

ภาคผนวก ค

ภาคผนวก ค-1

ใบรายงานผลการตรวจวัดคุณภาพอากาศในบรรยากาศ
และระดับเสียงโดยทั่วไป



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. : Lab-AB 037/2567

Job No. : PCL 0312/67

Report Date : April 25, 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 : April 1-8, 2024/12.00 a.m. Received Date : April 9, 2024
GPS. Coordinate : UTM 47P 0721580 E, 1451033 N Analytical Date : April 9, 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.	1-2/04/24	mg/m ³	0.063
2.	2-3/04/24		0.061
3.	3-4/04/24		0.062
4.	4-5/04/24		0.064
5.	5-6/04/24		0.059
6.	6-7/04/24		0.057
7.	7-8/04/24		0.066
Standard ^{1/}			≤0.33

Remark : 1. ^{1/} ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 24 (พ.ศ. 2547) เรื่อง กำหนดมาตรฐานคุณภาพอากาศในบรรยากาศโดยทั่วไป (ลงวันที่ 9 สิงหาคม พ.ศ. 2547)
2. สภาพอากาศ : ปกติ





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Address : เลขที่ 150/68 หมู่ที่ 9 นิคมอุตสาหกรรมปิ่นทอง 2 ตำบลหนองขาม อำเภอสรีราชา จังหวัดชลบุรี 20110
Sampling Source : Ambient Air Quality
Sampling Point : บริเวณโรงพยาบาลส่งเสริมสุขภาพตำบลบ้านหนองค้อ
Sampling Date/Time : April 1-8, 2024/12.00 a.m. Received Date : April 9, 2024
GPS. Coordinate : UTM 47P 0719951 E, 1452018 N Analytical Date : April 9, 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.	1-2/04/24	mg/m ³	0.069
2.	2-3/04/24		0.070
3.	3-4/04/24		0.075
4.	4-5/04/24		0.077
5.	5-6/04/24		0.068
6.	6-7/04/24		0.072
7.	7-8/04/24		0.074
Standard ^{1/}			≤0.33

Remark : 1. ^{1/} ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 24 (พ.ศ. 2547) เรื่อง กำหนดมาตรฐานคุณภาพอากาศในบรรยากาศโดยทั่วไป (ลงวันที่ 9 สิงหาคม พ.ศ. 2547)
2. สภาพอากาศ : ปกติ



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REPORT ANALYSIS REFERS TO SUBMITTED SAMPLE (S) ONLY

Page 1/1

Wind Speed and Wind Direction Monitoring Report

Analysis No. : WS 024/2567

Job No. : PCL 0312/67

Report Date : April 19, 2024

Customer Name : บริษัท ไอจี ฟอรัจ (ไทยแลนด์) จำกัด

Location : บริเวณวัดเขาชีธรรมนิมิต

Between : April 1-8, 2024

Measured Instrument : Precision Weather Station Davis Instruments Mode No. 6152C Mfg Code Display BE190314045

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	1	5	4	3	8	7	28	16.67
NNE	22	2	2	3	2	0	1	10	5.95
NE	45	2	2	9	3	9	26	51	30.36
ENE	67	0	0	0	0	0	0	0	0
E	90	2	4	4	2	8	11	31	18.45
ESE	112	0	0	0	0	0	0	0	0
SE	135	3	6	1	3	1	5	19	11.31
SSE	157	0	0	0	0	0	0	0	0
S	180	3	4	1	1	3	2	14	8.33
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	0	0	0	0	0	0	0	0
WNW	292	0	0	0	0	0	0	0	0
NW	315	0	0	0	0	0	0	0	0
NNW	337	0	0	0	0	0	0	0	0
TOTAL		13	23	22	14	29	52	153	91.07
CALM (<0.4 m/s)								15	8.93
TOTAL								168	100.00



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 Lab. Supervisor

Wind Diagram

Analysis No. : WS 024/2567

Job No. : PCL 0312/67

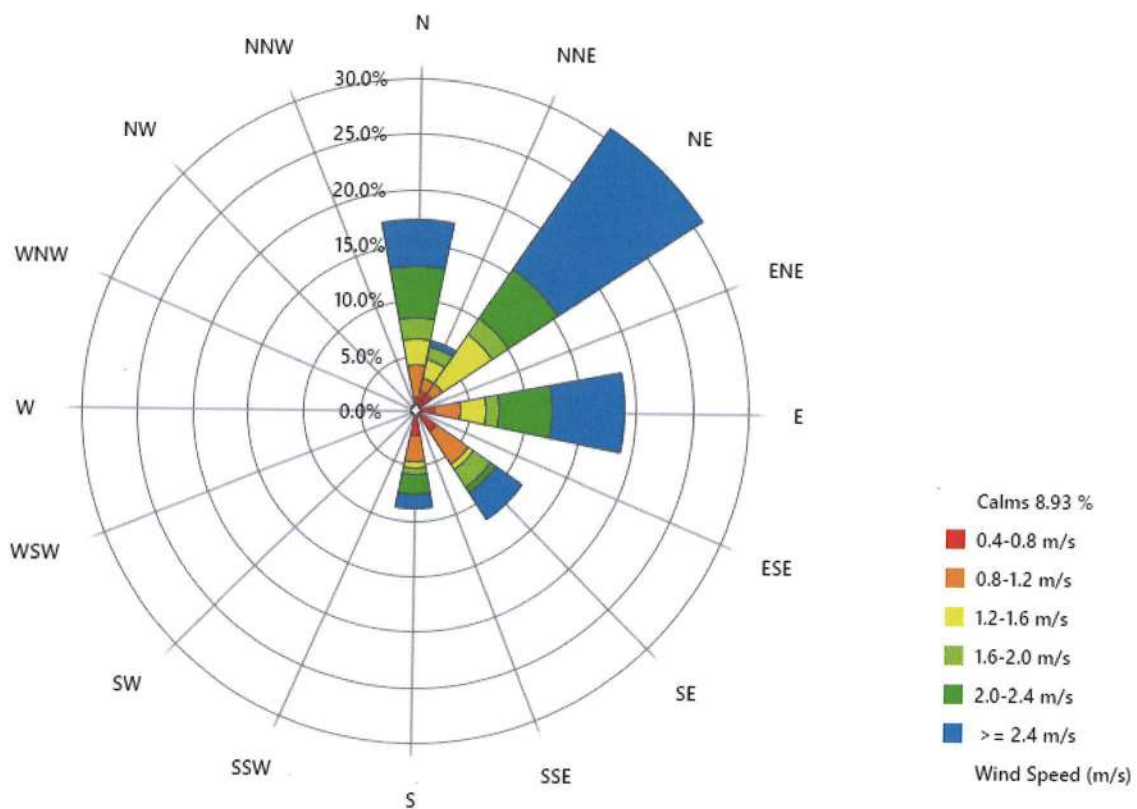
Report Date : April 19, 2024

Customer Name : บริษัท ไอจี ฟอรัจ (ไทยแลนด์) จำกัด

Location : บริเวณวัดเขาชีธรรมนิมิต

Between : April 1-8, 2024

Measured Instrument : Precision Weather Station Davis Instruments Mode No. 6152C Mfg Code Display BE190314045




Lab. Supervisor

Wind Speed and Wind Direction Monitoring Report

Analysis No. : WS 024/2567

Job No. : PCL 0312/67

Report Date : April 19, 2024

Customer Name : บริษัท ไอจี พอร์จ (ไทยแลนด์) จำกัด

Location : บริเวณโรงพยาบาลส่งเสริมสุขภาพตำบลบ้านหนองค้อ

Between : November 13-20, 2023

Measured Instrument : Precision Weather Station Davis Instruments Mode 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	0	0	0	0
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	3	0	0	0	0	0	3	1.78
SE	135	1	1	0	0	0	0	2	1.19
SSE	157	1	0	0	0	0	0	1	0.59
S	180	0	1	0	0	0	0	1	0.59
SSW	202	8	6	7	2	1	0	24	14.29
SW	225	3	0	4	2	3	1	13	7.74
WSW	247	12	8	8	15	0	0	43	25.60
W	270	9	9	10	5	1	0	34	20.24
WNW	292	0	0	0	0	0	0	0	0
NW	315	0	0	0	0	0	0	0	0
NNW	337	0	0	0	0	0	0	0	0
TOTAL		37	25	29	24	5	1	121	72.02
CALM (<0.4 m/s)								47	27.98
TOTAL								168	100.00



 Lab. Supervisor

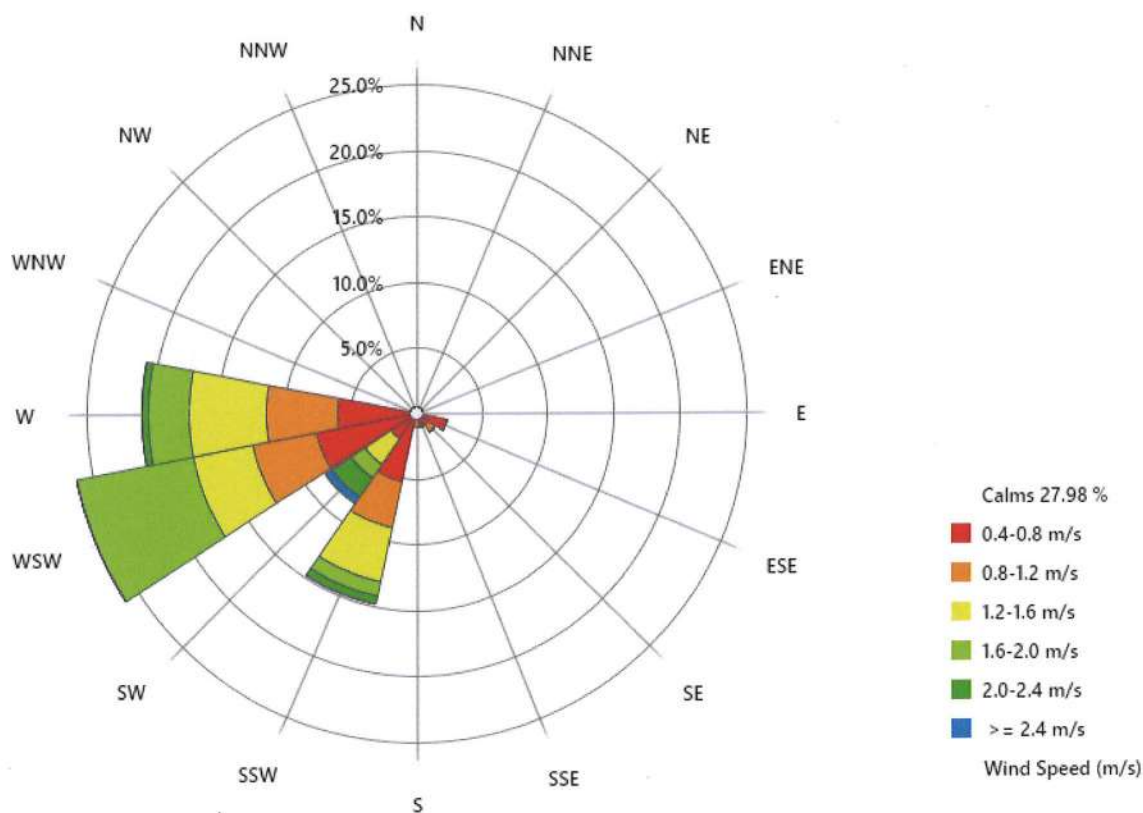
Wind Diagram

Analysis No. : WS 024/2567

Job No. : PCL 0312/67

Report Date : April 19, 2024

Customer Name : บริษัท ไอจี ฟอรัจ (ไทยแลนด์) จำกัด
 Location : บริเวณโรงพยาบาลส่งเสริมสุขภาพตำบลบ้านหนองค้อ
 Between : November 13-20, 2023
 Measured Instrument : Precision Weather Station Davis Instruments Mode No. 6152C Mfg Code Display BD181211032



