

## ภาคผนวก ค-1

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ใบรายงานผลการตรวจวัดคุณภาพอากาศในบรรยากาศ  
และระดับเสียงโดยทั่วไป

## ANALYSIS REPORT

Analysis No. : Lab-AB 115/2567

Job No. : PCL 1118/67

Report Date : October 11, 2024

Customer Name : บริษัท ไอจี พอร์จ (ไทยแลนด์) จำกัด  
Address : เลขที่ 150/68 หมู่ที่ 9 นิคมอุตสาหกรรมปิ่นทอง 2 ตำบลหนองขาม อำเภอสรีราชา จังหวัดชลบุรี 20110  
Sampling Source : Ambient Air Quality  
Sampling Point : บริเวณวัดเขาชีธรรมนิมิต  
Sampling Date/Time : September 16-23, 2024/12.00 a.m. Received Date : September 24, 2024  
GPS. Coordinate : UTM 47P 0721583 E, 1451018 N Analytical Date : September 24, 2024  
Sampling Method : US. EPA. 40 CFR 50 Sampling Condition : Good  
Method of Analysis : High-Volume Air Sampler/Gravimetric Method

Item	Measure Date	Unit	Result
			ฝุ่นละอองขนาดเล็กไม่เกิน 100 ไมครอน (TSP) 24 Hours Average
1.	16-17/09/24	mg/m <sup>3</sup>	0.052
2.	17-18/09/24		0.051
3.	18-19/09/24		0.045
4.	19-20/09/24		0.049
5.	20-21/09/24		0.047
6.	21-22/09/24		0.044
7.	22-23/09/24		0.048
Standard <sup>1/</sup>			≤0.53

Remark : 1. <sup>1/</sup> ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 24 (พ.ศ. 2547) เรื่อง กำหนดมาตรฐานคุณภาพอากาศในบรรยากาศโดยทั่วไป (ลงวันที่ 9 สิงหาคม พ.ศ. 2547)  
2. สภาพอากาศ : ปกติ

## ANALYSIS REPORT

Analysis No. : Lab-AB 115/2567

Job No. : PCL 1118/67

Report Date : October 11, 2024

Customer Name : บริษัท ไอจี พอร์จ (ไทยแลนด์) จำกัด  
Address : เลขที่ 150/68 หมู่ที่ 9 นิคมอุตสาหกรรมปิ่นทอง 2 ตำบลหนองขาม อำเภอสรีราชา จังหวัดชลบุรี 20110  
Sampling Source : Ambient Air Quality  
Sampling Point : บริเวณโรงพยาบาลส่งเสริมสุขภาพตำบลบ้านหนองค้อ  
Sampling Date/Time : September 16-23, 2024/11.00 a.m. Received Date : September 24, 2024  
GPS. Coordinate : UTM 47P 0719956 E, 1452020 N Analytical Date : September 24, 2024  
Sampling Method : US. EPA. 40 CFR 50 Sampling Condition : Good  
Method of Analysis : High-Volume Air Sampler/Gravimetric Method

Item	Measure Date	Unit	Result
			ฝุ่นละอองขนาดไม่เกิน 100 ไมครอน (TSP) 24 Hours Average
1.	16-17/09/24	mg/m <sup>3</sup>	0.067
2.	17-18/09/24		0.069
3.	18-19/09/24		0.063
4.	19-20/09/24		0.070
5.	20-21/09/24		0.068
6.	21-22/09/24		0.064
7.	22-23/09/24		0.065
Standard <sup>1/</sup>			≤0.33

Remark : 1. <sup>1/</sup> ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 24 (พ.ศ. 2547) เรื่อง กำหนดมาตรฐานคุณภาพอากาศในบรรยากาศโดยทั่วไป (ลงวันที่ 9 สิงหาคม พ.ศ. 2547)  
2. สภาพอากาศ : ปกติ



## Wind Speed and Wind Direction Monitoring Report

Analysis No. : WS 070/2567  
Job No. : PCL 1118/67  
Report Date : October 11, 2024

Customer Name : บริษัท ไอจี พอร์จ (ไทยแลนด์) จำกัด  
Location : บริเวณวัดเขาชีธรรมนิมิต  
Between : September 16-23, 2024  
Measured Instrument : Wind speed and wind direction Precision Weather Station Davis Instruments  
Model No. 6152C Mfg Code Display BD181211032

Direction		Speed (m/s)						TOTAL	%
		0.4-0.8	0.8-1.2	1.2-1.6	1.6-2.0	2.0-2.4	>= 2.4		
N	0	0	0	0	0	1	5	6	3.57
NNE	22	0	0	0	0	0	0	0	0
NE	45	0	0	0	0	0	0	0	0
ENE	67	0	0	0	0	0	0	0	0
E	90	0	0	0	0	0	0	0	0
ESE	112	0	0	0	0	0	0	0	0
SE	135	0	0	0	0	0	0	0	0
SSE	157	0	0	0	0	0	0	0	0
S	180	1	2	0	3	7	36	49	29.17
SSW	202	1	3	0	2	1	31	38	22.62
SW	225	2	1	0	3	1	6	13	7.74
WSW	247	2	0	0	0	0	4	6	3.57
W	270	0	1	0	1	2	2	6	3.57
WNW	292	0	0	1	2	3	9	15	8.93
NW	315	1	1	0	1	1	9	13	7.74
NNW	337	0	0	0	0	2	7	9	5.35
TOTAL		7	8	1	12	18	109	155	92.26
CALM (<0.4 m/s)								13	7.74
TOTAL								168	100.00



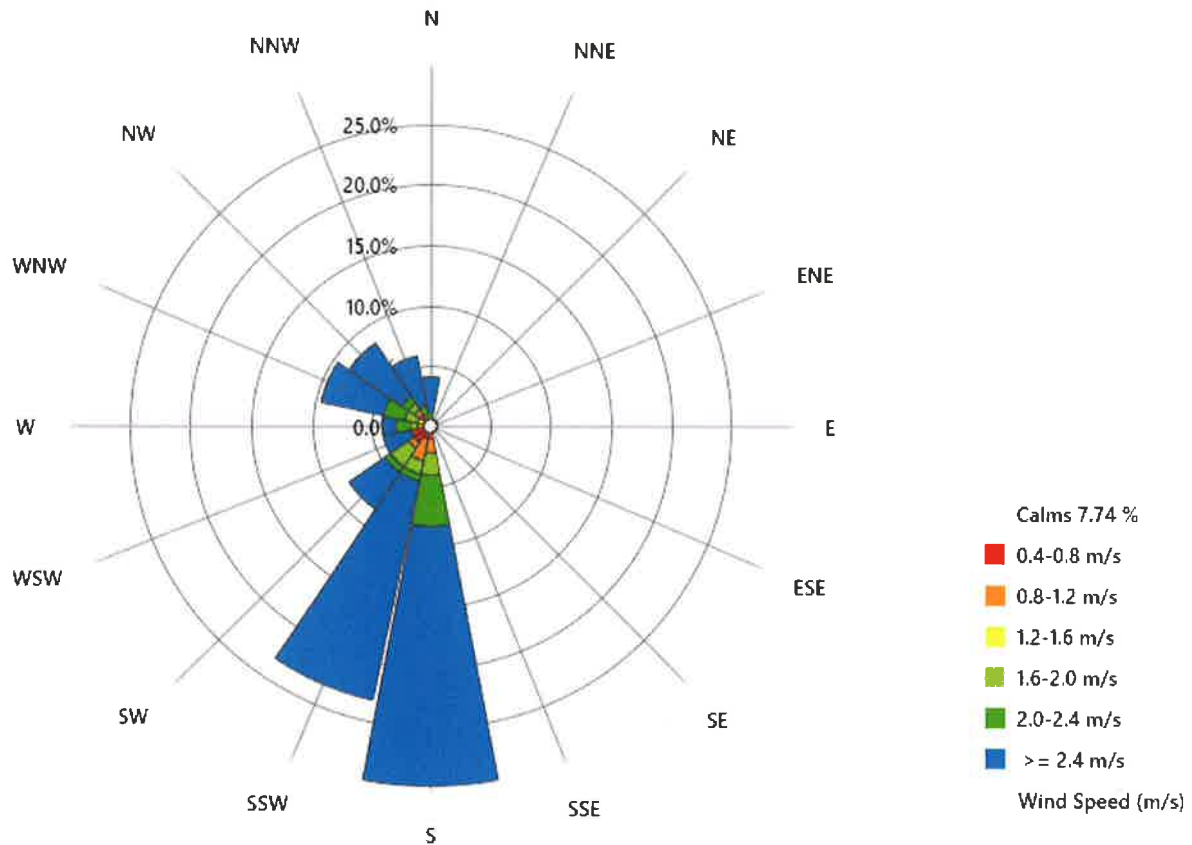
## Wind Diagram

Analysis No. : WS 070/2567

Job No. : PCL 1118/67

Report Date : October 11, 2024

Customer Name : บริษัท ไอจี ฟอรัจ (ไทยแลนด์) จำกัด  
Location : บริเวณวัดเขาชีธรรมนิมิต  
Between : September 16-23, 2024  
Measured Instrument : Wind speed and wind direction Precision Weather Station Davis Instruments  
Model No. 6152C Mfg Code Display BD181211032



## Wind Speed and Wind Direction Monitoring Report

Analysis No. : WS 070/2567  
Job No. : PCL 1118/67  
Report Date : October 11, 2024

Customer Name : บริษัท ไอจี พอร์จ (ไทยแลนด์) จำกัด  
Location : บริเวณโรงพยาบาลส่งเสริมสุขภาพตำบลบ้านหนองค้อ  
Between : September 16-23, 2024  
Measured Instrument : Wind speed and wind direction Precision Weather Station Davis Instruments  
Model No. 6152C Mfg Code Display BE190314005

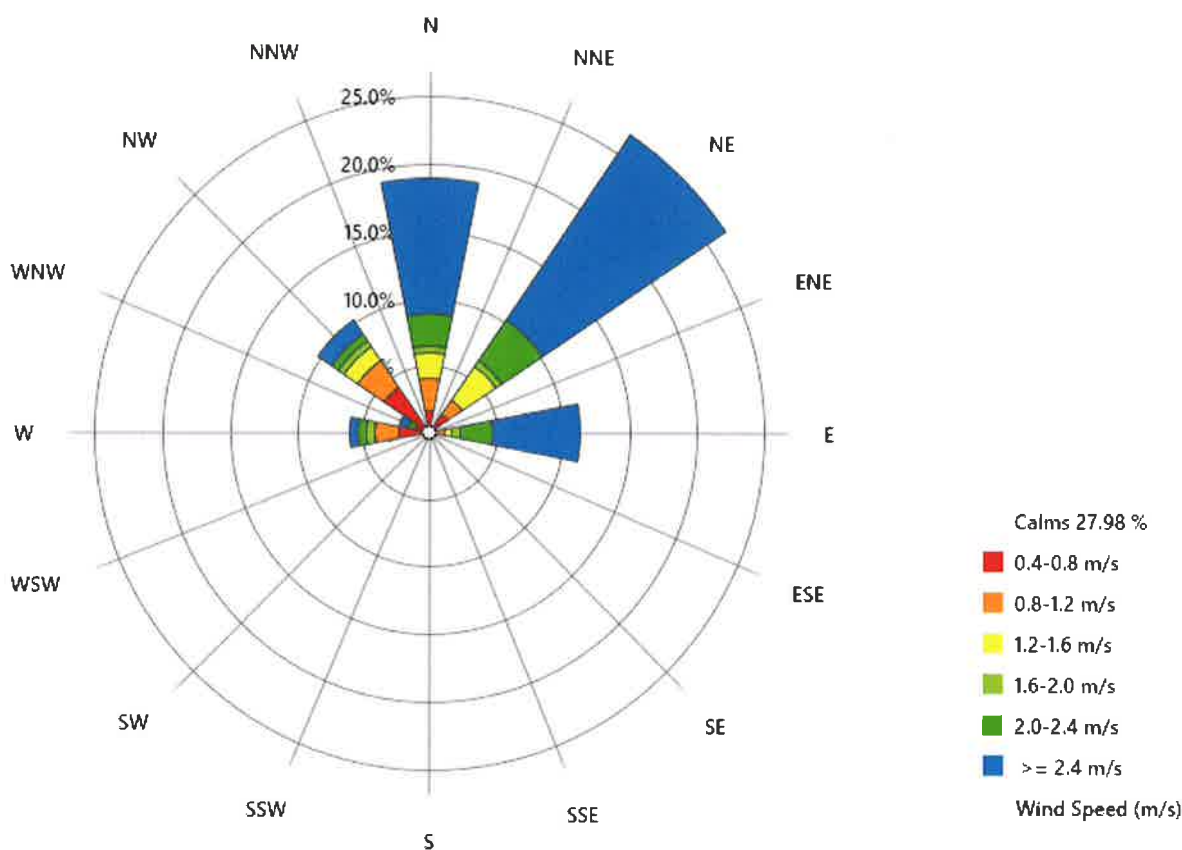
Direction		Speed (m/s)						TOTAL	%
		0.4-0.8	0.8-1.2	1.2-1.6	1.6-2.0	2.0-2.4	>= 2.4		
N	0	2	4	3	1	4	17	31	18.45
NNE	22	0	0	0	0	0	0	0	0
NE	45	2	2	5	1	6	28	44	26.19
ENE	67	0	0	0	0	0	0	0	0
E	90	0	1	1	1	4	11	18	10.71
ESE	112	0	0	0	0	0	0	0	0
SE	135	0	0	0	0	0	0	0	0
SSE	157	0	0	0	0	0	0	0	0
S	180	0	0	0	0	0	0	0	0
SSW	202	0	0	0	0	0	0	0	0
SW	225	0	0	0	0	0	0	0	0
WSW	247	0	0	0	0	0	0	0	0
W	270	3	3	0	1	1	1	9	5.36
WNW	292	1	0	0	0	1	1	3	1.79
NW	315	6	4	2	1	1	2	16	9.52
NNW	337	0	0	0	0	0	0	0	0
TOTAL		14	14	11	5	17	60	121	72.02
CALM (<0.4 m/s)								47	27.98
TOTAL								168	100.00



## Wind Diagram

Analysis No. : WS 070/2567  
Job No. : PCL 1118/67  
Report Date : October 11, 2024

Customer Name : บริษัท ไอจี พอร์จ (ไทยแลนด์) จำกัด  
Location : บริเวณโรงพยาบาลส่งเสริมสุขภาพตำบลบ้านหนองค้อ  
Between : September 16-23, 2024  
Measured Instrument : Wind speed and wind direction Precision Weather Station Davis Instruments  
Model No. 6152C Mfg Code Display BE190314005





PACIFIC

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Amphoe Bang Bua Thong, Nonthaburi 11110

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## ANALYSIS REPORT

Analysis No. : NH 190/2567  
Job No. : PCL 1118/67  
Report Date : September 27, 2024

Customer Name : บริษัท โอจี ฟอรัจ (ไทยแลนด์) จำกัด  
Address : เลขที่ 150/68 หมู่ที่ 9 นิคมอุตสาหกรรมปิ่นทอง 2 ตำบลหนองขาม อำเภอศรีราชา จังหวัดชลบุรี 20110  
Sampling Source : Community Noise  
Sampling Location : ทิศเหนือ (Slope area)  
GPS. Coordinate : UTM 47P 0719759 E, 1450839 N  
Measured Date : September 16-17, 2024  
Measured Instrument : Sound Level Meter ACO Model 6226 Serial Number 180044

Interval Time	Noise Level (dBA)		
	Leq	Lmax	L90
03:00 p.m. – 04:00 p.m.	56.3	77.1	48.9
04:00 p.m. – 05:00 p.m.	56.7	77.9	48.6
05:00 p.m. – 06:00 p.m.	57.6	79.7	48.2
06:00 p.m. – 07:00 p.m.	55.2	79.7	44.1
07:00 p.m. – 08:00 p.m.	54.8	74.1	46.4
08:00 p.m. – 09:00 p.m.	55.0	74.2	48.0
09:00 p.m. – 10:00 p.m.	51.3	73.0	45.0
10:00 p.m. – 11:00 p.m.	50.6	71.0	44.4
11:00 p.m. – 00:00 p.m.	47.4	68.5	43.9
00:00 p.m. – 01:00 a.m.	49.5	72.7	41.9
01:00 a.m. – 02:00 a.m.	48.2	77.6	43.7
02:00 a.m. – 03:00 a.m.	46.7	68.1	43.2
03:00 a.m. – 04:00 a.m.	45.7	62.4	43.3
04:00 a.m. – 05:00 a.m.	46.8	66.5	43.0
05:00 a.m. – 06:00 a.m.	48.9	71.5	42.0
06:00 a.m. – 07:00 a.m.	50.2	74.2	43.8
07:00 a.m. – 08:00 a.m.	57.3	78.8	50.8
08:00 a.m. – 09:00 a.m.	53.9	69.9	48.2
09:00 a.m. – 10:00 a.m.	53.1	71.1	47.2
10:00 a.m. – 11:00 a.m.	53.8	75.5	46.9
11:00 a.m. – 12:00 a.m.	52.8	72.9	45.9
12:00 a.m. – 01:00 p.m.	51.0	70.8	43.9
01:00 p.m. – 02:00 p.m.	51.8	75.4	46.2
02:00 p.m. – 03:00 p.m.	52.6	75.1	45.9
24 Hours Measured	53.2	79.7	46.2
Standard <sup>V</sup>	≤70	≤115	-
Evaluation	pass	pass	-
Ldn	56.6	-	-

Remark : 1. <sup>V</sup> Notification of Ministry of Industry on the Prescription of the Values of Annoyance Sound Level and the sound Level caused by Engaging in a Factory Business B.E. 2548 (Dated 27 December B.E. 2548)



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## ANALYSIS REPORT

Analysis No. : NH 190/2567  
Job No. : PCL 1118/67  
Report Date : September 27, 2024

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Address : เลขที่ 150/68 หมู่ที่ 9 นิคมอุตสาหกรรมปิ่นทอง 2 ตำบลหนองขาม อำเภอศรีราชา จังหวัดชลบุรี 20110  
Sampling Source : Community Noise  
Sampling Location : ทิศเหนือ (Slope area)  
GPS. Coordinate : UTM 47P 0719759 E, 1450839 N  
Measured Date : September 17-18, 2024  
Measured Instrument : Sound Level Meter ACO Model 6226 Serial Number 180044

Interval Time	Noise Level (dBA)		
	Leq	Lmax	L90
03:00 p.m. – 04:00 p.m.	53.8	75.6	45.9
04:00 p.m. – 05:00 p.m.	52.8	70.9	48.2
05:00 p.m. – 06:00 p.m.	55.7	75.5	48.1
06:00 p.m. – 07:00 p.m.	51.9	72.5	45.8
07:00 p.m. – 08:00 p.m.	55.3	78.3	46.4
08:00 p.m. – 09:00 p.m.	52.6	69.4	47.0
09:00 p.m. – 10:00 p.m.	48.7	68.0	44.7
10:00 p.m. – 11:00 p.m.	50.7	73.2	44.8
11:00 p.m. – 00:00 p.m.	47.6	65.3	43.7
00:00 p.m. – 01:00 a.m.	51.1	70.0	45.0
01:00 a.m. – 02:00 a.m.	47.3	63.8	45.0
02:00 a.m. – 03:00 a.m.	49.9	67.6	46.7
03:00 a.m. – 04:00 a.m.	48.2	70.0	45.4
04:00 a.m. – 05:00 a.m.	47.9	65.2	44.3
05:00 a.m. – 06:00 a.m.	48.1	68.3	43.0
06:00 a.m. – 07:00 a.m.	49.9	68.9	44.5
07:00 a.m. – 08:00 a.m.	56.4	75.0	50.1
08:00 a.m. – 09:00 a.m.	55.1	79.0	48.1
09:00 a.m. – 10:00 a.m.	52.8	69.5	46.5
10:00 a.m. – 11:00 a.m.	52.9	71.2	46.7
11:00 a.m. – 12:00 a.m.	51.6	69.8	45.5
12:00 a.m. – 01:00 p.m.	52.1	72.8	44.8
01:00 p.m. – 02:00 p.m.	52.1	70.7	46.2
02:00 p.m. – 03:00 p.m.	52.2	71.1	46.0
24 Hours Measured	52.3	79.0	46.2
Standard <sup>1/</sup>	≤70	≤115	-
Evaluation	pass	pass	-
Ldn	58.4	-	-

Remark : 1. <sup>1/</sup> Notification of Ministry of Industry on the Prescription of the Values of Annoyance Sound Level and the sound Level caused by Engaging in a Factory Business B.E. 2548 (Dated 27 December B.E. 2548)

PACIFIC LABORATORY CO., LTD.  
Lab. Supervisor

# ANALYSIS REPORT

Analysis No. : NH 190/2567  
Job No. : PCL 1118/67  
Report Date : September 27, 2024

Customer Name : บริษัท โอจี พอร์จ (ไทยแลนด์) จำกัด  
Address : เลขที่ 150/68 หมู่ที่ 9 นิคมอุตสาหกรรมปิ่นทอง 2 ตำบลหนองขาม อำเภอศรีราชา จังหวัดชลบุรี 20110  
Sampling Source : Community Noise  
Sampling Location : ทิศเหนือ (Slope area)  
GPS. Coordinate : UTM 47P 0719759 E, 1450839 N  
Measured Date : September 18-19, 2024  
Measured Instrument : Sound Level Meter ACO Model 6226 Serial Number 180044

Interval Time	Noise Level (dBA)		
	Leq	Lmax	L90
03:00 p.m. – 04:00 p.m.	52.2	70.7	46.9
04:00 p.m. – 05:00 p.m.	54.5	90.5	48.3
05:00 p.m. – 06:00 p.m.	55.6	81.0	48.2
06:00 p.m. – 07:00 p.m.	55.2	91.7	44.8
07:00 p.m. – 08:00 p.m.	54.3	75.6	46.7
08:00 p.m. – 09:00 p.m.	53.8	74.9	47.4
09:00 p.m. – 10:00 p.m.	50.0	71.1	45.6
10:00 p.m. – 11:00 p.m.	50.8	73.4	44.8
11:00 p.m. – 00:00 p.m.	47.1	65.1	43.7
00:00 p.m. – 01:00 a.m.	45.4	66.6	41.3
01:00 a.m. – 02:00 a.m.	46.3	63.7	43.3
02:00 a.m. – 03:00 a.m.	46.8	68.0	43.3
03:00 a.m. – 04:00 a.m.	46.4	62.8	43.1
04:00 a.m. – 05:00 a.m.	46.8	66.6	42.5
05:00 a.m. – 06:00 a.m.	49.4	70.6	43.2
06:00 a.m. – 07:00 a.m.	52.2	78.5	44.9
07:00 a.m. – 08:00 a.m.	56.9	75.1	50.5
08:00 a.m. – 09:00 a.m.	53.7	75.8	46.8
09:00 a.m. – 10:00 a.m.	53.9	71.5	46.5
10:00 a.m. – 11:00 a.m.	55.2	77.5	46.8
11:00 a.m. – 12:00 a.m.	55.6	80.0	47.4
12:00 a.m. – 01:00 p.m.	54.3	75.3	45.7
01:00 p.m. – 02:00 p.m.	55.3	76.9	47.4
02:00 p.m. – 03:00 p.m.	63.5	91.5	55.2
24 Hours Measured	54.6	91.7	47.3
Standard <sup>1/</sup>	≤70	≤115	-
Evaluation	pass	pass	-
Ldn	57.0	-	-

Remark : 1. <sup>1/</sup> Notification of Ministry of Industry on the Prescription of the Values of Annoyance Sound Level and the sound Level caused by Engaging in a Factory Business B.E. 2548 (Dated 27 December B.E. 2548)

PACIFIC LABORATORY CO., LTD.  
Lab. Supervisor

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Address : เลขที่ 150/68 หมู่ที่ 9 นิคมอุตสาหกรรมปิ่นทอง 2 ตำบลหนองขาม อำเภอศรีราชา จังหวัดชลบุรี 20110  
Sampling Source : Community Noise  
Sampling Location : ทิศเหนือ (Slope area)  
GPS. Coordinate : UTM 47P 0719759 E, 1450839 N  
Measured Date : September 19-20, 2024  
Measured Instrument : Sound Level Meter ACO Model 6226 Serial Number 180044

Interval Time	Noise Level (dBA)		
	Leq	Lmax	L90
03:00 p.m. - 04:00 p.m.	66.9	91.1	58.3
04:00 p.m. - 05:00 p.m.	66.9	90.1	60.5
05:00 p.m. - 06:00 p.m.	68.1	90.0	60.3
06:00 p.m. - 07:00 p.m.	62.6	83.5	56.5
07:00 p.m. - 08:00 p.m.	67.6	88.0	59.8
08:00 p.m. - 09:00 p.m.	65.0	88.2	59.1
09:00 p.m. - 10:00 p.m.	62.7	83.9	57.4
10:00 p.m. - 11:00 p.m.	62.2	82.7	56.8
11:00 p.m. - 00:00 p.m.	61.9	78.5	57.2
00:00 p.m. - 01:00 a.m.	60.0	78.1	55.0
01:00 a.m. - 02:00 a.m.	61.0	80.0	56.6
02:00 a.m. - 03:00 a.m.	61.0	80.7	56.6
03:00 a.m. - 04:00 a.m.	61.1	81.4	56.4
04:00 a.m. - 05:00 a.m.	58.9	78.8	55.3
05:00 a.m. - 06:00 a.m.	62.0	89.5	55.7
06:00 a.m. - 07:00 a.m.	64.3	87.3	57.5
07:00 a.m. - 08:00 a.m.	70.2	95.6	63.2
08:00 a.m. - 09:00 a.m.	69.6	98.2	66.1
09:00 a.m. - 10:00 a.m.	67.2	89.3	63.8
10:00 a.m. - 11:00 a.m.	65.3	94.2	60.1
11:00 a.m. - 12:00 a.m.	64.4	93.6	58.7
12:00 a.m. - 01:00 p.m.	61.7	81.3	56.3
01:00 p.m. - 02:00 p.m.	66.4	87.4	58.5
02:00 p.m. - 03:00 p.m.	68.0	90.4	58.3
24 Hours Measured	65.5	98.2	59.6
Standard <sup>1/</sup>	≤70	≤115	-
Evaluation	pass	pass	-
Ldn	69.1	-	-

