.E. 2549)

**Technical Management**

Wichan Choonharat  
Manager  
ทะเบียนเลขที่ ว-204-ค-6113

**Approved by**

Sarayuth Jittrantont  
Assistant General Manager  
ทะเบียนเลขที่ ว-204-ค-4702

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

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## Analysis / Test Report

**Client :** Glow IPP Co., Ltd.  
42 Moo 8, CIE 8 Road, Bowin, Sriracha, Chonburi Thailand 20230  
**P/O :** GLOW-OM-22-103  
**Project Name :**  
**Project Location :** Glow IPP

**Lot ID: 2330994**

Date Received : Aug 07, 2023  
Date Reported : Aug 12, 2023  
Report Number: 2598406-1

Page 1 of 2

**Sample Number** 2330994-1  
**Sampled Date** Aug 07, 2023  
**Sample Description** Emission from Stationary Source  
**Location** HRSG 21  
**Date Analysis Commenced** Aug 08, 2023  
**Condition of Sample** Extracted into one filter paper placed in plastic petri dish

### Stack Description

Ambient Pressure	747	mmHg	Diameter	7.00	m	Oxygen	11.8	%
Ambient Temperature	32.0	°C	Shape	Circle		Carbon Dioxide	5.0	%
Type of Process	Combustion		Stack Temperature	105	°C	Gas Velocity	21.0	m/s
Type of Fuel	Natural Gas		Moisture	9.87	%	Flow Rate (Actual O2)	2026680	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result at 7 %O <sub>2</sub>	Result at 11.8 % O <sub>2</sub>	Guideline (1)	Guideline (2)	Method	Testing Location
<b>Air Testing</b>										
Total Suspended Particulate	11:00 AM - 12:00 PM	mg/m3	-	0.5	<0.5	<0.5	120	35	United States Environmental Protection Agency, EPA Method 5	Bangkok

### Guideline :

Guideline (1) Notification of the Ministry of Industry on determining pollutant contents in air emitted from electric power generation, transmission and distribution plant, 2004 (B.E. 2547), dated September, 2004 (B.E. 2547).  
Guideline (2) Environmental Impact Assessment Report of Glow IPP Co., Ltd.

Technical Management

*Orawan R.*

Orawan Rakyong  
Scientist (3)

ทะเบียนเลขที่ ว-204-จ-6115

Approved by

*Kanokkorn Anek*

Kanokkorn Anek  
Senior Manager

ทะเบียนเลขที่ ว-204-ค-6111

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## Analysis / Test Report

**Client :** Glow IPP Co., Ltd.  
42 Moo 8, CIE 8 Road, Bowin, Sriracha, Chonburi Thailand 20230  
**P/O :** GLOW-OM-22-103  
**Project Name :**  
**Project Location :** Glow IPP

**Lot ID: 2330994**

Date Received : Aug 07, 2023  
Date Reported : Aug 12, 2023  
Report Number: 2598406-1

Page 2 of 2

**Sample Number** 2330994-1  
**Sampled Date** Aug 07, 2023  
**Sample Description** Emission from Stationary Source  
**Location** HRSG 21  
**Date Analysis Commenced** Aug 08, 2023  
**Condition of Sample** Extracted into one filter paper placed in plastic petri dish

### Stack Description

Ambient Pressure	747	mmHg	Diameter	7.00	m	Oxygen	11.8	%
Ambient Temperature	32.0	°C	Shape	Circle		Carbon Dioxide	5.0	%
Type of Process	Combustion		Stack Temperature	105	°C	Gas Velocity	21.0	m/s
Type of Fuel	Natural Gas		Moisture	9.87	%	Flow Rate (Actual O2)	2026680	Nm3/hr

Analyte	Sampled Time	Unit	LOD	LOQ (LOR)	Result Emission Rate	Guideline (1)	Guideline (2)	Method	Testing Location
<b>Air Testing</b>									
Total Suspended Particulate	11:00 AM - 12:00 PM	g/s	-	-	<0.28	-	10.30	Calculated	Bangkok

### Guideline :

Guideline (1) Notification of the Ministry of Industry on determining pollutant contents in air emitted from electric power generation, transmission and distribution plant, 2004 (B.E. 2547), dated September, 2004 (B.E. 2547).  
Guideline (2) Environmental Impact Assessment Report of Glow IPP Co., Ltd.

**Sampled By :** Ussaree Namburee

Remark :

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

Technical Management

*Orawan R.*

Orawan Rakyong  
Scientist (3)

ทะเบียนเลขที่ ว-204-จ-6115

Approved by

*Kanokkorn Anek*

Kanokkorn Anek  
Senior Manager

ทะเบียนเลขที่ ว-204-ค-6111

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## ภาคผนวก ค-3

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ผลการตรวจวัดระดับเสียงโดยทั่วไป



## Analysis / Test Report



TESTING  
No.0042

Client : Glow IPP Co., Ltd.  
42 Moo 8, CIE 8 Road, Bowin, Sriracha, Chonburi Thailand 20230

P/O : 3100021227

Project Name :

Project Location :

**Lot ID: 2525920**

Date Received : Jun 16, 2025

Date Reported : Jun 20, 2025

Report Number: 3340394-1

Page 1 of 1

**Sample Number** 2525920-1  
**Parameter** Noise (Leq 24 hrs.)  
**Location** East of fence (GPS 47P 0726307, 1447633)  
**Measurement Date** Jun 07 - Jun 08, 2025  
**Measurement by** Santi Chaichana  
**Sound Level meter** Serial No. 623387

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:00 PM - 01:00 PM	53.6	74.6	50.5
01:00 PM - 02:00 PM	57.9	77.7	51.9
02:00 PM - 03:00 PM	53.3	73.4	50.6
03:00 PM - 04:00 PM	57.1	78.7	51.5
04:00 PM - 05:00 PM	54.6	76.0	50.9
05:00 PM - 06:00 PM	57.6	77.4	51.1
06:00 PM - 07:00 PM	56.5	81.8	51.9
07:00 PM - 08:00 PM	53.1	65.6	51.0
08:00 PM - 09:00 PM	52.2	60.8	50.5
09:00 PM - 10:00 PM	52.0	66.8	50.5
10:00 PM - 11:00 PM	52.2	62.2	50.5
11:00 PM - 12:00 AM	52.4	72.2	50.1
12:00 AM - 01:00 AM	50.5	64.0	49.2
01:00 AM - 02:00 AM	50.3	60.0	49.2
02:00 AM - 03:00 AM	51.0	63.1	49.9
03:00 AM - 04:00 AM	51.2	60.5	50.0
04:00 AM - 05:00 AM	54.5	73.1	51.8
05:00 AM - 06:00 AM	55.6	80.1	51.2
06:00 AM - 07:00 AM	53.3	75.0	50.4
07:00 AM - 08:00 AM	59.3	77.7	53.2
08:00 AM - 09:00 AM	56.8	77.9	51.6
09:00 AM - 10:00 AM	59.4	73.9	51.6
10:00 AM - 11:00 AM	54.8	79.2	50.4
11:00 AM - 12:00 PM	53.3	74.6	50.5

Leq Average 24 hrs. (dB(A)) 55.1  
Lmax (dB(A)) 81.8  
L90 (dB(A)) 50.5  
Ldn (dB(A)) 59.8

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

Chontichak

Chonticha Subongkoch  
Scientist (3)

Approved by

Supot S

Supot Salamteh  
Section Head



## Analysis / Test Report

TESTING  
No.0042

**Client :** Glow IPP Co., Ltd.  
42 Moo 8, CIE 8 Road, Bowin, Sriracha, Chonburi Thailand 20230

**P/O :** 3100021227

**Project Name :**

**Project Location :**

**Lot ID: 2525920**

Date Received : Jun 16, 2025

Date Reported : Jun 20, 2025

Report Number: 3340395-1

Page 1 of 1

**Sample Number** 2525920-2  
**Parameter** Noise (Leq 24 hrs.)  
**Location** East of fence (GPS 47P 0726307, 1447633)  
**Measurement Date** Jun 08 - Jun 09, 2025  
**Measurement by** Santi Chaichana  
**Sound Level meter** Serial No. 623387

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:00 PM - 01:00 PM	55.1	68.1	50.5
01:00 PM - 02:00 PM	56.7	72.4	53.6
02:00 PM - 03:00 PM	56.7	72.9	50.4
03:00 PM - 04:00 PM	52.6	73.6	49.9
04:00 PM - 05:00 PM	56.0	77.0	50.4
05:00 PM - 06:00 PM	57.2	73.5	56.0
06:00 PM - 07:00 PM	58.3	68.1	56.4
07:00 PM - 08:00 PM	56.7	70.2	55.9
08:00 PM - 09:00 PM	56.7	61.6	56.0
09:00 PM - 10:00 PM	56.7	70.9	55.9
10:00 PM - 11:00 PM	56.5	61.3	55.9
11:00 PM - 12:00 AM	54.7	62.1	50.0
12:00 AM - 01:00 AM	50.0	61.6	48.6
01:00 AM - 02:00 AM	49.9	59.7	48.6
02:00 AM - 03:00 AM	49.7	60.4	48.4
03:00 AM - 04:00 AM	50.8	61.6	49.2
04:00 AM - 05:00 AM	53.5	70.9	50.9
05:00 AM - 06:00 AM	55.2	74.0	50.5
06:00 AM - 07:00 AM	52.6	69.7	50.7
07:00 AM - 08:00 AM	53.8	70.2	51.7
08:00 AM - 09:00 AM	54.1	68.5	52.0
09:00 AM - 10:00 AM	58.1	75.0	52.7
10:00 AM - 11:00 AM	54.8	76.3	52.7
11:00 AM - 12:00 PM	54.0	73.1	52.0

Leq Average 24 hrs. (dB(A)) 55.2  
Lmax (dB(A)) 77.0  
L90 (dB(A)) 50.9  
Ldn (dB(A)) 60.2

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**

*Chontichak*

Chonticha Subongkoch  
Scientist (3)

**Approved by**

*Supot S*

Supot Salamteh  
Section Head



## Analysis / Test Report

TESTING  
No.0042

**Client :** Glow IPP Co., Ltd.  
42 Moo 8, CIE 8 Road, Bowin, Sriracha, Chonburi Thailand 20230

**P/O :** 3100021227

**Project Name :**

**Project Location :**

**Lot ID: 2525920**

Date Received : Jun 16, 2025

Date Reported : Jun 20, 2025

Report Number: 3340396-1

Page 1 of 1

**Sample Number** 2525920-3  
**Parameter** Noise (Leq 24 hrs.)  
**Location** East of fence (GPS 47P 0726307, 1447633)  
**Measurement Date** Jun 09 - Jun 10, 2025  
**Measurement by** Santi Chaichana  
**Sound Level meter** Serial No. 623387

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
12:00 PM - 01:00 PM	54.2	70.0	52.2
01:00 PM - 02:00 PM	54.1	69.1	52.5
02:00 PM - 03:00 PM	54.0	67.8	52.5
03:00 PM - 04:00 PM	55.2	68.9	52.4
04:00 PM - 05:00 PM	56.2	72.9	51.6
05:00 PM - 06:00 PM	57.4	75.4	52.0
06:00 PM - 07:00 PM	55.2	67.4	51.2
07:00 PM - 08:00 PM	52.2	63.5	50.4
08:00 PM - 09:00 PM	51.6	63.2	49.9
09:00 PM - 10:00 PM	51.6	65.6	49.7
10:00 PM - 11:00 PM	51.2	62.3	49.5
11:00 PM - 12:00 AM	51.1	62.4	49.5
12:00 AM - 01:00 AM	51.0	63.7	49.1
01:00 AM - 02:00 AM	50.1	60.1	49.0
02:00 AM - 03:00 AM	50.1	58.7	48.9
03:00 AM - 04:00 AM	51.4	62.5	49.6
04:00 AM - 05:00 AM	53.6	71.1	51.2
05:00 AM - 06:00 AM	53.3	74.7	50.6
06:00 AM - 07:00 AM	53.3	72.5	50.7
07:00 AM - 08:00 AM	53.0	69.6	50.9
08:00 AM - 09:00 AM	55.1	74.3	51.7
09:00 AM - 10:00 AM	54.5	71.1	51.6
10:00 AM - 11:00 AM	55.0	78.1	51.5
11:00 AM - 12:00 PM	56.0	72.7	51.4

Leq Average 24 hrs. (dB(A)) 53.8  
Lmax (dB(A)) 78.1  
L90 (dB(A)) 50.9  
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**

*Chontichak*

Chonticha Subongkoch  
Scientist (3)