PACIFIC LABORATORY CO., LTD.
 Lab Supervisor

ANALYSIS REPORT

Analysis No. : NH 060/2567
Job No. : PCL 0312/67
Report Date : April 19, 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)
Measured Date : April 1-2, 2024
Measured Instrument : Sound Level Meter Scarlet Tech Model ST-11D Serial Number 820384

Interval Time	Noise Level (dBA)		
	Leq	Lmax	L90
11:00 a.m. – 12:00 a.m.	64.1	85.6	57.0
12:00 a.m. – 01:00 p.m.	62.5	85.1	56.2
01:00 p.m. – 02:00 p.m.	63.9	85.1	58.4
02:00 p.m. – 03:00 p.m.	62.9	84.1	57.2
03:00 p.m. – 04:00 p.m.	65.5	94.4	58.2
04:00 p.m. – 05:00 p.m.	65.5	83.0	60.5
05:00 p.m. – 06:00 p.m.	65.7	85.9	57.6
06:00 p.m. – 07:00 p.m.	62.4	81.7	56.4
07:00 p.m. – 08:00 p.m.	68.4	95.7	59.5
08:00 p.m. – 09:00 p.m.	66.3	91.2	58.5
09:00 p.m. – 10:00 p.m.	63.9	92.4	57.0
10:00 p.m. – 11:00 p.m.	63.5	86.5	57.2
11:00 p.m. – 00:00 p.m.	61.1	80.1	55.7
00:00 p.m. – 01:00 a.m.	60.9	86.5	53.4
01:00 a.m. – 02:00 a.m.	62.6	80.5	56.7
02:00 a.m. – 03:00 a.m.	60.0	80.3	55.8
03:00 a.m. – 04:00 a.m.	59.7	81.3	55.4
04:00 a.m. – 05:00 a.m.	60.7	80.7	54.6
05:00 a.m. – 06:00 a.m.	61.8	81.8	54.9
06:00 a.m. – 07:00 a.m.	64.5	87.9	56.5
07:00 a.m. – 08:00 a.m.	68.6	88.1	62.9
08:00 a.m. – 09:00 a.m.	65.8	92.0	58.2
09:00 a.m. – 10:00 a.m.	63.2	86.5	57.0
10:00 a.m. – 11:00 a.m.	62.9	86.9	57.1
24 Hours Measured	64.3	95.7	57.7
Standard ^{1/}	≤70	≤115	-
Evaluation	pass	pass	-
Ldn	68.9	-	-

Remark : 1. ^{1/} 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 060/2567
Job No. : PCL 0312/67
Report Date : April 19, 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)
Measured Date : April 2-3, 2024
Measured Instrument : Sound Level Meter Scarlet Tech Model ST-11D Serial Number 820384

Interval Time	Noise Level (dBA)		
	Leq	Lmax	L90
11:00 a.m. – 12:00 a.m.	63.6	89.1	56.8
12:00 a.m. – 01:00 p.m.	62.6	80.5	56.4
01:00 p.m. – 02:00 p.m.	63.5	81.9	57.5
02:00 p.m. – 03:00 p.m.	65.0	97.0	57.4
03:00 p.m. – 04:00 p.m.	63.3	86.2	57.3
04:00 p.m. – 05:00 p.m.	65.4	83.7	59.2
05:00 p.m. – 06:00 p.m.	66.8	93.8	57.3
06:00 p.m. – 07:00 p.m.	63.5	86.4	56.4
07:00 p.m. – 08:00 p.m.	67.6	90.2	59.7
08:00 p.m. – 09:00 p.m.	69.9	101.4	58.2
09:00 p.m. – 10:00 p.m.	63.5	82.6	56.7
10:00 p.m. – 11:00 p.m.	63.7	85.2	56.7
11:00 p.m. – 00:00 p.m.	61.0	88.8	55.5
00:00 p.m. – 01:00 a.m.	56.3	80.1	52.9
01:00 a.m. – 02:00 a.m.	62.5	87.5	56.5
02:00 a.m. – 03:00 a.m.	61.1	80.5	56.4
03:00 a.m. – 04:00 a.m.	59.0	78.6	55.1
04:00 a.m. – 05:00 a.m.	62.8	91.2	53.6
05:00 a.m. – 06:00 a.m.	62.0	87.7	53.4
06:00 a.m. – 07:00 a.m.	64.4	94.3	55.9
07:00 a.m. – 08:00 a.m.	69.0	88.9	63.6
08:00 a.m. – 09:00 a.m.	67.0	96.4	59.0
09:00 a.m. – 10:00 a.m.	63.3	87.5	57.1
10:00 a.m. – 11:00 a.m.	63.6	82.0	57.2
24 Hours Measured	64.7	101.4	57.5
Standard ^{1/}	≤70	≤115	-
Evaluation	pass	pass	-
Ldn	69.1	-	-

Remark : 1. ^{1/} 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 060/2567
Job No. : PCL 0312/67
Report Date : April 19, 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)
Measured Date : April 3-4, 2024
Measured Instrument : Sound Level Meter Scarlet Tech Model ST-11D Serial Number 820384

Interval Time	Noise Level (dBA)		
	Leq	Lmax	L90
11:00 a.m. – 12:00 a.m.	63.0	85.8	56.1
12:00 a.m. – 01:00 p.m.	62.7	87.0	55.0
01:00 p.m. – 02:00 p.m.	63.9	81.5	57.3
02:00 p.m. – 03:00 p.m.	63.9	82.3	57.1
03:00 p.m. – 04:00 p.m.	63.6	79.7	57.5
04:00 p.m. – 05:00 p.m.	66.8	96.0	59.1
05:00 p.m. – 06:00 p.m.	67.9	97.3	58.1
06:00 p.m. – 07:00 p.m.	63.1	86.5	56.1
07:00 p.m. – 08:00 p.m.	68.2	89.1	59.3
08:00 p.m. – 09:00 p.m.	67.3	90.2	58.7
09:00 p.m. – 10:00 p.m.	62.2	79.8	57.0
10:00 p.m. – 11:00 p.m.	63.6	89.0	57.3
11:00 p.m. – 00:00 p.m.	60.8	78.2	56.5
00:00 p.m. – 01:00 a.m.	58.1	81.7	53.7
01:00 a.m. – 02:00 a.m.	61.9	79.6	56.5
02:00 a.m. – 03:00 a.m.	59.2	74.2	56.3
03:00 a.m. – 04:00 a.m.	59.2	80.4	55.3
04:00 a.m. – 05:00 a.m.	62.9	90.5	53.8
05:00 a.m. – 06:00 a.m.	59.9	77.1	53.6
06:00 a.m. – 07:00 a.m.	63.7	82.9	56.2
07:00 a.m. – 08:00 a.m.	68.5	96.5	62.5
08:00 a.m. – 09:00 a.m.	65.6	94.1	56.8
09:00 a.m. – 10:00 a.m.	63.0	83.1	57.2
10:00 a.m. – 11:00 a.m.	62.4	79.3	57.2
24 Hours Measured	64.3	97.3	57.3
Standard ^{1/}	≤70	≤115	-
Evaluation	pass	pass	-
Ldn	68.6	-	-

Remark : 1. ^{1/} 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 060/2567

Job No. : PCL 0312/67

Report Date : April 19, 2024

Customer Name : บริษัท ไอจี ฟอรัจ (ไทยแลนด์) จำกัด
Address : เลขที่ 150/68 หมู่ที่ 9 นิคมอุตสาหกรรมปิ่นทอง 2 ตำบลหนองขาม อำเภอศรีราชา จังหวัดชลบุรี 20110
Sampling Source : Community Noise
Sampling Location : ทิศเหนือ (Slope area)
Measured Date : April 4-5, 2024
Measured Instrument : Sound Level Meter Scarlet Tech Model ST-11D Serial Number 820384

Interval Time	Noise Level (dBA)		
	Leq	Lmax	L90
11:00 a.m. – 12:00 a.m.	62.1	83.5	56.2
12:00 a.m. – 01:00 p.m.	63.5	86.8	57.8
01:00 p.m. – 02:00 p.m.	63.8	84.0	58.6
02:00 p.m. – 03:00 p.m.	62.6	81.4	57.0
03:00 p.m. – 04:00 p.m.	63.3	91.7	57.6
04:00 p.m. – 05:00 p.m.	65.4	86.6	60.0
05:00 p.m. – 06:00 p.m.	66.0	89.2	58.2
06:00 p.m. – 07:00 p.m.	63.6	85.5	57.1
07:00 p.m. – 08:00 p.m.	67.8	89.6	59.9
08:00 p.m. – 09:00 p.m.	68.5	93.6	58.9
09:00 p.m. – 10:00 p.m.	62.3	83.9	56.8
10:00 p.m. – 11:00 p.m.	61.8	81.1	56.8
11:00 p.m. – 00:00 p.m.	62.0	82.7	56.0
00:00 p.m. – 01:00 a.m.	56.8	77.0	53.3
01:00 a.m. – 02:00 a.m.	61.8	80.7	57.1
02:00 a.m. – 03:00 a.m.	61.8	79.3	58.6
03:00 a.m. – 04:00 a.m.	63.3	80.5	59.4
04:00 a.m. – 05:00 a.m.	62.0	84.4	56.5
05:00 a.m. – 06:00 a.m.	61.3	87.1	55.2
06:00 a.m. – 07:00 a.m.	64.2	83.7	57.1
07:00 a.m. – 08:00 a.m.	69.9	94.8	63.6
08:00 a.m. – 09:00 a.m.	67.9	96.7	59.1
09:00 a.m. – 10:00 a.m.	62.7	80.7	57.7
10:00 a.m. – 11:00 a.m.	63.0	82.1	58.1
24 Hours Measured	64.6	96.7	58.3
Standard ^{1/}	≤70	≤115	-
Evaluation	pass	pass	-
Ldn	69.0	-	-