Remark : 1. <sup>1/</sup> Notification of Ministry of Industry on the Prescription of the Values of Annoyance Sound Level and the sound Level caused by Engaging in a Factory Business B.E. 2548 (Dated 27 December B.E. 2548)

PACIFIC LABORATORY CO., LTD.  
Lab. Supervisor

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Report Date : September 27, 2024

Customer Name : บริษัท ไอจี พอร์จ (ไทยแลนด์) จำกัด  
Address : เลขที่ 150/68 หมู่ที่ 9 นิคมอุตสาหกรรมปิ่นทอง 2 ตำบลหนองขาม อำเภอศรีราชา จังหวัดชลบุรี 20110  
Sampling Source : Community Noise  
Sampling Location : ทิศเหนือ (Slope area)  
GPS. Coordinate : UTM 47P 0719759 E, 1450839 N  
Measured Date : September 20-21, 2024  
Measured Instrument : Sound Level Meter ACO Model 6226 Serial Number 180044

Interval Time	Noise Level (dBA)		
	Leq	Lmax	L90
03:00 p.m. – 04:00 p.m.	66.9	90.5	58.6
04:00 p.m. – 05:00 p.m.	67.6	90.8	59.3
05:00 p.m. – 06:00 p.m.	69.2	91.5	59.8
06:00 p.m. – 07:00 p.m.	69.2	98.4	56.1
07:00 p.m. – 08:00 p.m.	68.1	90.3	59.0
08:00 p.m. – 09:00 p.m.	66.6	88.1	60.9
09:00 p.m. – 10:00 p.m.	63.8	90.0	58.2
10:00 p.m. – 11:00 p.m.	65.2	95.2	57.8
11:00 p.m. – 00:00 p.m.	65.9	85.2	60.8
00:00 p.m. – 01:00 a.m.	57.2	77.6	55.0
01:00 a.m. – 02:00 a.m.	61.2	81.0	56.9
02:00 a.m. – 03:00 a.m.	59.4	78.8	56.2
03:00 a.m. – 04:00 a.m.	57.9	73.9	55.9
04:00 a.m. – 05:00 a.m.	58.0	84.0	54.9
05:00 a.m. – 06:00 a.m.	62.4	85.6	55.9
06:00 a.m. – 07:00 a.m.	63.7	90.7	56.5
07:00 a.m. – 08:00 a.m.	68.9	92.5	61.2
08:00 a.m. – 09:00 a.m.	65.2	88.9	59.2
09:00 a.m. – 10:00 a.m.	64.0	89.1	55.7
10:00 a.m. – 11:00 a.m.	66.5	88.8	55.4
11:00 a.m. – 12:00 a.m.	65.3	89.1	55.8
12:00 a.m. – 01:00 p.m.	61.9	88.2	55.7
01:00 p.m. – 02:00 p.m.	61.4	88.0	55.8
02:00 p.m. – 03:00 p.m.	61.3	87.0	55.6
24 Hours Measured	65.3	98.4	57.8
Standard <sup>1/</sup>	≤70	≤115	-
Evaluation	pass	pass	-
Ldn	69.6	-	-

Remark : 1. <sup>1/</sup> Notification of Ministry of Industry on the Prescription of the Values of Annoyance Sound Level and the sound Level caused by Engaging in a Factory Business B.E. 2548 (Dated 27 December B.E. 2548)



## ANALYSIS REPORT

Analysis No. : NH 190/2567  
Job No. : PCL 1118/67  
Report Date : September 27, 2024

Customer Name : บริษัท โอจี ฟอรัจ (ไทยแลนด์) จำกัด  
Address : เลขที่ 150/68 หมู่ที่ 9 นิคมอุตสาหกรรมปิ่นทอง 2 ตำบลหนองขาม อำเภอศรีราชา จังหวัดชลบุรี 20110  
Sampling Source : Community Noise  
Sampling Location : ทิศเหนือ (Slope area)  
GPS. Coordinate : UTM 47P 0719759 E, 1450839 N  
Measured Date : September 21-22, 2024  
Measured Instrument : Sound Level Meter ACO Model 6226 Serial Number 180044

Interval Time	Noise Level (dBA)		
	Leq	Lmax	L90
03:00 p.m. – 04:00 p.m.	60.5	81.6	55.2
04:00 p.m. – 05:00 p.m.	62.9	86.0	56.4
05:00 p.m. – 06:00 p.m.	68.7	88.9	58.5
06:00 p.m. – 07:00 p.m.	59.9	81.1	55.3
07:00 p.m. – 08:00 p.m.	65.1	88.0	57.2
08:00 p.m. – 09:00 p.m.	63.3	84.9	57.4
09:00 p.m. – 10:00 p.m.	57.9	78.2	55.4
10:00 p.m. – 11:00 p.m.	57.4	74.5	55.2
11:00 p.m. – 00:00 p.m.	57.2	80.7	55.1
00:00 p.m. – 01:00 a.m.	56.4	72.0	54.6
01:00 a.m. – 02:00 a.m.	56.7	83.7	54.8
02:00 a.m. – 03:00 a.m.	56.4	74.3	54.9
03:00 a.m. – 04:00 a.m.	56.3	73.2	54.9
04:00 a.m. – 05:00 a.m.	57.1	75.0	54.9
05:00 a.m. – 06:00 a.m.	63.1	85.0	55.6
06:00 a.m. – 07:00 a.m.	60.3	82.8	55.6
07:00 a.m. – 08:00 a.m.	67.1	87.8	58.5
08:00 a.m. – 09:00 a.m.	64.7	92.5	56.7
09:00 a.m. – 10:00 a.m.	58.3	78.9	53.5
10:00 a.m. – 11:00 a.m.	59.3	79.3	54.3
11:00 a.m. – 12:00 a.m.	61.6	83.9	54.8
12:00 a.m. – 01:00 p.m.	59.0	80.8	52.8
01:00 p.m. – 02:00 p.m.	59.9	82.5	54.0
02:00 p.m. – 03:00 p.m.	57.3	77.5	53.5
24 Hours Measured	61.9	92.5	55.6
Standard <sup>1/</sup>	≤70	≤115	-
Evaluation	pass	pass	-
Ldn	65.8	-	-

Remark : 1. <sup>1/</sup> Notification of Ministry of Industry on the Prescription of the Values of Annoyance Sound Level and the sound Level caused by Engaging in a Factory Business B.E. 2548 (Dated 27 December B.E. 2548)

LABORATORY CO., LTD.  
[Signature]  
Lab. Supervisor

## ANALYSIS REPORT

Analysis No. : NH 190/2567  
Job No. : PCL 1118/67  
Report Date : September 27, 2024

Customer Name : บริษัท ไอจี พอร์จ (ไทยแลนด์) จำกัด  
Address : เลขที่ 150/68 หมู่ที่ 9 นิคมอุตสาหกรรมปิ่นทอง 2 ตำบลหนองขาม อำเภอศรีราชา จังหวัดชลบุรี 20110  
Sampling Source : Community Noise  
Sampling Location : ทิศเหนือ (Slope area)  
GPS. Coordinate : UTM 47P 0719759 E, 1450839 N  
Measured Date : September 22-23, 2024  
Measured Instrument : Sound Level Meter ACO Model 6226 Serial Number 180044

Interval Time	Noise Level (dBA)		
	Leq	Lmax	L90
03:00 p.m. – 04:00 p.m.	65.0	93.4	54.8
04:00 p.m. – 05:00 p.m.	63.9	85.1	58.4
05:00 p.m. – 06:00 p.m.	62.9	84.1	57.2
06:00 p.m. – 07:00 p.m.	65.5	94.4	58.2
07:00 p.m. – 08:00 p.m.	65.5	83.0	60.5
08:00 p.m. – 09:00 p.m.	65.8	92.0	58.2
09:00 p.m. – 10:00 p.m.	63.2	86.5	57.0
10:00 p.m. – 11:00 p.m.	65.0	97.0	57.4
11:00 p.m. – 00:00 p.m.	63.3	86.2	57.3
00:00 p.m. – 01:00 a.m.	65.4	83.7	59.2
01:00 a.m. – 02:00 a.m.	63.7	85.2	56.7
02:00 a.m. – 03:00 a.m.	61.0	88.8	55.5
03:00 a.m. – 04:00 a.m.	56.3	80.1	52.9
04:00 a.m. – 05:00 a.m.	62.5	87.5	56.5
05:00 a.m. – 06:00 a.m.	61.1	80.5	56.4
06:00 a.m. – 07:00 a.m.	59.0	78.6	55.1
07:00 a.m. – 08:00 a.m.	65.4	86.6	60.0
08:00 a.m. – 09:00 a.m.	66.0	89.2	58.2
09:00 a.m. – 10:00 a.m.	63.6	85.5	57.1
10:00 a.m. – 11:00 a.m.	67.8	89.6	59.9
11:00 a.m. – 12:00 a.m.	68.5	93.6	58.9
12:00 a.m. – 01:00 p.m.	66.6	90.1	57.9
01:00 p.m. – 02:00 p.m.	62.5	83.3	55.5
02:00 p.m. – 03:00 p.m.	66.8	90.7	59.1
24 Hours Measured	64.7	97.0	57.8
Standard <sup>1/</sup>	≤70	≤115	-
Evaluation	pass	pass	-
Ldn	69.9	-	-

Remark : 1. <sup>1/</sup> Notification of Ministry of Industry on the Prescription of the Values of Annoyance Sound Level and the sound Level caused by Engaging in a Factory Business B.E. 2548 (Dated 27 December B.E. 2548)

LABORATORY  
PCL  
Lab Supervisor

## ANALYSIS REPORT

Analysis No. : NH 190/2567  
Job No. : PCL 1118/67  
Report Date : September 27, 2024

Customer Name : บริษัท โอจี พอร์จ (ไทยแลนด์) จำกัด  
Address : เลขที่ 150/68 หมู่ที่ 9 นิคมอุตสาหกรรมปิ่นทอง 2 ตำบลหนองขาม อำเภอศรีราชา จังหวัดชลบุรี 20110  
Sampling Source : Community Noise  
Sampling Location : ทิศใต้ (บริเวณหลังลาน Emer)  
GPS. Coordinate : UTM 47P 0719673 E, 1450455 N  
Measured Date : September 16-17, 2024  
Measured Instrument : Sound Level Meter ACO Model 6226 Serial Number 200029

Interval Time	Noise Level (dBA)		
	Leq	Lmax	L90
03:00 p.m. – 04:00 p.m.	51.2	68.4	48.7
04:00 p.m. – 05:00 p.m.	51.9	70.6	49.6
05:00 p.m. – 06:00 p.m.	51.0	63.7	48.9
06:00 p.m. – 07:00 p.m.	50.0	63.0	47.6
07:00 p.m. – 08:00 p.m.	52.7	79.2	49.6
08:00 p.m. – 09:00 p.m.	52.7	70.5	50.4
09:00 p.m. – 10:00 p.m.	50.6	65.7	48.8
10:00 p.m. – 11:00 p.m.	49.9	68.9	48.2
11:00 p.m. – 00:00 p.m.	51.2	63.6	48.6
00:00 p.m. – 01:00 a.m.	50.1	56.3	48.0
01:00 a.m. – 02:00 a.m.	52.1	68.4	50.2
02:00 a.m. – 03:00 a.m.	53.0	65.9	50.3
03:00 a.m. – 04:00 a.m.	51.0	68.6	48.3
04:00 a.m. – 05:00 a.m.	47.9	57.9	46.8
05:00 a.m. – 06:00 a.m.	50.7	62.0	48.3
06:00 a.m. – 07:00 a.m.	50.2	65.2	48.3
07:00 a.m. – 08:00 a.m.	50.9	68.0	48.4
08:00 a.m. – 09:00 a.m.	52.3	63.5	49.7
09:00 a.m. – 10:00 a.m.	53.1	69.4	50.7
10:00 a.m. – 11:00 a.m.	53.4	74.2	51.3
11:00 a.m. – 12:00 a.m.	51.1	76.3	48.0
12:00 a.m. – 01:00 p.m.	50.4	65.3	48.1
01:00 p.m. – 02:00 p.m.	53.2	73.8	50.3
02:00 p.m. – 03:00 p.m.	51.2	81.3	48.1
24 Hours Measured	51.5	81.3	49.1
Standard <sup>1/</sup>	≤70	≤115	-
Evaluation	pass	pass	-
Ldn	57.5	-	-

Remark : 1. <sup>1/</sup> Notification of Ministry of Industry on the Prescription of the Values of Annoyance Sound Level and the sound Level caused by Engaging in a Factory Business B.E. 2548 (Dated 27 December B.E. 2548)

LABORATORY  
PCL  
Lab. Supervisor

## ANALYSIS REPORT

Analysis No. : NH 190/2567  
Job No. : PCL 1118/67  
Report Date : September 27, 2024

Customer Name : บริษัท โอจี พอร์จ (ไทยแลนด์) จำกัด  
Address : เลขที่ 150/68 หมู่ที่ 9 นิคมอุตสาหกรรมปิ่นทอง 2 ตำบลหนองขาม อำเภอศรีราชา จังหวัดชลบุรี 20110  
Sampling Source : Community Noise  
Sampling Location : ทิศใต้ (บริเวณหลังลาน Emer)  
GPS. Coordinate : UTM 47P 0719673 E, 1450455 N  
Measured Date : September 17-18, 2024  
Measured Instrument : Sound Level Meter ACO Model 6226 Serial Number 200029

Interval Time	Noise Level (dBA)		
	Leq	Lmax	L90
03:00 p.m. - 04:00 p.m.	56.6	78.7	48.5
04:00 p.m. - 05:00 p.m.	49.9	81.3	46.7
05:00 p.m. - 06:00 p.m.	54.2	76.6	47.2
06:00 p.m. - 07:00 p.m.	58.9	79.3	52.1
07:00 p.m. - 08:00 p.m.	59.3	66.4	57.5
08:00 p.m. - 09:00 p.m.	60.5	68.3	59.2
09:00 p.m. - 10:00 p.m.	60.3	65.4	58.6
10:00 p.m. - 11:00 p.m.	59.6	64.8	57.7
11:00 p.m. - 00:00 p.m.	52.8	72.2	51.4
00:00 p.m. - 01:00 a.m.	61.4	74.8	53.1
01:00 a.m. - 02:00 a.m.	53.1	70.6	51.2
02:00 a.m. - 03:00 a.m.	57.3	74.6	55.0
03:00 a.m. - 04:00 a.m.	55.8	69.7	54.1
04:00 a.m. - 05:00 a.m.	54.5	70.5	53.1
05:00 a.m. - 06:00 a.m.	67.0	82.7	60.4
06:00 a.m. - 07:00 a.m.	64.7	79.9	57.5
07:00 a.m. - 08:00 a.m.	57.6	74.9	53.5
08:00 a.m. - 09:00 a.m.	52.7	70.7	51.1
09:00 a.m. - 10:00 a.m.	52.4	70.5	49.7
10:00 a.m. - 11:00 a.m.	50.6	68.9	48.4
11:00 a.m. - 12:00 a.m.	53.5	76.4	46.7
12:00 a.m. - 01:00 p.m.	49.6	70.1	45.8
01:00 p.m. - 02:00 p.m.	54.0	76.2	46.8
02:00 p.m. - 03:00 p.m.	52.4	87.7	49.7
24 Hours Measured	58.8	87.7	54.5
Standard <sup>1/</sup>	≤70	≤115	-
Evaluation	pass	pass	-
Ldn	66.5	-	-

Remark : 1. <sup>1/</sup> Notification of Ministry of Industry on the Prescription of the Values of Annoyance Sound Level and the sound Level caused by Engaging in a Factory Business B.E. 2548 (Dated 27 December B.E. 2548)



# ANALYSIS REPORT

Analysis No. : NH 190/2567  
Job No. : PCL 1118/67  
Report Date : September 27, 2024

Customer Name : บริษัท โอจี ฟอรัจ (ไทยแลนด์) จำกัด  
Address : เลขที่ 150/68 หมู่ที่ 9 นิคมอุตสาหกรรมปิ่นทอง 2 ตำบลหนองขาม อำเภอศรีราชา จังหวัดชลบุรี 20110  
Sampling Source : Community Noise  
Sampling Location : ทิศใต้ (บริเวณหลังลาน Emer)  
GPS. Coordinate : UTM 47P 0719673 E, 1450455 N  
Measured Date : September 18-19, 2024  
Measured Instrument : Sound Level Meter ACO Model 6226 Serial Number 200029

Interval Time	Noise Level (dBA)		
	Leq	Lmax	L90
03:00 p.m. – 04:00 p.m.	51.2	72.4	49.3
04:00 p.m. – 05:00 p.m.	54.1	78.8	50.0
05:00 p.m. – 06:00 p.m.	50.4	65.0	48.4
06:00 p.m. – 07:00 p.m.	49.4	63.5	48.1
07:00 p.m. – 08:00 p.m.	52.6	69.2	50.1
08:00 p.m. – 09:00 p.m.	51.1	65.4	49.0
09:00 p.m. – 10:00 p.m.	52.9	65.0	50.9
10:00 p.m. – 11:00 p.m.	53.0	76.3	49.9
11:00 p.m. – 00:00 p.m.	53.6	72.2	50.4
00:00 p.m. – 01:00 a.m.	50.3	64.4	48.2
01:00 a.m. – 02:00 a.m.	50.3	69.5	48.2
02:00 a.m. – 03:00 a.m.	51.3	63.3	49.5
03:00 a.m. – 04:00 a.m.	52.7	66.9	50.2
04:00 a.m. – 05:00 a.m.	51.4	66.9	49.4
05:00 a.m. – 06:00 a.m.	52.9	71.2	50.5
06:00 a.m. – 07:00 a.m.	52.4	66.6	49.9
07:00 a.m. – 08:00 a.m.	52.3	70.6	49.8
08:00 a.m. – 09:00 a.m.	50.3	63.5	48.5
09:00 a.m. – 10:00 a.m.	52.2	67.3	49.5
10:00 a.m. – 11:00 a.m.	53.7	70.9	50.5
11:00 a.m. – 12:00 a.m.	52.7	67.8	50.6
12:00 a.m. – 01:00 p.m.	51.1	68.4	48.5
01:00 p.m. – 02:00 p.m.	53.1	76.1	49.5
02:00 p.m. – 03:00 p.m.	50.8	87.3	45.2
24 Hours Measured	52.1	87.3	49.5
Standard <sup>1/</sup>	≤70	≤115	-
Evaluation	pass	pass	-
Ldn	58.6	-	-

Remark : 1. <sup>1/</sup> Notification of Ministry of Industry on the Prescription of the Values of Annoyance Sound Level and the sound Level caused by Engaging in a Factory Business B.E. 2548 (Dated 27 December B.E. 2548)

LABORATORY  
Lab. Supervisor

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REPORT ANALYSIS REFERS TO SUBMITTED SAMPLE (S) ONLY

# ANALYSIS REPORT

Analysis No. : NH 190/2567  
Job No. : PCL 1118/67  
Report Date : September 27, 2024

Customer Name : บริษัท โอจี ฟอรัจ (ไทยแลนด์) จำกัด  
Address : เลขที่ 150/68 หมู่ที่ 9 นิคมอุตสาหกรรมปิ่นทอง 2 ตำบลหนองขาม อำเภอศรีราชา จังหวัดชลบุรี 20110  
Sampling Source : Community Noise  
Sampling Location : ทิศใต้ (บริเวณหลังลาน Emer)  
GPS. Coordinate : UTM 47P 0719673 E, 1450455 N  
Measured Date : September 19-20, 2024  
Measured Instrument : Sound Level Meter ACO Model 6226 Serial Number 200029

Interval Time	Noise Level (dBA)		
	Leq	Lmax	L90
03:00 p.m. – 04:00 p.m.	53.3	90.2	44.9
04:00 p.m. – 05:00 p.m.	51.7	73.6	44.1
05:00 p.m. – 06:00 p.m.	51.6	74.4	45.0
06:00 p.m. – 07:00 p.m.	53.8	73.9	46.7
07:00 p.m. – 08:00 p.m.	53.4	62.3	49.2
08:00 p.m. – 09:00 p.m.	51.2	70.3	49.4
09:00 p.m. – 10:00 p.m.	50.7	61.1	48.7
10:00 p.m. – 11:00 p.m.	50.9	63.6	48.5
11:00 p.m. – 00:00 p.m.	49.5	70.7	47.3
00:00 p.m. – 01:00 a.m.	48.2	63.0	46.7
01:00 a.m. – 02:00 a.m.	48.5	67.4	46.9
02:00 a.m. – 03:00 a.m.	47.7	62.2	46.5
03:00 a.m. – 04:00 a.m.	49.0	68.6	46.5
04:00 a.m. – 05:00 a.m.	49.6	68.9	46.3
05:00 a.m. – 06:00 a.m.	50.4	70.2	46.5
06:00 a.m. – 07:00 a.m.	52.0	73.2	47.6
07:00 a.m. – 08:00 a.m.	49.2	66.9	47.5
08:00 a.m. – 09:00 a.m.	59.1	69.4	56.7
09:00 a.m. – 10:00 a.m.	58.2	73.6	56.1
10:00 a.m. – 11:00 a.m.	52.7	75.6	46.1
11:00 a.m. – 12:00 a.m.	47.8	66.8	44.5
12:00 a.m. – 01:00 p.m.	49.3	70.1	42.9
01:00 p.m. – 02:00 p.m.	51.4	69.2	44.3
02:00 p.m. – 03:00 p.m.	49.8	69.2	44.7
24 Hours Measured	52.4	90.2	49.0
Standard <sup>V</sup>	≤70	≤115	-
Evaluation	pass	pass	-
Ldn	56.8	-	-

Remark : 1. <sup>V</sup> Notification of Ministry of Industry on the Prescription of the Values of Annoyance Sound Level and the sound Level caused by Engaging in a Factory Business B.E. 2548 (Dated 27 December B.E. 2548)

PACIFIC LABORATORY CO., LTD.  
Lab. Supervisor

# ANALYSIS REPORT

Analysis No. : NH 190/2567  
Job No. : PCL 1118/67  
Report Date : September 27, 2024

Customer Name : บริษัท โอจี พอร์จ (ไทยแลนด์) จำกัด  
Address : เลขที่ 150/68 หมู่ที่ 9 นิคมอุตสาหกรรมปิ่นทอง 2 ตำบลหนองขาม อำเภอศรีราชา จังหวัดชลบุรี 20110  
Sampling Source : Community Noise  
Sampling Location : ทิศใต้ (บริเวณหลังลาน Emer)  
GPS. Coordinate : UTM 47P 0719673 E, 1450455 N  
Measured Date : September 20-21, 2024  
Measured Instrument : Sound Level Meter ACO Model 6226 Serial Number 200029

Interval Time	Noise Level (dBA)		
	Leq	Lmax	L90
03:00 p.m. – 04:00 p.m.	51.1	78.5	45.8
04:00 p.m. – 05:00 p.m.	47.8	65.9	45.0
05:00 p.m. – 06:00 p.m.	48.3	72.2	45.2
06:00 p.m. – 07:00 p.m.	48.1	61.6	46.1
07:00 p.m. – 08:00 p.m.	50.1	59.7	48.7
08:00 p.m. – 09:00 p.m.	55.7	71.6	52.5
09:00 p.m. – 10:00 p.m.	55.6	68.5	54.3
10:00 p.m. – 11:00 p.m.	55.9	64.7	54.9
11:00 p.m. – 00:00 p.m.	59.4	73.0	56.3
00:00 p.m. – 01:00 a.m.	54.2	64.1	53.0
01:00 a.m. – 02:00 a.m.	52.7	68.6	50.5
02:00 a.m. – 03:00 a.m.	55.0	67.7	52.9
03:00 a.m. – 04:00 a.m.	55.3	67.7	52.5
04:00 a.m. – 05:00 a.m.	52.5	64.4	48.0
05:00 a.m. – 06:00 a.m.	49.7	62.0	47.6
06:00 a.m. – 07:00 a.m.	50.1	65.4	48.3
07:00 a.m. – 08:00 a.m.	49.5	74.1	47.1
08:00 a.m. – 09:00 a.m.	47.2	65.2	44.4
09:00 a.m. – 10:00 a.m.	45.6	67.4	43.1
10:00 a.m. – 11:00 a.m.	47.4	74.2	43.6
11:00 a.m. – 12:00 a.m.	48.7	76.3	44.4
12:00 a.m. – 01:00 p.m.	46.8	80.8	41.8
01:00 p.m. – 02:00 p.m.	46.2	64.7	43.4
02:00 p.m. – 03:00 p.m.	46.3	69.9	43.8
24 Hours Measured	52.6	80.8	50.1
Standard <sup>1/</sup>	≤70	≤115	-
Evaluation	pass	pass	-
Ldn	61.2	-	-

Remark : 1. <sup>1/</sup> Notification of Ministry of Industry on the Prescription of the Values of Annoyance Sound Level and the sound Level caused by Engaging in a Factory Business B.E. 2548 (Dated 27 December B.E. 2548)

PACIFIC LABORATORY  
Lab. Supervisor

## ANALYSIS REPORT

Analysis No. : NH 190/2567  
Job No. : PCL 1118/67  
Report Date : September 27, 2024

Customer Name : บริษัท โอจี พอร์จ (ไทยแลนด์) จำกัด  
Address : เลขที่ 150/68 หมู่ที่ 9 นิคมอุตสาหกรรมปิ่นทอง 2 ตำบลหนองขาม อำเภอศรีราชา จังหวัดชลบุรี 20110  
Sampling Source : Community Noise  
Sampling Location : ทิศใต้ (บริเวณหลังลาน Emer)  
GPS. Coordinate : UTM 47P 0719673 E, 1450455 N  
Measured Date : September 21-22, 2024  
Measured Instrument : Sound Level Meter ACO Model 6226 Serial Number 200029