**Approved by**

*Supot S*

Supot Salamteh  
Section Head

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## Analysis / Test Report



TESTING  
No.0042

Client : Glow IPP Co., Ltd.  
42 Moo 8, CIE 8 Road, Bowin, Sriracha, Chonburi Thailand 20230

P/O : 3100021227

Project Name :

Project Location :

**Lot ID: 2525920**

Date Received : Jun 16, 2025

Date Reported : Jun 20, 2025

Report Number: 3340397-1

Page 1 of 1

**Sample Number** 2525920-4  
**Parameter** Noise (Leq 24 hrs.)  
**Location** Ban Bowin (GPS 47P 0723626, 1444322)  
**Measurement Date** Jun 07 - Jun 08, 2025  
**Measurement by** Santi Chaichana  
**Sound Level meter** Serial No. 900073

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
02:00 PM - 03:00 PM	57.9	84.9	46.3
03:00 PM - 04:00 PM	58.3	81.8	45.6
04:00 PM - 05:00 PM	59.4	86.1	47.0
05:00 PM - 06:00 PM	59.6	80.4	50.0
06:00 PM - 07:00 PM	59.8	80.2	50.3
07:00 PM - 08:00 PM	59.1	81.9	51.9
08:00 PM - 09:00 PM	57.5	78.8	50.7
09:00 PM - 10:00 PM	54.7	73.8	49.2
10:00 PM - 11:00 PM	54.9	83.4	48.9
11:00 PM - 12:00 AM	53.7	75.5	46.5
12:00 AM - 01:00 AM	52.7	75.5	46.3
01:00 AM - 02:00 AM	53.3	80.0	44.5
02:00 AM - 03:00 AM	52.9	77.2	43.7
03:00 AM - 04:00 AM	50.8	74.3	42.2
04:00 AM - 05:00 AM	55.9	78.6	41.1
05:00 AM - 06:00 AM	59.2	85.3	44.0
06:00 AM - 07:00 AM	55.5	73.5	46.0
07:00 AM - 08:00 AM	58.3	80.8	47.2
08:00 AM - 09:00 AM	57.7	81.4	46.8
09:00 AM - 10:00 AM	57.8	81.6	47.9
10:00 AM - 11:00 AM	59.1	80.8	47.7
11:00 AM - 12:00 PM	58.5	80.6	46.8
12:00 PM - 01:00 PM	57.1	80.9	46.4
01:00 PM - 02:00 PM	59.0	85.8	45.4

Leq Average 24 hrs. (dB(A)) 57.4  
Lmax (dB(A)) 86.1  
L90 (dB(A)) 46.5  
Ldn (dB(A)) 62.1

Standard (dB(A)) 70 115

Reference Method : ISO1996-1 and 1996-2

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

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

Technical Management

Chontichak

Chonticha Subongkoch  
Scientist (3)

Approved by

Supot S

Supot Salamteh  
Section Head



## Analysis / Test Report

TESTING  
No.0042

Client : Glow IPP Co., Ltd.  
42 Moo 8, CIE 8 Road, Bowin, Sriracha, Chonburi Thailand 20230

P/O : 3100021227

Project Name :

Project Location :

**Lot ID: 2525920**

Date Received : Jun 16, 2025

Date Reported : Jun 20, 2025

Report Number: 3340398-1

Page 1 of 1

**Sample Number** 2525920-5  
**Parameter** Noise (Leq 24 hrs.)  
**Location** Ban Bowin (GPS 47P 0723626, 1444322)  
**Measurement Date** Jun 08 - Jun 09, 2025  
**Measurement by** Santi Chaichana  
**Sound Level meter** Serial No. 900073

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
02:00 PM - 03:00 PM	57.8	84.7	45.9
03:00 PM - 04:00 PM	56.8	77.6	46.8
04:00 PM - 05:00 PM	59.3	83.0	47.8
05:00 PM - 06:00 PM	58.3	75.8	49.5
06:00 PM - 07:00 PM	60.5	85.1	50.0
07:00 PM - 08:00 PM	57.8	77.7	52.3
08:00 PM - 09:00 PM	58.7	83.9	51.0
09:00 PM - 10:00 PM	55.9	76.4	49.6
10:00 PM - 11:00 PM	56.4	80.9	50.0
11:00 PM - 12:00 AM	55.0	77.3	49.4
12:00 AM - 01:00 AM	55.1	75.5	46.8
01:00 AM - 02:00 AM	50.2	70.9	44.7
02:00 AM - 03:00 AM	50.0	74.4	44.3
03:00 AM - 04:00 AM	51.7	74.0	43.4
04:00 AM - 05:00 AM	55.8	75.8	49.2
05:00 AM - 06:00 AM	57.3	79.6	47.9
06:00 AM - 07:00 AM	58.7	84.5	49.0
07:00 AM - 08:00 AM	60.1	78.9	52.1
08:00 AM - 09:00 AM	58.0	80.4	47.7
09:00 AM - 10:00 AM	57.8	78.4	46.1
10:00 AM - 11:00 AM	59.0	79.0	46.6
11:00 AM - 12:00 PM	57.8	79.6	45.2
12:00 PM - 01:00 PM	56.5	75.2	46.0
01:00 PM - 02:00 PM	56.2	76.2	45.0

Leq Average 24 hrs. (dB(A)) 57.4  
Lmax (dB(A)) 85.1  
L90 (dB(A)) 47.7  
Ldn (dB(A)) 62.3

Standard (dB(A)) 70 115

Reference Method : ISO1996-1 and 1996-2

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

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

Technical Management

Chontichak

Chonticha Subongkoch  
Scientist (3)

Approved by

Supot S

Supot Salamteh  
Section Head



## Analysis / Test Report



TESTING  
No.0042

Client : Glow IPP Co., Ltd.  
42 Moo 8, CIE 8 Road, Bowin, Sriracha, Chonburi Thailand 20230

P/O : 3100021227

Project Name :

Project Location :

**Lot ID: 2525920**

Date Received : Jun 16, 2025

Date Reported : Jun 20, 2025

Report Number: 3340399-1

Page 1 of 1

**Sample Number** 2525920-6  
**Parameter** Noise (Leq 24 hrs.)  
**Location** Ban Bowin (GPS 47P 0723626, 1444322)  
**Measurement Date** Jun 09 - Jun 10, 2025  
**Measurement by** Santi Chaichana  
**Sound Level meter** Serial No. 900073

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
02:00 PM - 03:00 PM	57.4	82.0	46.9
03:00 PM - 04:00 PM	57.2	80.6	47.6
04:00 PM - 05:00 PM	58.8	78.3	49.8
05:00 PM - 06:00 PM	59.7	82.1	51.1
06:00 PM - 07:00 PM	60.4	82.9	52.4
07:00 PM - 08:00 PM	65.0	79.4	52.8
08:00 PM - 09:00 PM	61.0	88.2	52.8
09:00 PM - 10:00 PM	56.5	77.7	50.1
10:00 PM - 11:00 PM	54.3	74.0	46.1
11:00 PM - 12:00 AM	50.6	68.9	44.1
12:00 AM - 01:00 AM	50.9	69.3	43.2
01:00 AM - 02:00 AM	49.0	70.8	42.2
02:00 AM - 03:00 AM	49.5	70.5	42.7
03:00 AM - 04:00 AM	49.8	69.7	41.7
04:00 AM - 05:00 AM	50.8	68.6	44.8
05:00 AM - 06:00 AM	56.7	78.7	45.0
06:00 AM - 07:00 AM	58.0	80.7	49.2
07:00 AM - 08:00 AM	60.7	88.8	52.3
08:00 AM - 09:00 AM	57.8	76.1	49.0
09:00 AM - 10:00 AM	56.5	75.7	46.1
10:00 AM - 11:00 AM	58.1	79.2	44.6
11:00 AM - 12:00 PM	56.5	76.4	44.4
12:00 PM - 01:00 PM	59.5	83.2	48.0
01:00 PM - 02:00 PM	58.5	76.0	49.7

Leq Average 24 hrs. (dB(A)) 58.1  
Lmax (dB(A)) 88.8  
L90 (dB(A)) 46.9  
Ldn (dB(A)) 61.5

Standard (dB(A)) 70 115

Reference Method : ISO1996-1 and 1996-2

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

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

Technical Management

Chontichak

Chonticha Subongkoch  
Scientist (3)

Approved by

Supot S

Supot Salamteh  
Section Head



## Analysis / Test Report

TESTING  
No.0042

**Client :** Glow IPP Co., Ltd.  
42 Moo 8, CIE 8 Road, Bowin, Sriracha, Chonburi Thailand 20230

**P/O :** 3100021227

**Project Name :**

**Project Location :**

**Lot ID: 2525920**

Date Received : Jun 16, 2025

Date Reported : Jun 20, 2025

Report Number: 3340400-1

Page 1 of 1

**Sample Number** 2525920-7  
**Parameter** Noise (Leq 24 hrs.)  
**Location** Ban Huai Hien (GPS 47P 0723114, 1444751)  
**Measurement Date** Jun 07 - Jun 08, 2025  
**Measurement by** Santi Chaichana  
**Sound Level meter** Serial No. 900074

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
02:00 PM - 03:00 PM	54.3	82.5	45.3
03:00 PM - 04:00 PM	49.8	71.4	45.5
04:00 PM - 05:00 PM	53.3	76.5	46.3
05:00 PM - 06:00 PM	56.5	85.1	46.3
06:00 PM - 07:00 PM	60.1	84.7	49.6
07:00 PM - 08:00 PM	57.4	77.3	51.9
08:00 PM - 09:00 PM	58.3	83.5	50.6
09:00 PM - 10:00 PM	55.5	76.0	49.2
10:00 PM - 11:00 PM	56.0	80.5	49.6
11:00 PM - 12:00 AM	54.6	76.9	49.0
12:00 AM - 01:00 AM	54.7	75.1	46.4
01:00 AM - 02:00 AM	49.8	70.5	44.3
02:00 AM - 03:00 AM	49.6	74.0	43.9
03:00 AM - 04:00 AM	51.3	73.6	43.0
04:00 AM - 05:00 AM	55.4	75.4	48.8
05:00 AM - 06:00 AM	56.9	79.2	47.5
06:00 AM - 07:00 AM	58.3	84.1	48.6
07:00 AM - 08:00 AM	59.7	78.5	51.7
08:00 AM - 09:00 AM	57.6	80.0	47.3
09:00 AM - 10:00 AM	57.4	78.0	45.7
10:00 AM - 11:00 AM	58.6	78.6	46.2
11:00 AM - 12:00 PM	57.4	79.2	44.8
12:00 PM - 01:00 PM	56.1	74.8	45.6
01:00 PM - 02:00 PM	55.8	75.8	44.6

Leq Average 24 hrs. (dB(A)) 56.4  
Lmax (dB(A)) 85.1  
L90 (dB(A)) 46.3  
Ldn (dB(A)) 61.7

Standard (dB(A)) 70 115

Reference Method : ISO1996-1 and 1996-2

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

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

**Technical Management**

*Chontichak*

Chonticha Subongkoch  
Scientist (3)

**Approved by**

*Supot S*

Supot Salamteh  
Section Head

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## Analysis / Test Report

TESTING  
No.0042

Client : Glow IPP Co., Ltd.  
42 Moo 8, CIE 8 Road, Bowin, Sriracha, Chonburi Thailand 20230

P/O : 3100021227

Project Name :

Project Location :

**Lot ID: 2525920**

Date Received : Jun 16, 2025

Date Reported : Jun 20, 2025

Report Number: 3340401-1

Page 1 of 1

**Sample Number** 2525920-8  
**Parameter** Noise (Leq 24 hrs.)  
**Location** Ban Huai Hien (GPS 47P 0723114, 1444751)  
**Measurement Date** Jun 08 - Jun 09, 2025  
**Measurement by** Santi Chaichana  
**Sound Level meter** Serial No. 900074

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
02:00 PM - 03:00 PM	57.0	81.6	46.5
03:00 PM - 04:00 PM	56.8	80.2	47.2
04:00 PM - 05:00 PM	58.4	77.9	49.4
05:00 PM - 06:00 PM	59.3	81.7	50.7
06:00 PM - 07:00 PM	60.0	82.5	52.0
07:00 PM - 08:00 PM	64.6	79.0	52.4
08:00 PM - 09:00 PM	60.6	87.8	52.4
09:00 PM - 10:00 PM	56.1	77.3	49.7
10:00 PM - 11:00 PM	53.9	73.6	45.7
11:00 PM - 12:00 AM	50.2	68.5	43.7
12:00 AM - 01:00 AM	50.5	68.9	42.8
01:00 AM - 02:00 AM	48.6	70.4	41.8
02:00 AM - 03:00 AM	49.1	70.1	42.3
03:00 AM - 04:00 AM	49.4	69.3	41.3
04:00 AM - 05:00 AM	50.4	68.2	44.4
05:00 AM - 06:00 AM	56.3	78.3	44.6
06:00 AM - 07:00 AM	57.6	80.3	48.8
07:00 AM - 08:00 AM	60.3	88.4	51.9
08:00 AM - 09:00 AM	57.4	75.7	48.6
09:00 AM - 10:00 AM	56.1	75.3	45.7
10:00 AM - 11:00 AM	57.7	78.8	44.2
11:00 AM - 12:00 PM	56.1	76.0	44.0
12:00 PM - 01:00 PM	59.1	82.8	47.6
01:00 PM - 02:00 PM	58.1	75.6	49.3