Remark : 1. ^{1/} 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 060/2567
Job No. : PCL 0312/67
Report Date : April 19, 2024

Customer Name : บริษัท ไอจี ฟอรัจ (ไทยแลนด์) จำกัด
Address : เลขที่ 150/68 หมู่ที่ 9 นิคมอุตสาหกรรมปิ่นทอง 2 ตำบลหนองขาม อำเภอศรีราชา จังหวัดชลบุรี 20110
Sampling Source : Community Noise
Sampling Location : ทิศเหนือ (Slope area)
Measured Date : April 5-6, 2024
Measured Instrument : Sound Level Meter Scarlet Tech Model ST-11D Serial Number 820384

Interval Time	Noise Level (dBA)		
	Leq	Lmax	L90
11:00 a.m. - 12:00 a.m.	62.5	81.5	57.0
12:00 a.m. - 01:00 p.m.	64.4	96.4	57.0
01:00 p.m. - 02:00 p.m.	62.8	79.9	57.4
02:00 p.m. - 03:00 p.m.	62.3	81.5	57.2
03:00 p.m. - 04:00 p.m.	63.2	82.6	57.8
04:00 p.m. - 05:00 p.m.	68.0	96.7	60.3
05:00 p.m. - 06:00 p.m.	66.6	90.1	57.9
06:00 p.m. - 07:00 p.m.	62.5	83.3	55.5
07:00 p.m. - 08:00 p.m.	66.8	90.7	59.1
08:00 p.m. - 09:00 p.m.	67.4	98.2	57.8
09:00 p.m. - 10:00 p.m.	61.5	81.8	56.1
10:00 p.m. - 11:00 p.m.	62.9	90.6	56.6
11:00 p.m. - 00:00 p.m.	60.6	81.0	55.3
00:00 p.m. - 01:00 a.m.	59.0	78.9	53.0
01:00 a.m. - 02:00 a.m.	60.5	81.0	56.4
02:00 a.m. - 03:00 a.m.	60.3	79.8	56.3
03:00 a.m. - 04:00 a.m.	59.9	80.5	55.3
04:00 a.m. - 05:00 a.m.	62.1	92.8	54.1
05:00 a.m. - 06:00 a.m.	60.6	80.1	54.6
06:00 a.m. - 07:00 a.m.	62.5	79.1	54.7
07:00 a.m. - 08:00 a.m.	67.6	94.3	60.2
08:00 a.m. - 09:00 a.m.	64.8	85.0	58.4
09:00 a.m. - 10:00 a.m.	62.5	82.8	55.8
10:00 a.m. - 11:00 a.m.	62.9	79.5	56.2
24 Hours Measured	63.9	98.2	57.0
Standard ^{1/}	≤70	≤115	-
Evaluation	pass	pass	-
Ldn	68.2	-	-

Remark : 1. ^{1/} 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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REPORT ANALYSIS REFERS TO SUBMITTED SAMPLE (S) ONLY

ANALYSIS REPORT

Analysis No. : NH 060/2567

Job No. : PCL 0312/67

Report Date : April 19, 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)
Measured Date : April 6-7, 2024
Measured Instrument : Sound Level Meter Scarlet Tech Model ST-11D Serial Number 820384

Interval Time	Noise Level (dBA)		
	Leq	Lmax	L90
11:00 a.m. – 12:00 a.m.	62.2	81.2	56.1
12:00 a.m. – 01:00 p.m.	60.5	81.7	54.0
01:00 p.m. – 02:00 p.m.	62.4	80.0	56.1
02:00 p.m. – 03:00 p.m.	62.0	84.1	55.9
03:00 p.m. – 04:00 p.m.	63.1	84.6	55.9
04:00 p.m. – 05:00 p.m.	67.5	96.3	59.0
05:00 p.m. – 06:00 p.m.	67.4	97.9	56.3
06:00 p.m. – 07:00 p.m.	62.8	82.0	55.2
07:00 p.m. – 08:00 p.m.	66.6	88.8	59.3
08:00 p.m. – 09:00 p.m.	64.4	91.1	57.0
09:00 p.m. – 10:00 p.m.	60.7	82.2	55.4
10:00 p.m. – 11:00 p.m.	63.2	90.6	55.5
11:00 p.m. – 00:00 p.m.	59.1	79.2	54.9
00:00 p.m. – 01:00 a.m.	57.9	80.4	52.3
01:00 a.m. – 02:00 a.m.	58.8	80.9	55.7
02:00 a.m. – 03:00 a.m.	55.8	68.6	54.2
03:00 a.m. – 04:00 a.m.	59.6	87.3	54.6
04:00 a.m. – 05:00 a.m.	58.8	81.9	53.6
05:00 a.m. – 06:00 a.m.	67.4	100.0	53.7
06:00 a.m. – 07:00 a.m.	63.6	97.1	54.5
07:00 a.m. – 08:00 a.m.	69.5	95.9	58.0
08:00 a.m. – 09:00 a.m.	63.2	88.7	55.0
09:00 a.m. – 10:00 a.m.	61.2	80.2	54.3
10:00 a.m. – 11:00 a.m.	60.5	80.2	54.3
24 Hours Measured	63.8	100.0	55.8
Standard ^{1/}	≤70	≤115	-
Evaluation	pass	pass	-
Ldn	68.6	-	-

Remark : 1. ^{1/} 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 060/2567

Job No. : PCL 0312/67

Report Date : April 19, 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)
Measured Date : April 7-8, 2024
Measured Instrument : Sound Level Meter Scarlet Tech Model ST-11D Serial Number 820384

Interval Time	Noise Level (dBA)		
	Leq	Lmax	L90
11:00 a.m. - 12:00 a.m.	60.6	82.6	53.8
12:00 a.m. - 01:00 p.m.	59.7	81.9	50.5
01:00 p.m. - 02:00 p.m.	63.2	92.2	54.2
02:00 p.m. - 03:00 p.m.	61.0	90.4	54.5
03:00 p.m. - 04:00 p.m.	60.9	79.7	54.0
04:00 p.m. - 05:00 p.m.	61.3	86.4	54.3
05:00 p.m. - 06:00 p.m.	62.1	87.0	52.4
06:00 p.m. - 07:00 p.m.	59.8	85.7	52.7
07:00 p.m. - 08:00 p.m.	67.3	93.4	53.0
08:00 p.m. - 09:00 p.m.	60.5	92.8	49.0
09:00 p.m. - 10:00 p.m.	54.6	76.0	48.9
10:00 p.m. - 11:00 p.m.	53.8	75.0	48.9
11:00 p.m. - 00:00 p.m.	51.7	73.6	49.0
00:00 p.m. - 01:00 a.m.	51.5	70.9	48.8
01:00 a.m. - 02:00 a.m.	52.6	79.8	48.6
02:00 a.m. - 03:00 a.m.	52.8	79.7	48.7
03:00 a.m. - 04:00 a.m.	50.6	72.9	48.5
04:00 a.m. - 05:00 a.m.	55.3	77.2	49.4
05:00 a.m. - 06:00 a.m.	58.0	77.0	50.1
06:00 a.m. - 07:00 a.m.	63.1	82.6	53.1
07:00 a.m. - 08:00 a.m.	68.1	93.3	61.5
08:00 a.m. - 09:00 a.m.	69.5	104.3	57.0
09:00 a.m. - 10:00 a.m.	65.0	96.1	57.1
10:00 a.m. - 11:00 a.m.	64.3	94.3	58.1
24 Hours Measured	62.5	104.3	54.0
Standard ^{1/}	≤70	≤115	-
Evaluation	pass	pass	-
Ldn	64.2	-	-

Remark : 1. ^{1/} 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 060/2567
Job No. : PCL 0312/67
Report Date : April 19, 2024

Customer Name : บริษัท โอจี ฟอรัจ (ไทยแลนด์) จำกัด
Address : เลขที่ 150/68 หมู่ที่ 9 นิคมอุตสาหกรรมปิ่นทอง 2 ตำบลหนองขาม อำเภอสรีราชา จังหวัดชลบุรี 20110
Sampling Source : Community Noise
Sampling Location : ทิศใต้ (บริเวณหลังลาน Emer)
Measured Date : April 1-2, 2024
Measured Instrument : Sound Level Meter Scarlet Tech Model ST-11D Serial Number 820968

Interval Time	Noise Level (dBA)		
	Leq	Lmax	L90
11:00 a.m. – 12:00 a.m.	48.8	60.5	46.9
12:00 a.m. – 01:00 p.m.	47.7	65.3	45.5
01:00 p.m. – 02:00 p.m.	49.1	64.0	46.9
02:00 p.m. – 03:00 p.m.	49.7	69.7	47.2
03:00 p.m. – 04:00 p.m.	50.1	70.3	47.6
04:00 p.m. – 05:00 p.m.	48.6	64.2	46.4
05:00 p.m. – 06:00 p.m.	48.5	66.6	45.8
06:00 p.m. – 07:00 p.m.	51.1	77.3	46.9
07:00 p.m. – 08:00 p.m.	52.2	65.4	47.6
08:00 p.m. – 09:00 p.m.	51.8	67.8	47.7
09:00 p.m. – 10:00 p.m.	50.4	70.3	48.8
10:00 p.m. – 11:00 p.m.	50.0	66.1	48.5
11:00 p.m. – 00:00 p.m.	48.8	64.5	47.5
00:00 p.m. – 01:00 a.m.	47.3	56.6	46.3
01:00 a.m. – 02:00 a.m.	50.8	73.5	48.1
02:00 a.m. – 03:00 a.m.	50.5	72.1	48.2
03:00 a.m. – 04:00 a.m.	49.5	72.3	47.0
04:00 a.m. – 05:00 a.m.	50.3	71.5	46.1
05:00 a.m. – 06:00 a.m.	59.9	82.4	47.2
06:00 a.m. – 07:00 a.m.	58.3	76.8	48.8
07:00 a.m. – 08:00 a.m.	50.3	63.9	47.4
08:00 a.m. – 09:00 a.m.	48.7	71.5	45.4
09:00 a.m. – 10:00 a.m.	49.0	70.7	46.2
10:00 a.m. – 11:00 a.m.	48.1	67.3	45.6
24 Hours Measured	51.9	82.4	47.2
Standard ^{1/}	≤70	≤115	-
Evaluation	pass	pass	-
Ldn	59.1	-	-

Remark : 1. ^{1/} 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 060/2567
Job No. : PCL 0312/67
Report Date : April 19, 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 : ทิศใต้ (บริเวณหลังลาน Emer)
Measured Date : April 2-3, 2024
Measured Instrument : Sound Level Meter Scarlet Tech Model ST-11D Serial Number 820968