Interval Time	Noise Level (dBA)		
	Leq	Lmax	L90
03:00 p.m. – 04:00 p.m.	46.1	65.0	44.0
04:00 p.m. – 05:00 p.m.	45.7	70.3	43.5
05:00 p.m. – 06:00 p.m.	47.4	68.4	44.6
06:00 p.m. – 07:00 p.m.	46.8	67.4	44.7
07:00 p.m. – 08:00 p.m.	47.0	65.1	44.8
08:00 p.m. – 09:00 p.m.	47.6	64.3	45.4
09:00 p.m. – 10:00 p.m.	49.5	65.2	48.0
10:00 p.m. – 11:00 p.m.	47.3	61.3	45.3
11:00 p.m. – 00:00 p.m.	50.3	71.8	47.0
00:00 p.m. – 01:00 a.m.	48.6	67.5	46.4
01:00 a.m. – 02:00 a.m.	47.3	62.8	45.7
02:00 a.m. – 03:00 a.m.	48.7	62.8	46.8
03:00 a.m. – 04:00 a.m.	53.9	67.9	52.7
04:00 a.m. – 05:00 a.m.	52.4	63.4	51.4
05:00 a.m. – 06:00 a.m.	50.5	66.9	48.9
06:00 a.m. – 07:00 a.m.	49.9	59.9	48.4
07:00 a.m. – 08:00 a.m.	49.9	66.6	48.4
08:00 a.m. – 09:00 a.m.	48.7	63.4	47.3
09:00 a.m. – 10:00 a.m.	48.2	59.3	46.9
10:00 a.m. – 11:00 a.m.	48.5	59.9	47.1
11:00 a.m. – 12:00 a.m.	47.5	59.6	46.4
12:00 a.m. – 01:00 p.m.	45.3	66.6	43.1
01:00 p.m. – 02:00 p.m.	47.4	62.7	44.8
02:00 p.m. – 03:00 p.m.	48.1	65.5	45.9
24 Hours Measured	49.0	71.8	47.2
Standard <sup>1/</sup>	≤70	≤115	-
Evaluation	pass	pass	-
Ldn	56.5	-	-

Remark : 1. <sup>1/</sup> Notification of Ministry of Industry on the Prescription of the Values of Annoyance Sound Level and the sound Level caused by Engaging in a Factory Business B.E. 2548 (Dated 27 December B.E. 2548)

PACIFIC LABORATORY CO., LTD.  
Lab. Supervisor

## ANALYSIS REPORT

Analysis No. : NH 190/2567  
Job No. : PCL 1118/67  
Report Date : September 27, 2024

Customer Name : บริษัท โอจี พอร์จ (ไทยแลนด์) จำกัด  
Address : เลขที่ 150/68 หมู่ที่ 9 นิคมอุตสาหกรรมปิ่นทอง 2 ตำบลหนองขาม อำเภอศรีราชา จังหวัดชลบุรี 20110  
Sampling Source : Community Noise  
Sampling Location : ทิศใต้ (บริเวณหลังลาน Emer)  
GPS. Coordinate : UTM 47P 0719673 E, 1450455 N  
Measured Date : September 22-23, 2024  
Measured Instrument : Sound Level Meter ACO Model 6226 Serial Number 200029

Interval Time	Noise Level (dBA)		
	Leq	Lmax	L90
03:00 p.m. - 04:00 p.m.	50.6	71.8	47.4
04:00 p.m. - 05:00 p.m.	47.7	62.8	45.8
05:00 p.m. - 06:00 p.m.	48.0	62.8	46.5
06:00 p.m. - 07:00 p.m.	52.2	59.5	50.8
07:00 p.m. - 08:00 p.m.	53.5	67.9	52.5
08:00 p.m. - 09:00 p.m.	51.3	66.9	49.8
09:00 p.m. - 10:00 p.m.	49.7	65.2	48.2
10:00 p.m. - 11:00 p.m.	50.2	66.6	48.6
11:00 p.m. - 00:00 p.m.	49.6	63.4	48.1
00:00 p.m. - 01:00 a.m.	47.4	55.0	46.5
01:00 a.m. - 02:00 a.m.	48.9	59.3	47.4
02:00 a.m. - 03:00 a.m.	47.8	59.9	46.5
03:00 a.m. - 04:00 a.m.	47.2	56.2	46.2
04:00 a.m. - 05:00 a.m.	47.9	57.3	46.4
05:00 a.m. - 06:00 a.m.	47.7	70.0	45.9
06:00 a.m. - 07:00 a.m.	51.0	71.5	48.5
07:00 a.m. - 08:00 a.m.	50.9	72.9	48.5
08:00 a.m. - 09:00 a.m.	48.1	64.1	46.2
09:00 a.m. - 10:00 a.m.	52.8	72.9	45.9
10:00 a.m. - 11:00 a.m.	47.7	69.6	45.5
11:00 a.m. - 12:00 a.m.	48.8	69.6	45.9
12:00 a.m. - 01:00 p.m.	52.3	72.9	45.6
01:00 p.m. - 02:00 p.m.	48.9	68.9	45.7
02:00 p.m. - 03:00 p.m.	49.0	72.9	46.7
24 Hours Measured	50.0	72.9	47.7
Standard <sup>1/</sup>	≤70	≤115	-
Evaluation	pass	pass	-
Ldn	55.4	-	-

Remark : 1. <sup>1/</sup> Notification of Ministry of Industry on the Prescription of the Values of Annoyance Sound Level and the sound Level caused by Engaging in a Factory Business B.E. 2548 (Dated 27 December B.E. 2548)



Lab. Supervisor

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## ANALYSIS REPORT

Analysis No. : NH 190/2567  
Job No. : PCL 1118/67  
Report Date : September 27, 2024

Customer Name : บริษัท โอจี ฟอรัจ (ไทยแลนด์) จำกัด  
Address : เลขที่ 150/68 หมู่ที่ 9 นิคมอุตสาหกรรมปิ่นทอง 2 ตำบลหนองขาม อำเภอสรรีราชฯ จังหวัดชลบุรี 20110  
Sampling Source : Community Noise  
Sampling Location : ที่สาธารณะ (บริเวณสนามฟุตบอล)  
GPS. Coordinate : UTM 47P 0719886 E, 1450706 N  
Measured Date : September 16-17, 2024  
Measured Instrument : Sound Level Meter ACO Model 6226 Serial Number 200032

Interval Time	Noise Level (dBA)		
	Leq	Lmax	L90
03:00 p.m. – 04:00 p.m.	62.6	75.0	58.0
04:00 p.m. – 05:00 p.m.	59.4	74.1	55.9
05:00 p.m. – 06:00 p.m.	59.1	69.4	53.1
06:00 p.m. – 07:00 p.m.	59.1	69.2	56.2
07:00 p.m. – 08:00 p.m.	61.0	69.6	59.3
08:00 p.m. – 09:00 p.m.	47.3	66.2	43.2
09:00 p.m. – 10:00 p.m.	54.3	67.3	50.1
10:00 p.m. – 11:00 p.m.	52.4	70.8	49.4
11:00 p.m. – 00:00 p.m.	52.1	68.0	48.8
00:00 p.m. – 01:00 a.m.	48.1	58.1	46.1
01:00 a.m. – 02:00 a.m.	49.9	65.6	47.0
02:00 a.m. – 03:00 a.m.	51.7	65.5	47.4
03:00 a.m. – 04:00 a.m.	51.7	66.8	47.6
04:00 a.m. – 05:00 a.m.	49.4	63.8	45.8
05:00 a.m. – 06:00 a.m.	47.2	57.4	45.1
06:00 a.m. – 07:00 a.m.	47.4	60.3	45.1
07:00 a.m. – 08:00 a.m.	49.3	62.0	47.2
08:00 a.m. – 09:00 a.m.	53.2	71.3	50.4
09:00 a.m. – 10:00 a.m.	55.2	73.2	51.7
10:00 a.m. – 11:00 a.m.	56.2	72.1	51.8
11:00 a.m. – 12:00 a.m.	55.0	74.2	51.1
12:00 a.m. – 01:00 p.m.	53.0	72.3	49.8
01:00 p.m. – 02:00 p.m.	55.9	70.1	51.5
02:00 p.m. – 03:00 p.m.	57.0	69.8	52.5
24 Hours Measured	55.9	75.0	52.3
Standard <sup>1/</sup>	≤70	≤115	-
Evaluation	pass	pass	-
Ldn	59.2	-	-

Remark : 1. <sup>1/</sup> Notification of Ministry of Industry on the Prescription of the Values of Annoyance Sound Level and the sound Level caused by Engaging in a Factory Business B.E. 2548 (Dated 27 December B.E. 2548)

PACIFIC LABORATORY CO., LTD.  
[Signature]  
Lab. Supervisor

# ANALYSIS REPORT

Analysis No. : NH 190/2567  
Job No. : PCL 1118/67  
Report Date : September 27, 2024

Customer Name : บริษัท โอจี พอร์จ (ไทยแลนด์) จำกัด  
Address : เลขที่ 150/68 หมู่ที่ 9 นิคมอุตสาหกรรมบึงทอง 2 ตำบลหนองขาม อำเภอศรีราชา จังหวัดชลบุรี 20110  
Sampling Source : Community Noise  
Sampling Location : ทิศตะวันออก (บริเวณสนามฟุตบอล)  
GPS. Coordinate : UTM 47P 0719886 E, 1450706 N  
Measured Date : September 17-18, 2024  
Measured Instrument : Sound Level Meter ACO Model 6226 Serial Number 200032

Interval Time	Noise Level (dBA)		
	Leq	Lmax	L90
03:00 p.m. – 04:00 p.m.	60.6	73.1	56.8
04:00 p.m. – 05:00 p.m.	59.2	73.2	55.8
05:00 p.m. – 06:00 p.m.	57.8	84.2	54.4
06:00 p.m. – 07:00 p.m.	58.4	73.1	55.9
07:00 p.m. – 08:00 p.m.	58.6	84.1	55.7
08:00 p.m. – 09:00 p.m.	59.6	75.1	56.9
09:00 p.m. – 10:00 p.m.	60.2	69.9	57.7
10:00 p.m. – 11:00 p.m.	61.7	73.8	58.7
11:00 p.m. – 00:00 p.m.	60.7	79.6	57.2
00:00 p.m. – 01:00 a.m.	64.4	89.7	55.8
01:00 a.m. – 02:00 a.m.	62.7	76.0	58.3
02:00 a.m. – 03:00 a.m.	63.9	76.9	60.1
03:00 a.m. – 04:00 a.m.	63.5	74.9	59.5
04:00 a.m. – 05:00 a.m.	61.7	73.9	58.6
05:00 a.m. – 06:00 a.m.	60.6	71.9	58.0
06:00 a.m. – 07:00 a.m.	60.5	77.2	57.0
07:00 a.m. – 08:00 a.m.	58.7	73.6	55.6
08:00 a.m. – 09:00 a.m.	61.8	77.1	57.3
09:00 a.m. – 10:00 a.m.	61.3	73.7	57.9
10:00 a.m. – 11:00 a.m.	59.9	72.4	57.2
11:00 a.m. – 12:00 a.m.	59.7	81.6	56.3
12:00 a.m. – 01:00 p.m.	57.8	77.5	54.2
01:00 p.m. – 02:00 p.m.	60.1	75.9	57.2
02:00 p.m. – 03:00 p.m.	59.8	79.5	57.0
24 Hours Measured	60.9	89.7	57.3
Standard <sup>1/</sup>	≤70	≤115	-
Evaluation	pass	pass	-
Ldn	68.5	-	-

Remark : 1. <sup>1/</sup> Notification of Ministry of Industry on the Prescription of the Values of Annoyance Sound Level and the sound Level caused by Engaging in a Factory Business B.E. 2548 (Dated 27 December B.E. 2548)



## ANALYSIS REPORT

Analysis No. : NH 190/2567  
Job No. : PCL 1118/67  
Report Date : September 27, 2024

Customer Name : บริษัท โอจี พอร์จ (ไทยแลนด์) จำกัด  
Address : เลขที่ 150/68 หมู่ที่ 9 นิคมอุตสาหกรรมปิ่นทอง 2 ตำบลหนองขาม อำเภอศรีราชา จังหวัดชลบุรี 20110  
Sampling Source : Community Noise  
Sampling Location : ทิศตะวันออก (บริเวณสนามฟุตบอล)  
GPS. Coordinate : UTM 47P 0719886 E, 1450706 N  
Measured Date : September 18-19, 2024  
Measured Instrument : Sound Level Meter ACO Model 6226 Serial Number 200032

Interval Time	Noise Level (dBA)		
	Leq	Lmax	L90
03:00 p.m. – 04:00 p.m.	60.2	75.5	56.5
04:00 p.m. – 05:00 p.m.	59.6	75.6	55.9
05:00 p.m. – 06:00 p.m.	58.7	75.1	54.8
06:00 p.m. – 07:00 p.m.	59.3	70.7	55.9
07:00 p.m. – 08:00 p.m.	60.2	72.4	57.2
08:00 p.m. – 09:00 p.m.	60.1	73.4	57.4
09:00 p.m. – 10:00 p.m.	61.6	83.2	56.7
10:00 p.m. – 11:00 p.m.	60.1	75.8	56.9
11:00 p.m. – 00:00 p.m.	61.4	80.4	57.4
00:00 p.m. – 01:00 a.m.	57.1	72.1	54.9
01:00 a.m. – 02:00 a.m.	63.0	77.6	58.3
02:00 a.m. – 03:00 a.m.	62.9	74.4	58.5
03:00 a.m. – 04:00 a.m.	63.3	75.8	58.8
04:00 a.m. – 05:00 a.m.	60.8	73.4	57.2
05:00 a.m. – 06:00 a.m.	59.6	73.8	56.1
06:00 a.m. – 07:00 a.m.	59.6	72.4	55.9
07:00 a.m. – 08:00 a.m.	57.3	70.9	54.7
08:00 a.m. – 09:00 a.m.	58.9	74.1	55.5
09:00 a.m. – 10:00 a.m.	61.9	74.7	57.5
10:00 a.m. – 11:00 a.m.	60.5	72.4	57.2
11:00 a.m. – 12:00 a.m.	59.1	77.5	56.0
12:00 a.m. – 01:00 p.m.	57.8	74.2	55.0
01:00 p.m. – 02:00 p.m.	60.4	81.2	57.0
02:00 p.m. – 03:00 p.m.	60.4	80.1	57.6
24 Hours Measured	60.5	83.2	56.8
Standard <sup>1/</sup>	≤70	≤115	-
Evaluation	pass	pass	-
Ldn	67.7	-	-

Remark : 1. <sup>1/</sup> Notification of Ministry of Industry on the Prescription of the Values of Annoyance Sound Level and the sound Level caused by Engaging in a Factory Business B.E. 2548 (Dated 27 December B.E. 2548)

LABORATORY CO., LTD.  
[Signature]  
Lab. Supervisor

## ANALYSIS REPORT

Analysis No. : NH 190/2567  
Job No. : PCL 1118/67  
Report Date : September 27, 2024

Customer Name : บริษัท ไอจี พอร์จ (ไทยแลนด์) จำกัด  
Address : เลขที่ 150/68 หมู่ที่ 9 นิคมอุตสาหกรรมปิ่นทอง 2 ตำบลหนองขาม อำเภอศรีราชา จังหวัดชลบุรี 20110  
Sampling Source : Community Noise  
Sampling Location : ทิศตะวันออก (บริเวณสนามฟุตบอล)  
GPS. Coordinate : UTM 47P 0719886 E, 1450706 N  
Measured Date : September 19-20, 2024  
Measured Instrument : Sound Level Meter ACO Model 6226 Serial Number 200032

Interval Time	Noise Level (dBA)		
	Leq	Lmax	L90
03:00 p.m. – 04:00 p.m.	60.6	77.1	57.6
04:00 p.m. – 05:00 p.m.	58.7	75.2	56.1
05:00 p.m. – 06:00 p.m.	58.5	72.7	54.7
06:00 p.m. – 07:00 p.m.	58.6	71.4	54.4
07:00 p.m. – 08:00 p.m.	58.9	69.8	56.6
08:00 p.m. – 09:00 p.m.	60.3	69.9	57.9
09:00 p.m. – 10:00 p.m.	60.8	79.1	57.9
10:00 p.m. – 11:00 p.m.	60.6	77.0	57.7
11:00 p.m. – 00:00 p.m.	61.7	74.1	58.1
00:00 p.m. – 01:00 a.m.	57.8	71.2	56.1
01:00 a.m. – 02:00 a.m.	63.1	73.9	58.9
02:00 a.m. – 03:00 a.m.	62.8	75.8	58.6
03:00 a.m. – 04:00 a.m.	62.6	74.4	57.9
04:00 a.m. – 05:00 a.m.	59.2	73.3	56.2
05:00 a.m. – 06:00 a.m.	58.9	71.2	56.0
06:00 a.m. – 07:00 a.m.	59.4	74.6	56.1
07:00 a.m. – 08:00 a.m.	57.6	70.3	54.8
08:00 a.m. – 09:00 a.m.	64.5	77.4	61.8
09:00 a.m. – 10:00 a.m.	64.6	75.0	62.0
10:00 a.m. – 11:00 a.m.	62.5	81.1	57.8
11:00 a.m. – 12:00 a.m.	60.4	87.1	56.0
12:00 a.m. – 01:00 p.m.	58.2	80.8	54.7
01:00 p.m. – 02:00 p.m.	60.2	74.9	56.8
02:00 p.m. – 03:00 p.m.	61.5	77.1	57.9
24 Hours Measured	61.0	87.1	57.7
Standard <sup>1/</sup>	≤70	≤115	-
Evaluation	pass	pass	-
Ldn	67.5	-	-

Remark : 1. <sup>1/</sup> Notification of Ministry of Industry on the Prescription of the Values of Annoyance Sound Level and the sound Level caused by Engaging in a Factory Business B.E. 2548 (Dated 27 December B.E. 2548)

  
Lab. Supervisor

## ANALYSIS REPORT

Analysis No. : NH 190/2567  
Job No. : PCL 1118/67  
Report Date : September 27, 2024

Customer Name : บริษัท โอจี ฟอรัจ (ไทยแลนด์) จำกัด  
Address : เลขที่ 150/68 หมู่ที่ 9 นิคมอุตสาหกรรมปิ่นทอง 2 ตำบลหนองขาม อำเภอศรีราชา จังหวัดชลบุรี 20110  
Sampling Source : Community Noise  
Sampling Location : ทิศตะวันออก (บริเวณสนามฟุตบอล)  
GPS. Coordinate : UTM 47P 0719886 E, 1450706 N  
Measured Date : September 20-21, 2024  
Measured Instrument : Sound Level Meter ACO Model 6226 Serial Number 200032

Interval Time	Noise Level (dBA)		
	Leq	Lmax	L90
03:00 p.m. – 04:00 p.m.	63.1	75.3	59.7
04:00 p.m. – 05:00 p.m.	58.5	81.3	55.0
05:00 p.m. – 06:00 p.m.	55.7	67.9	53.8
06:00 p.m. – 07:00 p.m.	56.1	68.5	54.4
07:00 p.m. – 08:00 p.m.	58.6	68.2	56.9
08:00 p.m. – 09:00 p.m.	61.9	85.5	58.1
09:00 p.m. – 10:00 p.m.	62.2	75.4	58.8
10:00 p.m. – 11:00 p.m.	63.8	74.6	59.6
11:00 p.m. – 00:00 p.m.	65.5	91.9	60.5
00:00 p.m. – 01:00 a.m.	59.3	69.4	57.0
01:00 a.m. – 02:00 a.m.	63.6	76.5	59.7
02:00 a.m. – 03:00 a.m.	63.6	78.4	59.5
03:00 a.m. – 04:00 a.m.	62.2	76.0	58.4
04:00 a.m. – 05:00 a.m.	58.7	80.5	55.9
05:00 a.m. – 06:00 a.m.	57.3	68.7	55.4
06:00 a.m. – 07:00 a.m.	56.0	68.7	53.9
07:00 a.m. – 08:00 a.m.	55.6	69.2	53.6
08:00 a.m. – 09:00 a.m.	57.0	74.8	53.6
09:00 a.m. – 10:00 a.m.	58.9	71.5	55.5
10:00 a.m. – 11:00 a.m.	57.4	69.5	54.1
11:00 a.m. – 12:00 a.m.	56.7	70.2	53.4
12:00 a.m. – 01:00 p.m.	56.3	72.7	53.0
01:00 p.m. – 02:00 p.m.	56.6	69.0	53.2
02:00 p.m. – 03:00 p.m.	56.7	69.5	53.3
24 Hours Measured	60.4	91.9	56.8
Standard <sup>1/</sup>	≤70	≤115	-
Evaluation	pass	pass	-
Ldn	68.5	-	-

Remark : 1. <sup>1/</sup> Notification of Ministry of Industry on the Prescription of the Values of Annoyance Sound Level and the sound Level caused by Engaging in a Factory Business B.E. 2548 (Dated 27 December B.E. 2548)

LABORATORY

Lab. Supervisor

## ANALYSIS REPORT

Analysis No. : NH 190/2567  
Job No. : PCL 1118/67  
Report Date : September 27, 2024

Customer Name : บริษัท โอจี พอร์จ (ไทยแลนด์) จำกัด  
Address : เลขที่ 150/68 หมู่ที่ 9 นิคมอุตสาหกรรมปิ่นทอง 2 ตำบลหนองขาม อำเภอศรีราชา จังหวัดชลบุรี 20110  
Sampling Source : Community Noise  
Sampling Location : ทิศตะวันออก (บริเวณสนามฟุตบอล)  
GPS. Coordinate : UTM 47P 0719886 E, 1450706 N  
Measured Date : September 21-22, 2024  
Measured Instrument : Sound Level Meter ACO Model 6226 Serial Number 200032

Interval Time	Noise Level (dBA)		
	Leq	Lmax	L90
03:00 p.m. – 04:00 p.m.	56.9	69.3	53.5
04:00 p.m. – 05:00 p.m.	56.7	68.7	53.2
05:00 p.m. – 06:00 p.m.	56.2	68.8	53.1
06:00 p.m. – 07:00 p.m.	59.8	69.0	57.3
07:00 p.m. – 08:00 p.m.	65.8	71.4	63.6
08:00 p.m. – 09:00 p.m.	66.2	71.8	63.7
09:00 p.m. – 10:00 p.m.	62.8	73.3	58.8
10:00 p.m. – 11:00 p.m.	59.2	69.0	56.7
11:00 p.m. – 00:00 p.m.	56.9	72.6	54.9
00:00 p.m. – 01:00 a.m.	58.5	69.9	54.9
01:00 a.m. – 02:00 a.m.	61.8	70.9	58.2
02:00 a.m. – 03:00 a.m.	58.6	68.3	55.0
03:00 a.m. – 04:00 a.m.	59.2	68.5	56.2
04:00 a.m. – 05:00 a.m.	58.1	68.3	55.8
05:00 a.m. – 06:00 a.m.	59.0	79.9	56.2
06:00 a.m. – 07:00 a.m.	60.7	72.3	55.0
07:00 a.m. – 08:00 a.m.	56.8	72.6	53.9
08:00 a.m. – 09:00 a.m.	56.7	69.3	53.5
09:00 a.m. – 10:00 a.m.	58.1	68.6	54.6
10:00 a.m. – 11:00 a.m.	57.3	69.4	54.9
11:00 a.m. – 12:00 a.m.	57.9	75.3	55.3
12:00 a.m. – 01:00 p.m.	56.5	71.0	53.3
01:00 p.m. – 02:00 p.m.	56.2	70.8	54.1
02:00 p.m. – 03:00 p.m.	54.9	72.9	53.0
24 Hours Measured	60.0	79.9	57.1
Standard <sup>1/</sup>	≤70	≤115	-
Evaluation	pass	pass	-
Ldn	66.2	-	-

Remark : 1. <sup>1/</sup> Notification of Ministry of Industry on the Prescription of the Values of Annoyance Sound Level and the sound Level caused by Engaging in a Factory Business B.E. 2548 (Dated 27 December B.E. 2548)



Lab. Supervisor

## ANALYSIS REPORT

Analysis No. : NH 190/2567  
Job No. : PCL 1118/67  
Report Date : September 27, 2024

Customer Name : บริษัท ไอจี พอร์จ (ไทยแลนด์) จำกัด  
Address : เลขที่ 150/68 หมู่ที่ 9 นิคมอุตสาหกรรมปิ่นทอง 2 ตำบลหนองขาม อำเภอศรีราชา จังหวัดชลบุรี 20110  
Sampling Source : Community Noise  
Sampling Location : ที่สาธารณะ (บริเวณสนามฟุตบอล)  
GPS. Coordinate : UTM 47P 0719886 E, 1450706 N  
Measured Date : September 22-23, 2024  
Measured Instrument : Sound Level Meter ACO Model 6226 Serial Number 200032