Leq Average 24 hrs. (dB(A)) 57.7  
Lmax (dB(A)) 88.4  
L90 (dB(A)) 46.5  
Ldn (dB(A)) 61.1

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

Chontichak

Chonticha Subongkoch  
Scientist (3)

Approved by

Supot S

Supot Salamteh  
Section Head

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## Analysis / Test Report

TESTING  
No.0042

Client : Glow IPP Co., Ltd.  
42 Moo 8, CIE 8 Road, Bowin, Sriracha, Chonburi Thailand 20230

P/O : 3100021227

Project Name :

Project Location :

**Lot ID: 2525920**

Date Received : Jun 16, 2025

Date Reported : Jun 20, 2025

Report Number: 3340402-1

Page 1 of 1

**Sample Number** 2525920-9  
**Parameter** Noise (Leq 24 hrs.)  
**Location** Ban Huai Hien (GPS 47P 0723114, 1444751)  
**Measurement Date** Jun 09 - Jun 10, 2025  
**Measurement by** Santi Chaichana  
**Sound Level meter** Serial No. 900074

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
02:00 PM - 03:00 PM	57.5	84.5	45.9
03:00 PM - 04:00 PM	57.9	81.4	45.2
04:00 PM - 05:00 PM	59.0	85.7	46.6
05:00 PM - 06:00 PM	59.2	80.0	49.6
06:00 PM - 07:00 PM	59.4	79.8	49.9
07:00 PM - 08:00 PM	58.7	81.5	51.5
08:00 PM - 09:00 PM	57.1	78.4	50.3
09:00 PM - 10:00 PM	54.3	73.4	48.8
10:00 PM - 11:00 PM	54.5	83.0	48.5
11:00 PM - 12:00 AM	53.3	75.1	46.1
12:00 AM - 01:00 AM	52.3	75.1	45.9
01:00 AM - 02:00 AM	52.9	79.6	44.1
02:00 AM - 03:00 AM	52.5	76.8	43.3
03:00 AM - 04:00 AM	50.4	73.9	41.8
04:00 AM - 05:00 AM	55.5	78.2	40.7
05:00 AM - 06:00 AM	58.8	84.9	43.6
06:00 AM - 07:00 AM	55.1	73.1	45.6
07:00 AM - 08:00 AM	57.9	80.4	46.8
08:00 AM - 09:00 AM	57.3	81.0	46.4
09:00 AM - 10:00 AM	57.4	81.2	47.5
10:00 AM - 11:00 AM	58.7	80.4	47.3
11:00 AM - 12:00 PM	58.1	80.2	46.4
12:00 PM - 01:00 PM	56.7	80.5	46.0
01:00 PM - 02:00 PM	58.6	85.4	45.0

Leq Average 24 hrs. (dB(A)) 57.0  
Lmax (dB(A)) 85.7  
L90 (dB(A)) 46.1  
Ldn (dB(A)) 61.7

Standard (dB(A)) 70 115

Reference Method : ISO1996-1 and 1996-2

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

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

Technical Management

Chontichak

Chonticha Subongkoch  
Scientist (3)

Approved by

Supot S

Supot Salamteh  
Section Head

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## Analysis / Test Report

TESTING  
No.0042

Client : Glow IPP Co., Ltd.  
42 Moo 8, CIE 8 Road, Bowin, Sriracha, Chonburi Thailand 20230

P/O : 3100021227

Project Name :

Project Location :

**Lot ID: 2525920**

Date Received : Jun 16, 2025

Date Reported : Jun 20, 2025

Report Number: 3340403-1

Page 1 of 1

**Sample Number** 2525920-10  
**Parameter** Noise (Leq 24 hrs.)  
**Location** Ban Pansadet Nok (GPS 47P 0729706, 144657)  
**Measurement Date** Jun 07 - Jun 08, 2025  
**Measurement by** Santi Chaichana  
**Sound Level meter** Serial No. 623388

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
01:00 PM - 02:00 PM	56.4	82.3	48.7
02:00 PM - 03:00 PM	55.2	80.0	47.7
03:00 PM - 04:00 PM	56.3	78.2	47.4
04:00 PM - 05:00 PM	53.7	76.8	47.5
05:00 PM - 06:00 PM	56.9	74.5	50.1
06:00 PM - 07:00 PM	55.2	73.0	49.3
07:00 PM - 08:00 PM	56.0	74.7	49.3
08:00 PM - 09:00 PM	55.4	76.6	48.7
09:00 PM - 10:00 PM	56.2	79.8	47.6
10:00 PM - 11:00 PM	53.5	72.1	46.5
11:00 PM - 12:00 AM	50.0	71.7	44.2
12:00 AM - 01:00 AM	49.1	71.2	43.5
01:00 AM - 02:00 AM	50.5	79.9	42.8
02:00 AM - 03:00 AM	49.6	80.3	41.5
03:00 AM - 04:00 AM	49.3	77.9	40.5
04:00 AM - 05:00 AM	52.8	78.9	40.8
05:00 AM - 06:00 AM	54.2	80.0	43.4
06:00 AM - 07:00 AM	53.5	72.4	47.3
07:00 AM - 08:00 AM	53.6	69.9	47.7
08:00 AM - 09:00 AM	55.2	78.3	46.0
09:00 AM - 10:00 AM	55.3	73.0	46.8
10:00 AM - 11:00 AM	55.9	79.2	45.6
11:00 AM - 12:00 PM	56.0	77.0	45.5
12:00 PM - 01:00 PM	54.1	72.5	44.6

Leq Average 24 hrs. (dB(A)) 54.5  
Lmax (dB(A)) 82.3  
L90 (dB(A)) 46.5  
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 และระดับเสียงที่เกิดจากการประกอบกิจการ  
โรงงาน พ.ศ. 2548

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

Technical Management

Chontichak

Chonticha Subongkoch  
Scientist (3)

Approved by

Supot S

Supot Salamteh  
Section Head



## Analysis / Test Report

TESTING  
No.0042

Client : Glow IPP Co., Ltd.  
42 Moo 8, CIE 8 Road, Bowin, Sriracha, Chonburi Thailand 20230

P/O : 3100021227

Project Name :

Project Location :

**Lot ID: 2525920**

Date Received : Jun 16, 2025

Date Reported : Jun 20, 2025

Report Number: 3340404-1

Page 1 of 1

**Sample Number** 2525920-11  
**Parameter** Noise (Leq 24 hrs.)  
**Location** Ban Pansadet Nok (GPS 47P 0729706, 144657)  
**Measurement Date** Jun 08 - Jun 09, 2025  
**Measurement by** Santi Chaichana  
**Sound Level meter** Serial No. 623388

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
01:00 PM - 02:00 PM	53.9	80.4	43.6
02:00 PM - 03:00 PM	53.6	78.1	43.8
03:00 PM - 04:00 PM	55.3	76.1	46.3
04:00 PM - 05:00 PM	55.2	74.8	46.0
05:00 PM - 06:00 PM	62.1	90.7	48.1
06:00 PM - 07:00 PM	56.6	78.6	48.8
07:00 PM - 08:00 PM	55.3	77.4	48.4
08:00 PM - 09:00 PM	53.9	72.4	47.5
09:00 PM - 10:00 PM	52.9	74.1	45.3
10:00 PM - 11:00 PM	52.2	70.0	45.8
11:00 PM - 12:00 AM	52.0	77.6	45.2
12:00 AM - 01:00 AM	46.4	65.1	42.0
01:00 AM - 02:00 AM	47.1	74.5	39.9
02:00 AM - 03:00 AM	48.0	76.9	38.7
03:00 AM - 04:00 AM	45.1	66.8	40.1
04:00 AM - 05:00 AM	53.5	79.8	41.4
05:00 AM - 06:00 AM	56.6	79.1	42.6
06:00 AM - 07:00 AM	53.0	73.5	47.1
07:00 AM - 08:00 AM	60.6	78.3	51.7
08:00 AM - 09:00 AM	58.6	74.1	49.4
09:00 AM - 10:00 AM	53.9	75.8	47.6
10:00 AM - 11:00 AM	54.0	72.9	46.4
11:00 AM - 12:00 PM	54.9	77.9	47.3
12:00 PM - 01:00 PM	59.4	79.6	48.3

Leq Average 24 hrs. (dB(A)) 55.7  
Lmax (dB(A)) 90.7  
L90 (dB(A)) 46.0  
Ldn (dB(A)) 59.5

Standard (dB(A)) 70 115

Reference Method : ISO1996-1 and 1996-2

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

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

Technical Management

Chontichak

Chonticha Subongkoch  
Scientist (3)

Approved by

Supot S

Supot Salamteh  
Section Head

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## Analysis / Test Report

TESTING  
No.0042

Client : Glow IPP Co., Ltd.  
42 Moo 8, CIE 8 Road, Bowin, Sriracha, Chonburi Thailand 20230

P/O : 3100021227

Project Name :

Project Location :

**Lot ID: 2525920**

Date Received : Jun 16, 2025

Date Reported : Jun 20, 2025

Report Number: 3340405-1

Page 1 of 1

**Sample Number** 2525920-12  
**Parameter** Noise (Leq 24 hrs.)  
**Location** Ban Pansadet Nok (GPS 47P 0729706, 144657)  
**Measurement Date** Jun 09 - Jun 10, 2025  
**Measurement by** Santi Chaichana  
**Sound Level meter** Serial No. 623388

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
01:00 PM - 02:00 PM	55.9	75.3	47.6
02:00 PM - 03:00 PM	55.3	75.7	47.7
03:00 PM - 04:00 PM	58.1	75.5	50.9
04:00 PM - 05:00 PM	58.4	79.4	48.7
05:00 PM - 06:00 PM	57.3	82.7	49.8
06:00 PM - 07:00 PM	55.8	80.9	48.3
07:00 PM - 08:00 PM	55.7	76.2	48.5
08:00 PM - 09:00 PM	54.9	73.8	46.8
09:00 PM - 10:00 PM	53.1	71.6	44.2
10:00 PM - 11:00 PM	51.0	73.5	42.4
11:00 PM - 12:00 AM	49.3	75.6	40.8
12:00 AM - 01:00 AM	49.0	71.0	41.8
01:00 AM - 02:00 AM	44.0	65.6	41.0
02:00 AM - 03:00 AM	45.6	66.0	41.5
03:00 AM - 04:00 AM	54.2	79.7	41.6
04:00 AM - 05:00 AM	44.2	63.0	40.9
05:00 AM - 06:00 AM	56.9	79.4	42.9
06:00 AM - 07:00 AM	53.3	73.8	47.4
07:00 AM - 08:00 AM	60.9	78.6	52.0
08:00 AM - 09:00 AM	58.9	74.4	49.7
09:00 AM - 10:00 AM	54.2	76.1	47.9
10:00 AM - 11:00 AM	54.3	73.2	46.7
11:00 AM - 12:00 PM	55.2	78.2	47.6
12:00 PM - 01:00 PM	59.7	79.9	48.6

Leq Average 24 hrs. (dB(A)) 55.7  
Lmax (dB(A)) 82.7  
L90 (dB(A)) 47.4  
Ldn (dB(A)) 59.4

Standard (dB(A)) 70 115

Reference Method : ISO1996-1 and 1996-2

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

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

Technical Management

Chontichak

Chonticha Subongkoch  
Scientist (3)

Approved by

Supot S

Supot Salamteh  
Section Head

## ภาคผนวก ค-4

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ผลการตรวจวิเคราะห์คุณภาพน้ำทิ้ง



## Analysis / Test Report

**Client :** Glow IPP Co., Ltd.  
42 Moo 8, CIE 8 Road, Bowin, Sriracha, Chonburi Thailand 20230

**P/O :**

**Project Name :**

**Project Location :**

**TESTING**

**No.0042**

**Lot ID: 24145569**

Date Received : Jan 09, 2025

Date Reported : Jan 16, 2025

Report Number : 3205718-1

Page 1 of 2

<b>Sample Number</b>	24145569-1
<b>Sampled Date</b>	Jan 09, 2025 9:20 AM
<b>Sample Description</b>	Wastewater
<b>Location</b>	Water Quality Checking Pond
<b>Date Analysis Commenced</b>	Jan 09, 2025
<b>Condition of Sample</b>	Contained in two glass vials, one amber glass bottle and five plastic bottles. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Water Testing</b>							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	20.5	≤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	66	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5220 D	Rayong
Oil & Grease *	mg/L	-	1	1	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	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
Residual Free Chlorine *	mg/L	-	0.05	<0.05	≤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	≤1.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-S2 (C, F)	Rayong
Temperature *	Degree C	-	-	28.1	≤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	212	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	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

**Technical Management**

**Photchana S.**

Photchana Seeda

Scientist (4)

ทะเบียนเลขที่ ว-323-จ-0028

**Approved by**

**D. Changchon.**

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

**Client :** Glow IPP Co., Ltd.  
42 Moo 8, CIE 8 Road, Bowin, Sriracha, Chonburi Thailand 20230

**P/O :**

**Project Name :**

**Project Location:**

**TESTING**

**No.0042**

**Lot ID: 24145569**

Date Received : Jan 09, 2025

Date Reported : Jan 16, 2025

Report Number : 3205718-1

Page 2 of 2

**Guideline :** Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.

**Sampling By :** Nattawut Athomprommarat ทะเบียนเลขที่ ว-323-จ-0006 , Pattarapol Sawangjaitam ทะเบียนเลขที่ ว-204-จ-0002

Remark :

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked \* is/are not included in scope of Accreditation ISO/IEC 17025.
- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Technical Management

Photchana S.