Interval Time	Noise Level (dBA)		
	Leq	Lmax	L90
11:00 a.m. - 12:00 a.m.	48.9	75.6	45.3
12:00 a.m. - 01:00 p.m.	47.4	63.0	44.2
01:00 p.m. - 02:00 p.m.	48.3	70.3	45.5
02:00 p.m. - 03:00 p.m.	49.3	69.6	46.8
03:00 p.m. - 04:00 p.m.	49.6	63.7	47.5
04:00 p.m. - 05:00 p.m.	50.4	73.3	46.6
05:00 p.m. - 06:00 p.m.	50.8	71.9	46.2
06:00 p.m. - 07:00 p.m.	56.5	78.6	46.8
07:00 p.m. - 08:00 p.m.	48.3	65.4	46.2
08:00 p.m. - 09:00 p.m.	48.9	65.8	47.5
09:00 p.m. - 10:00 p.m.	49.5	68.1	48.2
10:00 p.m. - 11:00 p.m.	49.9	67.2	48.5
11:00 p.m. - 00:00 p.m.	50.3	68.6	48.7
00:00 p.m. - 01:00 a.m.	47.2	60.9	46.2
01:00 a.m. - 02:00 a.m.	51.1	71.1	47.0
02:00 a.m. - 03:00 a.m.	48.8	65.0	47.1
03:00 a.m. - 04:00 a.m.	52.0	72.3	47.0
04:00 a.m. - 05:00 a.m.	55.8	72.2	45.7
05:00 a.m. - 06:00 a.m.	57.2	75.9	45.9
06:00 a.m. - 07:00 a.m.	50.7	80.0	46.7
07:00 a.m. - 08:00 a.m.	51.6	80.8	46.5
08:00 a.m. - 09:00 a.m.	48.7	73.9	45.9
09:00 a.m. - 10:00 a.m.	49.4	67.9	46.4
10:00 a.m. - 11:00 a.m.	50.3	72.1	46.5
24 Hours Measured	51.4	80.8	46.7
Standard ^{1/}	≤70	≤115	-
Evaluation	pass	pass	-
Ldn	58.7	-	-

Remark : 1. ^{1/} 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 060/2567
Job No. : PCL 0312/67
Report Date : April 19, 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)
Measured Date : April 3-4, 2024
Measured Instrument : Sound Level Meter Scarlet Tech Model ST-11D Serial Number 820968

Interval Time	Noise Level (dBA)		
	Leq	Lmax	L90
11:00 a.m. – 12:00 a.m.	47.4	66.3	45.7
12:00 a.m. – 01:00 p.m.	47.9	73.8	45.5
01:00 p.m. – 02:00 p.m.	48.4	70.4	46.0
02:00 p.m. – 03:00 p.m.	49.6	71.8	46.7
03:00 p.m. – 04:00 p.m.	49.1	71.8	46.7
04:00 p.m. – 05:00 p.m.	49.0	65.5	46.8
05:00 p.m. – 06:00 p.m.	55.1	73.5	46.0
06:00 p.m. – 07:00 p.m.	54.2	73.0	47.4
07:00 p.m. – 08:00 p.m.	50.2	70.1	47.8
08:00 p.m. – 09:00 p.m.	50.1	67.6	48.4
09:00 p.m. – 10:00 p.m.	50.6	69.3	49.0
10:00 p.m. – 11:00 p.m.	49.3	73.0	48.0
11:00 p.m. – 00:00 p.m.	49.0	70.3	47.3
00:00 p.m. – 01:00 a.m.	45.3	55.2	44.3
01:00 a.m. – 02:00 a.m.	50.8	72.9	47.0
02:00 a.m. – 03:00 a.m.	50.0	72.6	47.3
03:00 a.m. – 04:00 a.m.	48.9	71.3	46.7
04:00 a.m. – 05:00 a.m.	49.9	73.1	46.8
05:00 a.m. – 06:00 a.m.	51.6	74.1	44.9
06:00 a.m. – 07:00 a.m.	49.7	71.1	46.8
07:00 a.m. – 08:00 a.m.	50.2	72.9	46.7
08:00 a.m. – 09:00 a.m.	48.1	70.0	45.6
09:00 a.m. – 10:00 a.m.	50.7	72.0	46.6
10:00 a.m. – 11:00 a.m.	49.7	82.8	46.5
24 Hours Measured	50.3	82.8	46.8
Standard ^{1/}	≤70	≤115	-
Evaluation	pass	pass	-
Ldn	56.3	-	-

Remark : 1. ^{1/} 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 060/2567
Job No. : PCL 0312/67
Report Date : April 19, 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)
Measured Date : April 4-5, 2024
Measured Instrument : Sound Level Meter Scarlet Tech Model ST-11D Serial Number 820968

Interval Time	Noise Level (dBA)		
	Leq	Lmax	L90
11:00 a.m. – 12:00 a.m.	48.8	72.3	45.6
12:00 a.m. – 01:00 p.m.	49.0	79.1	45.5
01:00 p.m. – 02:00 p.m.	49.6	68.7	46.5
02:00 p.m. – 03:00 p.m.	49.0	62.9	46.4
03:00 p.m. – 04:00 p.m.	50.1	71.8	47.2
04:00 p.m. – 05:00 p.m.	51.4	71.2	47.2
05:00 p.m. – 06:00 p.m.	54.9	76.9	46.6
06:00 p.m. – 07:00 p.m.	50.3	66.9	47.5
07:00 p.m. – 08:00 p.m.	49.2	69.0	46.6
08:00 p.m. – 09:00 p.m.	47.9	74.5	45.8
09:00 p.m. – 10:00 p.m.	48.9	69.4	47.7
10:00 p.m. – 11:00 p.m.	49.3	64.0	48.0
11:00 p.m. – 00:00 p.m.	48.8	58.4	47.6
00:00 p.m. – 01:00 a.m.	47.2	65.1	45.9
01:00 a.m. – 02:00 a.m.	48.5	67.2	46.5
02:00 a.m. – 03:00 a.m.	49.0	66.8	46.9
03:00 a.m. – 04:00 a.m.	49.4	68.1	47.2
04:00 a.m. – 05:00 a.m.	49.8	69.1	45.7
05:00 a.m. – 06:00 a.m.	51.1	71.5	44.9
06:00 a.m. – 07:00 a.m.	55.0	81.1	46.1
07:00 a.m. – 08:00 a.m.	51.2	72.2	46.8
08:00 a.m. – 09:00 a.m.	49.7	77.3	46.8
09:00 a.m. – 10:00 a.m.	50.2	77.2	47.6
10:00 a.m. – 11:00 a.m.	51.4	86.4	47.9
24 Hours Measured	50.5	86.4	46.8
Standard ^{1/}	≤70	≤115	-
Evaluation	pass	pass	-
Ldn	55.9	-	-

Remark : 1. ^{1/} 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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Amphoe Bang Bua Thong, Nonthaburi 11110

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

ANALYSIS REPORT

Analysis No. : NH 060/2567
Job No. : PCL 0312/67
Report Date : April 19, 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)
Measured Date : April 5-6, 2024
Measured Instrument : Sound Level Meter Scarlet Tech Model ST-11D Serial Number 820968

Interval Time	Noise Level (dBA)		
	Leq	Lmax	L90
11:00 a.m. – 12:00 a.m.	47.8	62.5	45.6
12:00 a.m. – 01:00 p.m.	47.7	69.7	45.1
01:00 p.m. – 02:00 p.m.	49.4	67.8	46.8
02:00 p.m. – 03:00 p.m.	49.6	65.5	47.3
03:00 p.m. – 04:00 p.m.	49.7	65.9	47.5
04:00 p.m. – 05:00 p.m.	48.8	71.2	46.9
05:00 p.m. – 06:00 p.m.	48.8	70.9	46.5
06:00 p.m. – 07:00 p.m.	49.5	73.5	46.6
07:00 p.m. – 08:00 p.m.	47.7	62.6	46.2
08:00 p.m. – 09:00 p.m.	48.8	64.5	47.4
09:00 p.m. – 10:00 p.m.	50.0	67.8	48.6
10:00 p.m. – 11:00 p.m.	49.0	72.0	47.7
11:00 p.m. – 00:00 p.m.	47.8	71.6	45.4
00:00 p.m. – 01:00 a.m.	46.8	68.0	44.3
01:00 a.m. – 02:00 a.m.	47.9	70.5	46.3
02:00 a.m. – 03:00 a.m.	49.9	67.7	47.0
03:00 a.m. – 04:00 a.m.	48.8	61.5	46.8
04:00 a.m. – 05:00 a.m.	53.2	70.3	45.3
05:00 a.m. – 06:00 a.m.	51.4	70.1	44.5
06:00 a.m. – 07:00 a.m.	47.6	68.3	45.0
07:00 a.m. – 08:00 a.m.	51.6	81.4	45.8
08:00 a.m. – 09:00 a.m.	54.2	74.8	46.2
09:00 a.m. – 10:00 a.m.	49.3	71.7	46.1
10:00 a.m. – 11:00 a.m.	48.4	66.3	45.7
24 Hours Measured	49.7	81.4	46.4
Standard ^{1/}	≤70	≤115	-
Evaluation	pass	pass	-
Ldn	56.2	-	-

Remark : 1. ^{1/} 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)



DO NOT COPY PARTIAL OF THIS ANALYSIS REPORT WITHOUT OFFICIAL APPROVAL
REPORT ANALYSIS REFERS TO SUBMITTED SAMPLE (S) ONLY

ANALYSIS REPORT

Analysis No. : NH 060/2567
Job No. : PCL 0312/67
Report Date : April 19, 2024

Customer Name : บริษัท ไอจี พอร์จ (ไทยแลนด์) จำกัด
Address : เลขที่ 150/68 หมู่ที่ 9 นิคมอุตสาหกรรมบึงทอง 2 ตำบลหนองขาม อำเภอศรีราชา จังหวัดชลบุรี 20110
Sampling Source : Community Noise
Sampling Location : ทิศใต้ (บริเวณหลังลาน Emer)
Measured Date : April 6-7, 2024
Measured Instrument : Sound Level Meter Scarlet Tech Model ST-11D Serial Number 820968