Interval Time	Noise Level (dBA)		
	Leq	Lmax	L90
03:00 p.m. – 04:00 p.m.	55.3	72.6	52.9
04:00 p.m. – 05:00 p.m.	53.7	65.8	51.7
05:00 p.m. – 06:00 p.m.	53.2	63.0	51.8
06:00 p.m. – 07:00 p.m.	54.6	69.6	52.8
07:00 p.m. – 08:00 p.m.	59.3	69.0	58.0
08:00 p.m. – 09:00 p.m.	58.7	70.6	57.0
09:00 p.m. – 10:00 p.m.	56.7	68.4	55.3
10:00 p.m. – 11:00 p.m.	58.4	68.4	56.6
11:00 p.m. – 00:00 p.m.	58.5	68.3	56.1
00:00 p.m. – 01:00 a.m.	54.2	61.0	53.2
01:00 a.m. – 02:00 a.m.	55.2	69.7	53.4
02:00 a.m. – 03:00 a.m.	57.7	70.1	55.3
03:00 a.m. – 04:00 a.m.	57.3	62.2	55.2
04:00 a.m. – 05:00 a.m.	63.6	73.3	55.8
05:00 a.m. – 06:00 a.m.	57.8	65.9	55.9
06:00 a.m. – 07:00 a.m.	55.7	76.1	54.0
07:00 a.m. – 08:00 a.m.	54.3	68.9	52.8
08:00 a.m. – 09:00 a.m.	58.3	77.5	55.0
09:00 a.m. – 10:00 a.m.	60.9	77.4	57.2
10:00 a.m. – 11:00 a.m.	61.9	76.6	57.6
11:00 a.m. – 12:00 a.m.	59.7	76.8	56.4
12:00 a.m. – 01:00 p.m.	61.7	77.4	57.4
01:00 p.m. – 02:00 p.m.	60.0	76.5	56.7
02:00 p.m. – 03:00 p.m.	61.9	77.5	56.4
24 Hours Measured	58.8	77.5	55.6
Standard <sup>1/</sup>	≤70	≤115	-
Evaluation	pass	pass	-
Ldn	65.0	-	-

Remark : 1. <sup>1/</sup> Notification of Ministry of Industry on the Prescription of the Values of Annoyance Sound Level and the sound Level caused by Engaging in a Factory Business B.E. 2548 (Dated 27 December B.E. 2548)

  
Lab. Supervisor

# ANALYSIS REPORT

Analysis No. : NH 190/2567  
Job No. : PCL 1118/67  
Report Date : September 27, 2024

Customer Name : บริษัท โอจี ฟอรัจ (ไทยแลนด์) จำกัด  
Address : เลขที่ 150/68 หมู่ที่ 9 นิคมอุตสาหกรรมบึงทอง 2 ตำบลหนองขาม อำเภอศรีราชา จังหวัดชลบุรี 20110  
Sampling Source : Community Noise  
Sampling Location : ทิศตะวันตก (บริเวณป้อม รปภ. 1)  
GPS. Coordinate : UTM 47P 0719645 E, 1450639 N  
Measured Date : September 16-17, 2024  
Measured Instrument : Sound Level Meter ACO Model 6226 Serial Number 200046

Interval Time	Noise Level (dBA)		
	Leq	Lmax	L90
02:00 p.m. – 03:00 p.m.	65.7	83.6	60.5
03:00 p.m. – 04:00 p.m.	68.2	92.4	61.9
04:00 p.m. – 05:00 p.m.	66.6	90.3	60.4
05:00 p.m. – 06:00 p.m.	64.2	93.2	55.4
06:00 p.m. – 07:00 p.m.	64.2	92.8	55.0
07:00 p.m. – 08:00 p.m.	62.1	82.4	54.1
08:00 p.m. – 09:00 p.m.	62.2	81.5	56.6
09:00 p.m. – 10:00 p.m.	58.8	79.8	54.8
10:00 p.m. – 11:00 p.m.	58.1	75.1	54.9
11:00 p.m. – 00:00 p.m.	56.7	74.4	53.7
00:00 p.m. – 01:00 a.m.	57.4	85.9	50.3
01:00 a.m. – 02:00 a.m.	57.4	76.1	54.9
02:00 a.m. – 03:00 a.m.	56.9	77.1	53.4
03:00 a.m. – 04:00 a.m.	56.6	72.4	54.1
04:00 a.m. – 05:00 a.m.	57.2	84.2	51.7
05:00 a.m. – 06:00 a.m.	56.9	81.0	49.6
06:00 a.m. – 07:00 a.m.	59.2	80.6	53.0
07:00 a.m. – 08:00 a.m.	65.5	92.7	58.0
08:00 a.m. – 09:00 a.m.	61.2	87.3	55.3
09:00 a.m. – 10:00 a.m.	59.4	80.9	55.1
10:00 a.m. – 11:00 a.m.	60.9	87.9	54.8
11:00 a.m. – 12:00 a.m.	58.2	89.2	52.7
12:00 a.m. – 01:00 p.m.	59.8	82.1	55.4
01:00 p.m. – 02:00 p.m.	59.2	83.0	55.9
24 Hours Measured	62.1	93.2	56.1
Standard <sup>1/</sup>	≤70	≤115	-
Evaluation	pass	pass	-
Ldn	65.4	-	-

Remark : 1. <sup>1/</sup> Notification of Ministry of Industry on the Prescription of the Values of Annoyance Sound Level and the sound Level caused by Engaging in a Factory Business B.E. 2548 (Dated 27 December B.E. 2548)

  
Lab. Supervisor

## ANALYSIS REPORT

Analysis No. : NH 190/2567  
Job No. : PCL 1118/67  
Report Date : September 27, 2024

Customer Name : บริษัท โอจี ฟอรัจ (ไทยแลนด์) จำกัด  
Address : เลขที่ 150/68 หมู่ที่ 9 นิคมอุตสาหกรรมปิ่นทอง 2 ตำบลหนองขาม อำเภอศรีราชา จังหวัดชลบุรี 20110  
Sampling Source : Community Noise  
Sampling Location : ทิศตะวันตก (บริเวณป้อม รปภ. 1)  
GPS. Coordinate : UTM 47P 0719645 E, 1450639 N  
Measured Date : September 17-18, 2024  
Measured Instrument : Sound Level Meter ACO Model 6226 Serial Number 200046

Interval Time	Noise Level (dBA)		
	Leq	Lmax	L90
02:00 p.m. - 03:00 p.m.	60.9	80.8	56.3
03:00 p.m. - 04:00 p.m.	59.8	80.8	54.9
04:00 p.m. - 05:00 p.m.	60.0	90.0	53.9
05:00 p.m. - 06:00 p.m.	61.5	86.6	53.4
06:00 p.m. - 07:00 p.m.	59.9	81.2	54.9
07:00 p.m. - 08:00 p.m.	62.9	89.3	54.3
08:00 p.m. - 09:00 p.m.	65.4	91.2	60.8
09:00 p.m. - 10:00 p.m.	66.7	79.0	61.6
10:00 p.m. - 11:00 p.m.	67.3	80.5	62.0
11:00 p.m. - 00:00 p.m.	67.6	90.7	61.7
00:00 p.m. - 01:00 a.m.	68.2	93.7	62.1
01:00 a.m. - 02:00 a.m.	68.1	90.5	62.6
02:00 a.m. - 03:00 a.m.	68.4	92.3	63.0
03:00 a.m. - 04:00 a.m.	68.0	88.0	62.5
04:00 a.m. - 05:00 a.m.	65.2	79.8	59.9
05:00 a.m. - 06:00 a.m.	57.4	81.8	52.1
06:00 a.m. - 07:00 a.m.	60.3	77.6	55.6
07:00 a.m. - 08:00 a.m.	64.6	83.0	58.8
08:00 a.m. - 09:00 a.m.	63.9	84.3	58.5
09:00 a.m. - 10:00 a.m.	61.1	85.5	56.5
10:00 a.m. - 11:00 a.m.	59.2	87.1	53.9
11:00 a.m. - 12:00 a.m.	59.7	76.4	54.7
12:00 a.m. - 01:00 p.m.	59.8	85.7	53.3
01:00 p.m. - 02:00 p.m.	59.4	80.4	56.5
24 Hours Measured	64.5	93.7	59.1
Standard <sup>1/</sup>	≤70	≤115	-
Evaluation	pass	pass	-
Ldn	73.0	-	-

Remark : 1. <sup>1/</sup> Notification of Ministry of Industry on the Prescription of the Values of Annoyance Sound Level and the sound Level caused by Engaging in a Factory Business B.E. 2548 (Dated 27 December B.E. 2548)

PACIFIC LABORATORY CO., LTD.  
Lab. Supervisor

## ANALYSIS REPORT

Analysis No. : NH 190/2567  
Job No. : PCL 1118/67  
Report Date : September 27, 2024

Customer Name : บริษัท โอจี ฟอรัจ (ไทยแลนด์) จำกัด  
Address : เลขที่ 150/68 หมู่ที่ 9 นิคมอุตสาหกรรมปิ่นทอง 2 ตำบลหนองขาม อำเภอศรีราชา จังหวัดชลบุรี 20110  
Sampling Source : Community Noise  
Sampling Location : ทิศตะวันตก (บริเวณปั๊ม รปภ. 1)  
GPS. Coordinate : UTM 47P 0719645 E, 1450639 N  
Measured Date : September 18-19, 2024  
Measured Instrument : Sound Level Meter ACO Model 6226 Serial Number 200046

Interval Time	Noise Level (dBA)		
	Leq	Lmax	L90
02:00 p.m. – 03:00 p.m.	61.8	87.6	57.3
03:00 p.m. – 04:00 p.m.	58.9	80.3	54.7
04:00 p.m. – 05:00 p.m.	60.9	80.5	55.5
05:00 p.m. – 06:00 p.m.	62.7	87.8	55.7
06:00 p.m. – 07:00 p.m.	64.6	85.2	60.4
07:00 p.m. – 08:00 p.m.	66.7	82.2	61.0
08:00 p.m. – 09:00 p.m.	66.8	81.2	61.7
09:00 p.m. – 10:00 p.m.	68.1	80.0	62.9
10:00 p.m. – 11:00 p.m.	68.1	85.2	62.6
11:00 p.m. – 00:00 p.m.	68.3	87.1	62.5
00:00 p.m. – 01:00 a.m.	67.2	79.7	61.2
01:00 a.m. – 02:00 a.m.	67.7	94.1	62.1
02:00 a.m. – 03:00 a.m.	63.9	78.8	58.6
03:00 a.m. – 04:00 a.m.	59.1	75.8	55.0
04:00 a.m. – 05:00 a.m.	60.4	88.8	54.3
05:00 a.m. – 06:00 a.m.	59.0	81.8	51.5
06:00 a.m. – 07:00 a.m.	61.4	83.8	55.8
07:00 a.m. – 08:00 a.m.	66.0	90.0	60.1
08:00 a.m. – 09:00 a.m.	65.5	87.6	59.2
09:00 a.m. – 10:00 a.m.	67.6	83.9	61.9
10:00 a.m. – 11:00 a.m.	67.4	91.3	61.6
11:00 a.m. – 12:00 a.m.	67.7	84.3	62.2
12:00 a.m. – 01:00 p.m.	67.7	85.5	61.4
01:00 p.m. – 02:00 p.m.	68.0	88.3	62.5
24 Hours Measured	65.8	94.1	60.2
Standard <sup>1/</sup>	≤70	≤115	-
Evaluation	pass	pass	-
Ldn	72.4	-	-

Remark : 1. <sup>1/</sup> Notification of Ministry of Industry on the Prescription of the Values of Annoyance Sound Level and the sound Level caused by Engaging in a Factory Business B.E. 2548 (Dated 27 December B.E. 2548)

  
Lab. Supervisor

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REPORT ANALYSIS REFERS TO SUBMITTED SAMPLE (S) ONLY

## ANALYSIS REPORT

Analysis No. : NH 190/2567  
Job No. : PCL 1118/67  
Report Date : September 27, 2024

Customer Name : บริษัท โอจี พอร์จ (ไทยแลนด์) จำกัด  
Address : เลขที่ 150/68 หมู่ที่ 9 นิคมอุตสาหกรรมปิ่นทอง 2 ตำบลหนองขาม อำเภอศรีราชา จังหวัดชลบุรี 20110  
Sampling Source : Community Noise  
Sampling Location : ทิศตะวันตก (บริเวณป้อม รปภ. 1)  
GPS. Coordinate : UTM 47P 0719645 E, 1450639 N  
Measured Date : September 19-20, 2024  
Measured Instrument : Sound Level Meter ACO Model 6226 Serial Number 200046

Interval Time	Noise Level (dBA)		
	Leq	Lmax	L90
02:00 p.m. – 03:00 p.m.	67.9	90.2	62.0
03:00 p.m. – 04:00 p.m.	63.0	85.6	58.0
04:00 p.m. – 05:00 p.m.	62.9	86.2	56.8
05:00 p.m. – 06:00 p.m.	63.1	86.4	57.5
06:00 p.m. – 07:00 p.m.	61.7	83.1	58.5
07:00 p.m. – 08:00 p.m.	62.6	83.5	56.6
08:00 p.m. – 09:00 p.m.	66.5	83.0	61.4
09:00 p.m. – 10:00 p.m.	67.6	79.1	62.3
10:00 p.m. – 11:00 p.m.	67.7	81.6	62.4
11:00 p.m. – 00:00 p.m.	67.6	90.1	62.2
00:00 p.m. – 01:00 a.m.	66.1	80.0	60.7
01:00 a.m. – 02:00 a.m.	66.3	89.6	61.6
02:00 a.m. – 03:00 a.m.	62.1	82.1	58.8
03:00 a.m. – 04:00 a.m.	57.4	78.9	54.8
04:00 a.m. – 05:00 a.m.	57.4	77.8	54.0
05:00 a.m. – 06:00 a.m.	58.9	79.1	53.7
06:00 a.m. – 07:00 a.m.	60.5	81.7	55.7
07:00 a.m. – 08:00 a.m.	65.7	89.1	59.8
08:00 a.m. – 09:00 a.m.	68.2	89.6	64.3
09:00 a.m. – 10:00 a.m.	69.2	85.8	64.6
10:00 a.m. – 11:00 a.m.	68.2	82.2	63.8
11:00 a.m. – 12:00 a.m.	67.3	78.4	63.2
12:00 a.m. – 01:00 p.m.	60.1	84.1	57.3
01:00 p.m. – 02:00 p.m.	61.3	85.2	55.2
24 Hours Measured	65.4	90.2	60.6
Standard <sup>V</sup>	≤70	≤115	-
Evaluation	pass	pass	-
Ldn	71.6	-	-

Remark : 1. <sup>V</sup> Notification of Ministry of Industry on the Prescription of the Values of Annoyance Sound Level and the sound Level caused by Engaging in a Factory Business B.E. 2548 (Dated 27 December B.E. 2548)

PACIFIC LABORATORY CO., LTD.  
Lab. Supervisor

## ANALYSIS REPORT

Analysis No. : NH 190/2567  
Job No. : PCL 1118/67  
Report Date : September 27, 2024

Customer Name : บริษัท ไอจี พอร์จ (ไทยแลนด์) จำกัด  
Address : เลขที่ 150/68 หมู่ที่ 9 นิคมอุตสาหกรรมปิ่นทอง 2 ตำบลหนองขาม อำเภอศรีราชา จังหวัดชลบุรี 20110  
Sampling Source : Community Noise  
Sampling Location : ทิศตะวันตก (บริเวณปั๊มน รถป. 1)  
GPS. Coordinate : UTM 47P 0719645 E, 1450639 N  
Measured Date : September 20-21, 2024  
Measured Instrument : Sound Level Meter ACO Model 6226 Serial Number 200046

Interval Time	Noise Level (dBA)		
	Leq	Lmax	L90
02:00 p.m. – 03:00 p.m.	63.9	87.7	58.4
03:00 p.m. – 04:00 p.m.	67.8	84.8	62.7
04:00 p.m. – 05:00 p.m.	63.9	89.1	57.0
05:00 p.m. – 06:00 p.m.	63.3	87.3	51.9
06:00 p.m. – 07:00 p.m.	62.4	87.8	45.8
07:00 p.m. – 08:00 p.m.	64.0	88.4	50.6
08:00 p.m. – 09:00 p.m.	63.8	82.9	57.6
09:00 p.m. – 10:00 p.m.	63.4	82.5	58.5
10:00 p.m. – 11:00 p.m.	67.5	83.1	62.1
11:00 p.m. – 00:00 p.m.	68.6	85.6	62.8
00:00 p.m. – 01:00 a.m.	63.5	78.6	57.8
01:00 a.m. – 02:00 a.m.	60.3	91.3	55.5
02:00 a.m. – 03:00 a.m.	63.3	91.4	59.9
03:00 a.m. – 04:00 a.m.	67.1	78.7	62.0
04:00 a.m. – 05:00 a.m.	61.7	79.4	60.3
05:00 a.m. – 06:00 a.m.	59.8	86.7	52.8
06:00 a.m. – 07:00 a.m.	57.5	85.1	45.9
07:00 a.m. – 08:00 a.m.	64.5	85.2	54.0
08:00 a.m. – 09:00 a.m.	60.0	86.0	52.1
09:00 a.m. – 10:00 a.m.	66.0	90.7	60.4
10:00 a.m. – 11:00 a.m.	62.2	88.2	53.3
11:00 a.m. – 12:00 a.m.	59.9	85.8	50.4
12:00 a.m. – 01:00 p.m.	56.7	82.2	45.7
01:00 p.m. – 02:00 p.m.	56.3	77.4	51.8
24 Hours Measured	64.0	91.4	58.0
Standard <sup>1/</sup>	≤70	≤115	-
Evaluation	pass	pass	-
Ldn	71.1	-	-

Remark : 1. <sup>1/</sup> Notification of Ministry of Industry on the Prescription of the Values of Annoyance Sound Level and the sound Level caused by Engaging in a Factory Business B.E. 2548 (Dated 27 December B.E. 2548)

  
Lab. Supervisor

# ANALYSIS REPORT

Analysis No. : NH 190/2567  
Job No. : PCL 1118/67  
Report Date : September 27, 2024

Customer Name : บริษัท โอจี ฟอรัจ (ไทยแลนด์) จำกัด  
Address : เลขที่ 150/68 หมู่ที่ 9 นิคมอุตสาหกรรมปิ่นทอง 2 ตำบลหนองขาม อำเภอศรีราชา จังหวัดชลบุรี 20110  
Sampling Source : Community Noise  
Sampling Location : ทิศตะวันตก (บริเวณป้อม รปภ. 1)  
GPS. Coordinate : UTM 47P 0719645 E, 1450639 N  
Measured Date : September 21-22, 2024  
Measured Instrument : Sound Level Meter ACO Model 6226 Serial Number 200046

Interval Time	Noise Level (dBA)		
	Leq	Lmax	L90
02:00 p.m. - 03:00 p.m.	56.9	76.8	52.6
03:00 p.m. - 04:00 p.m.	58.0	78.2	52.7
04:00 p.m. - 05:00 p.m.	58.8	92.9	52.7
05:00 p.m. - 06:00 p.m.	62.3	90.8	51.7
06:00 p.m. - 07:00 p.m.	57.1	79.7	52.7
07:00 p.m. - 08:00 p.m.	61.0	84.2	52.3
08:00 p.m. - 09:00 p.m.	66.1	78.1	61.5
09:00 p.m. - 10:00 p.m.	67.5	80.7	61.9
10:00 p.m. - 11:00 p.m.	67.8	78.1	61.9
11:00 p.m. - 00:00 p.m.	67.5	87.5	61.4
00:00 p.m. - 01:00 a.m.	54.1	73.5	50.4
01:00 a.m. - 02:00 a.m.	67.0	88.0	60.9
02:00 a.m. - 03:00 a.m.	63.9	78.4	59.1
03:00 a.m. - 04:00 a.m.	61.0	87.8	57.6
04:00 a.m. - 05:00 a.m.	66.0	76.9	60.5
05:00 a.m. - 06:00 a.m.	64.2	84.2	56.8
06:00 a.m. - 07:00 a.m.	67.8	82.6	61.5
07:00 a.m. - 08:00 a.m.	67.3	89.2	60.2
08:00 a.m. - 09:00 a.m.	62.0	87.2	53.9
09:00 a.m. - 10:00 a.m.	58.9	81.8	53.8
10:00 a.m. - 11:00 a.m.	65.3	77.2	60.0
11:00 a.m. - 12:00 a.m.	66.0	83.2	59.9
12:00 a.m. - 01:00 p.m.	55.5	74.8	49.3
01:00 p.m. - 02:00 p.m.	66.6	78.6	60.8
24 Hours Measured	64.5	92.9	58.6
Standard <sup>1/</sup>	≤70	≤115	-
Evaluation	pass	pass	-
Ldn	71.8	-	-

Remark : 1. <sup>1/</sup> Notification of Ministry of Industry on the Prescription of the Values of Annoyance Sound Level and the sound Level caused by Engaging in a Factory Business B.E. 2548 (Dated 27 December B.E. 2548)



## ANALYSIS REPORT

Analysis No. : NH 190/2567  
Job No. : PCL 1118/67  
Report Date : September 27, 2024

Customer Name : บริษัท โอจี พอร์จ (ไทยแลนด์) จำกัด  
Address : เลขที่ 150/68 หมู่ที่ 9 นิคมอุตสาหกรรมปิ่นทอง 2 ตำบลหนองขาม อำเภอศรีราชา จังหวัดชลบุรี 20110  
Sampling Source : Community Noise  
Sampling Location : ทิศตะวันตก (บริเวณป้อม รปภ. 1)  
GPS. Coordinate : UTM 47P 0719645 E, 1450639 N  
Measured Date : September 22-23, 2024  
Measured Instrument : Sound Level Meter ACO Model 6226 Serial Number 200046

Interval Time	Noise Level (dBA)		
	Leq	Lmax	L90
02:00 p.m. – 03:00 p.m.	66.9	85.6	61.1
03:00 p.m. – 04:00 p.m.	65.9	84.2	60.5
04:00 p.m. – 05:00 p.m.	58.4	82.3	52.7
05:00 p.m. – 06:00 p.m.	64.2	84.4	57.8
06:00 p.m. – 07:00 p.m.	68.0	82.2	61.5
07:00 p.m. – 08:00 p.m.	65.2	79.1	58.7
08:00 p.m. – 09:00 p.m.	66.7	84.1	60.9
09:00 p.m. – 10:00 p.m.	67.6	88.6	61.0
10:00 p.m. – 11:00 p.m.	67.4	78.2	61.4
11:00 p.m. – 00:00 p.m.	67.2	78.6	60.5
00:00 p.m. – 01:00 a.m.	53.3	72.0	49.5
01:00 a.m. – 02:00 a.m.	66.2	77.0	60.1
02:00 a.m. – 03:00 a.m.	61.5	80.3	56.0
03:00 a.m. – 04:00 a.m.	54.6	76.1	50.6
04:00 a.m. – 05:00 a.m.	62.7	80.5	56.7
05:00 a.m. – 06:00 a.m.	61.2	90.0	55.4
06:00 a.m. – 07:00 a.m.	67.5	87.3	61.7
07:00 a.m. – 08:00 a.m.	67.8	85.8	62.2
08:00 a.m. – 09:00 a.m.	68.6	90.8	63.8
09:00 a.m. – 10:00 a.m.	67.3	77.7	61.8
10:00 a.m. – 11:00 a.m.	67.2	89.1	62.2
11:00 a.m. – 12:00 a.m.	67.3	79.7	62.0
12:00 a.m. – 01:00 p.m.	67.5	90.8	61.8
01:00 p.m. – 02:00 p.m.	68.1	81.7	63.3
24 Hours Measured	66.2	90.8	60.5
Standard <sup>1/</sup>	≤70	≤115	-
Evaluation	pass	pass	-
Ldn	71.4	-	-

Remark : 1. <sup>1/</sup> Notification of Ministry of Industry on the Prescription of the Values of Annoyance Sound Level and the sound Level caused by Engaging in a Factory Business B.E. 2548 (Dated 27 December B.E. 2548)





PACIFIC

LABORATORY CO., LTD.

Pacific Laboratory Co., Ltd.

14/5358 Moo 14 Tambol Bang Bua Thong

Amphoe Bang Bua Thong, Nonthaburi 11110

Tel. : 0-2045-2446-7 Fax. : 0-2045-3991

## ANALYSIS REPORT

Analysis No. : NH 190/2567  
Job No. : PCL 1118/67  
Report Date : September 27, 2024

Customer Name : บริษัท ไอจี พอร์จ (ไทยแลนด์) จำกัด  
Address : เลขที่ 150/68 หมู่ที่ 9 นิคมอุตสาหกรรมปิ่นทอง 2 ตำบลหนองขาม อำเภอศรีราชา จังหวัดชลบุรี 20110  
Sampling Source : Community Noise  
Sampling Location : บริเวณชุมชนหนองยายบัว  
GPS. Coordinate : UTM 47P 0718902 E, 1450834 N  
Measured Date : September 16-17, 2024  
Measured Instrument : Sound Level Meter Scarlet Tech Model ST-11D Serial Number 820967

Interval Time	Noise Level (dBA)		
	Leq	Lmax	L90
11:00 a.m. – 12:00 a.m.	49.4	66.8	46.2
12:00 a.m. – 01:00 p.m.	46.5	68.9	43.0
01:00 p.m. – 02:00 p.m.	49.2	69.6	46.1
02:00 p.m. – 03:00 p.m.	50.4	73.7	47.8
03:00 p.m. – 04:00 p.m.	48.6	69.2	44.8
04:00 p.m. – 05:00 p.m.	47.4	70.2	42.8
05:00 p.m. – 06:00 p.m.	49.5	71.9	42.9
06:00 p.m. – 07:00 p.m.	50.8	73.0	45.8
07:00 p.m. – 08:00 p.m.	50.9	73.6	45.8
08:00 p.m. – 09:00 p.m.	53.4	79.4	47.3
09:00 p.m. – 10:00 p.m.	44.6	56.1	42.5
10:00 p.m. – 11:00 p.m.	43.2	65.1	40.6
11:00 p.m. – 00:00 p.m.	44.5	65.0	41.7
00:00 p.m. – 01:00 a.m.	43.6	51.7	42.0
01:00 a.m. – 02:00 a.m.	43.5	49.3	42.4
02:00 a.m. – 03:00 a.m.	45.4	70.7	43.3
03:00 a.m. – 04:00 a.m.	42.7	60.5	40.6
04:00 a.m. – 05:00 a.m.	44.1	57.0	42.1
05:00 a.m. – 06:00 a.m.	47.5	73.9	41.7
06:00 a.m. – 07:00 a.m.	50.1	68.2	43.7
07:00 a.m. – 08:00 a.m.	49.6	73.5	45.2
08:00 a.m. – 09:00 a.m.	53.2	82.4	48.3
09:00 a.m. – 10:00 a.m.	52.2	74.1	49.3
10:00 a.m. – 11:00 a.m.	51.2	70.4	48.5
24 Hours Measured	49.1	82.4	45.1
Standard <sup>1/</sup>	≤70	≤115	-
Evaluation	pass	pass	-
Ldn	52.5	-	-

Remark : 1. <sup>1/</sup> Notification of National Environmental Board No. 15 (B.E. 2540) It defines the General sound level Standards (Dated 12 March B.E. 2540).