Photchana Seeda

Scientist (4)

ทะเบียนเลขที่ ว-323-จ-0028

Approved by

D. Changchon.

Dej Changchon

Senior Manager

ทะเบียนเลขที่ ว-323-ค-0001

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## Analysis / Test Report

**Client :** Glow IPP Co., Ltd.  
42 Moo 8, CIE 8 Road, Bowin, Sriracha, Chonburi Thailand 20230

**P/O :**

**Project Name :**

**Project Location :**

**Lot ID: 24145569**

Date Received : Jan 09, 2025

Date Reported : Jan 16, 2025

Report Number : 3205718-3

Page 1 of 1

<b>Sample Number</b>	24145569-1						
<b>Sampled Date</b>	Jan 09, 2025 9:20 AM						
<b>Sample Description</b>	Wastewater						
<b>Location</b>	Water Quality Checking Pond						
<b>Date Analysis Commenced</b>	Jan 09, 2025						
<b>Condition of Sample</b>	Contained in two glass vials, one amber glass bottle and five plastic bottles. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Water Testing</b>							
Flow rate	m3/s	-	-	No Report	No Standard	Flow meter	Rayong

**Guideline :** Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.

**Sampling By :** Nattawut Athomprommarat , Pattarapol Sawangjaitam

Remark :

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

Approved by

Photchana S.

Photchana Seeda  
Scientist (4)

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## Analysis / Test Report

TESTING

No.0042

**Lot ID: 254706**

Date Received : Feb 06, 2025

Date Reported : Feb 14, 2025

Report Number : 3214158-1

**Client :** Glow IPP Co., Ltd.

42 Moo 8, CIE 8 Road, Bowin, Sriracha, Chonburi Thailand 20230

**P/O :**

**Project Name :**

**Project Location:**

Page 1 of 2

<b>Sample Number</b>	254706-1
<b>Sampled Date</b>	Feb 06, 2025 9:33 AM
<b>Sample Description</b>	Wastewater
<b>Location</b>	Water Quality Checking Pond
<b>Date Analysis Commenced</b>	Feb 06, 2025
<b>Condition of Sample</b>	Contained in one amber glass bottle, two glass vials and five plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Water Testing</b>							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	18.7	≤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	64	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5220 D	Rayong
Oil & Grease *	mg/L	-	1	2	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	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
Residual Free Chlorine *	mg/L	-	0.05	<0.05	≤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	≤1.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-S2 (C, F)	Rayong
Temperature *	Degree C	-	-	28.7	≤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	216	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	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

Technical Management

**Photchana S.**

Photchana Seeda

Scientist (4)

ทะเบียนเลขที่ ว-323-จ-0028

Approved by

**D. Changchon.**

Dej Changchon

Senior Manager

ทะเบียนเลขที่ ว-323-ค-0001

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

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## Analysis / Test Report

**Client :** Glow IPP Co., Ltd.  
42 Moo 8, CIE 8 Road, Bowin, Sriracha, Chonburi Thailand 20230

**P/O :**

**Project Name :**

**Project Location:**

**TESTING**

**No.0042**

**Lot ID: 254706**

Date Received : Feb 06, 2025

Date Reported : Feb 14, 2025

Report Number : 3214158-1

Page 2 of 2

**Guideline :** Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.

**Sampling By :** Warunyoo Chimphalee ทะเบียนเลขที่ ว-323-จ-0020 , 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 S.

Photchana Seeda  
Scientist (4)

ทะเบียนเลขที่ ว-323-จ-0028

Approved by

D. Changchon.

Dej Changchon  
Senior Manager

ทะเบียนเลขที่ ว-323-ค-0001

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## Analysis / Test Report

**Client :** Glow IPP Co., Ltd.  
42 Moo 8, CIE 8 Road, Bowin, Sriracha, Chonburi Thailand 20230

**P/O :**

**Project Name :**

**Project Location :**

**Lot ID: 254706**

Date Received : Feb 06, 2025

Date Reported : Feb 14, 2025

Report Number : 3214158-3

Page 1 of 1

<b>Sample Number</b>	254706-1						
<b>Sampled Date</b>	Feb 06, 2025 9:33 AM						
<b>Sample Description</b>	Wastewater						
<b>Location</b>	Water Quality Checking Pond						
<b>Date Analysis Commenced</b>	Feb 06, 2025						
<b>Condition of Sample</b>	Contained in one amber glass bottle, two glass vials and five plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Water Testing</b>							
Flow rate	m3/s	-	-	No Report	No Standard	Flow meter	Rayong

**Guideline :** Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.

**Sampling By :** Warunyoo Chimphalee , Samart Khumphlee

Remark :

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

Approved by

Photchana S.

Photchana Seeda  
Scientist (4)

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TESTING  
No.0042

## Analysis / Test Report

**Client :** Glow IPP Co., Ltd.  
42 Moo 8, CIE 8 Road, Bowin, Sriracha, Chonburi Thailand 20230

**P/O :**  
**Project Name :**  
**Project Location :**

**Lot ID: 2514656**

Date Received : Mar 06, 2025  
Date Reported : Mar 13, 2025  
Report Number : 3236350-1

Page 1 of 2

**Sample Number** 2514656-1  
**Sampled Date** Mar 06, 2025 9:40 AM  
**Sample Description** Wastewater  
**Location** Water Quality Checking Pond  
**Date Analysis Commenced** Mar 06, 2025  
**Condition of Sample** Contained in two glass vials, one amber glass bottle and five plastic bottles. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Water Testing</b>							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	<2.0	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Rayong
COD	mg/L	1.5	25	39	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5220 D	Rayong
Oil & Grease *	mg/L	-	1	1	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	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
Residual Free Chlorine *	mg/L	-	0.05	<0.05	≤1		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	-	-	30.2	≤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	168	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	9	≤200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Rayong

Technical Management

Photchana S.

Photchana Seeda  
Scientist (4)

ทะเบียนเลขที่ ว-323-จ-0028

Approved by

D. Changchon.

Dej Changchon  
Senior Manager

ทะเบียนเลขที่ ว-323-ค-0001

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## Analysis / Test Report

TESTING  
No.0042

**Client :** Glow IPP Co., Ltd.  
42 Moo 8, CIE 8 Road, Bowin, Sriracha, Chonburi Thailand 20230

**P/O :**

**Project Name :**

**Project Location :**

**Lot ID: 2514656**

Date Received : Mar 06, 2025

Date Reported : Mar 13, 2025

Report Number : 3236350-1

Page 2 of 2

**Guideline :** Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.

**Sampling By :** Ekkachai Tuntong ทะเบียนเลขที่ ว-323-จ-0022 , Pattarapol Sawangjaitam ทะเบียนเลขที่ ว-204-จ-0002

Remark :

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked \* is/are not included in scope of Accreditation ISO/IEC 17025.
- Sampling is not included in scope of accreditation ISO/IEC 17025

Technical Management

Photchana S.

Photchana Seeda

Scientist (4)

ทะเบียนเลขที่ ว-323-จ-0028

Approved by

D. Changchon

Dej Changchon

Senior Manager

ทะเบียนเลขที่ ว-323-ค-0001

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## Analysis / Test Report

**Client :** Glow IPP Co., Ltd.  
42 Moo 8, CIE 8 Road, Bowin, Sriracha, Chonburi Thailand 20230

**P/O :**

**Project Name :**

**Project Location :**

**Lot ID: 2514656**

Date Received : Mar 06, 2025

Date Reported : Mar 13, 2025

Report Number : 3236350-3

Page 1 of 1

<b>Sample Number</b>	2514656-1
<b>Sampled Date</b>	Mar 06, 2025 9:40 AM
<b>Sample Description</b>	Wastewater
<b>Location</b>	Water Quality Checking Pond
<b>Date Analysis Commenced</b>	Mar 06, 2025
<b>Condition of Sample</b>	Contained in two glass vials, one amber glass bottle and five plastic bottles. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Water Testing</b>							
Flow rate	m3/s	-	-	No Report	No Standard	Flow meter	Rayong

**Guideline :** Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.

**Sampling By :** Ekkachai Tuntong , Pattarapol Sawangjaitam

Remark :

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

Approved by

Photchana S.

Photchana Seeda  
Scientist (4)

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

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TESTING  
No.0042

## Analysis / Test Report

**Client :** Glow IPP Co., Ltd.  
42 Moo 8, CIE 8 Road, Bowin, Sriracha, Chonburi Thailand 20230

**P/O :**  
**Project Name :**  
**Project Location :**

**Lot ID: 2526089**

Date Received : Apr 03, 2025  
Date Reported : Apr 10, 2025  
Report Number : 3262053-1

Page 1 of 2

<b>Sample Number</b>	2526089-1
<b>Sampled Date</b>	Apr 03, 2025 9:17 AM
<b>Sample Description</b>	Wastewater
<b>Location</b>	Water Quality Checking Pond
<b>Date Analysis Commenced</b>	Apr 03, 2025
<b>Condition of Sample</b>	Contained in one amber glass bottle and six plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Water Testing</b>							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	13.5	≤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	55	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5220 D	Rayong
Oil & Grease *	mg/L	-	1	2	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	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
Residual Free Chlorine *	mg/L	-	0.05	<0.05	≤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	≤1.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-S2 (C, F)	Rayong
Temperature *	Degree C	-	-	31.1	≤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	272	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong

Technical Management

Photchana S.

Photchana Seeda  
Scientist (4)

ทะเบียนเลขที่ ว-323-จ-0028

Approved by

D. Changchon.

Dej Changchon  
Senior Manager

ทะเบียนเลขที่ ว-323-ค-0001

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## Analysis / Test Report

TESTING  
No.0042

**Client :** Glow IPP Co., Ltd.  
42 Moo 8, CIE 8 Road, Bowin, Sriracha, Chonburi Thailand 20230

**P/O :**  
**Project Name :**  
**Project Location :**

**Lot ID: 2526089**

Date Received : Apr 03, 2025  
Date Reported : Apr 10, 2025  
Report Number : 3262053-1

Page 2 of 2

<b>Sample Number</b>	2526089-1
<b>Sampled Date</b>	Apr 03, 2025 9:17 AM
<b>Sample Description</b>	Wastewater
<b>Location</b>	Water Quality Checking Pond
<b>Date Analysis Commenced</b>	Apr 03, 2025
<b>Condition of Sample</b>	Contained in one amber glass bottle and six plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Water Testing</b>							
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	12	≤200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Rayong

**Guideline :** Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.

**Sampling By :** Nattawut Athomprommarat ทะเบียนเลขที่ ว-323-จ-0006 , Pattarapol Sawangjaitam ทะเบียนเลขที่ ว-204-จ-0002

Remark :

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked \* is/are not included in scope of Accreditation ISO/IEC 17025.
- Sampling is not included in scope of accreditation ISO/IEC 17025

Technical Management

Photchana S.