Interval Time	Noise Level (dBA)		
	Leq	Lmax	L90
11:00 a.m. - 12:00 a.m.	48.1	75.6	45.7
12:00 a.m. - 01:00 p.m.	47.6	69.2	44.9
01:00 p.m. - 02:00 p.m.	48.8	64.2	46.0
02:00 p.m. - 03:00 p.m.	47.4	59.2	45.8
03:00 p.m. - 04:00 p.m.	48.7	74.9	46.4
04:00 p.m. - 05:00 p.m.	48.9	73.6	46.0
05:00 p.m. - 06:00 p.m.	50.5	77.9	45.8
06:00 p.m. - 07:00 p.m.	59.8	83.3	46.2
07:00 p.m. - 08:00 p.m.	47.5	61.1	45.9
08:00 p.m. - 09:00 p.m.	47.3	68.2	45.6
09:00 p.m. - 10:00 p.m.	47.2	62.3	46.0
10:00 p.m. - 11:00 p.m.	47.3	60.7	46.1
11:00 p.m. - 00:00 p.m.	48.8	73.9	45.6
00:00 p.m. - 01:00 a.m.	45.4	51.5	44.4
01:00 a.m. - 02:00 a.m.	61.2	82.9	46.1
02:00 a.m. - 03:00 a.m.	58.8	75.8	45.8
03:00 a.m. - 04:00 a.m.	49.0	69.6	45.9
04:00 a.m. - 05:00 a.m.	47.2	62.0	45.2
05:00 a.m. - 06:00 a.m.	49.4	77.0	45.6
06:00 a.m. - 07:00 a.m.	53.0	80.4	46.4
07:00 a.m. - 08:00 a.m.	49.4	68.8	46.2
08:00 a.m. - 09:00 a.m.	48.5	73.1	45.7
09:00 a.m. - 10:00 a.m.	49.7	69.1	46.7
10:00 a.m. - 11:00 a.m.	48.5	73.0	46.1
24 Hours Measured	52.8	83.3	45.9
Standard ^{1/}	≤70	≤115	-
Evaluation	pass	pass	-
Ldn	60.5	-	-

Remark : 1. ^{1/} 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 060/2567
Job No. : PCL 0312/67
Report Date : April 19, 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)
Measured Date : April 7-8, 2024
Measured Instrument : Sound Level Meter Scarlet Tech Model ST-11D Serial Number 820968

Interval Time	Noise Level (dBA)		
	Leq	Lmax	L90
11:00 a.m. – 12:00 a.m.	50.2	65.2	47.3
12:00 a.m. – 01:00 p.m.	47.7	63.4	45.2
01:00 p.m. – 02:00 p.m.	50.0	65.5	46.9
02:00 p.m. – 03:00 p.m.	49.5	70.3	46.4
03:00 p.m. – 04:00 p.m.	49.6	66.7	46.7
04:00 p.m. – 05:00 p.m.	49.9	73.5	46.4
05:00 p.m. – 06:00 p.m.	47.9	66.0	45.6
06:00 p.m. – 07:00 p.m.	49.3	64.4	46.1
07:00 p.m. – 08:00 p.m.	47.6	65.7	45.5
08:00 p.m. – 09:00 p.m.	46.3	56.8	44.9
09:00 p.m. – 10:00 p.m.	56.3	63.4	55.1
10:00 p.m. – 11:00 p.m.	61.3	68.6	61.0
11:00 p.m. – 00:00 p.m.	61.3	74.1	61.0
00:00 p.m. – 01:00 a.m.	61.8	68.7	61.5
01:00 a.m. – 02:00 a.m.	62.0	63.3	61.7
02:00 a.m. – 03:00 a.m.	62.0	70.5	61.6
03:00 a.m. – 04:00 a.m.	61.9	62.8	61.6
04:00 a.m. – 05:00 a.m.	62.3	71.3	61.8
05:00 a.m. – 06:00 a.m.	62.0	65.1	61.6
06:00 a.m. – 07:00 a.m.	56.3	71.6	54.4
07:00 a.m. – 08:00 a.m.	49.0	66.6	46.2
08:00 a.m. – 09:00 a.m.	48.6	79.8	45.3
09:00 a.m. – 10:00 a.m.	48.7	79.8	46.1
10:00 a.m. – 11:00 a.m.	48.7	66.6	45.5
24 Hours Measured	57.7	79.8	57.1
Standard ^{1/}	≤70	≤115	-
Evaluation	pass	pass	-
Ldn	67.3	-	-

Remark : 1. ^{1/} 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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REPORT ANALYSIS REFERS TO SUBMITTED SAMPLE (S) ONLY

ANALYSIS REPORT

Analysis No. : NH 060/2567
Job No. : PCL 0312/67
Report Date : April 19, 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)
Measured Date : April 1-2, 2024
Measured Instrument : Sound Level Meter Scarlet Tech Model ST-11D Serial Number 820385

Interval Time	Noise Level (dBA)		
	Leq	Lmax	L90
11:00 a.m. - 12:00 a.m.	62.1	80.9	57.9
12:00 a.m. - 01:00 p.m.	57.4	71.4	55.0
01:00 p.m. - 02:00 p.m.	63.5	89.7	59.0
02:00 p.m. - 03:00 p.m.	63.2	81.4	59.6
03:00 p.m. - 04:00 p.m.	62.6	78.1	59.3
04:00 p.m. - 05:00 p.m.	58.7	78.2	56.7
05:00 p.m. - 06:00 p.m.	57.3	75.3	52.7
06:00 p.m. - 07:00 p.m.	58.9	72.5	56.8
07:00 p.m. - 08:00 p.m.	55.6	68.8	54.1
08:00 p.m. - 09:00 p.m.	62.7	84.0	57.3
09:00 p.m. - 10:00 p.m.	64.4	84.9	59.3
10:00 p.m. - 11:00 p.m.	63.1	75.8	59.3
11:00 p.m. - 00:00 p.m.	62.3	85.3	58.5
00:00 p.m. - 01:00 a.m.	54.9	71.6	52.4
01:00 a.m. - 02:00 a.m.	63.4	82.3	58.9
02:00 a.m. - 03:00 a.m.	62.8	81.0	58.6
03:00 a.m. - 04:00 a.m.	62.7	73.6	59.0
04:00 a.m. - 05:00 a.m.	61.0	75.7	57.1
05:00 a.m. - 06:00 a.m.	59.9	75.6	55.9
06:00 a.m. - 07:00 a.m.	60.7	80.3	56.7
07:00 a.m. - 08:00 a.m.	56.5	82.4	53.1
08:00 a.m. - 09:00 a.m.	63.5	82.6	58.2
09:00 a.m. - 10:00 a.m.	62.0	81.6	58.3
10:00 a.m. - 11:00 a.m.	65.5	85.9	59.2
24 Hours Measured	61.8	89.7	57.7
Standard ^{1/}	≤70	≤115	-
Evaluation	pass	pass	-
Ldn	68.5	-	-

Remark : 1. ^{1/} 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 060/2567

Job No. : PCL 0312/67

Report Date : April 19, 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)
Measured Date : April 2-3, 2024
Measured Instrument : Sound Level Meter Scarlet Tech Model ST-11D Serial Number 820385

Interval Time	Noise Level (dBA)		
	Leq	Lmax	L90
11:00 a.m. – 12:00 a.m.	62.7	79.2	58.1
12:00 a.m. – 01:00 p.m.	52.8	64.6	51.0
01:00 p.m. – 02:00 p.m.	63.8	87.0	58.5
02:00 p.m. – 03:00 p.m.	61.1	73.8	58.0
03:00 p.m. – 04:00 p.m.	60.6	72.3	57.6
04:00 p.m. – 05:00 p.m.	59.4	77.0	56.4
05:00 p.m. – 06:00 p.m.	58.1	75.4	54.7
06:00 p.m. – 07:00 p.m.	59.5	73.6	56.4
07:00 p.m. – 08:00 p.m.	53.7	76.6	51.7
08:00 p.m. – 09:00 p.m.	63.1	84.0	57.9
09:00 p.m. – 10:00 p.m.	63.2	86.6	59.2
10:00 p.m. – 11:00 p.m.	63.3	80.1	59.6
11:00 p.m. – 00:00 p.m.	62.2	83.3	58.3
00:00 p.m. – 01:00 a.m.	54.5	70.0	52.1
01:00 a.m. – 02:00 a.m.	64.2	84.5	58.7
02:00 a.m. – 03:00 a.m.	64.2	84.9	58.9
03:00 a.m. – 04:00 a.m.	63.5	76.1	59.0
04:00 a.m. – 05:00 a.m.	60.1	75.5	56.4
05:00 a.m. – 06:00 a.m.	58.9	73.2	55.2
06:00 a.m. – 07:00 a.m.	59.2	74.0	55.6
07:00 a.m. – 08:00 a.m.	55.6	78.5	52.3
08:00 a.m. – 09:00 a.m.	59.3	71.8	56.3
09:00 a.m. – 10:00 a.m.	61.8	83.6	58.1
10:00 a.m. – 11:00 a.m.	62.2	85.7	58.3
24 Hours Measured	61.3	87.0	57.2
Standard ^{1/}	≤70	≤115	-
Evaluation	pass	pass	-
Ldn	68.5	-	-

Remark : 1. ^{1/} 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 060/2567

Job No. : PCL 0312/67

Report Date : April 19, 2024

Customer Name : บริษัท โอจี ฟอรัจ (ไทยแลนด์) จำกัด
Address : เลขที่ 150/68 หมู่ที่ 9 นิคมอุตสาหกรรมปิ่นทอง 2 ตำบลหนองขาม อำเภอสรรพยา จังหวัดชัยภูมิ 20110
Sampling Source : Community Noise
Sampling Location : ทิศตะวันออก (บริเวณสนามฟุตบอล)
Measured Date : April 3-4, 2024
Measured Instrument : Sound Level Meter Scarlet Tech Model ST-11D Serial Number 820385

Interval Time	Noise Level (dBA)		
	Leq	Lmax	L90
11:00 a.m. - 12:00 a.m.	60.5	80.9	57.0
12:00 a.m. - 01:00 p.m.	54.8	82.3	52.7
01:00 p.m. - 02:00 p.m.	60.4	76.6	57.4
02:00 p.m. - 03:00 p.m.	60.8	74.1	57.6
03:00 p.m. - 04:00 p.m.	61.0	74.8	57.8
04:00 p.m. - 05:00 p.m.	59.9	81.9	56.8
05:00 p.m. - 06:00 p.m.	56.5	70.7	54.4
06:00 p.m. - 07:00 p.m.	59.1	77.7	55.9
07:00 p.m. - 08:00 p.m.	57.2	72.7	54.9
08:00 p.m. - 09:00 p.m.	61.2	85.7	57.4
09:00 p.m. - 10:00 p.m.	62.3	83.3	58.2
10:00 p.m. - 11:00 p.m.	63.3	84.9	59.1
11:00 p.m. - 00:00 p.m.	62.9	83.1	59.2
00:00 p.m. - 01:00 a.m.	53.6	68.9	51.4
01:00 a.m. - 02:00 a.m.	64.8	82.3	60.4
02:00 a.m. - 03:00 a.m.	63.6	78.4	59.2
03:00 a.m. - 04:00 a.m.	63.2	77.7	59.0
04:00 a.m. - 05:00 a.m.	60.3	78.9	55.9
05:00 a.m. - 06:00 a.m.	57.9	73.5	53.4
06:00 a.m. - 07:00 a.m.	59.9	75.9	56.6
07:00 a.m. - 08:00 a.m.	55.6	77.8	52.3
08:00 a.m. - 09:00 a.m.	59.2	86.4	54.5
09:00 a.m. - 10:00 a.m.	61.6	83.4	58.5
10:00 a.m. - 11:00 a.m.	64.0	82.6	59.9
24 Hours Measured	61.0	86.4	57.3
Standard ^{1/}	≤70	≤115	-
Evaluation	pass	pass	-
Ldn	68.4	-	-