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REPORT ANALYSIS REFERS TO SUBMITTED SAMPLE (S) ONLY

## ANALYSIS REPORT

Analysis No. : NH 190/2567  
Job No. : PCL 1118/67  
Report Date : September 27, 2024

Customer Name : บริษัท โอจี พอร์จ (ไทยแลนด์) จำกัด  
Address : เลขที่ 150/68 หมู่ที่ 9 นิคมอุตสาหกรรมปิ่นทอง 2 ตำบลหนองขาม อำเภอศรีราชา จังหวัดชลบุรี 20110  
Sampling Source : Community Noise  
Sampling Location : บริเวณชุมชนหนองยายปู่  
GPS. Coordinate : UTM 47P 0718902 E, 1450834 N  
Measured Date : September 17-18, 2024  
Measured Instrument : Sound Level Meter Scarlet Tech Model ST-11D Serial Number 820967

Interval Time	Noise Level (dBA)		
	Leq	Lmax	L90
11:00 a.m. – 12:00 a.m.	49.8	71.3	47.3
12:00 a.m. – 01:00 p.m.	50.0	76.7	46.4
01:00 p.m. – 02:00 p.m.	49.7	66.7	47.6
02:00 p.m. – 03:00 p.m.	48.6	60.8	46.3
03:00 p.m. – 04:00 p.m.	48.6	63.3	46.0
04:00 p.m. – 05:00 p.m.	50.8	76.2	45.9
05:00 p.m. – 06:00 p.m.	51.2	73.0	46.9
06:00 p.m. – 07:00 p.m.	54.1	74.9	50.1
07:00 p.m. – 08:00 p.m.	51.2	79.8	47.6
08:00 p.m. – 09:00 p.m.	47.0	74.7	44.1
09:00 p.m. – 10:00 p.m.	45.7	60.9	45.7
10:00 p.m. – 11:00 p.m.	45.4	63.6	43.5
11:00 p.m. – 00:00 p.m.	46.6	56.0	45.3
00:00 p.m. – 01:00 a.m.	64.0	90.4	56.7
01:00 a.m. – 02:00 a.m.	48.8	63.8	47.1
02:00 a.m. – 03:00 a.m.	55.6	80.8	50.3
03:00 a.m. – 04:00 a.m.	53.7	73.3	51.7
04:00 a.m. – 05:00 a.m.	51.5	77.4	50.1
05:00 a.m. – 06:00 a.m.	49.8	70.3	45.1
06:00 a.m. – 07:00 a.m.	50.1	69.3	43.6
07:00 a.m. – 08:00 a.m.	49.8	68.2	43.4
08:00 a.m. – 09:00 a.m.	49.8	69.3	46.1
09:00 a.m. – 10:00 a.m.	50.2	64.9	47.0
10:00 a.m. – 11:00 a.m.	49.7	69.8	44.5
24 Hours Measured	53.3	90.4	48.4
Standard <sup>1/</sup>	≤70	≤115	-
Evaluation	pass	pass	-
Ldn	61.9	-	-

Remark : 1. <sup>1/</sup> Notification of National Environmental Board No. 15 (B.E. 2540) It defines the General sound level Standards (Dated 12 March B.E. 2540)

...  
Lab. Supervisor

## ANALYSIS REPORT

Analysis No. : NH 190/2567  
Job No. : PCL 1118/67  
Report Date : September 27, 2024

Customer Name : บริษัท โอจี ฟอรัจ (ไทยแลนด์) จำกัด  
Address : เลขที่ 150/68 หมู่ที่ 9 นิคมอุตสาหกรรมบึงทอง 2 ตำบลหนองขาม อำเภอศรีราชา จังหวัดชลบุรี 20110  
Sampling Source : Community Noise  
Sampling Location : บริเวณชุมชนหนองยายปู่  
GPS. Coordinate : UTM 47P 0718902 E, 1450834 N  
Measured Date : September 18-19, 2024  
Measured Instrument : Sound Level Meter Scarlet Tech Model ST-11D Serial Number 820967

Interval Time	Noise Level (dBA)		
	Leq	Lmax	L90
11:00 a.m. – 12:00 a.m.	50.3	78.9	43.5
12:00 a.m. – 01:00 p.m.	50.1	72.8	46.5
01:00 p.m. – 02:00 p.m.	50.4	72.3	46.6
02:00 p.m. – 03:00 p.m.	49.9	67.9	46.7
03:00 p.m. – 04:00 p.m.	49.6	66.1	46.5
04:00 p.m. – 05:00 p.m.	53.6	80.1	49.8
05:00 p.m. – 06:00 p.m.	51.6	72.6	45.6
06:00 p.m. – 07:00 p.m.	50.5	77.3	46.0
07:00 p.m. – 08:00 p.m.	49.1	60.1	46.5
08:00 p.m. – 09:00 p.m.	54.5	81.8	49.5
09:00 p.m. – 10:00 p.m.	52.3	76.2	50.7
10:00 p.m. – 11:00 p.m.	49.9	57.7	48.4
11:00 p.m. – 00:00 p.m.	48.9	70.4	45.8
00:00 p.m. – 01:00 a.m.	48.1	80.2	44.7
01:00 a.m. – 02:00 a.m.	46.5	62.7	44.2
02:00 a.m. – 03:00 a.m.	48.7	53.6	47.5
03:00 a.m. – 04:00 a.m.	47.7	61.5	46.2
04:00 a.m. – 05:00 a.m.	46.4	58.7	44.5
05:00 a.m. – 06:00 a.m.	50.5	69.8	43.5
06:00 a.m. – 07:00 a.m.	50.4	71.3	44.0
07:00 a.m. – 08:00 a.m.	48.8	70.4	43.4
08:00 a.m. – 09:00 a.m.	48.8	64.9	45.0
09:00 a.m. – 10:00 a.m.	49.0	73.5	45.5
10:00 a.m. – 11:00 a.m.	48.8	68.0	44.8
24 Hours Measured	50.2	81.8	46.5
Standard <sup>1/</sup>	≤70	≤115	-
Evaluation	pass	pass	-
Ldn	55.8	-	-

Remark : 1. <sup>1/</sup> Notification of National Environmental Board No. 15 (B.E. 2540) It defines the General sound level Standards (Dated 12 March B.E. 2540)



## ANALYSIS REPORT

Analysis No. : NH 190/2567  
Job No. : PCL 1118/67  
Report Date : September 27, 2024

Customer Name : บริษัท ไอจี พอร์จ (ไทยแลนด์) จำกัด  
Address : เลขที่ 150/68 หมู่ที่ 9 นิคมอุตสาหกรรมปิ่นทอง 2 ตำบลหนองขาม อำเภอศรีราชา จังหวัดชลบุรี 20110  
Sampling Source : Community Noise  
Sampling Location : บริเวณชุมชนหนองยายปู่  
GPS. Coordinate : UTM 47P 0718902 E, 1450834 N  
Measured Date : September 19-20, 2024  
Measured Instrument : Sound Level Meter Scarlet Tech Model ST-11D Serial Number 820967

Interval Time	Noise Level (dBA)		
	Leq	Lmax	L90
11:00 a.m. – 12:00 a.m.	47.8	65.9	43.8
12:00 a.m. – 01:00 p.m.	47.0	62.9	42.0
01:00 p.m. – 02:00 p.m.	47.8	62.9	44.3
02:00 p.m. – 03:00 p.m.	47.6	70.0	44.4
03:00 p.m. – 04:00 p.m.	51.0	77.1	46.8
04:00 p.m. – 05:00 p.m.	49.0	78.6	44.0
05:00 p.m. – 06:00 p.m.	51.7	74.0	46.3
06:00 p.m. – 07:00 p.m.	51.3	76.2	47.2
07:00 p.m. – 08:00 p.m.	52.4	70.0	47.7
08:00 p.m. – 09:00 p.m.	50.3	75.4	46.4
09:00 p.m. – 10:00 p.m.	48.1	54.1	46.5
10:00 p.m. – 11:00 p.m.	45.3	58.9	43.1
11:00 p.m. – 00:00 p.m.	43.6	58.3	41.8
00:00 p.m. – 01:00 a.m.	48.2	53.1	45.5
01:00 a.m. – 02:00 a.m.	49.7	72.4	46.1
02:00 a.m. – 03:00 a.m.	47.8	57.5	45.9
03:00 a.m. – 04:00 a.m.	42.6	61.1	39.0
04:00 a.m. – 05:00 a.m.	43.8	57.6	41.2
05:00 a.m. – 06:00 a.m.	46.4	60.7	40.8
06:00 a.m. – 07:00 a.m.	50.3	73.2	43.9
07:00 a.m. – 08:00 a.m.	48.9	74.0	43.2
08:00 a.m. – 09:00 a.m.	66.1	88.2	64.0
09:00 a.m. – 10:00 a.m.	56.8	85.4	52.3
10:00 a.m. – 11:00 a.m.	47.6	69.8	42.8
24 Hours Measured	54.1	88.2	51.4
Standard <sup>1/</sup>	≤70	≤115	-
Evaluation	pass	pass	-
Ldn	56.2	-	-

Remark : 1. <sup>1/</sup> Notification of National Environmental Board No. 15 (B.E. 2540) It defines the General sound level Standards (Dated 12 March B.E. 2540)

  
Lab Supervisor

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REPORT ANALYSIS REFERS TO SUBMITTED SAMPLE (S) ONLY

## ANALYSIS REPORT

Analysis No. : NH 190/2567  
Job No. : PCL 1118/67  
Report Date : September 27, 2024

Customer Name : บริษัท โอจี ฟอรัจ (ไทยแลนด์) จำกัด  
Address : เลขที่ 150/68 หมู่ที่ 9 นิคมอุตสาหกรรมปิ่นทอง 2 ตำบลหนองขาม อำเภอศรีราชา จังหวัดชลบุรี 20110  
Sampling Source : Community Noise  
Sampling Location : บริเวณชุมชนหนองยายปู่  
GPS. Coordinate : UTM 47P 0718902 E, 1450834 N  
Measured Date : September 20-21, 2024  
Measured Instrument : Sound Level Meter Scarlet Tech Model ST-11D Serial Number 820967

Interval Time	Noise Level (dBA)		
	Leq	Lmax	L90
11:00 a.m. – 12:00 a.m.	48.1	71.9	41.1
12:00 a.m. – 01:00 p.m.	46.3	73.6	41.0
01:00 p.m. – 02:00 p.m.	48.1	66.3	44.2
02:00 p.m. – 03:00 p.m.	50.7	72.2	46.7
03:00 p.m. – 04:00 p.m.	48.6	75.8	44.3
04:00 p.m. – 05:00 p.m.	50.1	74.4	41.9
05:00 p.m. – 06:00 p.m.	47.7	71.8	43.4
06:00 p.m. – 07:00 p.m.	48.2	67.7	45.3
07:00 p.m. – 08:00 p.m.	50.5	65.5	46.6
08:00 p.m. – 09:00 p.m.	56.6	82.5	46.2
09:00 p.m. – 10:00 p.m.	47.5	62.7	46.1
10:00 p.m. – 11:00 p.m.	46.5	67.1	44.8
11:00 p.m. – 00:00 p.m.	58.4	79.6	52.5
00:00 p.m. – 01:00 a.m.	44.5	51.9	43.1
01:00 a.m. – 02:00 a.m.	43.9	49.1	42.7
02:00 a.m. – 03:00 a.m.	46.5	51.7	45.3
03:00 a.m. – 04:00 a.m.	46.9	52.8	45.9
04:00 a.m. – 05:00 a.m.	46.1	60.2	44.6
05:00 a.m. – 06:00 a.m.	47.9	65.2	42.9
06:00 a.m. – 07:00 a.m.	48.2	76.6	41.0
07:00 a.m. – 08:00 a.m.	49.4	71.5	42.0
08:00 a.m. – 09:00 a.m.	52.4	78.7	42.7
09:00 a.m. – 10:00 a.m.	48.0	68.7	43.9
10:00 a.m. – 11:00 a.m.	49.7	72.2	44.8
24 Hours Measured	50.5	82.5	45.2
Standard <sup>1/</sup>	≤70	≤115	-
Evaluation	pass	pass	-
Ldn	57.0	-	-

Remark : 1. <sup>1/</sup> Notification of National Environmental Board No. 15 (B.E. 2540) It defines the General sound level Standards (Dated 12 March B.E. 2540)

LABORATORY  
PACIFIC  
PCL  
Lab. Supervisor

# ANALYSIS REPORT

Analysis No. : NH 190/2567  
Job No. : PCL 1118/67  
Report Date : September 27, 2024

Customer Name : บริษัท โอจี พอร์จ (ไทยแลนด์) จำกัด  
Address : เลขที่ 150/68 หมู่ที่ 9 นิคมอุตสาหกรรมปิ่นทอง 2 ตำบลหนองขาม อำเภอศรีราชา จังหวัดชลบุรี 20110  
Sampling Source : Community Noise  
Sampling Location : บริเวณชุมชนหนองยายปู่  
GPS. Coordinate : UTM 47P 0718902 E, 1450834 N  
Measured Date : September 21-22, 2024  
Measured Instrument : Sound Level Meter Scarlet Tech Model ST-11D Serial Number 820967

Interval Time	Noise Level (dBA)		
	Leq	Lmax	L90
11:00 a.m. – 12:00 a.m.	48.9	69.3	42.5
12:00 a.m. – 01:00 p.m.	48.7	65.9	46.2
01:00 p.m. – 02:00 p.m.	48.9	70.1	44.3
02:00 p.m. – 03:00 p.m.	51.0	77.8	44.7
03:00 p.m. – 04:00 p.m.	48.8	70.3	44.7
04:00 p.m. – 05:00 p.m.	48.8	70.3	45.0
05:00 p.m. – 06:00 p.m.	50.7	73.0	42.6
06:00 p.m. – 07:00 p.m.	48.6	68.9	45.6
07:00 p.m. – 08:00 p.m.	48.8	66.1	46.7
08:00 p.m. – 09:00 p.m.	44.8	60.9	42.1
09:00 p.m. – 10:00 p.m.	43.3	59.0	40.0
10:00 p.m. – 11:00 p.m.	45.3	58.9	43.6
11:00 p.m. – 00:00 p.m.	42.9	66.0	40.9
00:00 p.m. – 01:00 a.m.	45.9	80.8	39.0
01:00 a.m. – 02:00 a.m.	42.3	58.3	38.9
02:00 a.m. – 03:00 a.m.	40.0	54.3	38.1
03:00 a.m. – 04:00 a.m.	44.5	70.4	37.9
04:00 a.m. – 05:00 a.m.	42.9	58.3	39.5
05:00 a.m. – 06:00 a.m.	47.2	65.8	39.8
06:00 a.m. – 07:00 a.m.	48.1	64.2	40.4
07:00 a.m. – 08:00 a.m.	46.5	69.1	39.1
08:00 a.m. – 09:00 a.m.	47.9	73.9	44.3
09:00 a.m. – 10:00 a.m.	46.5	65.2	40.6
10:00 a.m. – 11:00 a.m.	43.7	63.0	38.3
24 Hours Measured	47.3	80.8	42.7
Standard <sup>1/</sup>	≤70	≤115	-
Evaluation	pass	pass	-
Ldn	51.6	-	-

Remark : 1. <sup>1/</sup> Notification of National Environmental Board No. 15 (B.E. 2540) It defines the General sound level Standards (Dated 12 March B.E. 2540)



# ANALYSIS REPORT

Analysis No. : NH 190/2567  
Job No. : PCL 1118/67  
Report Date : September 27, 2024

Customer Name : บริษัท โอจี ฟอรัจ (ไทยแลนด์) จำกัด  
Address : เลขที่ 150/68 หมู่ที่ 9 นิคมอุตสาหกรรมปิ่นทอง 2 ตำบลหนองขาม อำเภอศรีราชา จังหวัดชลบุรี 20110  
Sampling Source : Community Noise  
Sampling Location : บริเวณชุมชนหนองยายบุญ  
GPS. Coordinate : UTM 47P 0718902 E, 1450834 N  
Measured Date : September 22-23, 2024  
Measured Instrument : Sound Level Meter Scarlet Tech Model ST-11D Serial Number 820967

Interval Time	Noise Level (dBA)		
	Leq	Lmax	L90
11:00 a.m. - 12:00 a.m.	44.4	64.8	38.9
12:00 a.m. - 01:00 p.m.	50.3	76.6	40.6
01:00 p.m. - 02:00 p.m.	49.7	75.3	39.7
02:00 p.m. - 03:00 p.m.	46.0	65.7	39.7
03:00 p.m. - 04:00 p.m.	47.4	71.4	41.1
04:00 p.m. - 05:00 p.m.	46.9	75.2	42.0
05:00 p.m. - 06:00 p.m.	47.3	70.4	43.7
06:00 p.m. - 07:00 p.m.	45.4	67.1	43.1
07:00 p.m. - 08:00 p.m.	49.4	58.3	45.6
08:00 p.m. - 09:00 p.m.	50.3	69.3	47.9
09:00 p.m. - 10:00 p.m.	47.5	60.4	45.9
10:00 p.m. - 11:00 p.m.	43.0	50.4	40.5
11:00 p.m. - 00:00 p.m.	44.4	68.4	40.3
00:00 p.m. - 01:00 a.m.	41.3	58.9	39.2
01:00 a.m. - 02:00 a.m.	42.0	63.2	39.1
02:00 a.m. - 03:00 a.m.	42.0	56.2	38.7
03:00 a.m. - 04:00 a.m.	42.4	57.4	39.6
04:00 a.m. - 05:00 a.m.	44.3	58.4	40.0
05:00 a.m. - 06:00 a.m.	47.9	70.9	40.4
06:00 a.m. - 07:00 a.m.	50.3	74.9	42.3
07:00 a.m. - 08:00 a.m.	54.3	78.4	49.3
08:00 a.m. - 09:00 a.m.	48.5	71.9	42.4
09:00 a.m. - 10:00 a.m.	48.8	77.0	42.9
10:00 a.m. - 11:00 a.m.	49.9	80.3	40.5
24 Hours Measured	48.0	80.3	43.0
Standard <sup>1/</sup>	≤70	≤115	-
Evaluation	pass	pass	-
Ldn	52.0	-	-

Remark : 1. <sup>1/</sup> Notification of National Environmental Board No. 15 (B.E. 2540) It defines the General sound level Standards (Dated 12 March B.E. 2540)

  
Lab. Supervisor

## ภาคผนวก ค-2

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ใบรายงานผลการตรวจวัดคุณภาพอากาศ  
จากปล่องระบาย



## ANALYSIS REPORT

Analysis No. : Lab-S 211/2567  
Report Date : October 10, 2024

CUSTOMER NAME : บริษัท ไอจี พอร์จ (ไทยแลนด์) จำกัด  
ADDRESS : เลขที่ 150/68 หมู่ที่ 9 นิคมอุตสาหกรรมปิ่นทอง 2 ตำบลหนองขาม อำเภอศรีราชา จังหวัดชลบุรี 20110  
SAMPLING SOURCE : ปล่องระบายอากาศ เครื่องหุงชิ้นรูป 3000T  
SAMPLING DATE : September 25, 2024 SAMPLING TIME : 10:45 AM - 11:17 AM  
RECEIVED DATE : September 26, 2024 ANALYTICAL DATE : September 26 - October 9, 2024  
SAMPLING METHOD : US. EPA Method SAMPLE CONDITION : Good  
FUEL TYPE : - COMBUSTION SYSTEM : Process  
SAMPLING BY : [REDACTED] GPS. COORDINATES : 47P 719802, 1450658

Item	Description	Unit	Method of Analysis	Actual Condition <sup>3/</sup>	Standard <sup>1/</sup>	Evaluation
1.	Stack Height	m	Measuring Tape	8.00	-	-
2.	Stack Diameter	m	Measuring Tape	0.60x0.60	-	-
3.	Temperature in Stack	°C	US. EPA Method 2	39.00	-	-
4.	Pressure Stack	mm.Hg	US. EPA Method 2	756.31	-	-
5.	Air Velocity	m/s	US. EPA Method 2	9.33	-	-
6.	Flow Rate	Nm <sup>3</sup> /hr	US. EPA Method 2	11,263.17	-	-
7.	Oxygen Rate	%	US. EPA Method 3	20.80	-	-
8.	Carbon dioxide Rate	%	US. EPA Method 3	<0.01	-	-
9.	Moisture	%	US. EPA Method 4	2.83	-	-
10.	Total Suspended Particulate	mg/m <sup>3</sup>	US. EPA Method 5/ Isokinetic, Gravimetric	0.381	≤400	Pass
		Kg/rai/day <sup>2/</sup>		0.00166	-	-
		Kg/day <sup>2/</sup>		0.10506	-	-

Remark : 1. <sup>1/</sup> Notification of Ministry of Industry on the Prescription of the Content Values of Air Contaminants Emitted from the Factory B.E. 2549  
: 2. <sup>2/</sup> Criteria of Industrial Estate Authority of Thailand No.79/2549  
: 3. <sup>3/</sup> Analyze results by Stack Consulting Co., Ltd. Registration No.2-339  
: 4. ขนาดพื้นที่ 63.33 ไร่

Analyst

Laboratory Supervisor

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## ANALYSIS REPORT

Analysis No. : Lab-S 211/2567  
Report Date : October 10, 2024

CUSTOMER NAME : บริษัท ไอจี พอร์จ (ไทยแลนด์) จำกัด  
ADDRESS : เลขที่ 150/68 หมู่ที่ 9 นิคมอุตสาหกรรมปิ่นทอง 2 ตำบลหนองขาม อำเภอสรีราชา จังหวัดชลบุรี 20110  
SAMPLING SOURCE : ปล่องระบายอากาศ เครื่องทุบชิ้นรูป 4500T  
SAMPLING DATE : September 19, 2024 SAMPLING TIME : 11:00 AM - 11:48 AM  
RECEIVED DATE : September 23, 2024 ANALYTICAL DATE : September 23 - October 9, 2024  
SAMPLING METHOD : US. EPA Method SAMPLE CONDITION : Good  
FUEL TYPE : - COMBUSTION SYSTEM : Process  
SAMPLING BY : [REDACTED] GPS. COORDINATES : 47P 719672, 1450619

Item	Description	Unit	Method of Analysis	Actual Condition <sup>3/</sup>	Standard <sup>1/</sup>	Evaluation
1.	Stack Height	m	Measuring Tape	10.00	-	-
2.	Stack Diameter	m	Measuring Tape	1.00	-	-
3.	Temperature in Stack	°C	US. EPA Method 2	32.00	-	-
4.	Pressure Stack	mm.Hg	US. EPA Method 2	754.02	-	-
5.	Air Velocity	m/s	US. EPA Method 2	6.44	-	-
6.	Flow Rate	Nm <sup>3</sup> /hr	US. EPA Method 2	17,289.00	-	-
7.	Oxygen Rate	%	US. EPA Method 3	20.90	-	-
8.	Carbon dioxide Rate	%	US. EPA Method 3	<0.01	-	-
9.	Moisture	%	US. EPA Method 4	3.02	-	-
10.	Total Suspended Particulate	mg/m <sup>3</sup>	US. EPA Method 5/ Isokinetic, Gravimetric	0.241	≤400	Pass
		Kg/rai/day <sup>2/</sup>		0.00161	-	-
		Kg/day <sup>2/</sup>		0.10211	-	-

Remark : 1. <sup>1/</sup> Notification of Ministry of Industry on the Prescription of the Content Values of Air Contaminants Emitted from the Factory B.E. 2549  
: 2. <sup>2/</sup> Criteria of Industrial Estate Authority of Thailand No.79/2549  
: 3. <sup>3/</sup> Analyze results by Stack Consulting Co., Ltd. Registration No.จ-339  
: 4. ขนาดพื้นที่ 63.33 ไร่

Analyst

Laboratory Supervisor

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## ANALYSIS REPORT

Analysis No. : Lab-S 211/2567  
Report Date : October 10, 2024

CUSTOMER NAME : บริษัท ไอจี พอร์จ (ไทยแลนด์) จำกัด  
ADDRESS : เลขที่ 150/68 หมู่ที่ 9 นิคมอุตสาหกรรมปิ่นทอง 2 ตำบลหนองขาม อำเภอสรีราชา จังหวัดชลบุรี 20110  
SAMPLING SOURCE : ปล่องระบายอากาศ เครื่องขัดผิว 4500T (Shot Blast)  
SAMPLING DATE : September 19, 2024 SAMPLING TIME : 01:50 PM - 02:30 PM  
RECEIVED DATE : September 23, 2024 ANALYTICAL DATE : September 23 - October 9, 2024  
SAMPLING METHOD : US. EPA Method SAMPLE CONDITION : Good  
FUEL TYPE : - COMBUSTION SYSTEM : Process  
SAMPLING BY : [REDACTED] GPS. COORDINATES : 47P 719629, 1450574

Item	Description	Unit	Method of Analysis	Actual Condition <sup>3/</sup>	Standard <sup>1/</sup>	Evaluation
1.	Stack Height	m	Measuring Tape	6.00	-	-
2.	Stack Diameter	m	Measuring Tape	0.35	-	-
3.	Temperature in Stack	°C	US. EPA Method 2	44.00	-	-
4.	Pressure Stack	mm.Hg	US. EPA Method 2	753.50	-	-
5.	Air Velocity	m/s	US. EPA Method 2	8.00	-	-
6.	Flow Rate	Nm <sup>3</sup> /hr	US. EPA Method 2	2,529.59	-	-
7.	Oxygen Rate	%	US. EPA Method 3	20.80	-	-
8.	Carbon dioxide Rate	%	US. EPA Method 3	<0.01	-	-
9.	Moisture	%	US. EPA Method 4	2.69	-	-
10.	Total Suspended Particulate	mg/m <sup>3</sup>	US. EPA Method 5/ Isokinetic, Gravimetric	1.688	≤400	Pass
		Kg/rai/day <sup>2/</sup>		0.00165	-	-
		Kg/day <sup>2/</sup>		0.10464	-	-