Photchana Seeda  
Scientist (4)

ทะเบียนเลขที่ ว-323-จ-0028

Approved by

D. Changchon.

Dej Changchon  
Senior Manager

ทะเบียนเลขที่ ว-323-ค-0001

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TESTING  
No.0009

## Analysis / Test Report

**Client :** Glow IPP Co., Ltd.  
42 Moo 8, CIE 8 Road, Bowin, Sriracha, Chonburi Thailand 20230

**P/O :**  
**Project Name :**  
**Project Location :**

**Lot ID: 2526089**

Date Received : Apr 03, 2025  
Date Reported : Apr 10, 2025  
Report Number : 3262053-2

Page 1 of 2

<b>Sample Number</b>	2526089-1
<b>Sampled Date</b>	Apr 03, 2025 9:17 AM
<b>Sample Description</b>	Wastewater
<b>Location</b>	Water Quality Checking Pond
<b>Date Analysis Commenced</b>	Apr 04, 2025
<b>Condition of Sample</b>	Contained in one amber glass bottle and six plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Metals Testing</b>							
Arsenic	mg/L	0.0003	0.0005	0.002	≤0.25	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok
Barium	mg/L	0.0003	0.0005	0.04	≤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
Chromium	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
Copper	mg/L	0.0003	0.0005	0.002	≤2.0	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	Not Detected	≤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	0.02	≤5.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok

Technical Management

*Savitree N.*

Savitree Noisangiam  
Manager

ทะเบียนเลขที่ ว-204-จ-0007

Approved by

*Kanokkorn Anek*

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. The report shall not be reproduced except in full without the written approval of the laboratory.

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## Analysis / Test Report

TESTING  
No.0009

**Client :** Glow IPP Co., Ltd.  
42 Moo 8, CIE 8 Road, Bowin, Sriracha, Chonburi Thailand 20230

**P/O :**  
**Project Name :**  
**Project Location :**

**Lot ID: 2526089**

Date Received : Apr 03, 2025  
Date Reported : Apr 10, 2025  
Report Number : 3262053-2

Page 2 of 2

<b>Sample Number</b>	2526089-1
<b>Sampled Date</b>	Apr 03, 2025 9:17 AM
<b>Sample Description</b>	Wastewater
<b>Location</b>	Water Quality Checking Pond
<b>Date Analysis Commenced</b>	Apr 04, 2025
<b>Condition of Sample</b>	Contained in one amber glass bottle and six plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Metals Testing</b>							
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	0.03	≤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
Zinc	mg/L	0.003	0.005	0.06	≤5.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok

**Guideline :** Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.

**Sampling By :** Nattawut Athomprommarat ทะเบียนเลขที่ ว-323-จ-0006 , Pattarapol Sawangjaitam ทะเบียนเลขที่ ว-204-จ-0002

Remark :

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked \* is/are not included in scope of Accreditation ISO/IEC 17025.
- Sampling is not included in scope of accreditation ISO/IEC 17025

Technical Management

*Savitree N.*

Savitree Noisangiam  
Manager

ทะเบียนเลขที่ ว-204-จ-0007

Approved by

*Kanok Korn Anek*

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. The report shall not be reproduced except in full without the written approval of the laboratory.



## Analysis / Test Report

**Client :** Glow IPP Co., Ltd.  
42 Moo 8, CIE 8 Road, Bowin, Sriracha, Chonburi Thailand 20230

**P/O :**  
**Project Name :**  
**Project Location :**

**Lot ID: 2526089**

Date Received : Apr 03, 2025  
Date Reported : Apr 10, 2025  
Report Number : 3262053-3

Page 1 of 1

<b>Sample Number</b>	2526089-1
<b>Sampled Date</b>	Apr 03, 2025 9:17 AM
<b>Sample Description</b>	Wastewater
<b>Location</b>	Water Quality Checking Pond
<b>Date Analysis Commenced</b>	Apr 03, 2025
<b>Condition of Sample</b>	Contained in one amber glass bottle and six plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Water Testing</b>							
Flow rate	m3/s	-	-	No Velocity	No Standard	Flow meter	Rayong

**Guideline :** Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.

**Sampling By :** Nattawut Athomprommarat , Pattarapol Sawangjaitam

Remark :

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

Approved by

Photchana S.

Photchana Seeda  
Scientist (4)

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## Analysis / Test Report

TESTING

No.0009

**Lot ID: 254704**

Date Received : May 22, 2025

Date Reported : May 29, 2025

Report Number : 3214156-2

**Client :** Glow IPP Co., Ltd.

42 Moo 8, CIE 8 Road, Bowin, Sriracha, Chonburi Thailand 20230

**P/O :**

**Project Name :**

**Project Location:**

Page 1 of 2

<b>Sample Number</b>	254704-1
<b>Sampled Date</b>	May 22, 2025 2:05 PM
<b>Sample Description</b>	Wastewater
<b>Location</b>	Treated Water Discharge
<b>Date Analysis Commenced</b>	May 23, 2025
<b>Condition of Sample</b>	Contained in two glass vials, one amber glass bottle and five plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Metals Testing</b>							
Arsenic	mg/L	0.0003	0.0005	0.01	≤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	0.16	≤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
Chromium	mg/L	0.0003	0.0005	0.003	No Standard	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	≤2.0	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	0.0006	≤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	0.48	≤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**

*Savitree N.*

Savitree Noisangiam  
Manager

ทะเบียนเลขที่ ว-204-จ-0007

**Approved by**

*Kanokkorn Anek*

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. The report shall not be reproduced except in full without the written approval of the laboratory.



## Analysis / Test Report

TESTING  
No.0009

**Client :** Glow IPP Co., Ltd.  
42 Moo 8, CIE 8 Road, Bowin, Sriracha, Chonburi Thailand 20230

**P/O :**  
**Project Name :**  
**Project Location :**

**Lot ID: 254704**

Date Received : May 22, 2025

Date Reported : May 29, 2025

Report Number : 3214156-2

Page 2 of 2

**Sample Number** 254704-1  
**Sampled Date** May 22, 2025 2:05 PM  
**Sample Description** Wastewater  
**Location** Treated Water Discharge  
**Date Analysis Commenced** May 23, 2025  
**Condition of Sample** Contained in two glass vials, one amber glass bottle and five plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Metals Testing</b>							
Nickel	mg/L	0.0003	0.0005	0.006	≤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	<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
Zinc	mg/L	0.003	0.005	0.03	≤5.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Bangkok

**Guideline :** Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.

**Sampling By :** Nattawut Athomprommarat ทะเบียนเลขที่ ว-323-จ-0006 , Pattarapol Sawangjaitam ทะเบียนเลขที่ ว-204-จ-0002

Remark :

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- Sampling is not included in scope of accreditation ISO/IEC 17025

Technical Management

*Savitree N.*

Savitree Noisangiam  
Manager

ทะเบียนเลขที่ ว-204-จ-0007

Approved by

*Kanokkorn Anek*

Kanokkorn Anek  
Assistant General Manager

ทะเบียนเลขที่ ว-204-ค-0004

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TESTING  
No.0042

## Analysis / Test Report

**Client :** Glow IPP Co., Ltd.  
42 Moo 8, CIE 8 Road, Bowin, Sriracha, Chonburi Thailand 20230

**P/O :**  
**Project Name :**  
**Project Location :**

**Lot ID: 2540318**

Date Received : May 08, 2025  
Date Reported : May 15, 2025  
Report Number : 3293613-1

Page 1 of 2

**Sample Number** 2540318-1  
**Sampled Date** May 08, 2025 9:40 AM  
**Sample Description** Wastewater  
**Location** Water Quality Checking Pond  
**Date Analysis Commenced** May 08, 2025  
**Condition of Sample** Contained in two glass vials, one amber glass bottle and five plastic bottles. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Water Testing</b>							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	8.2	≤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	48	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5220 D	Rayong
Oil & Grease *	mg/L	-	1	1	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	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
Residual Free Chlorine *	mg/L	-	0.05	<0.05	≤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	≤1.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-S2 (C, F)	Rayong
Temperature *	Degree C	-	-	30.2	≤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	328	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong

Technical Management

Photchana S.

Photchana Seeda  
Scientist (4)

ทะเบียนเลขที่ ว-323-จ-0028

Approved by

D. Changchon.

Dej Changchon  
Senior Manager

ทะเบียนเลขที่ ว-323-ค-0001

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TESTING  
No.0042

## Analysis / Test Report

**Client :** Glow IPP Co., Ltd.  
42 Moo 8, CIE 8 Road, Bowin, Sriracha, Chonburi Thailand 20230

**P/O :**  
**Project Name :**  
**Project Location :**

**Lot ID: 2540318**

Date Received : May 08, 2025  
Date Reported : May 15, 2025  
Report Number : 3293613-1

Page 2 of 2

**Sample Number** 2540318-1  
**Sampled Date** May 08, 2025 9:40 AM  
**Sample Description** Wastewater  
**Location** Water Quality Checking Pond  
**Date Analysis Commenced** May 08, 2025  
**Condition of Sample** Contained in two glass vials, one amber glass bottle and five plastic bottles. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Water Testing</b>							
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	9	≤200	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Rayong

**Guideline :** Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.

**Sampling By :** Nattawut Athomprommarat ทะเบียนเลขที่ ว-323-จ-0006 , Pattarapol Sawangjaitam ทะเบียนเลขที่ ว-204-จ-0002

Remark :

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
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- Sampling is not included in scope of accreditation ISO/IEC 17025

Technical Management

Photchana S.

Photchana Seeda  
Scientist (4)

ทะเบียนเลขที่ ว-323-จ-0028

Approved by

D. Changchon.

Dej Changchon  
Senior Manager

ทะเบียนเลขที่ ว-323-ค-0001

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## Analysis / Test Report

**Client :** Glow IPP Co., Ltd.  
42 Moo 8, CIE 8 Road, Bowin, Sriracha, Chonburi Thailand 20230

**P/O :**  
**Project Name :**  
**Project Location :**

**Lot ID: 2540318**

Date Received : May 08, 2025  
Date Reported : May 15, 2025  
Report Number : 3293613-3

Page 1 of 1

**Sample Number** 2540318-1  
**Sampled Date** May 08, 2025 9:40 AM  
**Sample Description** Wastewater  
**Location** Water Quality Checking Pond  
**Date Analysis Commenced** May 08, 2025  
**Condition of Sample** Contained in two glass vials, one amber glass bottle and five plastic bottles. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Water Testing</b>							
Flow rate	m3/s	-	-	No Report	No Standard	Flow meter	Rayong

**Guideline :** Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.

**Sampling By :** Nattawut Athomprommarat , Pattarapol Sawangjaitam

Remark :

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

Approved by

Photchana S.

Photchana Seeda  
Scientist (4)

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## Analysis / Test Report

TESTING

No.0042

**Lot ID: 2514652**

Date Received : Jun 05, 2025

Date Reported : Jun 12, 2025

Report Number : 3325606-1

**Client :** Glow IPP Co., Ltd.

42 Moo 8, CIE 8 Road, Bowin, Sriracha, Chonburi Thailand 20230

**P/O :** 3100021227

**Project Name :**

**Project Location :**

Page 1 of 2

<b>Sample Number</b>	2514652-1
<b>Sampled Date</b>	Jun 05, 2025 5:16 PM
<b>Sample Description</b>	Wastewater
<b>Location</b>	Treated water discharge
<b>Date Analysis Commenced</b>	Jun 05, 2025
<b>Condition of Sample</b>	Contained in one amber glass bottle, two glass vials and five plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Water Testing</b>							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	3.3	≤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	49	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5220 D	Rayong
Oil & Grease *	mg/L	-	1	<1	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH at 25 degree C		-	-	6.6	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong
Residual Free Chlorine *	mg/L	-	0.05	<0.05	≤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	≤1.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-S2 (C, F)	Rayong
Temperature *	Degree C	-	-	36.4	≤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	1200	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	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

Technical Management

**Photchana S.**

Photchana Seeda

Scientist (4)

ทะเบียนเลขที่ ว-323-จ-0028

Approved by

**D. Changchon.**

Dej Changchon

Senior Manager

ทะเบียนเลขที่ ว-323-ค-0001

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## Analysis / Test Report

**Client** : Glow IPP Co., Ltd.  
42 Moo 8, CIE 8 Road, Bowin, Sriracha, Chonburi Thailand 20230  
**P/O** : 3100021227  
**Project Name** :  
**Project Location** :

**TESTING**  
**No.0042**  
**Lot ID: 2514652**  
Date Received : Jun 05, 2025  
Date Reported : Jun 12, 2025  
Report Number : 3325606-1

Page 2 of 2

**Guideline** : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.

**Sampling By** : Nattawut Athomprommarat ทะเบียนเลขที่ ว-323-จ-0006 , Pattarapol Sawangjaitam ทะเบียนเลขที่ ว-204-จ-0002

**Remark** :

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked \* is/are not included in scope of Accreditation ISO/IEC 17025.
- Sampling is not included in scope of accreditation ISO/IEC 17025

Technical Management

Photchana S.