Remark : 1. ^{1/} 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 060/2567

Job No. : PCL 0312/67

Report Date : April 19, 2024

Customer Name : บริษัท โอจี ฟอรัจ (ไทยแลนด์) จำกัด
Address : เลขที่ 150/68 หมู่ที่ 9 นิคมอุตสาหกรรมปิ่นทอง 2 ตำบลหนองขาม อำเภอสรรพยา จังหวัดชัยภูมิ 20110
Sampling Source : Community Noise
Sampling Location : ที่สาธารณะ (บริเวณสนามฟุตบอล)
Measured Date : April 4-5, 2024
Measured Instrument : Sound Level Meter Scarlet Tech Model ST-11D Serial Number 820385

Interval Time	Noise Level (dBA)		
	Leq	Lmax	L90
11:00 a.m. - 12:00 a.m.	62.2	78.6	58.5
12:00 a.m. - 01:00 p.m.	57.9	81.1	55.2
01:00 p.m. - 02:00 p.m.	65.0	85.8	60.4
02:00 p.m. - 03:00 p.m.	62.8	82.6	59.1
03:00 p.m. - 04:00 p.m.	63.0	80.6	59.4
04:00 p.m. - 05:00 p.m.	60.2	72.2	57.8
05:00 p.m. - 06:00 p.m.	58.6	74.4	55.8
06:00 p.m. - 07:00 p.m.	60.5	74.8	58.0
07:00 p.m. - 08:00 p.m.	60.7	90.6	53.3
08:00 p.m. - 09:00 p.m.	64.3	83.6	59.0
09:00 p.m. - 10:00 p.m.	63.9	78.4	60.2
10:00 p.m. - 11:00 p.m.	63.8	84.1	59.5
11:00 p.m. - 00:00 p.m.	63.3	76.6	59.5
00:00 p.m. - 01:00 a.m.	53.0	69.1	51.0
01:00 a.m. - 02:00 a.m.	64.5	84.7	59.6
02:00 a.m. - 03:00 a.m.	64.0	84.0	60.2
03:00 a.m. - 04:00 a.m.	63.9	75.4	60.5
04:00 a.m. - 05:00 a.m.	57.2	57.2	57.2
05:00 a.m. - 06:00 a.m.	57.8	73.4	53.9
06:00 a.m. - 07:00 a.m.	59.8	75.8	56.5
07:00 a.m. - 08:00 a.m.	56.8	81.8	53.1
08:00 a.m. - 09:00 a.m.	63.3	84.2	58.0
09:00 a.m. - 10:00 a.m.	62.5	73.7	59.1
10:00 a.m. - 11:00 a.m.	63.5	81.3	59.5
24 Hours Measured	62.2	90.6	58.3
Standard ^{1/}	≤70	≤115	-
Evaluation	pass	pass	-
Ldn	68.9	-	-

Remark : 1. ^{1/} 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 060/2567

Job No. : PCL 0312/67

Report Date : April 19, 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)
Measured Date : April 5-6, 2024
Measured Instrument : Sound Level Meter Scarlet Tech Model ST-11D Serial Number 820385

Interval Time	Noise Level (dBA)		
	Leq	Lmax	L90
11:00 a.m. - 12:00 a.m.	62.5	82.2	58.5
12:00 a.m. - 01:00 p.m.	54.4	67.2	52.8
01:00 p.m. - 02:00 p.m.	63.2	84.6	58.6
02:00 p.m. - 03:00 p.m.	63.1	86.3	58.9
03:00 p.m. - 04:00 p.m.	63.4	76.4	59.7
04:00 p.m. - 05:00 p.m.	59.4	87.6	55.7
05:00 p.m. - 06:00 p.m.	54.5	67.9	52.9
06:00 p.m. - 07:00 p.m.	56.1	72.1	54.4
07:00 p.m. - 08:00 p.m.	52.1	61.7	50.8
08:00 p.m. - 09:00 p.m.	63.0	82.6	58.3
09:00 p.m. - 10:00 p.m.	63.8	83.1	59.7
10:00 p.m. - 11:00 p.m.	62.0	78.4	58.9
11:00 p.m. - 00:00 p.m.	62.0	81.4	58.4
00:00 p.m. - 01:00 a.m.	54.6	72.8	51.9
01:00 a.m. - 02:00 a.m.	64.4	83.3	59.5
02:00 a.m. - 03:00 a.m.	62.9	76.6	58.9
03:00 a.m. - 04:00 a.m.	63.1	77.3	59.2
04:00 a.m. - 05:00 a.m.	58.4	86.3	54.1
05:00 a.m. - 06:00 a.m.	52.2	65.7	51.1
06:00 a.m. - 07:00 a.m.	54.5	76.0	50.9
07:00 a.m. - 08:00 a.m.	52.4	70.3	50.8
08:00 a.m. - 09:00 a.m.	60.3	77.6	56.5
09:00 a.m. - 10:00 a.m.	61.1	81.1	57.1
10:00 a.m. - 11:00 a.m.	60.8	80.1	57.1
24 Hours Measured	60.9	87.6	57.0
Standard ^{1/}	≤70	≤115	-
Evaluation	pass	pass	-
Ldn	68.0	-	-

Remark : 1. ^{1/} 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)



DO NOT COPY PARTIAL OF THIS ANALYSIS REPORT WITHOUT OFFICIAL APPROVAL
REPORT ANALYSIS REFERS TO SUBMITTED SAMPLE (S) ONLY



ANALYSIS REPORT

Analysis No. : NH 060/2567

Job No. : PCL 0312/67

Report Date : April 19, 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)
 Measured Date : April 6-7, 2024
 Measured Instrument : Sound Level Meter Scarlet Tech Model ST-11D Serial Number 820385

Interval Time	Noise Level (dBA)		
	Leq	Lmax	L90
11:00 a.m. – 12:00 a.m.	61.6	88.9	56.8
12:00 a.m. – 01:00 p.m.	54.9	73.6	51.7
01:00 p.m. – 02:00 p.m.	60.4	79.8	56.3
02:00 p.m. – 03:00 p.m.	61.2	87.8	56.9
03:00 p.m. – 04:00 p.m.	61.7	87.8	57.3
04:00 p.m. – 05:00 p.m.	60.8	81.4	56.6
05:00 p.m. – 06:00 p.m.	59.6	87.1	54.8
06:00 p.m. – 07:00 p.m.	61.0	81.6	56.4
07:00 p.m. – 08:00 p.m.	56.3	79.7	53.2
08:00 p.m. – 09:00 p.m.	61.0	79.2	57.1
09:00 p.m. – 10:00 p.m.	62.9	80.1	58.7
10:00 p.m. – 11:00 p.m.	61.1	77.6	57.9
11:00 p.m. – 00:00 p.m.	60.6	76.4	57.6
00:00 p.m. – 01:00 a.m.	53.3	69.4	51.1
01:00 a.m. – 02:00 a.m.	61.9	74.1	58.4
02:00 a.m. – 03:00 a.m.	61.4	73.8	58.6
03:00 a.m. – 04:00 a.m.	61.3	77.0	58.6
04:00 a.m. – 05:00 a.m.	59.1	72.8	55.4
05:00 a.m. – 06:00 a.m.	58.1	73.2	54.5
06:00 a.m. – 07:00 a.m.	60.3	77.7	56.3
07:00 a.m. – 08:00 a.m.	57.9	80.6	52.1
08:00 a.m. – 09:00 a.m.	58.9	72.8	55.4
09:00 a.m. – 10:00 a.m.	62.3	83.8	58.2
10:00 a.m. – 11:00 a.m.	60.9	83.6	57.6
24 Hours Measured	60.4	88.9	56.6
Standard ^{1/}	≤70	≤115	-
Evaluation	pass	pass	-
Ldn	67.0	-	-

Remark : 1. ^{1/} 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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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 060/2567
Job No. : PCL 0312/67
Report Date : April 19, 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)
Measured Date : April 7-8, 2024
Measured Instrument : Sound Level Meter Scarlet Tech Model ST-11D Serial Number 820385

Interval Time	Noise Level (dBA)		
	Leq	Lmax	L90
11:00 a.m. – 12:00 a.m.	60.4	76.3	57.4
12:00 a.m. – 01:00 p.m.	55.6	75.5	51.5
01:00 p.m. – 02:00 p.m.	61.9	76.6	59.0
02:00 p.m. – 03:00 p.m.	61.5	78.1	59.1
03:00 p.m. – 04:00 p.m.	60.8	74.7	58.1
04:00 p.m. – 05:00 p.m.	61.2	83.9	57.8
05:00 p.m. – 06:00 p.m.	58.3	77.2	55.0
06:00 p.m. – 07:00 p.m.	59.7	75.1	56.7
07:00 p.m. – 08:00 p.m.	53.7	70.2	51.6
08:00 p.m. – 09:00 p.m.	51.4	71.2	50.5
09:00 p.m. – 10:00 p.m.	49.7	61.0	47.9
10:00 p.m. – 11:00 p.m.	51.0	66.9	48.7
11:00 p.m. – 00:00 p.m.	50.5	65.2	48.4
00:00 p.m. – 01:00 a.m.	52.0	70.2	50.4
01:00 a.m. – 02:00 a.m.	51.0	55.7	50.5
02:00 a.m. – 03:00 a.m.	51.3	64.5	50.6
03:00 a.m. – 04:00 a.m.	51.0	56.2	50.4
04:00 a.m. – 05:00 a.m.	51.1	56.8	50.5
05:00 a.m. – 06:00 a.m.	52.3	69.7	51.0
06:00 a.m. – 07:00 a.m.	52.0	64.6	50.9
07:00 a.m. – 08:00 a.m.	56.0	76.4	51.1
08:00 a.m. – 09:00 a.m.	60.7	79.9	57.2
09:00 a.m. – 10:00 a.m.	64.1	83.2	59.7
10:00 a.m. – 11:00 a.m.	59.2	76.4	54.7
24 Hours Measured	58.0	83.9	54.9
Standard ^{1/}	≤70	≤115	-
Evaluation	pass	pass	-
Ldn	60.3	-	-