Remark : 1. <sup>1/</sup> Notification of Ministry of Industry on the Prescription of the Content Values of Air Contaminants Emitted from the Factory B.E. 2549  
: 2. <sup>2/</sup> Criteria of Industrial Estate Authority of Thailand No.79/2549  
: 3. <sup>3/</sup> Analyze results by Stack Consulting Co., Ltd. Registration No.จ-339  
: 4. ขนาดพื้นที่ 63.33 ไร่

Analyst

Laboratory Supervisor

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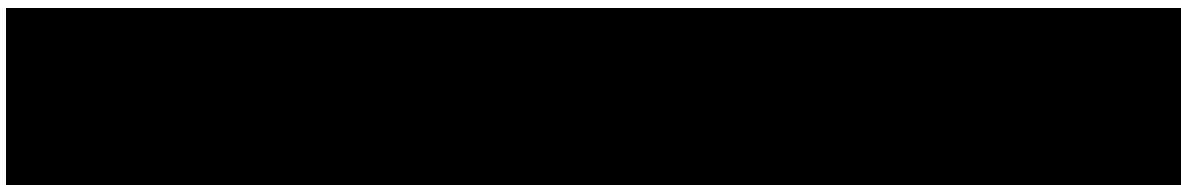
## ANALYSIS REPORT

Analysis No. : Lab-S 211/2567  
Report Date : October 10, 2024

CUSTOMER NAME : บริษัท ไอจี พอร์จ (ไทยแลนด์) จำกัด  
ADDRESS : เลขที่ 150/68 หมู่ที่ 9 นิคมอุตสาหกรรมปิ่นทอง 2 ตำบลหนองขาม อำเภอสรีราชา จังหวัดชลบุรี 20110  
SAMPLING SOURCE : ปล่องระบายอากาศ เครื่องทุบขึ้นรูป 1600T Line 1  
SAMPLING DATE : September 20, 2024 SAMPLING TIME : 02:10 PM - 03:06 PM  
RECEIVED DATE : September 23, 2024 ANALYTICAL DATE : September 23 - October 9, 2024  
SAMPLING METHOD : US. EPA Method SAMPLE CONDITION : Good  
FUEL TYPE : - COMBUSTION SYSTEM : Process  
SAMPLING BY : [REDACTED] GPS. COORDINATES : 47P 719781, 1450621

Item	Description	Unit	Method of Analysis	Actual Condition <sup>3/</sup>	Standard <sup>1/</sup>	Evaluation
1.	Stack Height	m	Measuring Tape	8.00	-	-
2.	Stack Diameter	m	Measuring Tape	0.60x0.60	-	-
3.	Temperature in Stack	°C	US. EPA Method 2	40.00	-	-
4.	Pressure Stack	mm.Hg	US. EPA Method 2	754.06	-	-
5.	Air Velocity	m/s	US. EPA Method 2	2.23	-	-
6.	Flow Rate	Nm <sup>3</sup> /hr	US. EPA Method 2	2,675.47	-	-
7.	Oxygen Rate	%	US. EPA Method 3	20.70	-	-
8.	Carbon dioxide Rate	%	US. EPA Method 3	<0.01	-	-
9.	Moisture	%	US. EPA Method 4	2.67	-	-
10.	Total Suspended Particulate	mg/m <sup>3</sup>	US. EPA Method 5/ Isokinetic, Gravimetric	0.597	≤400	Pass
		Kg/rai/day <sup>2/</sup>		0.00062	-	-
		Kg/day <sup>2/</sup>		0.03911	-	-

Remark : 1. <sup>1/</sup> Notification of Ministry of Industry on the Prescription of the Content Values of Air Contaminants Emitted from the Factory B.E. 2549  
: 2. <sup>2/</sup> Criteria of Industrial Estate Authority of Thailand No.79/2549  
: 3. <sup>3/</sup> Analyze results by Stack Consulting Co., Ltd. Registration No.จ-339  
: 4. ขนาดพื้นที่ 63.33 ไร่



Analyst

Laboratory Supervisor

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## ANALYSIS REPORT

Analysis No. : Lab-S 211/2567  
Report Date : October 10, 2024

CUSTOMER NAME : บริษัท ไอจี พอร์จ (ไทยแลนด์) จำกัด  
ADDRESS : เลขที่ 150/68 หมู่ที่ 9 นิคมอุตสาหกรรมปิ่นทอง 2 ตำบลหนองขาม อำเภอสรีราชา จังหวัดชลบุรี 20110  
SAMPLING SOURCE : ปล่องระบายอากาศ เครื่องทุบขึ้นรูป 1600T Line 2  
SAMPLING DATE : September 20, 2024 SAMPLING TIME : 01:30 PM - 02:02 PM  
RECEIVED DATE : September 23, 2024 ANALYTICAL DATE : September 23 - October 9, 2024  
SAMPLING METHOD : US. EPA Method SAMPLE CONDITION : Good  
FUEL TYPE : - COMBUSTION SYSTEM : Process  
SAMPLING BY : [REDACTED] GPS. COORDINATES : 47P 719786, 1450630

Item	Description	Unit	Method of Analysis	Actual Condition <sup>3/</sup>	Standard <sup>1/</sup>	Evaluation
1.	Stack Height	m	Measuring Tape	8.00	-	-
2.	Stack Diameter	m	Measuring Tape	0.60x0.60	-	-
3.	Temperature in Stack	°C	US. EPA Method 2	40.00	-	-
4.	Pressure Stack	mm.Hg	US. EPA Method 2	756.21	-	-
5.	Air Velocity	m/s	US. EPA Method 2	7.24	-	-
6.	Flow Rate	Nm <sup>3</sup> /hr	US. EPA Method 2	8,711.04	-	-
7.	Oxygen Rate	%	US. EPA Method 3	20.60	-	-
8.	Carbon dioxide Rate	%	US. EPA Method 3	<0.01	-	-
9.	Moisture	%	US. EPA Method 4	2.55	-	-
10.	Total Suspended Particulate	mg/m <sup>3</sup>	US. EPA Method 5/ Isokinetic, Gravimetric	0.228	≤400	Pass
		Kg/rai/day <sup>2/</sup>		0.00077	-	
		Kg/day <sup>2/</sup>		0.04863	-	

Remark : 1. <sup>1/</sup> Notification of Ministry of Industry on the Prescription of the Content Values of Air Contaminants Emitted from the Factory B.E. 2549  
: 2. <sup>2/</sup> Criteria of Industrial Estate Authority of Thailand No.79/2549  
: 3. <sup>3/</sup> Analyze results by Stack Consulting Co., Ltd. Registration No.จ-339  
: 4. ขนาดพื้นที่ 63.33 ไร่

Analyst

Laboratory Supervisor

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## ANALYSIS REPORT

Analysis No. : Lab-S 211/2567  
Report Date : October 10, 2024

CUSTOMER NAME : บริษัท ไอจี พอร์จ (ไทยแลนด์) จำกัด  
ADDRESS : เลขที่ 150/68 หมู่ที่ 9 นิคมอุตสาหกรรมปิ่นทอง 2 ตำบลหนองขาม อำเภอสรีราชา จังหวัดชลบุรี 20110  
SAMPLING SOURCE : ปล่องระบายอากาศ เครื่องขัดผิว Hanger (Shot Blast)  
SAMPLING DATE : September 19, 2024 SAMPLING TIME : 03:00 PM - 03:40 PM  
RECEIVED DATE : September 23, 2024 ANALYTICAL DATE : September 23 - October 9, 2024  
SAMPLING METHOD : US. EPA Method SAMPLE CONDITION : Good  
FUEL TYPE : - COMBUSTION SYSTEM : Process  
SAMPLING BY : [REDACTED] GPS. COORDINATES : 47P 719730, 1450736

Item	Description	Unit	Method of Analysis	Actual Condition <sup>3/</sup>	Standard <sup>1/</sup>	Evaluation
1.	Stack Height	m	Measuring Tape	10.00	-	-
2.	Stack Diameter	m	Measuring Tape	0.38	-	-
3.	Temperature in Stack	°C	US. EPA Method 2	40.00	-	-
4.	Pressure Stack	mm.Hg	US. EPA Method 2	753.71	-	-
5.	Air Velocity	m/s	US. EPA Method 2	20.63	-	-
6.	Flow Rate	Nm <sup>3</sup> /hr	US. EPA Method 2	8,631.37	-	-
7.	Oxygen Rate	%	US. EPA Method 3	20.90	-	-
8.	Carbon dioxide Rate	%	US. EPA Method 3	<0.01	-	-
9.	Moisture	%	US. EPA Method 4	2.85	-	-
10.	Total Suspended Particulate	mg/m <sup>3</sup>	US. EPA Method 5/ Isokinetic, Gravimetric	0.511	≤400	Pass
		Kg/rai/day <sup>2/</sup>		0.00171	-	-
		Kg/day <sup>2/</sup>		0.10808	-	-

Remark : 1. <sup>1/</sup> Notification of Ministry of Industry on the Prescription of the Content Values of Air Contaminants Emitted from the Factory B.E. 2549  
: 2. <sup>2/</sup> Criteria of Industrial Estate Authority of Thailand No.79/2549  
: 3. <sup>3/</sup> Analyze results by Stack Consulting Co., Ltd. Registration No.จ-339  
: 4. ขนาดพื้นที่ 63.33 ไร่

Analyst

Laboratory Supervisor

Do not copy or modify.

## ภาคผนวก ค-3

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ใบรายงานผลการตรวจวัดคุณภาพสิ่งแวดล้อม  
ในสถานที่ทำงาน

## ANALYSIS REPORT

Analysis No. : Lab-A 320/2567  
Job No. : PCL 1118/67  
Report Date : December 4, 2024

Customer Name : บริษัท ไอจี ฟอรัจ (ไทยแลนด์) จำกัด  
Address : เลขที่ 150/68 หมู่ที่ 9 นิคมอุตสาหกรรมปิ่นทอง 2 ตำบลหนองขาม อำเภอศรีราชา จังหวัดชลบุรี 20110  
Sampling Date : September 16-18 and November 14, 2024  
Received Date : September 19 and November 15, 2024  
Analytical Date : September 20 and November 18, 2024  
Sampling By : Pacific Laboratory Co., Ltd.  
Sampling Time : 09:30 a.m. - 05:30 p.m.  
Sampling Method : NIOSH, HSE84  
Sampling Source : Work Place Air  
Sampling Condition : Good

Item	Location	Parameter	Unit	Method of Analysis	Analytical Technique	Result	Standard		Evaluation	
							1/	2/	1/	2/
1.	Forging : เครื่องทุบขึ้นรูป 1600T Line 1 (Main press)	Total dust	mg/m <sup>3</sup>	NIOSH0500	GR	0.321	-	≤10	-	pass
		Respirable dust	mg/m <sup>3</sup>	NIOSH0600	GR	0.148	-	≤3	-	pass
2.	Forging : เครื่องทุบขึ้นรูป 1600T Line 2 (Main press)	Total dust	mg/m <sup>3</sup>	NIOSH0500	GR	0.329	-	≤10	-	pass
		Respirable dust	mg/m <sup>3</sup>	NIOSH0600	GR	0.129	-	≤3	-	pass
3.	Forging : เครื่องทุบขึ้นรูป 3000T (Main press)	Total dust	mg/m <sup>3</sup>	NIOSH0500	GR	0.467	-	≤10	-	pass
		Respirable dust	mg/m <sup>3</sup>	NIOSH0600	GR	0.220	-	≤3	-	pass
4.	4500T : เครื่องทุบขึ้นรูป 4500T (Main press)	Total dust	mg/m <sup>3</sup>	NIOSH0500	GR	0.250	-	≤10	-	pass
		Respirable dust	mg/m <sup>3</sup>	NIOSH0600	GR	0.067	-	≤3	-	pass
5.	Forging : Screw press No. 1 (Main press)	Total dust	mg/m <sup>3</sup>	NIOSH0500	GR	0.233	-	≤10	-	pass
		Respirable dust	mg/m <sup>3</sup>	NIOSH0600	GR	0.053	-	≤3	-	pass
6.	Forging : Screw press No. 2 (Main press)	Total dust	mg/m <sup>3</sup>	NIOSH0500	GR	0.500	-	≤10	-	pass

Remark : 1. <sup>1/</sup> Notification of Department of labour protection and welfare on the limits the concentration of hazardous chemical substances (Dated 28 June B.E. 2560)  
2. <sup>2/</sup> ACGIH = American Conference of Governmental Industrial Hygienist, 2024



Sampling License No. 0201-03-2565-0013  
Analyst License No. 0202-03-2565-0009

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## ANALYSIS REPORT

Analysis No. : Lab-A 320/2567  
 Job No. : PCL 1118/67  
 Report Date : December 4, 2024

Customer Name : บริษัท ไอจี พอร์จ (ไทยแลนด์) จำกัด  
 Address : เลขที่ 150/68 หมู่ที่ 9 นิคมอุตสาหกรรมปิ่นทอง 2 ตำบลหนองขาม อำเภอศรีราชา จังหวัดชลบุรี 20110  
 Sampling Date : September 16-18 and November 14, 2024  
 Received Date : September 19 and November 15, 2024  
 Sampling By : Pacific Laboratory Co., Ltd.  
 Analytical Date : September 20 and November 18, 2024  
 Sampling Method : NIOSH, HSE84  
 Sampling Time : 09:30 a.m. - 05:30 p.m.  
 Sampling Condition : Good  
 Sampling Source : Work Place Air

Item	Location	Parameter	Unit	Method of Analysis	Analytical Technique	Result	Standard		Evaluation	
							1/	2/	1/	2/
		Respirable dust	mg/m <sup>3</sup>	NIOSH0600	GR	0.267	-	≤3	-	pass
7.	4500T : เครื่องขัดผิว Hanger (Shot blast)	Total dust	mg/m <sup>3</sup>	NIOSH0500	GR	0.633	-	≤10	-	pass
8.	Forging : Cutting	Oil mist	mg/m <sup>3</sup>	HSE84	GR	0.833	-	≤5	-	pass
9.	4500T : Crank cutting	Oil mist	mg/m <sup>3</sup>	HSE84	GR	<0.1	-	≤5	-	pass
10.	Forging : NC Screw press 1	Oil mist	mg/m <sup>3</sup>	HSE84	GR	0.882	-	≤5	-	pass
11.	Forging : NC Screw press 2	Oil mist	mg/m <sup>3</sup>	HSE84	GR	<0.1	-	≤5	-	pass
12.	Forging : NC Screw press 3	Oil mist	mg/m <sup>3</sup>	HSE84	GR	<0.1	-	≤5	-	pass
13.	Finishing : CNC Machining line 1	Oil mist	mg/m <sup>3</sup>	HSE84	GR	0.917	-	≤5	-	pass
14.	Finishing : CNC Machining line 2	Oil mist	mg/m <sup>3</sup>	HSE84	GR	0.416	-	≤5	-	pass
15.	Finishing : CNC Machining line 3	Oil mist	mg/m <sup>3</sup>	HSE84	GR	<0.1	-	≤5	-	pass
16.	Finishing : CNC Machining line 4	Oil mist	mg/m <sup>3</sup>	HSE84	GR	<0.1	-	≤5	-	pass
17.	Finishing : CNC Machining line 5	Oil mist	mg/m <sup>3</sup>	HSE84	GR	<0.1	-	≤5	-	pass

Remark : 1. <sup>1/</sup> Notification of Department of labour protection and welfare on the limits the concentration of hazardous chemical substances (Dated 28 June B.E. 2560)  
 2. <sup>2/</sup> ACGIH = American Conference of Governmental Industrial Hygienist, 2024



Sampling License No. 0204-03-2565-0013  
 Analyst License No. 0202-03-2565-0009

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## NOISE EXPOSURE ANALYSIS REPORT

Analysis No. : Noise 273/2567  
Job No. : PCL1118/67  
Report Date : November 20, 2024

Customer Name : บริษัท ไอจี ฟอรัจ (ไทยแลนด์) จำกัด  
Address : เลขที่ 150/68 หมู่ที่ 9 นิคมอุตสาหกรรมปิ่นทอง 2 ตำบลหนองขาม อำเภอสรีราชา จังหวัดชลบุรี 20110  
Measured By : Pacific Laboratory Co., Ltd.  
Sampling Source : Work Place Noise

Location/Similar Exposure Group	Measure Date	Measured Instrument		Interval Time	Impulse Noise (dB)	Evaluation
		Model	S/N		Lpeak	
1. Forging : Cutting line 1	18/09/24	ACO/6236	222048	02:25 p.m. - 06:25 p.m.	130.8	pass
2. Forging : Cutting line 2	18/09/24	ACO/6236	222043	02:20 p.m. - 06:20 p.m.	129.0	pass
3. Forging : Cutting line 3	18/09/24	ACO/6236	222023	02:40 p.m. - 06:40 p.m.	127.9	pass
4. 4500T : Crank cutting (หน้าตู้ Control)	19/09/24	ACO/6236	222137	09:15 a.m. - 02:15 p.m.	131.0	pass
5. 4500T : Crank cutting	19/09/24	ACO/6236	222167	09:15 a.m. - 02:15 p.m.	125.5	pass
6. Forging : NC Screw press line 1	13/11/24	ACO/6236	222175	10:35 a.m. - 03:35 p.m.	111.8	pass
7. Forging : NC Screw press line 2	18/09/24	ACO/6236	222043	09:15 a.m. - 02:15 p.m.	117.3	pass
8. Forging : NC Screw press line 3	18/09/24	ACO/6236	222048	09:18 a.m. - 02:18 p.m.	121.1	pass
Standard <sup>1/</sup>					≤140	-

Remark : 1. <sup>1/</sup> Ministerial Regulation on Standard of Safety Administration and Management, Occupational Health and Environmental Condition concerning Heat, Light and Noise, B.E. 2559  
(Dated 7 October B.E. 2559) (Section 3 : Noise)



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REPORT ANALYSIS REFERS TO SUBMITTED SAMPLE (S) ONLY

ภาคผนวก ค-3 หน้า 3/10

## NOISE EXPOSURE ANALYSIS REPORT

Analysis No. : Noise 273/2567  
Job No. : PCL1118/67  
Report Date : November 20, 2024

Customer Name : บริษัท ไอจี พอร์จ (ไทยแลนด์) จำกัด  
Address : เลขที่ 150/68 หมู่ที่ 9 นิคมอุตสาหกรรมปิ่นทอง 2 ตำบลหนองขาม อำเภอสรีราชา จังหวัดชลบุรี 20110  
Measured By : Pacific Laboratory Co., Ltd.  
Sampling Source : Work Place Noise

Location/Similar Exposure Group	Measure Date	Measured Instrument		Interval Time	Impulse Noise (dB)	Evaluation
		Model	S/N		Lpeak	
9. Finishing : CNC Machining line 1	16/09/24	ACO/6236	222023	09:00 a.m. - 02:00 p.m.	108.8	pass
10. Finishing : CNC Machining line 2	16/09/24	ACO/6236	222132	09:00 a.m. - 02:00 p.m.	107.8	pass
11. Finishing : CNC Machining line 3	16/09/24	ACO/6236	222048	09:01 a.m. - 02:01 p.m.	110.2	pass
12. Finishing : CNC Machining line 4	16/09/24	ACO/6236	222137	09:01 a.m. - 02:01 p.m.	106.2	pass
13. Finishing : CNC Machining line 5	16/09/24	ACO/6236	222137	02:10 p.m. - 06:10 p.m.	107.3	pass
Standard <sup>1/</sup>					≤140	-

Remark : 1. <sup>1/</sup> Ministerial Regulation on Standard of Safety Administration and Management, Occupational Health and Environmental Condition concerning Heat, Light and Noise, B.E. 2559  
(Dated 7 October B.E. 2559) (Section 3 : Noise)



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ภาคผนวก ค-3 หน้า 4/10

## NOISE EXPOSURE ANALYSIS REPORT

Analysis No. : ND 125/2567  
Job No. : PCL 1118/67  
Report Date : November 20, 2024

Customer Name : บริษัท ไอจี ฟอรัจ (ไทยแลนด์) จำกัด  
Address : เลขที่ 150/68 หมู่ที่ 9 นิคมอุตสาหกรรมปิ่นทอง 2 ตำบลหนองขาม อำเภอศรีราชา จังหวัดชลบุรี 20110  
Measured By : Pacific Laboratory Co., Ltd.  
Sampling Source : Work Place Noise

Location/Similar Exposure Group	Measure Date	Measured Instrument		Time of performance (hr.)	Noise Dose (%)	Equivalent sound level that exposed (TWA 8 hrs.) (dBA)	Evaluation
		Model	S/N				
1. Forging : Cutting line 1 [REDACTED]	19/09/24	Cirrus Research plc/ CR:110A	CB1174	8 hrs.	30.59	79.9	pass
2. Forging : Cutting line 2 [REDACTED]	18/09/24	Soundtek/ST-130	220100165	8 hrs.	131	86.2	fail
3. 4500T : Crank cutting 1 (หน้าตู้ Control) [REDACTED]	19/09/24	Soundtek/ST-130	220100153	8 hrs.	1.52	66.8	pass
4. 4500T : Crank cutting 2 [REDACTED]	17/09/24	Cirrus Research plc/ CR:110A	CB1173	8 hrs.	0.82	64.1	pass
5. Forging : เครื่องทุบขึ้นรูป 1600T Line 1 (Main press) [REDACTED]	18/09/24	Soundtek/ST-130	220100154	8 hrs.	999	95.0	fail
Standard <sup>1/</sup> (TWA 8 hrs.)					-	≤85	-

Remark : 1.<sup>1/</sup> Notification of Department of labour protection and welfare on the standards Sound levels that allow employee's received an average duration of each work day. (Dated 13 December B.E. 2560)  
2. Measurement Reference of Notification of Department of labour protection and welfare on the standards measuring methods and analysis about the working conditions of heat, light and sound including the duration and the type of business that must be performed. (Dated 8 February B.E. 2561)

## NOISE EXPOSURE ANALYSIS REPORT

Analysis No. : ND 125/2567  
Job No. : PCL 1118/67  
Report Date : November 20, 2024

Customer Name : บริษัท ไอจี พอร์จ (ไทยแลนด์) จำกัด  
Address : เลขที่ 150/68 หมู่ที่ 9 นิคมอุตสาหกรรมปิ่นทอง 2 ตำบลหนองขาม อำเภอศรีราชา จังหวัดชลบุรี 20110  
Measured By : Pacific Laboratory Co., Ltd.  
Sampling Source : Work Place Noise

Location/Similar Exposure Group	Measure Date	Measured Instrument		Time of performance (hr.)	Noise Dose (%)	Equivalent sound level that exposed (TWA 8 hrs.) (dBA)	Evaluation
		Model	S/N				
6. Forging : เครื่องทุบขึ้นรูป 1600T Line 2 (Main press)	18/09/24	Cirrus Research plc/ CR:110A	CB1171	8 hrs.	128	86.1	fail
7. Forging : เครื่องทุบขึ้นรูป 3000T (Main press)	20/09/24	Cirrus Research plc/ CR:110A	CB1172	8 hrs.	1,289	96.1	fail
8. 4500T : เครื่องทุบขึ้นรูป 4500T (Main press)	19/09/24	Soundtek/ST-130	220100162	8 hrs.	146	86.6	fail
9. Finishing : Hanger (SB) #1	13/11/24	Soundtek/ST-130	220100165	8 hrs.	53.12	82.3	pass
10. 4500T : Crank (Magna)	17/09/24	Cirrus Research plc/ CR:110A	CB1172	8 hrs.	100	85.0	pass
Standard <sup>V</sup> (TWA 8 hrs.)					-	≤85	-

Remark : 1. <sup>V</sup> Notification of Department of labour protection and welfare on the standards Sound levels that allow employee's received an average duration of each work day. (Dated 13 December B.E. 2560)  
2. Measurement Reference of Notification of Department of labour protection and welfare on the standards measuring methods and analysis about the working conditions of heat, light and sound including the duration and the type of business that must be performed. (Dated 8 February B.E. 2561)



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ภาคผนวก ค-3 หน้า 6/10

## NOISE EXPOSURE ANALYSIS REPORT

Analysis No. : ND 125/2567  
Job No. : PCL 1118/67  
Report Date : November 20, 2024

Customer Name : บริษัท ไอจี ฟอรัจ (ไทยแลนด์) จำกัด  
Address : เลขที่ 150/68 หมู่ที่ 9 นิคมอุตสาหกรรมปิ่นทอง 2 ตำบลหนองขาม อำเภอสรีราชา จังหวัดชลบุรี 20110  
Measured By : Pacific Laboratory Co., Ltd.  
Sampling Source : Work Place Noise

Location/Similar Exposure Group	Measure Date	Measured Instrument		Time of performance (hr.)	Noise Dose (%)	Equivalent sound level that exposed (TWA 8 hrs.) (dBA)	Evaluation
		Model	S/N				
11. Finishing : Hanger (Magna) #1 [REDACTED]	13/11/24	Soundtek/ST-130	220100152	8 hrs.	46.14	81.6	pass
12. Finishing : Hanger (Magna) #2 [REDACTED]	16/09/24	Cirrus Research plc/ CR:110A	CB1172	8 hrs.	195	87.9	fail
Standard <sup>1/</sup> (TWA 8 hrs.)						≤85	-

Remark : 1.<sup>1/</sup> Notification of Department of labour protection and welfare on the standards Sound levels that allow employee's received an average duration of each work day. (Dated 13 December B.E. 2560)  
2. Measurement Reference of Notification of Department of labour protection and welfare on the standards measuring methods and analysis about the working conditions of heat, light and sound including the duration and the type of business that must be performed. (Dated 8 February B.E. 2561)