Photchana Seeda  
Scientist (4)

ทะเบียนเลขที่ ว-323-จ-0028

Approved by

D. Changchon.

Dej Changchon  
Senior Manager

ทะเบียนเลขที่ ว-323-ค-0001

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## Analysis / Test Report

**Client** : Glow IPP Co., Ltd.  
42 Moo 8, CIE 8 Road, Bowin, Sriracha, Chonburi Thailand 20230

**P/O** : 3100021227

**Project Name** :

**Project Location** :

**Lot ID: 2514652**

Date Received : Jun 05, 2025

Date Reported : Jun 12, 2025

Report Number : 3325606-3

Page 1 of 1

<b>Sample Number</b>	2514652-1						
<b>Sampled Date</b>	Jun 05, 2025 5:16 PM						
<b>Sample Description</b>	Wastewater						
<b>Location</b>	Treated water discharge						
<b>Date Analysis Commenced</b>	Jun 05, 2025						
<b>Condition of Sample</b>	Contained in one amber glass bottle, two glass vials and five plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Water Testing</b>							
Chloride as Cl	mg/L	0.5	1	177	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-Cl (D)	Rayong
Flow rate	m3/s	-	-	0.023	No Standard	Flow meter, Analyzed by Client	Rayong
Sulfate	mg/L	0.6	2	619	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-SO4 (E)	Rayong

**Guideline** : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.

**Sampling By** : Nattawut Athomprommarat , Pattarapol Sawangjaitam

Remark :

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

Approved by

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Photchana Seeda  
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## Analysis / Test Report

TESTING

No.0042

**Lot ID: 2545288**

Date Received : Jun 05, 2025

Date Reported : Jun 12, 2025

Report Number : 3305281-1

**Client :** Glow IPP Co., Ltd.

42 Moo 8, CIE 8 Road, Bowin, Sriracha, Chonburi Thailand 20230

**P/O :** 3100021227

**Project Name :**

**Project Location :**

Page 1 of 2

<b>Sample Number</b>	2545288-1
<b>Sampled Date</b>	Jun 05, 2025 5:10 PM
<b>Sample Description</b>	Wastewater
<b>Location</b>	Water Quality Checking Pond
<b>Date Analysis Commenced</b>	Jun 05, 2025
<b>Condition of Sample</b>	Contained in one amber glass bottle, two glass vials and four plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Water Testing</b>							
BOD (5 days at 20 Degree C)	mg/L	-	2.0	26.4	≤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	59	≤750	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5220 D	Rayong
Oil & Grease *	mg/L	-	1	<1	≤10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	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
Residual Free Chlorine *	mg/L	-	0.05	<0.05	≤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	≤1.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-S2 (C, F)	Rayong
Temperature *	Degree C	-	-	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	316	≤3000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	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, 24th ed., 2023, part 2540 D	Rayong

Technical Management

**Photchana S.**

Photchana Seeda

Scientist (4)

ทะเบียนเลขที่ ว-323-จ-0028

Approved by

**D. Changchon.**

Dej Changchon

Senior Manager

ทะเบียนเลขที่ ว-323-ค-0001

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## Analysis / Test Report

**Client** : Glow IPP Co., Ltd.  
42 Moo 8, CIE 8 Road, Bowin, Sriracha, Chonburi Thailand 20230  
**P/O** : 3100021227  
**Project Name** :  
**Project Location** :

**TESTING**  
**No.0042**  
**Lot ID: 2545288**  
Date Received : Jun 05, 2025  
Date Reported : Jun 12, 2025  
Report Number : 3305281-1

Page 2 of 2

**Guideline** : Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.

**Sampling By** : Nattawut Athomprommarat ทะเบียนเลขที่ ว-323-จ-0006 , Pattarapol Sawangjaitam ทะเบียนเลขที่ ว-204-จ-0002

**Remark** :

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
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- Sampling is not included in scope of accreditation ISO/IEC 17025

Technical Management

Photchana S.

Photchana Seeda  
Scientist (4)

ทะเบียนเลขที่ ว-323-จ-0028

Approved by

D. Changchon.

Dej Changchon  
Senior Manager

ทะเบียนเลขที่ ว-323-ค-0001

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## Analysis / Test Report

**Client :** Glow IPP Co., Ltd.  
42 Moo 8, CIE 8 Road, Bowin, Sriracha, Chonburi Thailand 20230

**P/O :** 3100021227

**Project Name :**

**Project Location :**

**Lot ID: 2545288**

Date Received : Jun 05, 2025

Date Reported : Jun 12, 2025

Report Number : 3305281-3

Page 1 of 1

<b>Sample Number</b>	2545288-1						
<b>Sampled Date</b>	Jun 05, 2025 5:10 PM						
<b>Sample Description</b>	Wastewater						
<b>Location</b>	Water Quality Checking Pond						
<b>Date Analysis Commenced</b>	Jun 05, 2025						
<b>Condition of Sample</b>	Contained in one amber glass bottle, two glass vials and four plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Water Testing</b>							
Flow rate	m3/s	-	-	No Report	No Standard	Flow meter	Rayong

**Guideline :** Notification of the Industrial Estate Authority of Thailand No.029/2567 : General Standards for Wastewater drainage into central wastewater treatment systems in Industrial Estates.

**Sampling By :** Nattawut Athomprommarat , Pattarapol Sawangjaitam

Remark :

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

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# ภาคผนวก ค-5

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ผลการตรวจวิเคราะห์คุณภาพน้ำผิวดิน



TESTING  
No.0042

## Analysis / Test Report

**Client :** Glow IPP Co., Ltd.  
42 Moo 8, CIE 8 Road, Bowin, Sriracha, Chonburi Thailand 20230

**P/O :**

**Project Name :**

**Project Location :**

**Lot ID: 2514646**

Date Received : Mar 06, 2025

Date Reported : Mar 12, 2025

Report Number : 3236309-1

Page 1 of 6

<b>Sample Number</b>	2514646-1
<b>Sampled Date</b>	Mar 06, 2025 10:00 AM
<b>Sample Description</b>	Surface Water
<b>Location</b>	เหนือจุดระบายน้ำทิ้งลงสู่ห้วยมะนาว (SW1)
<b>Date Analysis Commenced</b>	Mar 06, 2025
<b>Condition of Sample</b>	Contained in one amber glass bottle and two plastic bottles. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Water Testing</b>							
Flow rate *	m3/s	-	-	No Velocity	No Standard	Flow meter	Rayong
Oil & Grease	mg/L	-	3	<3	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH at 25 degree C		-	-	8.2	5.0-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong
Residual Chlorine *	mg/L	-	0.01	0.74	No Standard	ISE Application	Bangkok
Sulfate *	mg/L	0.6	2	28.2	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-SO4 (E)	Rayong
Temperature *	Degree C	-	-	29.9	n'	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	332	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	11	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Rayong

**Guideline :** Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 3)

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

n : Not Change from natural condition

**Sampling By :** Ekkachai Tuntong

Remark :

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

Approved by

Photchana S.

Photchana Seeda  
Scientist (4)

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## Analysis / Test Report

TESTING  
No.0042

**Client :** Glow IPP Co., Ltd.  
42 Moo 8, CIE 8 Road, Bowin, Sriracha, Chonburi Thailand 20230

**P/O :**

**Project Name :**

**Project Location :**

**Lot ID: 2514646**

Date Received : Mar 06, 2025

Date Reported : Mar 12, 2025

Report Number : 3236309-1

Page 2 of 6

- Analyte(s) marked \* is/are not included in scope of Accreditation ISO/IEC 17025.
- Sampling is not included in scope of accreditation ISO/IEC 17025

Approved by

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TESTING  
No.0042

## Analysis / Test Report

**Client :** Glow IPP Co., Ltd.  
42 Moo 8, CIE 8 Road, Bowin, Sriracha, Chonburi Thailand 20230

**P/O :**

**Project Name :**

**Project Location :**

**Lot ID: 2514646**

Date Received : Mar 06, 2025

Date Reported : Mar 12, 2025

Report Number : 3236309-1

Page 3 of 6

<b>Sample Number</b>	2514646-2
<b>Sampled Date</b>	Mar 06, 2025 10:20 AM
<b>Sample Description</b>	Surface Water
<b>Location</b>	ใกล้จุดระบายน้ำทิ้งลงสู่ห้วยมะนาว (SW2)
<b>Date Analysis Commenced</b>	Mar 06, 2025
<b>Condition of Sample</b>	Contained in one amber glass bottle and two plastic bottles. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Water Testing</b>							
Flow rate *	m3/s	-	-	No Velocity	No Standard	Flow meter	Rayong
Oil & Grease	mg/L	-	3	<3	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH at 25 degree C		-	-	8.3	5.0-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong
Residual Chlorine *	mg/L	-	0.01	1.16	No Standard	ISE Application	Bangkok
Sulfate *	mg/L	0.6	2	27.3	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-SO4 (E)	Rayong
Temperature *	Degree C	-	-	30.1	n'	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	308	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	12	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Rayong

**Guideline :** Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 3)

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

n : Not Change from natural condition

**Sampling By :** Ekkachai Tuntong

Remark :

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

Approved by

Photchana S.

Photchana Seeda  
Scientist (4)

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## Analysis / Test Report

TESTING  
No.0042

**Client :** Glow IPP Co., Ltd.  
42 Moo 8, CIE 8 Road, Bowin, Sriracha, Chonburi Thailand 20230

**P/O :**

**Project Name :**

**Project Location :**

**Lot ID: 2514646**

Date Received : Mar 06, 2025

Date Reported : Mar 12, 2025

Report Number : 3236309-1

Page 4 of 6

- Analyte(s) marked \* is/are not included in scope of Accreditation ISO/IEC 17025.
- Sampling is not included in scope of accreditation ISO/IEC 17025

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TESTING  
No.0042

## Analysis / Test Report

**Client :** Glow IPP Co., Ltd.  
42 Moo 8, CIE 8 Road, Bowin, Sriracha, Chonburi Thailand 20230

**P/O :**

**Project Name :**

**Project Location :**

**Lot ID: 2514646**

Date Received : Mar 06, 2025

Date Reported : Mar 12, 2025

Report Number : 3236309-1

Page 5 of 6

<b>Sample Number</b>	2514646-3
<b>Sampled Date</b>	Mar 06, 2025 10:40 AM
<b>Sample Description</b>	Surface Water
<b>Location</b>	ใต้จุดระบายน้ำทิ้งลงสู่ห้วยมะนาว (SW3)
<b>Date Analysis Commenced</b>	Mar 06, 2025
<b>Condition of Sample</b>	Contained in one amber glass bottle and two plastic bottles. Sample containers comply to pretreatment - preservation standards. (APHA / USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Water Testing</b>							
Flow rate *	m3/s	-	-	No Velocity	No Standard	Flow meter	Rayong
Oil & Grease	mg/L	-	3	<3	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Rayong
pH at 25 degree C		-	-	8.3	5.0-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Rayong
Residual Chlorine *	mg/L	-	0.01	1.08	No Standard	ISE Application	Bangkok
Sulfate *	mg/L	0.6	2	27.8	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-SO4 (E)	Rayong
Temperature *	Degree C	-	-	29.7	n <sup>1</sup>	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	280	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Rayong
Total Suspended Solids Dried at 103-105 degree C	mg/L	-	5	21	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Rayong

**Guideline :** Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 3)

n<sup>1</sup>: Change from Natural condition not more than 3 degree C

n : Not Change from natural condition

**Sampling By :** Ekkachai Tuntong

Remark :

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

Approved by

Photchana S.

Photchana Seeda  
Scientist (4)

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

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TESTING  
No.0042

## Analysis / Test Report

**Client :** Glow IPP Co., Ltd.

42 Moo 8, CIE 8 Road, Bowin, Sriracha, Chonburi Thailand 20230

**P/O :**

**Project Name :**

**Project Location :**

**Lot ID: 2514646**

Date Received : Mar 06, 2025

Date Reported : Mar 12, 2025

Report Number : 3236309-1

Page 6 of 6

- Analyte(s) marked \* is/are not included in scope of Accreditation ISO/IEC 17025.
- Sampling is not included in scope of accreditation ISO/IEC 17025

Approved by

Photchana S.