Remark : 1. ^{1/} 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 060/2567
Job No. : PCL 0312/67
Report Date : April 19, 2024

Customer Name : บริษัท ไอจี ฟอรัจ (ไทยแลนด์) จำกัด
Address : เลขที่ 150/68 หมู่ที่ 9 นิคมอุตสาหกรรมปิ่นทอง 2 ตำบลหนองขาม อำเภอสรีราชา จังหวัดชลบุรี 20110
Sampling Source : Community Noise
Sampling Location : ทิศตะวันตก (บริเวณป้อม รปภ. 1)
Measured Date : April 1-2, 2024
Measured Instrument : Sound Level Meter Scarlet Tech Model ST-11D Serial Number 820862

Interval Time	Noise Level (dBA)		
	Leq	Lmax	L90
11:00 a.m. – 12:00 a.m.	67.3	94.0	63.1
12:00 a.m. – 01:00 p.m.	60.1	77.3	55.4
01:00 p.m. – 02:00 p.m.	68.0	80.9	63.7
02:00 p.m. – 03:00 p.m.	71.1	81.5	65.8
03:00 p.m. – 04:00 p.m.	71.3	85.5	66.0
04:00 p.m. – 05:00 p.m.	68.0	96.1	62.2
05:00 p.m. – 06:00 p.m.	62.5	81.9	56.9
06:00 p.m. – 07:00 p.m.	63.2	85.7	58.5
07:00 p.m. – 08:00 p.m.	68.6	98.5	60.2
08:00 p.m. – 09:00 p.m.	67.9	84.5	62.6
09:00 p.m. – 10:00 p.m.	71.5	96.2	66.1
10:00 p.m. – 11:00 p.m.	71.2	95.3	66.1
11:00 p.m. – 00:00 p.m.	68.5	90.8	63.4
00:00 p.m. – 01:00 a.m.	58.3	81.5	53.8
01:00 a.m. – 02:00 a.m.	70.0	80.1	65.3
02:00 a.m. – 03:00 a.m.	71.1	81.8	65.9
03:00 a.m. – 04:00 a.m.	68.5	97.4	63.2
04:00 a.m. – 05:00 a.m.	64.6	95.8	57.4
05:00 a.m. – 06:00 a.m.	60.7	78.9	56.8
06:00 a.m. – 07:00 a.m.	70.1	85.5	64.7
07:00 a.m. – 08:00 a.m.	70.1	90.5	64.1
08:00 a.m. – 09:00 a.m.	65.9	86.2	60.7
09:00 a.m. – 10:00 a.m.	69.9	81.0	65.0
10:00 a.m. – 11:00 a.m.	65.2	87.9	61.4
24 Hours Measured	68.5	98.5	63.2
Standard ^{1/}	≤70	≤115	-
Evaluation	pass	pass	-
Ldn	75.2	-	-

Remark : 1. ^{1/} 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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Amphoe Bang Bua Thong, Nonthaburi 11110

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

ANALYSIS REPORT

Analysis No. : NH 060/2567

Job No. : PCL 0312/67

Report Date : April 19, 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)
Measured Date : April 2-3, 2024
Measured Instrument : Sound Level Meter Scarlet Tech Model ST-11D Serial Number 820862

Interval Time	Noise Level (dBA)		
	Leq	Lmax	L90
11:00 a.m. - 12:00 a.m.	67.5	99.4	61.4
12:00 a.m. - 01:00 p.m.	64.5	98.0	54.5
01:00 p.m. - 02:00 p.m.	65.6	87.1	54.9
02:00 p.m. - 03:00 p.m.	64.4	83.9	54.4
03:00 p.m. - 04:00 p.m.	65.4	86.5	55.1
04:00 p.m. - 05:00 p.m.	66.2	86.9	55.2
05:00 p.m. - 06:00 p.m.	68.2	95.6	55.7
06:00 p.m. - 07:00 p.m.	68.2	92.6	55.6
07:00 p.m. - 08:00 p.m.	67.8	89.2	55.5
08:00 p.m. - 09:00 p.m.	70.4	92.2	66.4
09:00 p.m. - 10:00 p.m.	70.0	91.3	67.9
10:00 p.m. - 11:00 p.m.	63.5	79.7	52.0
11:00 p.m. - 00:00 p.m.	63.1	77.2	51.6
00:00 p.m. - 01:00 a.m.	62.6	81.5	49.8
01:00 a.m. - 02:00 a.m.	66.2	95.4	62.4
02:00 a.m. - 03:00 a.m.	71.7	93.3	70.2
03:00 a.m. - 04:00 a.m.	71.3	94.9	69.5
04:00 a.m. - 05:00 a.m.	62.4	80.1	47.2
05:00 a.m. - 06:00 a.m.	61.5	79.9	46.3
06:00 a.m. - 07:00 a.m.	61.9	78.7	44.3
07:00 a.m. - 08:00 a.m.	63.6	83.2	45.5
08:00 a.m. - 09:00 a.m.	68.5	91.4	51.6
09:00 a.m. - 10:00 a.m.	69.3	94.8	53.7
10:00 a.m. - 11:00 a.m.	68.5	92.7	56.2
24 Hours Measured	68.5	98.5	63.2
Standard ^{1/}	≤70	≤115	-
Evaluation	pass	pass	-
Ldn	75.2	-	-

Remark : 1. ^{1/} 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 060/2567
Job No. : PCL 0312/67
Report Date : April 19, 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 (บริเวณป้อม รปภ. 1)
Measured Date : April 3-4, 2024
Measured Instrument : Sound Level Meter Scarlet Tech Model ST-11D Serial Number 820862

Interval Time	Noise Level (dBA)		
	Leq	Lmax	L90
11:00 a.m. - 12:00 a.m.	63.9	89.2	56.7
12:00 a.m. - 01:00 p.m.	63.8	84.4	57.3
01:00 p.m. - 02:00 p.m.	63.6	80.9	60.8
02:00 p.m. - 03:00 p.m.	64.7	86.2	60.6
03:00 p.m. - 04:00 p.m.	67.1	80.3	62.9
04:00 p.m. - 05:00 p.m.	69.5	90.9	64.3
05:00 p.m. - 06:00 p.m.	63.6	85.7	59.3
06:00 p.m. - 07:00 p.m.	70.9	93.3	65.5
07:00 p.m. - 08:00 p.m.	72.7	91.9	66.9
08:00 p.m. - 09:00 p.m.	72.1	96.1	66.7
09:00 p.m. - 10:00 p.m.	71.7	98.6	66.6
10:00 p.m. - 11:00 p.m.	68.2	97.5	63.0
11:00 p.m. - 00:00 p.m.	68.4	96.9	63.2
00:00 p.m. - 01:00 a.m.	57.3	78.2	53.0
01:00 a.m. - 02:00 a.m.	70.2	81.1	65.5
02:00 a.m. - 03:00 a.m.	71.8	83.3	66.7
03:00 a.m. - 04:00 a.m.	69.7	94.2	64.9
04:00 a.m. - 05:00 a.m.	70.4	95.0	64.8
05:00 a.m. - 06:00 a.m.	60.5	85.5	55.8
06:00 a.m. - 07:00 a.m.	67.5	94.1	61.3
07:00 a.m. - 08:00 a.m.	71.3	102.4	62.1
08:00 a.m. - 09:00 a.m.	63.9	89.7	58.6
09:00 a.m. - 10:00 a.m.	67.6	90.2	63.1
10:00 a.m. - 11:00 a.m.	69.7	93.1	64.6
24 Hours Measured	68.9	102.4	63.5
Standard ^{1/}	≤70	≤115	-
Evaluation	pass	pass	-
Ldn	75.6	-	-

Remark : 1. ^{1/} 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 060/2567

Job No. : PCL 0312/67

Report Date : April 19, 2024

Customer Name : บริษัท โอจี ฟอรัจ (ไทยแลนด์) จำกัด
Address : เลขที่ 150/68 หมู่ที่ 9 นิคมอุตสาหกรรมปิ่นทอง 2 ตำบลหนองขาม อำเภอสรีราชา จังหวัดชลบุรี 20110
Sampling Source : Community Noise
Sampling Location : ทิศตะวันตก (บริเวณบ่อบำบัด รพ. 1)
Measured Date : April 4-5, 2024
Measured Instrument : Sound Level Meter Scarlet Tech Model ST-11D Serial Number 820862

Interval Time	Noise Level (dBA)		
	Leq	Lmax	L90
11:00 a.m. - 12:00 a.m.	62.6	85.2	59.7
12:00 a.m. - 01:00 p.m.	64.9	91.2	59.7
01:00 p.m. - 02:00 p.m.	67.7	82.7	63.3
02:00 p.m. - 03:00 p.m.	65.4	93.1	61.9
03:00 p.m. - 04:00 p.m.	66.6	83.4	63.1
04:00 p.m. - 05:00 p.m.	69.5	86.3	64.1
05:00 p.m. - 06:00 p.m.	64.0	81.9	58.0
06:00 p.m. - 07:00 p.m.	70.0	89.5	65.1
07:00 p.m. - 08:00 p.m.	70.6	93.1	63.3
08:00 p.m. - 09:00 p.m.	63.6	85.0	58.5
09:00 p.m. - 10:00 p.m.	65.7	89.2	62.2
10:00 p.m. - 11:00 p.m.	70.3	82.4	65.3
11:00 p.m. - 00:00 p.m.	68.5	81.8	63.4
00:00 p.m. - 01:00 a.m.	56.7	77.3	53.5
01:00 a.m. - 02:00 a.m.	69.7	79.9	65.1
02:00 a.m. - 03:00 a.m.	71.4	84.6	66.2
03:00 a.m. - 04:00 a.m.	71.6	95.0	66.1
04:00 a.m. - 05:00 a.m.	67.1	96.3	61.4
05:00 a.m. - 06:00 a.m.	60.6	83.5	55.6
06:00 a.m. - 07:00 a.m.	65.0	89.2	58.6
07:00 a.m. - 08:00 a.m.	70.6	97.7	62.1
08:00 a.m. - 09:00 a.m.	68.6	90.6	63.0
09:00 a.m. - 10:00 a.m.	70.6	80.9	65.6
10:00 a.m. - 11:00 a.m.	66.7	101.4	61.6
24 Hours Measured	68.2	101.4	62.9
Standard ^{1/}	≤70	≤115	-
Evaluation	pass	pass	-
Ldn	75.0	-	-

Remark : 1. ^{1/} 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 060/2567

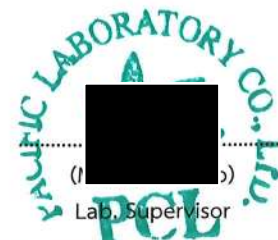
Job No. : PCL 0312/67

Report Date : April 19, 2024

Customer Name : บริษัท ไอจี 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)
Measured Date : April 5-6, 2024
Measured Instrument : Sound Level Meter Scarlet Tech Model ST-11D Serial Number 820862