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ภาคผนวก ค-3 หน้า 7/10

## ANALYSIS REPORT

Analysis No. : Heat 278/2567  
Job No. : PCL 1118/67  
Report Date : September 27, 2024

Customer Name : บริษัท ไอจี พอร์จ (ไทยแลนด์) จำกัด  
Address : เลขที่ 150/68 หมู่ที่ 9 นิคมอุตสาหกรรมปิ่นทอง 2 ตำบลหนองขาม อำเภอศรีราชา จังหวัดชลบุรี 20110  
Measured Date : September 17-20, 2024  
Measured By : Pacific Laboratory Co., Ltd.  
Sampling Source : Work Place Air Temperature  
Measured Instrument : Heat Stress Monitor Quest Technologies Model QUESTemp 34 Serial Number TEI070011, TED060012, Heat Stress Monitor Quest Technologies Model QUESTemp 36 Serial Number TKJ090016, Heat Stress Monitor TSI Model QUESTemp 32 Serial Number TPW020008, Heat Stress Monitor Metrosonics Model hs-32 Serial Number MCC010001

Item	Location/Similar Exposure Group	Interval Time	Temperature (°C)					Type of Work	Work Load			Evaluation
			T <sub>NWB</sub>	T <sub>DB</sub>	T <sub>GT</sub>	WBGT In/Out	WBGT Average		Energy Used (Kcal/Hr)	Average Energy Used (Kcal/Hr)	Level of Work Load	
1.	Forging : เครื่องทุบขึ้นรูป 1600T Line 1 (Main press)	09:35 a.m.-11:35 a.m.	27.6	33.8	34.0	29.5	29.5	ควบคุม และนำชิ้นงานเข้าเครื่องจักร (120 นาที)	225	225	Moderate Work Load	pass
Standard <sup>1/</sup> (Moderate Work Load) = 32.0 WBGT												
2.	Forging : เครื่องทุบขึ้นรูป 1600T Line 2 (Main Press)	09:42 a.m.-11:42 a.m.	27.4	33.1	35.0	29.7	29.7	ควบคุม และนำชิ้นงานเข้าเครื่องจักร (120 นาที)	225	225	Moderate Work Load	pass
Standard <sup>1/</sup> (Moderate Work Load) = 32.0 WBGT												

Remark : 1. T<sub>NWB</sub> = Nature Wet Bulb Temperature  
2. T<sub>DB</sub> = Dry Bulb Temperature  
3. T<sub>GT</sub> = Globe Temperature  
4. WBGT = Wet Bulb Globe Temperature Index  
5. <sup>1/</sup> Ministerial Regulation on Standard of Safety Administration and Management, Occupational Health and Environmental Condition concerning Heat, Light and Noise, B.E. 2559 (Dated 7 October B.E. 2559) (Section 1 (Heat))  
6. Measurement Reference of Notification of Department of labour protection and welfare on the standards measuring methods and analysis about the working conditions of heat, light and sound including the duration and the type of business that must be performed. (Dated 8 February B.E. 2561)

## ANALYSIS REPORT

Analysis No. : Heat 278/2567  
Job No. : PCL 1118/67  
Report Date : September 27, 2024

Customer Name : บริษัท โอจี พอร์จ (ไทยแลนด์) จำกัด  
Address : เลขที่ 150/68 หมู่ที่ 9 นิคมอุตสาหกรรมปิ่นทอง 2 ตำบลหนองขาม อำเภอสรีราชา จังหวัดชลบุรี 20110  
Measured Date : September 17-20, 2024  
Measured By : Pacific Laboratory Co., Ltd.  
Sampling Source : Work Place Air Temperature  
Measured Instrument : Heat Stress Monitor Quest Technologies Model QUESTemp 34 Serial Number TEI070011, TED060012, Heat Stress Monitor Quest Technologies Model QUESTemp 36 Serial Number TKJ090016, Heat Stress Monitor TSI Model QUESTemp 32 Serial Number TPW020008, Heat Stress Monitor Metrosonics Model hs-32 Serial Number MCC010001

Item	Location/Similar Exposure Group	Interval Time	Temperature (°C)					Type of Work	Work Load			Evaluation
			T <sub>NWB</sub>	T <sub>DB</sub>	T <sub>GT</sub>	WBGT In/Out	WBGT Average		Energy Used (Kcal/Hr)	Average Energy Used (Kcal/Hr)	Level of Work Load	
3.	Forging : เครื่องทุบขึ้นรูป 3000T (Main press)	09:24 a.m.-11:24 a.m.	26.4	31.6	34.3	28.8	28.8	ควบคุม และนำชิ้นงานเข้าเครื่องจักร (120 นาที)	225	225	Moderate Work Load	pass
Standard <sup>1/</sup> (Moderate Work Load) = 32.0 WBGT												
4.	4500T : เครื่องทุบขึ้นรูป 4500T (Main press)	09:08 a.m.-11:08 a.m.	25.2	31.1	33.3	27.6	27.6	ควบคุม และนำชิ้นงานเข้าเครื่องจักร (120 นาที)	225	225	Moderate Work Load	pass
Standard <sup>1/</sup> (Moderate Work Load) = 32.0 WBGT												

Remark : 1. T<sub>NWB</sub> = Nature Wet Bulb Temperature  
2. T<sub>DB</sub> = Dry Bulb Temperature  
3. T<sub>GT</sub> = Globe Temperature  
4. WBGT = Wet Bulb Globe Temperature Index  
5. <sup>1/</sup> Ministerial Regulation on Standard of Safety Administration and Management, Occupational Health and Environmental Condition concerning Heat, Light and Noise, B.E. 2559 (Dated 7 October B.E. 2559) (Section 1 : Heat)  
6. Measurement Reference of Notification of Department of labour protection and welfare on the standards measuring methods and analysis about the working conditions of heat, light and sound including the duration and the type of business that must be performed. (Dated 8 February B.E. 2561)

## ANALYSIS REPORT

Analysis No. : Heat 278/2567  
Job No. : PCL 1118/67  
Report Date : September 27, 2024

Customer Name : บริษัท ไอจี ฟอรัจ (ไทยแลนด์) จำกัด  
Address : เลขที่ 150/68 หมู่ที่ 9 นิคมอุตสาหกรรมปิ่นทอง 2 ตำบลหนองขาม อำเภอสรีราชา จังหวัดชลบุรี 20110  
Measured Date : September 17-20, 2024  
Measured By : Pacific Laboratory Co., Ltd.  
Sampling Source : Work Place Air Temperature  
Measured Instrument : Heat Stress Monitor Quest Technologies Model QUESTemp 34 Serial Number TEI070011, TED060012, Heat Stress Monitor Quest Technologies Model QUESTemp 36 Serial Number TKJ090016, Heat Stress Monitor TSI Model QUESTemp 32 Serial Number TPW020008, Heat Stress Monitor Metrosonics Model hs-32 Serial Number MCC010001

Item	Location/Similar Exposure Group	Interval Time	Temperature (°C)					Type of Work	Work Load			Evaluation
			T <sub>NWB</sub>	T <sub>DB</sub>	T <sub>GT</sub>	WBGT In/Out	WBGT Average		Energy Used (Kcal/Hr)	Average Energy Used (Kcal/Hr)	Level of Work Load	
5.	Forging : Screw press No. 1 (Main press)	02:10 p.m.-04:10 p.m.	27.3	34.7	35.1	29.6	29.6	ควบคุม และนำชิ้นงานเข้าเครื่องจักร (120 นาที)	225	225	Moderate Work Load	pass
Standard <sup>1/</sup> (Moderate Work Load) = 32.0 WBGT												
6.	Forging : Screw press No. 2 (Main press)	01:50 p.m.-03:50 p.m.	26.7	33.7	33.9	28.9	28.9	ควบคุม และนำชิ้นงานเข้าเครื่องจักร (120 นาที)	225	225	Moderate Work Load	pass
Standard <sup>1/</sup> (Moderate Work Load) = 32.0 WBGT												

Remark : 1. T<sub>NWB</sub> = Nature Wet Bulb Temperature  
2. T<sub>DB</sub> = Dry Bulb Temperature  
3. T<sub>GT</sub> = Globe Temperature  
4. WBGT = Wet Bulb Globe Temperature Index  
5. <sup>1/</sup> Ministerial Regulation on Standard of Safety Administration and Management, Occupational Health and Environmental Condition concerning Heat, Light and Noise, B.E. 2559 (Dated 7 October B.E. 2559) Section 1 (Heat)  
6. Measurement Reference of Notification of Department of labour protection and welfare on the standards measuring methods and analysis about the working conditions of heat, light and sound including the duration and the type of business that must be performed. (Dated 8 February B.E. 2561)

License No. 0401-03-2565-0012

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REPORT ANALYSIS REFERS TO SUBMITTED SAMPLE (S) ONLY

ภาคผนวก ค-3 หน้า 10/10

## ภาคผนวก ค-4

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ใบรายงานผลการตรวจวัดคุณภาพน้ำทิ้ง

## Test Report

Request No : W6707257

Report No : 6707-1979

Customer : Aichi Forge (Thailand) Co.,Ltd.

Address : 150/68 Pinthong Industrial Estate #2 Moo 9, Nongkham, Sriracha, Chonburi 20230

Sampling Source : Pinthong Industrial Park 2

Sample No : W 67070796

Sample Name : น้ำขากอกระบบ Septic

Sampling Date : 09/07/2024

Sampling By : ETC

Sampling Time : 8:40 AM

Sampling Method : Grab

Received Date : 10/07/2024

Tested Date : 10/07/2024 - 16/07/2024

Reported Date : 31/07/2024

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Biochemical Oxygen Demand	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	< 2.0	≤500
Chemical Oxygen Demand	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	< 40	≤750
Color(Original)	ADMI	ADMI Weighted Ordinate Spectrophotometric Method (SM:2120F)	< 20	≤600
Color(pH 7.0)	ADMI	ADMI Weighted Ordinate Spectrophotometric Method (SM:2120F)	20	≤600
Oil and Grease	mg/L	Liquid-Liquid, Partition-Gravimetric Method (SM:5520B)	< 3.0	≤10
pH (on site)		Electrometric Method	7.2	5.5-9.0

Physical Apperance : 1. Sample : yellowish, lightly SS

2. Container : Normal [ PE 0.5 L , PE 1.0 L , PE 1.8 L, G 1.0 L]

Remark : 1. /1 Notification of Industrial Estate Authority of Thailand 029 / 2567 (2024)

2. SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 24th Edition, 2023.

3. Sampling By Mr. Metee Sukprasert (7-003-ค-0035)

Exami

31/07/2024

บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

31/07/2024

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Page 1 of 2

## Test Report

Request No : W6707257

Report No : 6707-1979

Customer : Aichi Forge (Thailand) Co.,Ltd.

Address : 150/68 Pinthong Industrial Estate #2 Moo 9, Nongkham, Sriracha, Chonburi 20230

Sampling Source : Pinthong Industrial Park 2

Sample No : W 67070796

Sample Name : น้ำขาออกระบบ Septic

Sampling Date : 09/07/2024

Sampling By : ETC

Sampling Time : 8:40 AM

Sampling Method : Grab

Received Date : 10/07/2024

Tested Date : 10/07/2024 - 16/07/2024

Reported Date : 31/07/2024

Parameter	Unit	Method	Result	Standard/ <sup>1</sup>
Temperature	°C	Laboratory and Field Method (SM:2550 B)	30	≤45
Total Dissolved Solids	mg/L	Dried at 180 degree celsius (SM:2540C)	526	≤3000
Total Kjeldahl Nitrogen	mg/L as NH <sub>3</sub> -N	Macro Kjeldahl Method (SM:4500 -Norg B)	14	≤100
Total Suspended Solids	mg/L	Dried at 103-105 degree celsius (SM:2540D)	5	≤200

Physical Apperance : 1. Sample : yellowish, lightly SS

2. Container : Normal [ PE 0.5 L , PE 1.0 L , PE 1.8 L , G 1.0 L ]

Remark : 1. /1 Notification of Industrial Estate Authority of Thailand 029 / 2567 (2024)

2. SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 24th Edition, 2023.

3. Sampling By Mr. Metee Sukprasert (ว-003-ค-0035)

Exa

31/07/2024

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31/07/2024

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## Test Report

Request No : W6707257

Report No : 6707-1981

Customer : Aichi Forge (Thailand) Co.,Ltd.

Address : 150/68 Pinthong Industrial Estate #2 Moo 9, Nongkham, Sriracha, Chonburi 20230

Sampling Source : Pinthong Industrial Park 2

Sample No : W 67070798

Sample Name : น้ำขาออกระบบเคมี

Sampling Date : 09/07/2024

Sampling By : ETC

Sampling Time : 8:45 AM

Sampling Method : Grab

Received Date : 10/07/2024

Tested Date : 10/07/2024 - 17/07/2024

Reported Date : 31/07/2024

Parameter	Unit	Method	Result	Standard/l
Biochemical Oxygen Demand	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	11.4	≤500
Chemical Oxygen Demand	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	< 40	≤750
Color (Original)	ADMI	ADMI Weighted Ordinate Spectrophotometric Method (SM:2120F)	< 20	≤600
Color (pH 7.0)	ADMI	ADMI Weighted Ordinate Spectrophotometric Method (SM:2120F)	< 20	≤600
Lead	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤0.2

Physical Appearance : 1. Sample : slightly - gray, lightly SS

2. Container : Normal [ PE 0.5 L (2 Bottle) , PE 1.0 L , PE 1.8 L, G 1.0 L ]

Remark : 1. /1 Notification of Industrial Estate Authority of Thailand 029 / 2567 (2024)

2. SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 24th Edition, 2023.

3. Sampling By Mr. Metee Sukprasert (ว-003-ค-0035)

Examined

31/07/2024

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31/07/2024

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Page 1 of 2

## Test Report

Request No : W6707257

Report No : 6707-1981

Customer : Aichi Forge (Thailand) Co.,Ltd.

Address : 150/68 Pinthong Industrial Estate #2 Moo 9, Nongkham, Sriracha, Chonburi 20230

Sampling Source : Pinthong Industrial Park 2

Sample No : W 67070798

Sample Name : น้ำขาออกระบบเคมี

Sampling Date : 09/07/2024

Sampling By : ETC

Sampling Time : 8:45 AM

Sampling Method : Grab

Received Date : 10/07/2024

Tested Date : 10/07/2024 - 17/07/2024

Reported Date : 31/07/2024

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Oil and Grease	mg/L	Liquid-Liquid, Partition-Gravimetric Method (SM:5520B)	< 3.0	≤10
pH (on site)		Electrometric Method	7.0	5.5-9.0
Temperature	°C	Laboratory and Field Method (SM:2550 B)	31	≤45
Total Dissolved Solids	mg/L	Dried at 180 degree celsius (SM:2540C)	1,772	≤3000
Total Kjeldahl Nitrogen	mg/L as NH <sub>3</sub> -N	Macro Kjeldahl Method (SM:4500 -Norg B)	< 5	≤100
Total Suspended Solids	mg/L	Dried at 103-105 degree celsius (SM:2540D)	7	≤200

Physical Apperance : 1. Sample : slightly - gray, lightly SS

2. Container : Normal [ PE 0.5 L(2 Bottle) , PE 1.0 L , PE 1.8 L, G 1.0 L ]

Remark : 1. /1 Notification of Industrial Estate Authority of Thailand 029 / 2567 (2024)

2. SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 24th Edition, 2023.

3. Sampling By Mr. Metee Sukprasert (ว-003-ค-0035)

Examined

31/07/2024

31/07/2024

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Test Report

Request No : W6708238

Report No : 6708-1070

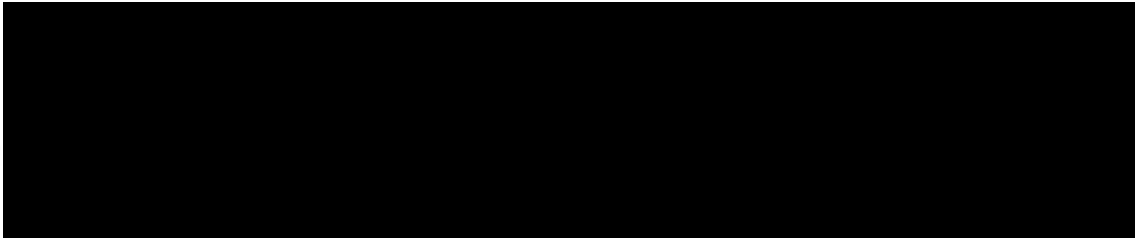
Customer : Aichi Forge (Thailand) Co.,Ltd.  
Address : 150/68 Pinthong Industrial Estrate #2 Moo 9, Nongkham, Sriracha, Chonburi 20230  
Sampling Source : Pinthong Industrial Park 2 Sample No : W 67080733  
Sample Name : น้ำออกระบบ Septic Sampling Date : 07/08/2024  
Sampling By : ETC Sampling Time : 1:20 PM  
Sampling Method : Grab Received Date : 08/08/2024  
Tested Date : 08/08/2024 - 16/08/2024 Reported Date : 20/08/2024

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Biochemical Oxygen Demand	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	5.2	≤500
Chemical Oxygen Demand	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	< 40	≤750
Color (Original)	ADMI	ADMI Weighted Ordinate Spectrophotometric Method (SM:2120F)	< 20	≤600
Color (pH 7.0)	ADMI	ADMI Weighted Ordinate Spectrophotometric Method (SM:2120F)	< 20	≤600
Oil and Grease	mg/L	Liquid-Liquid, Partition-Gravimetric Method (SM:5520B)	< 3.0	≤10
pH (on site)		Electrometric Method	7.6	5.5-9.0

Physical Apperance : 1. Sample : yellowish, lightly SS  
2. Container : Normal [ PE 0.5 L , PE 1.0 L , PE 1.8 L, G 1.0 L]

Remark : 1. /1 Notification of Industrial Estate Authority of Thailand 029 / 2567 (2024)  
2. SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 24th Edition, 2023.  
3. Sampling By Mr. Songpon Phiwuan (ว-003-ท-0016)

Examined



20/08/2024

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20/08/2024

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## Test Report

Request No : W6708238

Report No : 6708-1070

Customer : Aichi Forge (Thailand) Co.,Ltd.

Address : 150/68 Pinthong Industrial Estrate #2 Moo 9, Nongkham, Sriracha, Chonburi 20230

Sampling Source : Pinthong Industrial Park 2

Sample No : W 67080733

Sample Name : น้ำออกระบบ Septic

Sampling Date : 07/08/2024

Sampling By : ETC

Sampling Time : 1:20 PM

Sampling Method : Grab

Received Date : 08/08/2024

Tested Date : 08/08/2024 - 16/08/2024

Reported Date : 20/08/2024

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Temperature	°C	Laboratory and Field Method (SM:2550 B)	31	≤45
Total Dissolved Solids	mg/L	Dried at 180 degree celsius (SM:2540C)	229	≤3000
Total Kjeldahl Nitrogen	mg/L as NH <sub>3</sub> -N	Macro Kjeldahl Method (SM:4500 -Norg B)	< 5	≤100
Total Suspended Solids	mg/L	Dried at 103-105 degree celsius (SM:2540D)	7	≤200

Physical Apperance : 1. Sample : yellowish, lightly SS

2. Container : Normal [ PE 0.5 L , PE 1.0 L , PE 1.8 L , G 1.0 L ]

Remark : 1. /1 Notification of Industrial Estate Authority of Thailand 029 / 2567 (2024)

2. SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 24th Edition, 2023.

3. Sampling By Mr. Songpon Phiwan (2-003-ท-0016)

Examined By

20/08/2024

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20/08/2024

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Test Report

Request No : W6708238

Report No : 6708-1071

Customer : Aichi Forge (Thailand) Co.,Ltd.

Address : 150/68 Pinthong Industrial Estrate #2 Moo 9, Nongkham, Sriracha, Chonburi 20230

Sampling Source : Pinthong Industrial Park 2

Sample No : W 67080734

Sample Name : น้ำออกระบบเคมี

Sampling Date : 07/08/2024

Sampling By : ETC

Sampling Time : 1:30 PM

Sampling Method : Grab

Received Date : 08/08/2024

Tested Date : 08/08/2024 - 17/08/2024

Reported Date : 20/08/2024

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Biochemical Oxygen Demand	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	4.7	≤500
Chemical Oxygen Demand	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	41	≤750
Color(Original)	ADMI	ADMI Weighted Ordinate Spectrophotometric Method (SM:2120F)	< 20	≤600
Color(pH 7.0)	ADMI	ADMI Weighted Ordinate Spectrophotometric Method (SM:2120F)	< 20	≤600
Lead	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤0.2

Physical Apperance : 1. Sample : lightly SS

2. Container : Normal [ PE 0.5 L(2 Bottle) , PE 1.0 L , PE 1.8 L, G 1.0 L ]

Remark : 1. /I Notification of Industrial Estate Authority of Thailand 029 / 2567 (2024)

2. SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 24th Edition, 2023.

3. Sampling By Mr. Songpon Phiwuan (ว-003-ก-0016)

Exami

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## Test Report

Request No : W6708238

Report No : 6708-1071

Customer : Aichi Forge (Thailand) Co.,Ltd.

Address : 150/68 Pinthong Industrial Estate #2 Moo 9, Nongkham, Sriracha, Chonburi 20230

Sampling Source : Pinthong Industrial Park 2

Sample No : W 67080734

Sample Name : น้ำออกระบบเคมี

Sampling Date : 07/08/2024

Sampling By : ETC

Sampling Time : 1:30 PM

Sampling Method : Grab

Received Date : 08/08/2024

Tested Date : 08/08/2024 - 17/08/2024

Reported Date : 20/08/2024

Parameter	Unit	Method	Result	Standard/ <sup>1</sup>
Oil and Grease	mg/L	Liquid-Liquid, Partition-Gravimetric Method (SM:5520B)	< 3.0	≤10
pH (on site)		Electrometric Method	8.0	5.5-9.0
Temperature	°C	Laboratory and Field Method (SM:2550 B)	31	≤45
Total Dissolved Solids	mg/L	Dried at 180 degree celsius (SM:2540C)	1,656	≤3000
Total Kjeldahl Nitrogen	mg/L as NH <sub>3</sub> -N	Macro Kjeldahl Method (SM:4500 -Norg B)	< 5	≤100
Total Suspended Solids	mg/L	Dried at 103-105 degree celsius (SM:2540D)	< 5	≤200

Physical Apperance : 1. Sample : lightly SS

2. Container : Normal [ PE 0.5 L(2 Bottle) , PE 1.0 L , PE 1.8 L, G 1.0 L ]

Remark : 1. /1 Notification of Industrial Estate Authority of Thailand 029 / 2567 (2024)

2. SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 24th Edition, 2023.

3. Sampling By Mr. Songpon Phiwan (ว-003-ท-0016)

Examined By

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## Test Report

Request No : W6709323

Report No : 6709-1423

Customer : Aichi Forge (Thailand) Co.,Ltd.

Address : 150/68 Pinthong Industrial Estrate #2 Moo 9, Nongkham, Sriracha, Chonburi 20230

Sampling Source : Pinthong Industrial Park 2

Sample No : W 67091185

Sample Name : น้ำออกระบบ Septic

Sampling Date : 11/09/2024

Sampling By : ETC

Sampling Time : 9:00 AM

Sampling Method : Grab

Received Date : 12/09/2024

Tested Date : 12/09/2024 - 18/09/2024

Reported Date : 20/09/2024

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Biochemical Oxygen Demand	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	6.4	≤500
Chemical Oxygen Demand	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	< 40	≤750
Color(Original)	ADMI	ADMI Weighted Ordinate Spectrophotometric Method (SM:2120F)	< 20	≤600
Color(pH 7.0)	ADMI	ADMI Weighted Ordinate Spectrophotometric Method (SM:2120F)	< 20	≤600
Oil and Grease	mg/L	Liquid-Liquid, Partition-Gravimetric Method (SM:5520B)	< 3.0	≤10
pH (on site)		Electrometric Method	6.4	5.5-9.0

Physical Apperance : 1. Sample : yellow, lightly SS

2. Container : Normal [ PE 0.5 L , PE 1.0 L , PE 1.8 L, G 1.0 L ]

Remark : 1. /1 Notification of Industrial Estate Authority of Thailand 029 / 2567 (2024)

2. SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 24th Edition, 2023.

3. Sampling By Mr. Parkpoom Buasawad (ว-003-ค-0017)

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## Test Report

Request No : W6709323

Report No : 6709-1423

Customer : Aichi Forge (Thailand) Co., Ltd.

Address : 150/68 Pinthong Industrial Estate #2 Moo 9, Nongkham, Sriracha, Chonburi 20230

Sampling Source : Pinthong Industrial Park 2

Sample No : W 67091185

Sample Name : น้ำออกระบบ Septic

Sampling Date : 11/09/2024

Sampling By : ETC

Sampling Time : 9:00 AM

Sampling Method : Grab

Received Date : 12/09/2024

Tested Date : 12/09/2024 - 18/09/2024

Reported Date : 20/09/2024

Parameter	Unit	Method	Result	Standard/ <sup>1</sup>
Temperature	°C	Laboratory and Field Method (SM:2550 B)	31	≤45
Total Dissolved Solids	mg/L	Dried at 180 degree celsius (SM:2540C)	134	≤3000
Total Kjeldahl Nitrogen	mg/L as NH <sub>3</sub> -N	Macro Kjeldahl Method (SM:4500 -Norg B)	< 5	≤100
Total Suspended Solids	mg/L	Dried at 103-105 degree celsius (SM:2540D)	9	≤200

Physical Appearance : 1. Sample : yellow, lightly SS

2. Container : Normal [ PE 0.5 L , PE 1.0 L , PE 1.8 L , G 1.0 L ]

Remark : 1. /I Notification of Industrial Estate Authority of Thailand 029 / 2567 (2024)

2. SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 24th Edition, 2023.

3. Sampling By Mr. Parkpoom Buasawad (ว-003-ก-0017)

Examined

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Page 2 of 2

## Test Report

Request No : W6709323

Report No : 6709-1424

Customer : Aichi Forge (Thailand) Co.,Ltd.