Photchana Seeda  
Scientist (4)

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

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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## ภาคผนวก ค-6

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ผลการตรวจวิเคราะห์ชีววิทยาทางน้ำ



สถานีวิจัยประมงศรีราชา  
101/12 หมู่ 9 ต. บางพระ  
อ. ศรีราชา จ. ชลบุรี 20110  
โทร./โทรสาร. (038) 311379

Client : Glow IPP Co., Ltd.

Address : 42 Moo 8 CIE 8 Road, Bowin, Sriracha, Chonburi, Thailand, 20230

Project Location : Glow IPP

รายงานผลการวิเคราะห์สัตว์หน้าดิน

ตาราง ผลการวิเคราะห์สัตว์หน้าดิน (เก็บตัวอย่างวันที่ 6 มีนาคม 2568)

สกุลสัตว์หน้าดิน	ปริมาณสัตว์หน้าดิน (ตัว/ตารางเมตร)		
	2514643-1	2514643-2	2514643-3
Phylum Arthropoda			
Class Insecta			
Order Diptera			
Family Chironomidae			
<i>Chironomus</i> sp. (หนอนแดง)	1,882	30	104
รวมจำนวนสกุลที่พบทั้งหมด	1	1	1
รวมปริมาณที่พบทั้งหมด	1,882	30	104
ค่าดัชนีความหลากหลาย	0.0000	0.0000	0.0000

Sample Location : 1. สถานี 2514643-1 : เหนือจุดระบายน้ำทิ้งลงสู่ห้วยมะนาว (SW1)  
2. สถานี 2514643-2 : ใกล้จุดระบายน้ำทิ้งลงสู่ห้วยมะนาว (SW2)  
3. สถานี 2514643-3 : ใต้จุดระบายน้ำทิ้งลงสู่ห้วยมะนาว (SW3)

**Condition of Sample :** contained in one plastic zip bag

อรรถวุฒิ กันทะวงศ์

(นายอรรถวุฒิ กันทะวงศ์)

ผู้วิเคราะห์

ณ. ณ.

(นายอลงกต อินทชาติ)

หัวหน้าสถานีวิจัยประมงศรีราชา



สถานีวิจัยประมงศรีราชา  
101/12 หมู่ 9 ต. บางพระ  
อ. ศรีราชา จ. ชลบุรี 20110  
โทร./โทรสาร. (038) 311379

Client : Glow IPP Co., Ltd.

Address : 42 Moo 8 CIE 8 Road, Bowin, Sriracha, Chonburi, Thailand, 20230

Project Location : Glow IPP

รายงานผลการวิเคราะห์แพลงก์ตอนพืช

ตาราง ผลการวิเคราะห์แพลงก์ตอนพืช (เก็บตัวอย่างวันที่ 6 มีนาคม 2568)

ชนิดแพลงก์ตอนพืช	ปริมาณแพลงก์ตอนพืช (หน่วยต่อลูกบาศก์เมตร)		
	2514649-1	2514649-2	2514649-3
<b>Division Cyanophyta</b>			
<b>Class Cyanophyceae</b>			
<b>Order Nostocales</b>			
<b>Family Oscillatoriaceae</b>			
1. <i>Oscillatoria limnetica</i>	-	142,000	-
2. <i>Oscillatoria</i> sp.	-	39,000	47,000
3. <i>Oscillatoria tenuis</i>	12,000	26,000	24,000
<b>Division Chlorophyta</b>			
<b>Class Chlorophyceae</b>			
<b>Order Volvocales</b>			
<b>Family Volvocaceae</b>			
4. <i>Pandorina morum</i>	12,000	-	-
<b>Order Zygomatales</b>			
<b>Family Desmidiaceae</b>			
5. <i>Closterium acerosum</i>	-	-	12,000

**ตาราง ผลการวิเคราะห์แพลงก์ตอนพืช (เก็บตัวอย่างวันที่ 6 มีนาคม 2568)**

(ต่อ)

ชนิดแพลงก์ตอนพืช	ปริมาณแพลงก์ตอนพืช (หน่วยต่อลูกบาศก์เมตร)		
	2514649-1	2514649-2	2514649-3
6. <i>Closterium gracile</i>	-	-	12,000
7. <i>Closterium</i> sp.	-	13,000	-
<b>Class Euglenophyceae</b>			
<b>Order Euglenales</b>			
<b>Family Euglenaceae</b>			
8. <i>Euglena acus</i>	-	-	12,000
9. <i>Euglena gracilis</i>	-	13,000	12,000
10. <i>Euglena</i> sp.	-	13,000	-
11. <i>Euglena viridis</i>	-	13,000	-
12. <i>Phacus angulatus</i>	-	13,000	-
13. <i>Phacus anumalus</i>	12,000	26,000	47,000
14. <i>Phacus platalea</i>	-	13,000	-
15. <i>Phacus</i> sp.	-	26,000	-
16. <i>Trachelomonas daugerdiana</i>	-	-	12,000
17. <i>Trachelomonas hispida</i>	12,000	65,000	35,000
18. <i>Trachelomonas lacustris</i>	12,000	26,000	-
19. <i>Trachelomonas</i> sp.	-	-	12,000
20. <i>Trachelomonas superba</i>	-	26,000	-
<b>Division Chromophyta</b>			
<b>Class Bacillariophyceae</b>			
<b>Order Biddulphiales</b>			
<b>Suborder Coscinodiscineae</b>			
<b>Family Thalassiosiraceae</b>			
21. <i>Cyclotella stelligera</i>	-	26,000	-
<b>Family Aulacoseiraceae</b>			
22. <i>Aulacoseira granulata</i>	12,000	-	-

**ตาราง ผลการวิเคราะห์แพลงก์ตอนพืช (เก็บตัวอย่างวันที่ 6 มีนาคม 2568)**

(ต่อ)

ชนิดแพลงก์ตอนพืช	ปริมาณแพลงก์ตอนพืช (หน่วยต่อลูกบาศก์เมตร)		
	2514649-1	2514649-2	2514649-3
<b>Order Bacillariales</b>			
<b>Suborder Fragilariineae</b>			
<b>Family Fragilariaceae</b>			
23. <i>Synedra acus</i>	-	39,000	12,000
24. <i>Synedra ulna</i>	-	13,000	12,000
<b>Family Tabellariaceae</b>			
25. <i>Tabellaria fenestrata</i>	-	91,000	-
<b>Suborder Bacillariineae</b>			
<b>Family Cymbellaceae</b>			
26. <i>Gomphonema parvulum</i>	231,000	1,166,000	248,000
<b>Family Naviculaceae</b>			
27. <i>Amphora</i> sp.	-	26,000	-
28. <i>Gyrosigma attenuatum</i>	-	-	47,000
29. <i>Navicula cuspidata</i>	-	181,000	153,000
30. <i>Navicula</i> sp.	12,000	-	24,000
31. <i>Pinnularia gibba</i>	12,000	168,000	35,000
32. <i>Pinnularia subanglica</i>	-	65,000	12,000
33. <i>Pinnularia viridis</i>	-	-	12,000
<b>Family Bacillariaceae</b>			
34. <i>Nitzschia lorenziana</i>	-	-	35,000
35. <i>Nitzschia navis-varingica</i>	-	65,000	47,000
36. <i>Nitzschia palea</i>	-	1,049,000	59,000
37. <i>Nitzschia recta</i>	-	13,000	-
38. <i>Nitzschia</i> sp.	-	-	12,000
39. <i>Tryblionella</i> sp.	-	13,000	-
<b>Family Rhopalodiaceae</b>			
40. <i>Epithemia argus</i>	-	-	12,000



**ตาราง ผลการวิเคราะห์แพลงก์ตอนพืช (เก็บตัวอย่างวันที่ 6 มีนาคม 2568)**

(ต่อ)

ชนิดแพลงก์ตอนพืช	ปริมาณแพลงก์ตอนพืช (หน่วยต่อลูกบาศก์เมตร)		
	2514649-1	2514649-2	2514649-3
<b>Class Dinophyceae</b>			
<b>Order Peridinales</b>			
<b>Family Peridiniaceae</b>			
41. <i>Peridinium</i> sp.	-	13,000	-
<b>ชนิดแพลงก์ตอนพืช</b>	<b>9</b>	<b>28</b>	<b>24</b>
<b>ปริมาณแพลงก์ตอนพืช</b>	<b>327,000</b>	<b>3,382,000</b>	<b>945,000</b>
<b>ดัชนีความหลากหลายแพลงก์ตอนพืช</b>	<b>1.2158</b>	<b>2.0730</b>	<b>2.6342</b>
<b>ดัชนีความสม่ำเสมอแพลงก์ตอนพืช</b>	<b>0.5533</b>	<b>0.6221</b>	<b>0.8289</b>

**Sample Location :**

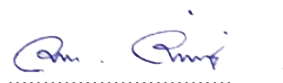
1. สถานี 2514649-1 : เหนือจุดระบายน้ำทิ้งลงสู่ห้วยมะนาว (SW1)
2. สถานี 2514649-2 : ใกล้จุดระบายน้ำทิ้งลงสู่ห้วยมะนาว (SW2)
3. สถานี 2514649-3 : ใต้จุดระบายน้ำทิ้งลงสู่ห้วยมะนาว (SW3)

**Condition of Sample :** contained in one plastic bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)



(นางสาวกนกวรรณ ขาวค้อน)

ผู้วิเคราะห์



(นายอลงกต อินทรชาติ)

หัวหน้าสถานีวิจัยประมงศรีราชา



สถานีวิจัยประมงศรีราชา

101/12 หมู่ 9 ต. บางพระ

อ. ศรีราชา จ. ชลบุรี 20110

โทร./โทรสาร. (038) 311379

Client : Glow IPP Co., Ltd.

Address : 42 Moo 8 CIE 8 Road, Bowin, Sriracha, Chonburi, Thailand, 20230

Project Location : Glow IPP

รายงานผลการวิเคราะห์แพลงก์ตอนสัตว์

ตาราง ผลการวิเคราะห์แพลงก์ตอนสัตว์ (เก็บตัวอย่างวันที่ 6 มีนาคม 2568)

ชนิดแพลงก์ตอนสัตว์	ปริมาณแพลงก์ตอนสัตว์ (หน่วยต่อลูกบาศก์เมตร)		
	2514649-1	2514649-2	2514649-3
<b>Phylum Protozoa</b>			
<b>Subphylum Plasmodroma</b>			
<b>Class Sarcodina</b>			
<b>Subclass Rhizopoda</b>			
<b>Order Testacida</b>			
<b>Family Arcellidae</b>			
1. <i>Arcella vulgaris</i>	12,000	26,000	12,000
<b>Subphylum Ciliophora</b>			
<b>Class Ciliata</b>			
<b>Subclass Holotricha</b>			
<b>Order Gymnostomatida</b>			
2. <i>Coleps</i> sp.	12,000	-	-
<b>Order Hymenostomatida</b>			
3. <i>Paramecium</i> sp.	-	117,000	12,000

**ตาราง ผลการวิเคราะห์เพลงก่ตอนสัตว์ (เก็บตัวอย่างวันที่ 6 มีนาคม 2568)**

(ต่อ)

ชนิดเพลงก่ตอนสัตว์	ปริมาณเพลงก่ตอนสัตว์ (หน่วยต่อลูกบาศก์เมตร)		
	2514649-1	2514649-2	2514649-3
ชนิดเพลงก่ตอนสัตว์	2	2	2
ปริมาณเพลงก่ตอนสัตว์	24,000	143,000	24,000
ดัชนีความหลากหลายเพลงก่ตอนสัตว์	0.6931	0.4741	0.6931
ดัชนีความสม่ำเสมอเพลงก่ตอนสัตว์	0.9999	0.6840	0.9999

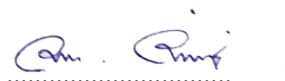
**Sample Location :**

1. สถานี 2514649-1 : เหนือจุดระบายน้ำทิ้งลงสู่ห้วยมะนาว (SW1)
2. สถานี 2514649-2 : ใกล้จุดระบายน้ำทิ้งลงสู่ห้วยมะนาว (SW2)
3. สถานี 2514649-3 : ใต้จุดระบายน้ำทิ้งลงสู่ห้วยมะนาว (SW3)

**Condition of Sample :** contained in one plastic bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)



(นางสาวกนกวรรณ ขาวดอน)  
ผู้วิเคราะห์



(นายอลงกต อินทรชาติ)  
หัวหน้าสถานีวิจัยประมงศรีราชา

## ภาคผนวก ค-7

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ผลการตรวจวัดระดับเสียงในสถานประกอบการ



## Analysis / Test Report

**Client :** Glow IPP Co., Ltd.  
42 Moo 8, CIE 8 Road, Bowin, Sriracha, Chonburi Thailand 20230

**P/O :**

**Project Name :**

**Project Location :**

**Lot ID: 2514642**

Date Received : Mar 04, 2025

Date Reported : Mar 10, 2025

Report Number: 3253694-1

Page 1 of 1

**Sample Number** 2514642-1  
**Parameter** Noise (Leq 8 hrs.)  
**Location** Working Area  
**Measurement Date** Mar 04, 2025  
**Measurement by** Anurak Tongkhajonsakda

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:48 AM - 11:48 AM	74.9	82.7	72.2
11:48 AM - 12:48 PM	70.7	74.9	70.3
12:48 PM - 01:48 PM	72.2	79.5	69.3
01:48 PM - 02:48 PM	75.8	93.2	76.0
02:48 PM - 03:48 PM	71.6	88.9	70.0
03:48 PM - 04:48 PM	71.1	90.5	69.6
04:48 PM - 05:48 PM	69.1	70.8	69.0
05:48 PM - 06:48 PM	70.8	74.7	70.6

Leq Average 8 hrs. (dB(A))

72.6

Lmax (dB(A))

93.2

Standard (dB(A))

90

140

Reference Method : ISO1996-1 and 1996-2

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย  
ในการประกอบกิจการโรงงานเกี่ยวกับสภาวะแวดล้อมในการทำงาน พ.ศ. ๒๕๔๖

**Technical Management**

*Chontichak*

Chonticha Subongkoch  
Scientist (3)

**Approved by**

*Supot S*

Supot Salamteh  
Section Head

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## Analysis / Test Report

**Client :** Glow IPP Co., Ltd.  
42 Moo 8, CIE 8 Road, Bowin, Sriracha, Chonburi Thailand 20230

**P/O :**

**Project Name :**

**Project Location :**

**Lot ID: 2514642**

Date Received : Mar 04, 2025

Date Reported : Mar 10, 2025

Report Number: 3253695-1

Page 1 of 1

**Sample Number** 2514642-2  
**Parameter** Noise (Leq 8 hrs.)  
**Location** Control room  
**Measurement Date** Mar 04, 2025  
**Measurement by** Anurak Tongkhajonsakda

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:29 AM - 11:29 AM	61.2	85.0	58.2
11:29 AM - 12:29 PM	59.6	79.5	58.1
12:29 PM - 01:29 PM	59.6	70.7	58.0
01:29 PM - 02:29 PM	59.2	72.9	57.8
02:29 PM - 03:29 PM	59.0	68.6	57.7
03:29 PM - 04:29 PM	58.3	65.6	57.3
04:29 PM - 05:29 PM	58.6	68.8	57.3
05:29 PM - 06:29 PM	57.6	67.3	57.2

Leq Average 8 hrs. (dB(A))

59.3

Lmax (dB(A))

85.0

Standard (dB(A))

90

140

Reference Method : ISO1996-1 and 1996-2

Standard : ประกาศกระทรวงอุตสาหกรรม เรื่อง มาตรการคุ้มครองความปลอดภัย  
ในการประกอบกิจการโรงงานเกี่ยวกับสภาวะแวดล้อมในการทำงาน พ.ศ. ๒๕๔๖

**Technical Management**

Chontichak

Chonticha Subongkoch  
Scientist (3)

**Approved by**

Supot S

Supot Salamteh  
Section Head

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## Analysis / Test Report

**Client :** Glow IPP Co., Ltd.  
42 Moo 8, CIE 8 Road, Bowin, Sriracha, Chonburi Thailand 20230

**P/O :**

**Project Name :**

**Project Location :**

**Lot ID: 2514642**

Date Received : Mar 04, 2025

Date Reported : Mar 10, 2025

Report Number: 3253696-1

Page 1 of 1

**Sample Number** 2514642-3  
**Parameter** Noise (Leq 8 hrs.)  
**Location** Compressor area  
**Measurement Date** Mar 04, 2025  
**Measurement by** Anurak Tongkhajonsakda

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:37 AM - 11:37 AM	63.5	76.9	62.7
11:37 AM - 12:37 PM	62.6	65.6	62.0
12:37 PM - 01:37 PM	62.6	72.5	62.0
01:37 PM - 02:37 PM	76.5	91.9	62.4
02:37 PM - 03:37 PM	63.3	70.1	62.4
03:37 PM - 04:37 PM	62.8	67.1	62.3
04:37 PM - 05:37 PM	62.7	64.5	62.3
05:37 PM - 06:37 PM	65.9	72.5	62.6

Leq Average 8 hrs. (dB(A))

68.8

Lmax (dB(A))

91.9

Standard (dB(A))

90

140

Reference Method : ISO1996-1 and 1996-2

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42 Moo 8, CIE 8 Road, Bowin, Sriracha, Chonburi Thailand 20230

**P/O :**

**Project Name :**

**Project Location :**

**Lot ID: 2514642**

Date Received : Mar 04, 2025

Date Reported : Mar 10, 2025

Report Number: 3253697-1

Page 1 of 1

**Sample Number** 2514642-4  
**Parameter** Noise (Leq 8 hrs.)  
**Location** Generator area  
**Measurement Date** Mar 04, 2025  
**Measurement by** Anurak Tongkhajonsakda

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:45 AM - 11:45 AM	71.0	91.1	70.9
11:45 AM - 12:45 PM	70.9	71.7	70.9
12:45 PM - 01:45 PM	71.0	78.3	70.8
01:45 PM - 02:45 PM	71.5	75.6	71.2
02:45 PM - 03:45 PM	70.8	78.6	70.8
03:45 PM - 04:45 PM	72.0	72.8	72.0
04:45 PM - 05:45 PM	72.0	72.7	72.0
05:45 PM - 06:45 PM	76.9	82.9	72.4

Leq Average 8 hrs. (dB(A))

72.6

Lmax (dB(A))

91.1

Standard (dB(A))

90

140

Reference Method : ISO1996-1 and 1996-2

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**P/O :**

**Project Name :**

**Project Location :**

**Lot ID: 2514642**

Date Received : Mar 04, 2025

Date Reported : Mar 10, 2025

Report Number: 3253698-1

Page 1 of 1

**Sample Number** 2514642-5  
**Parameter** Noise (Leq 8 hrs.)  
**Location** Pump area  
**Measurement Date** Mar 04, 2025  
**Measurement by** Anurak Tongkhajonsakda

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
10:30 AM - 11:30 AM	70.6	75.0	70.1
11:30 AM - 12:30 PM	70.5	71.4	70.0
12:30 PM - 01:30 PM	70.5	75.7	69.9
01:30 PM - 02:30 PM	83.2	96.3	70.5
02:30 PM - 03:30 PM	70.6	71.5	70.0
03:30 PM - 04:30 PM	70.0	71.6	68.9
04:30 PM - 05:30 PM	69.1	70.3	68.5
05:30 PM - 06:30 PM	69.7	73.6	68.6

Leq Average 8 hrs. (dB(A))

75.5

Lmax (dB(A))

96.3

Standard (dB(A))

90

140

Reference Method : ISO1996-1 and 1996-2

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**P/O :** 3100021227

**Project Name :**

**Project Location :**

**Lot ID: 2545278**

Date Received : Jun 12, 2025

Date Reported : Jun 17, 2025

Report Number: 3336400-1

Page 1 of 1

**Sample Number** 2545278-1  
**Parameter** Noise (Leq 8 hrs.)  
**Location** Working Area  
**Measurement Date** Jun 11, 2025  
**Measurement by** Amnat Wongsakhen

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
09:14 AM - 10:14 AM	73.2	77.6	70.3
10:14 AM - 11:14 AM	71.3	74.0	70.3
11:14 AM - 12:14 PM	71.5	78.6	70.3
12:14 PM - 01:14 PM	72.0	85.3	69.7
01:14 PM - 02:14 PM	76.1	89.9	70.1
02:14 PM - 03:14 PM	71.1	77.5	69.5
03:14 PM - 04:14 PM	76.9	78.5	76.6
04:14 PM - 05:14 PM	77.2	79.0	76.8

Leq Average 8 hrs. (dB(A))

74.4

Lmax (dB(A))

89.9

Standard (dB(A))

90

140

Reference Method : ISO1996-1 and 1996-2

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**P/O :** 3100021227  
**Project Name :**  
**Project Location :**

**Lot ID: 2545278**

Date Received : Jun 12, 2025

Date Reported : Jun 17, 2025

Report Number: 3336401-1

Page 1 of 1

**Sample Number** 2545278-2  
**Parameter** Noise (Leq 8 hrs.)  
**Location** Control room  
**Measurement Date** Jun 11, 2025  
**Measurement by** Amnat Wongsakhen

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
09:06 AM - 10:06 AM	60.1	72.4	58.7
10:06 AM - 11:06 AM	58.3	65.0	57.5
11:06 AM - 12:06 PM	59.4	66.8	58.2
12:06 PM - 01:06 PM	58.1	65.1	57.4
01:06 PM - 02:06 PM	58.2	71.9	57.4
02:06 PM - 03:06 PM	58.7	69.9	57.4
03:06 PM - 04:06 PM	58.2	69.8	57.3
04:06 PM - 05:06 PM	58.9	69.0	57.6

Leq Average 8 hrs. (dB(A))

58.8

Lmax (dB(A))

72.4

Standard (dB(A))

90

140

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**P/O :** 3100021227  
**Project Name :**  
**Project Location :**

**Lot ID: 2545278**

Date Received : Jun 12, 2025

Date Reported : Jun 17, 2025

Report Number: 3336402-1

Page 1 of 1

**Sample Number** 2545278-3  
**Parameter** Noise (Leq 8 hrs.)  
**Location** Compressor area  
**Measurement Date** Jun 11, 2025  
**Measurement by** Amnat Wongsakhen

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
09:01 AM - 10:01 AM	63.0	78.4	62.2
10:01 AM - 11:01 AM	63.2	67.2	62.5
11:01 AM - 12:01 PM	69.0	92.3	62.3
12:01 PM - 01:01 PM	62.8	75.4	62.1
01:01 PM - 02:01 PM	62.9	65.8	62.4
02:01 PM - 03:01 PM	62.8	65.8	62.3
03:01 PM - 04:01 PM	64.0	76.7	62.6
04:01 PM - 05:01 PM	84.6	86.8	75.7

Leq Average 8 hrs. (dB(A))

75.9

Lmax (dB(A))

92.3

Standard (dB(A))

90

140

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**P/O :** 3100021227

**Project Name :**

**Project Location :**

**Lot ID: 2545278**

Date Received : Jun 12, 2025

Date Reported : Jun 17, 2025

Report Number: 3336403-1

Page 1 of 1

**Sample Number** 2545278-4  
**Parameter** Noise (Leq 8 hrs.)  
**Location** Generator area  
**Measurement Date** Jun 11, 2025  
**Measurement by** Amnat Wongsakhen

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
09:13 AM - 10:13 AM	68.8	74.9	68.5
10:13 AM - 11:13 AM	68.8	72.0	68.4
11:13 AM - 12:13 PM	70.5	89.9	68.3
12:13 PM - 01:13 PM	68.6	71.4	68.3
01:13 PM - 02:13 PM	68.5	72.1	68.3
02:13 PM - 03:13 PM	68.6	70.7	68.3
03:13 PM - 04:13 PM	70.4	82.9	68.4
04:13 PM - 05:13 PM	81.6	85.6	77.9

Leq Average 8 hrs. (dB(A))

74.1

Lmax (dB(A))

89.9

Standard (dB(A))

90

140

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**P/O :** 3100021227  
**Project Name :**  
**Project Location :**

**Lot ID: 2545278**

Date Received : Jun 12, 2025

Date Reported : Jun 17, 2025

Report Number: 3336404-1

Page 1 of 1

**Sample Number** 2545278-5  
**Parameter** Noise (Leq 8 hrs.)  
**Location** Pump area  
**Measurement Date** Jun 11, 2025  
**Measurement by** Amnat Wongsakhen

Time	Leq (dB(A))	Lmax (dB(A))	L90 (dB(A))
09:02 AM - 10:02 AM	66.8	69.4	66.0
10:02 AM - 11:02 AM	67.0	69.1	66.2
11:02 AM - 12:02 PM	70.9	92.2	66.1
12:02 PM - 01:02 PM	66.8	69.5	65.9
01:02 PM - 02:02 PM	66.7	68.8	65.9
02:02 PM - 03:02 PM	66.7	68.2	66.0
03:02 PM - 04:02 PM	67.3	79.5	66.3
04:02 PM - 05:02 PM	73.4	76.5	72.8

Leq Average 8 hrs. (dB(A))

69.0

Lmax (dB(A))

92.2

Standard (dB(A))

90

140

Reference Method : ISO1996-1 and 1996-2

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