Address : 150/68 Pinthong Industrial Estrate #2 Moo 9, Nongkham, Sriracha, Chonburi 20230

Sampling Source : Pinthong Industrial Park 2

Sample No : W 67091186

Sample Name : น้ำออกระบบเคมี

Sampling Date : 11/09/2024

Sampling By : ETC

Sampling Time : 9:10 AM

Sampling Method : Grab

Received Date : 12/09/2024

Tested Date : 12/09/2024 - 18/09/2024

Reported Date : 20/09/2024

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Biochemical Oxygen Demand	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	5.4	≤500
Chemical Oxygen Demand	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	82	≤750
Color(Original)	ADMI	ADMI Weighted Ordinate Spectrophotometric Method (SM:2120F)	< 20	≤600
Color(pH 7.0)	ADMI	ADMI Weighted Ordinate Spectrophotometric Method (SM:2120F)	< 20	≤600
Lead	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤0.2

Physical Apperance : 1. Sample : yellowish, lightly SS

2. Container : Normal [ PE 0.5 L(2 Bottle) , PE 1.0 L , PE 1.8 L, G 1.0 L ]

Remark : 1. /1 Notification of Industrial Estate Authority of Thailand 029 / 2567 (2024)

2. SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 24th Edition, 2023.

3. Sampling By Mr. Parkpoom Buasawad (ว-003-ค-0017)

Examined By

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## Test Report

Request No : W6709323

Report No : 6709-1424

Customer : Aichi Forge (Thailand) Co.,Ltd.

Address : 150/68 Pinthong Industrial Estrate #2 Moo 9, Nongkham, Sriracha, Chonburi 20230

Sampling Source : Pinthong Industrial Park 2

Sample No : W 67091186

Sample Name : น้ำออกระบบเคมี

Sampling Date : 11/09/2024

Sampling By : ETC

Sampling Time : 9:10 AM

Sampling Method : Grab

Received Date : 12/09/2024

Tested Date : 12/09/2024 - 18/09/2024

Reported Date : 20/09/2024

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Oil and Grease	mg/L	Liquid-Liquid, Partition-Gravimetric Method (SM:5520B)	< 3.0	≤10
pH (on site)		Electrometric Method	6.8	5.5-9.0
Temperature	°C	Laboratory and Field Method (SM:2550 B)	31	≤45
Total Dissolved Solids	mg/L	Dried at 180 degree celsius (SM:2540C)	1,740	≤3000
Total Kjeldahl Nitrogen	mg/L as NH <sub>3</sub> -N	Macro Kjeldahl Method (SM:4500 -Norg B)	< 5	≤100
Total Suspended Solids	mg/L	Dried at 103-105 degree celsius (SM:2540D)	< 5	≤200

Physical Apperance : 1. Sample : yellowish, lightly SS

2. Container : Normal [ PE 0.5 L(2 Bottle) , PE 1.0 L , PE 1.8 L, G 1.0 L ]

Remark : 1. /1 Notification of Industrial Estate Authority of Thailand 029 / 2567 (2024)

2. SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 24th Edition, 2023.

3. Sampling By Mr. Parkpoom Buasawad (ว-003-ค-0017)

Examine

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## Test Report

Request No : W6710303

Report No : 6710-1652

Customer : Aichi Forge (Thailand) Co.,Ltd.

Address : 150/68 Pinthong Industrial Estrate #2 Moo 9, Nongkham, Sriracha, Chonburi 20230

Sampling Source : Pinthong Industrial Park 2

Sample No : W 67100959

Sample Name : น้ำข่อยในระบบ Septic

Sampling Date : 09/10/2024

Sampling By : ETC

Sampling Time : 8:35 AM

Sampling Method : Grab

Received Date : 10/10/2024

Tested Date : 10/10/2024 - 18/10/2024

Reported Date : 29/10/2024

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Biochemical Oxygen Demand	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	5.1	≤500
Chemical Oxygen Demand	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	< 40	≤750
Color(Original)	ADMI	ADMI Weighted Ordinate Spectrophotometric Method (SM:2120F)	30	≤600
Color(pH 7.0)	ADMI	ADMI Weighted Ordinate Spectrophotometric Method (SM:2120F)	30	≤600
Oil and Grease	mg/L	Liquid-Liquid, Partition-Gravimetric Method (SM:5520B)	< 3.0	≤10
pH (on site)		Electrometric Method	7.3	5.5-9.0

Physical Apperance : 1. Sample : lightly SS

2. Container : Normal [ PE 0.5 L, PE 1.0 L, PE 1.8 L, G 1.0 L ]

Remark : 1. /1 Notification of Industrial Estate Authority of Thailand 029 / 2567 (2024)

2. SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 24th Edition, 2023.

3. Sampling By Miss Pornpinan Viriyakusolkul (ว-003-ท-0036)

Examined

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Page 1 of 2

## Test Report

Request No : W6710303

Report No : 6710-1652

Customer : Aichi Forge (Thailand) Co.,Ltd.

Address : 150/68 Pinthong Industrial Estate #2 Moo 9, Nongkham, Sriracha, Chonburi 20230

Sampling Source : Pinthong Industrial Park 2

Sample No : W 67100959

Sample Name : น้ำขาออกระบบ Septic

Sampling Date : 09/10/2024

Sampling By : ETC

Sampling Time : 8:35 AM

Sampling Method : Grab

Received Date : 10/10/2024

Tested Date : 10/10/2024 - 18/10/2024

Reported Date : 29/10/2024

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Temperature	°C	Laboratory and Field Method (SM:2550 B)	26	≤45
Total Dissolved Solids	mg/L	Dried at 180 degree celsius (SM:2540C)	362	≤3000
Total Kjeldahl Nitrogen	mg/L as NH <sub>3</sub> -N	Macro Kjeldahl Method (SM:4500 -Norg B)	15	≤100
Total Suspended Solids	mg/L	Dried at 103-105 degree celsius (SM:2540D)	< 5	≤200

Physical Appearance : 1. Sample : lightly SS

2. Container : Normal [ PE 0.5 L, PE 1.0 L, PE 1.8 L, G 1.0 L ]

Remark : 1. /1 Notification of Industrial Estate Authority of Thailand 029 / 2567 (2024)

2. SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 24th Edition, 2023.

3. Sampling By Miss Pornpinan Viriyakusolkul (3-003-0036)

Examine

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Page 2 of 2



Test Report

Request No : W6710303

Report No : 6710-1654

Customer : Aichi Forge (Thailand) Co.,Ltd.

Address : 150/68 Pinthong Industrial Estrate #2 Moo 9, Nongkham, Sriracha, Chonburi 20230

Sampling Source : Pinthong Industrial Park 2

Sample No : W 67100961

Sample Name : น้ำขำออกระบบเคมี

Sampling Date : 09/10/2024

Sampling By : ETC

Sampling Time : 8:40 AM

Sampling Method : Grab

Received Date : 10/10/2024

Tested Date : 10/10/2024 - 18/10/2024

Reported Date : 29/10/2024

Parameter	Unit	Method	Result	Standard/l
Biochemical Oxygen Demand	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	3.3	≤500
Chemical Oxygen Demand	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	74	≤750
Color(Original)	ADMI	ADMI Weighted Ordinate Spectrophotometric Method (SM:2120F)	26	≤600
Color(pH 7.0)	ADMI	ADMI Weighted Ordinate Spectrophotometric Method (SM:2120F)	25	≤600
Lead	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤0.2

Physical Apperance : 1. Sample : yellowish, lightly SS  
2. Container : Normal [ PE 0.5 L [ 2 Bottle], PE 1.0 L, PE 1.8 L, G 1.0 L ]

Remark : 1. /1 Notification of Industrial Estate Authority of Thailand 029 / 2567 (2024)  
2. SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 24th Edition, 2023.  
3. Sampling By Miss Pornpinan Viriyakusolkul (ว-003-ท-0036)

Examine

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Page 1 of 2

## Test Report

Request No : W6710303

Report No : 6710-1654

Customer : Aichi Forge (Thailand) Co.,Ltd.

Address : 150/68 Pinthong Industrial Estate #2 Moo 9, Nongkham, Sriracha, Chonburi 20230

Sampling Source : Pinthong Industrial Park 2

Sample No : W 67100961

Sample Name : น้ำขาออกระบบเคมี

Sampling Date : 09/10/2024

Sampling By : ETC

Sampling Time : 8:40 AM

Sampling Method : Grab

Received Date : 10/10/2024

Tested Date : 10/10/2024 - 18/10/2024

Reported Date : 29/10/2024

Parameter	Unit	Method	Result	Standard/ <sup>1</sup>
Oil and Grease	mg/L	Liquid-Liquid, Partition-Gravimetric Method (SM:5520B)	8.5	≤10
pH (on site)		Electrometric Method	7.0	5.5-9.0
Temperature	°C	Laboratory and Field Method (SM:2550 B)	27	≤45
Total Dissolved Solids	mg/L	Dried at 180 degree celsius (SM:2540C)	1,588	≤3000
Total Kjeldahl Nitrogen	mg/L as NH <sub>3</sub> -N	Macro Kjeldahl Method (SM:4500 -Norg B)	< 5	≤100
Total Suspended Solids	mg/L	Dried at 103-105 degree celsius (SM:2540D)	7	≤200

Physical Apperance : 1. Sample : yellowish, lightly SS

2. Container : Normal [ PE 0.5 L [ 2 Bottle], PE 1.0 L, PE 1.8 L, G 1.0 L ]

Remark : 1. /1 Notification of Industrial Estate Authority of Thailand 029 / 2567 (2024)

2. SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 24th Edition, 2023.

3. Sampling By Miss Pornpinan Viriyakusolkul (ว-003-ค-0036)

Examine

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Page 2 of 2



Test Report

Request No : W6711345  
Report No : 6711-1469

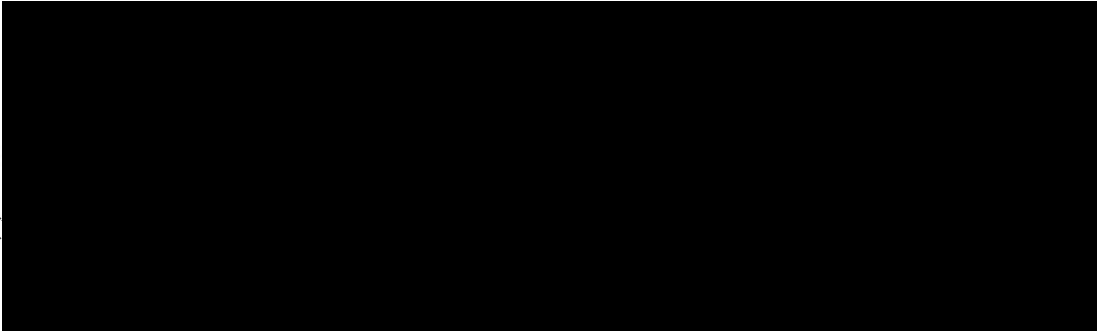
Customer : Aichi Forge (Thailand) Co.,Ltd.  
Address : 150/68 Pinthong Industrial Estate #2 Moo 9, Nongkham, Sriracha, Chonburi 20230  
Sampling Source : Pinthong Industrial Park 2  
Sample Name : น้ำออกระบบ Septic  
Sampling By : ETC  
Sampling Method : Grab  
Tested Date : 13/11/2024 - 20/11/2024  
Sample No : W 67111050  
Sampling Date : 12/11/2024  
Sampling Time : 8:45 AM  
Received Date : 13/11/2024  
Reported Date : 23/11/2024

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Biochemical Oxygen Demand	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	5.8	≤500
Chemical Oxygen Demand	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	< 40	≤750
Color (Original)	ADMI	ADMI Weighted Ordinate Spectrophotometric Method (SM:2120F)	24	≤600
Color (pH 7.0)	ADMI	ADMI Weighted Ordinate Spectrophotometric Method (SM:2120F)	22	≤600
Oil and Grease	mg/L	Liquid-Liquid, Partition-Gravimetric Method (SM:5520B)	< 3.0	≤10
pH (on site)		Electrometric Method	7.3	5.5-9.0

Physical Apperance : 1. Sample : yellowish, lightly SS  
2. Container : Normal [ PE 0.5 L [ 2 Bottle], PE 1.0 L, PE 1.8 L, G 1.0 L ]

Remark : 1. /I Notification of Industrial Estate Authority of Thailand 029 / 2567 (2024)  
2. SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 24th Edition, 2023.  
3. Sampling By Mr. Songpon Phiwuan (J-003-ท-0016)

Examined By



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Test Report

Request No :W6711345

Report No :6711-1469

Customer : Aichi Forge (Thailand) Co.,Ltd.

Address : 150/68 Pinthong Industrial Estrate #2 Moo 9, Nongkham, Sriracha, Chonburi 20230

Sampling Source : Pinthong Industrial Park 2

Sample No : W 67111050

Sample Name : น้ำออกระบบ Septic

Sampling Date : 12/11/2024

Sampling By : ETC

Sampling Time : 8:45 AM

Sampling Method : Grab

Received Date : 13/11/2024

Tested Date : 13/11/2024 - 20/11/2024

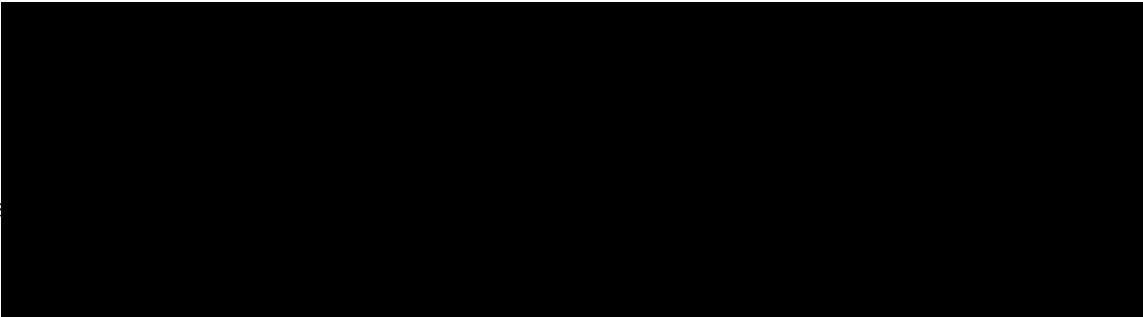
Reported Date : 23/11/2024

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Temperature	°C	Laboratory and Field Method (SM:2550 B)	30	≤45
Total Dissolved Solids	mg/L	Dried at 180 degree celsius (SM:2540C)	372	≤3000
Total Kjeldahl Nitrogen	mg/L as NH <sub>3</sub> -N	Macro Kjeldahl Method (SM:4500 -Norg B)	17	≤100
Total Suspended Solids	mg/L	Dried at 103-105 degree celsius (SM:2540D)	<5	≤200

Physical Apperance : 1. Sample : yellowish, lightly SS  
2. Container : Normal [ PE 0.5 L [ 2 Bottle], PE 1.0 L, PE 1.8 L, G 1.0 L ]

Remark : 1. /1 Notification of Industrial Estate Authority of Thailand 029 / 2567 (2024)  
2. SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 24th Edition, 2023.  
3. Sampling By Mr. Songpon Phiwuan (ว-003-ท-0016)

Examined By



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Test Report

Request No : W6711345  
Report No : 6711-1470

Customer : Aichi Forge (Thailand) Co.,Ltd.  
Address : 150/68 Pinthong Industrial Estate #2 Moo 9, Nongkham, Sriracha, Chonburi 20230  
Sampling Source : Pinthong Industrial Park 2 Sample No : W 67111051  
Sample Name : น้ำออกระบบเคมี Sampling Date : 12/11/2024  
Sampling By : ETC Sampling Time : 8:47 AM  
Sampling Method : Grab Received Date : 13/11/2024  
Tested Date : 13/11/2024 - 20/11/2024 Reported Date : 23/11/2024

Parameter	Unit	Method	Result	Standard/ <sup>1</sup>
Biochemical Oxygen Demand	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	6.3	≤500
Chemical Oxygen Demand	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	45	≤750
Color (Original)	ADMI	ADMI Weighted Ordinate Spectrophotometric Method (SM:2120F)	< 20	≤600
Color (pH 7.0)	ADMI	ADMI Weighted Ordinate Spectrophotometric Method (SM:2120F)	< 20	≤600
Lead	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤0.2

Physical Appearance : 1. Sample : yellow, lightly SS  
2. Container : Normal [ PE 0.5 L [ 2 Bottle], PE 1.0 L, PE 1.8 L, G 1.0 L ]

Remark : 1. /1 Notification of Industrial Estate Authority of Thailand 029 / 2567 (2024)  
2. SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 24th Edition, 2023.  
3. Sampling By Mr. Songpon Phiwan (ว-003-ค-0016)

Examined By

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Test Report

Request No : W6711345  
Report No : 6711-1470

Customer : Aichi Forge (Thailand) Co.,Ltd.  
Address : 150/68 Pinthong Industrial Estate #2 Moo 9, Nongkham, Sriracha, Chonburi 20230  
Sampling Source : Pinthong Industrial Park 2  
Sample Name : น้ำออกระบบเคมี  
Sampling By : ETC  
Sampling Method : Grab  
Tested Date : 13/11/2024 - 20/11/2024  
Sample No : W 67111051  
Sampling Date : 12/11/2024  
Sampling Time : 8:47 AM  
Received Date : 13/11/2024  
Reported Date : 23/11/2024

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Oil and Grease	mg/L	Liquid-Liquid, Partition-Gravimetric Method (SM:5520B)	< 3.0	≤10
pH (on site)		Electrometric Method	6.7	5.5-9.0
Temperature	°C	Laboratory and Field Method (SM:2550 B)	30	≤45
Total Dissolved Solids	mg/L	Dried at 180 degree celsius (SM:2540C)	1,628	≤3000
Total Kjeldahl Nitrogen	mg/L as NH <sub>3</sub> -N	Macro Kjeldahl Method (SM:4500 -Norg B)	< 5	≤100
Total Suspended Solids	mg/L	Dried at 103-105 degree celsius (SM:2540D)	7	≤200

Physical Apperance : 1. Sample : yellow, lightly SS  
2. Container : Normal [ PE 0.5 L [ 2 Bottle], PE 1.0 L, PE 1.8 L, G 1.0 L ]

Remark : 1. /I Notification of Industrial Estate Authority of Thailand 029 / 2567 (2024)  
2. SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 24th Edition, 2023.  
3. Sampling By Mr. Songpon Phiwuan (ว-003-ท-0016)

Examined

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Test Report

		Request No	:W6712316
		Report No	:6712-1523
Customer	: Aichi Forge (Thailand) Co.,Ltd.		
Address	: 150/68 Pinthong Industrial Estate #2 Moo 9, Nongkham, Sriracha, Chonburi 20230		
Sampling Source	: Pinthong Industrial Park 2	Sample No	: W 67120974
Sample Name	: น้ำออกรบบ Septic	Sampling Date	: 11/12/2024
Sampling By	: ETC	Sampling Time	: 8:30 AM
Sampling Method	: Grab	Received Date	: 12/12/2024
Tested Date	: 12/12/2024 - 19/12/2024	Reported Date	: 23/12/2024

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Biochemical Oxygen Demand	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	4.7	≤500
Chemical Oxygen Demand	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	< 40	≤750
Color (Original)	ADMI	ADMI Weighted Ordinate Spectrophotometric Method (SM:2120F)	< 20	≤600
Color (pH 7.0)	ADMI	ADMI Weighted Ordinate Spectrophotometric Method (SM:2120F)	< 20	≤600
Oil and Grease	mg/L	Liquid-Liquid, Partition-Gravimetric Method (SM:5520B)	< 3.0	≤10
pH (on site)		Electrometric Method	7.5	5.5-9.0

Physical Apperance : 1. Sample : lightly SS  
2. Container : Normal [ PE 0.5 L, PE 1.8 L, PE 2.0 L, G 1.0 L ]

Remark : 1. /I Notification of Industrial Estate Authority of Thailand 029 / 2567 (2024)  
2. SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 24th Edition, 2023.  
3. Sampling By Miss Pornpinan Viriyakusolkul (ว-003-ค-0036)

Examined B

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## Test Report

Request No : W6712316

Report No : 6712-1523

Customer : Aichi Forge (Thailand) Co., Ltd.

Address : 150/68 Pinthong Industrial Estate #2 Moo 9, Nongkham, Sriracha, Chonburi 20230

Sampling Source : Pinthong Industrial Park 2

Sample No : W 67120974

Sample Name : น้ำออกระบบ Septic

Sampling Date : 11/12/2024

Sampling By : ETC

Sampling Time : 8:30 AM

Sampling Method : Grab

Received Date : 12/12/2024

Tested Date : 12/12/2024 - 19/12/2024

Reported Date : 23/12/2024

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Temperature	°C	Laboratory and Field Method (SM:2550 B)	32	≤45
Total Dissolved Solids	mg/L	Dried at 180 degree celsius (SM:2540C)	316	≤3000
Total Kjeldahl Nitrogen	mg/L as NH <sub>3</sub> -N	Macro Kjeldahl Method (SM:4500 -Norg B)	8	≤100
Total Suspended Solids	mg/L	Dried at 103-105 degree celsius (SM:2540D)	< 5	≤200

Physical Apperance : 1. Sample : lightly SS

2. Container : Normal [ PE 0.5 L, PE 1.8 L, PE 2.0 L, G 1.0 L ]

Remark : 1. /1 Notification of Industrial Estate Authority of Thailand 029 / 2567 (2024)

2. SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 24th Edition, 2023.

3. Sampling By Miss Pornpinan Viriyakusolkul (ว-003-ท-0036)

Examined By

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Page 2 of 2



Test Report

Customer : Aichi Forge (Thailand) Co.,Ltd.

Address : 150/68 Pinthong Industrial Estate #2 Moo 9, Nongkham, Sriracha, Chonburi 20230

Sampling Source : Pinthong Industrial Park 2

Sample Name : น้ำออกจาบดเคมี

Sampling By : ETC

Sampling Method : Grab

Tested Date : 12/12/2024 - 19/12/2024

Request No : W6712316

Report No : 6712-1524

Sample No : W 67120975

Sampling Date : 11/12/2024

Sampling Time : 8:33 AM

Received Date : 12/12/2024

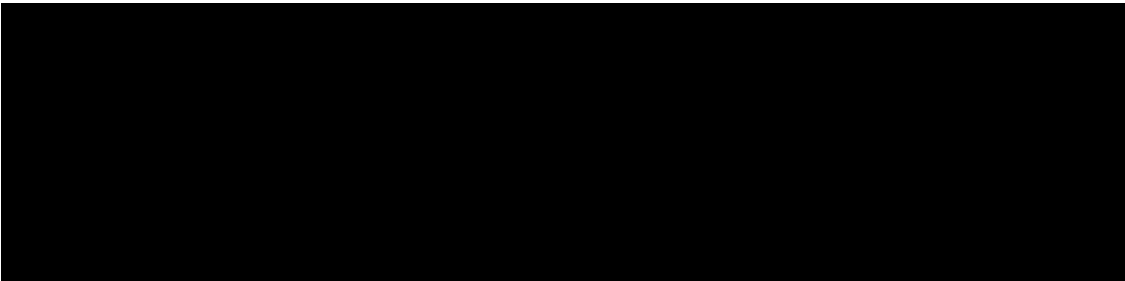
Reported Date : 23/12/2024

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Biochemical Oxygen Demand	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	20.4	≤500
Chemical Oxygen Demand	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	77	≤750
Color (Original)	ADMI	ADMI Weighted Ordinate Spectrophotometric Method (SM:2120F)	21	≤600
Color (pH 7.0)	ADMI	ADMI Weighted Ordinate Spectrophotometric Method (SM:2120F)	< 20	≤600
Lead	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤0.2

Physical Appearance : 1. Sample : yellowish, lightly SS  
2. Container : Normal [ PE 0.5 L, PE 1.8 L, PE 2.0 L, G 1.0 L ]

Remark : 1. /I Notification of Industrial Estate Authority of Thailand 029 / 2567 (2024)  
2. SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 24th Edition, 2023.  
3. Sampling By Miss Pornpinan Viriyakusolkul (ว-003-ค-0036)

Examined



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## Test Report

Request No : W6712316

Report No : 6712-1524

Customer : Aichi Forge (Thailand) Co.,Ltd.

Address : 150/68 Pinthong Industrial Estate #2 Moo 9, Nongkham, Sriracha, Chonburi 20230

Sampling Source : Pinthong Industrial Park 2

Sample No : W 67120975

Sample Name : น้ำออกจากระบบเคมี

Sampling Date : 11/12/2024

Sampling By : ETC

Sampling Time : 8:33 AM

Sampling Method : Grab

Received Date : 12/12/2024

Tested Date : 12/12/2024 - 19/12/2024

Reported Date : 23/12/2024

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Oil and Grease	mg/L	Liquid-Liquid, Partition-Gravimetric Method (SM:5520B)	3.3	≤10
pH (on site)		Electrometric Method	6.9	5.5-9.0
Temperature	°C	Laboratory and Field Method (SM:2550 B)	30	≤45
Total Dissolved Solids	mg/L	Dried at 180 degree celsius (SM:2540C)	1,632	≤3000
Total Kjeldahl Nitrogen	mg/L as NH <sub>3</sub> -N	Macro Kjeldahl Method (SM:4500 -Norg B)	< 5	≤100
Total Suspended Solids	mg/L	Dried at 103-105 degree celsius (SM:2540D)	27	≤200

Physical Apperance : 1. Sample : yellowish, lightly SS

2. Container : Normal [ PE 0.5 L, PE 1.8 L, PE 2.0 L, G 1.0 L ]

Remark : 1. /1 Notification of Industrial Estate Authority of Thailand 029 / 2567 (2024)

2. SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 24th Edition, 2023.

3. Sampling By Miss Pornpinan Viriyakusolkul (ว-003-ค-0036)

Examined By :

(Miss

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