Interval Time	Noise Level (dBA)		
	Leq	Lmax	L90
11:00 a.m. – 12:00 a.m.	62.3	90.2	58.5
12:00 a.m. – 01:00 p.m.	61.9	83.6	58.8
01:00 p.m. – 02:00 p.m.	69.9	81.0	65.2
02:00 p.m. – 03:00 p.m.	70.0	82.0	65.7
03:00 p.m. – 04:00 p.m.	69.8	82.0	65.4
04:00 p.m. – 05:00 p.m.	67.5	84.1	62.4
05:00 p.m. – 06:00 p.m.	62.7	82.5	56.3
06:00 p.m. – 07:00 p.m.	61.4	85.0	57.5
07:00 p.m. – 08:00 p.m.	66.5	88.6	57.6
08:00 p.m. – 09:00 p.m.	68.0	85.3	62.7
09:00 p.m. – 10:00 p.m.	71.4	97.3	66.0
10:00 p.m. – 11:00 p.m.	69.2	95.6	63.7
11:00 p.m. – 00:00 p.m.	61.3	87.5	58.1
00:00 p.m. – 01:00 a.m.	56.6	76.6	51.5
01:00 a.m. – 02:00 a.m.	68.9	86.3	64.2
02:00 a.m. – 03:00 a.m.	71.0	81.1	65.6
03:00 a.m. – 04:00 a.m.	70.8	83.9	65.9
04:00 a.m. – 05:00 a.m.	63.5	82.0	58.4
05:00 a.m. – 06:00 a.m.	58.3	76.8	51.1
06:00 a.m. – 07:00 a.m.	62.1	89.8	52.2
07:00 a.m. – 08:00 a.m.	67.3	87.4	59.2
08:00 a.m. – 09:00 a.m.	63.7	88.8	57.8
09:00 a.m. – 10:00 a.m.	63.8	88.8	57.9
10:00 a.m. – 11:00 a.m.	64.6	79.2	58.1
24 Hours Measured	67.2	97.3	62.0
Standard ^{1/}	≤70	≤115	-
Evaluation	pass	pass	-
Ldn	74.4	-	-

Remark : 1. ^{1/} 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 060/2567

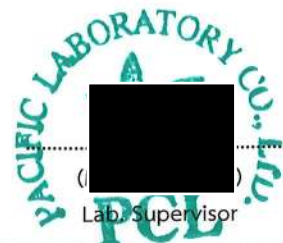
Job No. : PCL 0312/67

Report Date : April 19, 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)
Measured Date : April 6-7, 2024
Measured Instrument : Sound Level Meter Scarlet Tech Model ST-11D Serial Number 820862

Interval Time	Noise Level (dBA)		
	Leq	Lmax	L90
11:00 a.m. - 12:00 a.m.	63.1	83.6	54.9
12:00 a.m. - 01:00 p.m.	58.3	78.5	51.3
01:00 p.m. - 02:00 p.m.	60.4	78.8	57.5
02:00 p.m. - 03:00 p.m.	60.8	77.7	57.6
03:00 p.m. - 04:00 p.m.	60.9	75.1	57.6
04:00 p.m. - 05:00 p.m.	62.7	86.8	57.7
05:00 p.m. - 06:00 p.m.	62.9	86.2	55.9
06:00 p.m. - 07:00 p.m.	61.5	78.7	57.7
07:00 p.m. - 08:00 p.m.	65.9	91.7	57.1
08:00 p.m. - 09:00 p.m.	62.0	86.0	56.6
09:00 p.m. - 10:00 p.m.	60.4	76.5	57.7
10:00 p.m. - 11:00 p.m.	61.2	86.9	57.8
11:00 p.m. - 00:00 p.m.	58.9	72.7	56.6
00:00 p.m. - 01:00 a.m.	55.0	73.4	51.9
01:00 a.m. - 02:00 a.m.	59.8	73.6	58.2
02:00 a.m. - 03:00 a.m.	59.3	71.6	57.5
03:00 a.m. - 04:00 a.m.	60.0	72.6	58.1
04:00 a.m. - 05:00 a.m.	58.8	77.4	55.7
05:00 a.m. - 06:00 a.m.	60.1	89.8	53.2
06:00 a.m. - 07:00 a.m.	60.8	77.7	57.6
07:00 a.m. - 08:00 a.m.	66.5	90.7	57.8
08:00 a.m. - 09:00 a.m.	61.4	85.7	56.9
09:00 a.m. - 10:00 a.m.	61.2	77.0	58.1
10:00 a.m. - 11:00 a.m.	60.9	75.5	57.8
24 Hours Measured	61.6	91.7	56.9
Standard ^{1/}	≤70	≤115	-
Evaluation	pass	pass	-
Ldn	66.5	-	-

Remark : 1. ^{1/} 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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REPORT ANALYSIS REFERS TO SUBMITTED SAMPLE (S) ONLY

ANALYSIS REPORT

Analysis No. : NH 060/2567
Job No. : PCL 0312/67
Report Date : April 19, 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)
Measured Date : April 7-8, 2024
Measured Instrument : Sound Level Meter Scarlet Tech Model ST-11D Serial Number 820862

Interval Time	Noise Level (dBA)		
	Leq	Lmax	L90
11:00 a.m. – 12:00 a.m.	61.5	91.9	56.2
12:00 a.m. – 01:00 p.m.	57.6	77.1	50.5
01:00 p.m. – 02:00 p.m.	62.2	89.1	58.8
02:00 p.m. – 03:00 p.m.	61.0	82.7	57.0
03:00 p.m. – 04:00 p.m.	60.0	74.3	57.1
04:00 p.m. – 05:00 p.m.	60.3	80.9	56.5
05:00 p.m. – 06:00 p.m.	58.8	78.3	53.9
06:00 p.m. – 07:00 p.m.	62.3	86.5	58.1
07:00 p.m. – 08:00 p.m.	66.2	94.3	53.8
08:00 p.m. – 09:00 p.m.	58.5	75.0	55.2
09:00 p.m. – 10:00 p.m.	59.1	78.7	56.4
10:00 p.m. – 11:00 p.m.	58.7	72.8	57.1
11:00 p.m. – 00:00 p.m.	58.0	72.6	56.3
00:00 p.m. – 01:00 a.m.	59.1	73.0	57.7
01:00 a.m. – 02:00 a.m.	60.2	75.5	59.0
02:00 a.m. – 03:00 a.m.	60.5	72.6	59.1
03:00 a.m. – 04:00 a.m.	60.5	72.3	59.2
04:00 a.m. – 05:00 a.m.	60.7	74.6	59.0
05:00 a.m. – 06:00 a.m.	60.7	73.6	58.5
06:00 a.m. – 07:00 a.m.	63.4	81.9	59.2
07:00 a.m. – 08:00 a.m.	68.6	92.3	62.5
08:00 a.m. – 09:00 a.m.	63.8	85.1	58.1
09:00 a.m. – 10:00 a.m.	63.7	81.7	58.7
10:00 a.m. – 11:00 a.m.	66.9	86.7	60.3
24 Hours Measured	62.4	94.3	58.0
Standard ^{1/}	≤70	≤115	-
Evaluation	pass	pass	-
Ldn	67.0	-	-

Remark : 1. ^{1/} 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 060/2567
Job No. : PCL 0312/67
Report Date : April 19, 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
Measured Date : April 1-2, 2024
Measured Instrument : Sound Level Meter Scarlet Tech Model ST-11D Serial Number 820967

Interval Time	Noise Level (dBA)		
	Leq	Lmax	L90
12:00 a.m. – 01:00 p.m.	48.9	70.8	42.1
01:00 p.m. – 02:00 p.m.	51.1	74.3	46.9
02:00 p.m. – 03:00 p.m.	51.0	68.5	47.7
03:00 p.m. – 04:00 p.m.	54.1	76.1	48.7
04:00 p.m. – 05:00 p.m.	56.0	75.0	50.1
05:00 p.m. – 06:00 p.m.	55.4	84.7	50.4
06:00 p.m. – 07:00 p.m.	55.5	73.0	50.5
07:00 p.m. – 08:00 p.m.	53.3	74.8	48.5
08:00 p.m. – 09:00 p.m.	48.2	68.2	43.3
09:00 p.m. – 10:00 p.m.	46.4	63.5	42.8
10:00 p.m. – 11:00 p.m.	49.0	63.6	43.2
11:00 p.m. – 00:00 p.m.	45.8	59.7	40.6
00:00 p.m. – 01:00 a.m.	43.1	62.2	39.8
01:00 a.m. – 02:00 a.m.	43.7	63.4	41.4
02:00 a.m. – 03:00 a.m.	42.7	58.1	40.5
03:00 a.m. – 04:00 a.m.	43.6	59.5	41.2
04:00 a.m. – 05:00 a.m.	45.8	64.5	40.3
05:00 a.m. – 06:00 a.m.	50.2	65.3	41.9
06:00 a.m. – 07:00 a.m.	51.2	70.0	44.2
07:00 a.m. – 08:00 a.m.	52.8	74.9	46.3
08:00 a.m. – 09:00 a.m.	52.9	76.2	47.6
09:00 a.m. – 10:00 a.m.	52.8	71.1	49.2
10:00 a.m. – 11:00 a.m.	52.7	69.7	49.8
11:00 a.m. – 12:00 a.m.	51.1	67.1	48.6
24 Hours Measured	51.5	84.7	46.7
Standard ^{1/}	≤70	≤115	-
Evaluation	pass	pass	-
Ldn	54.6	-	-

Remark : 1. ^{1/} 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 060/2567

Job No. : PCL 0312/67

Report Date : April 19, 2024

Customer Name : บริษัท โอจี ฟอรัจ (ไทยแลนด์) จำกัด
Address : เลขที่ 150/68 หมู่ที่ 9 นิคมอุตสาหกรรมปิ่นทอง 2 ตำบลหนองขาม อำเภอดุสิต จังหวัดชลบุรี 20110
Sampling Source : Community Noise
Sampling Location : บริเวณชุมชนหนองยายบัว
Measured Date : April 2-3, 2024
Measured Instrument : Sound Level Meter Scarlet Tech Model ST-11D Serial Number 820967

Interval Time	Noise Level (dBA)		
	Leq	Lmax	L90
12:00 a.m. - 01:00 p.m.	48.5	72.6	41.6
01:00 p.m. - 02:00 p.m.	53.8	72.7	48.1
02:00 p.m. - 03:00 p.m.	51.1	70.7	47.0
03:00 p.m. - 04:00 p.m.	53.3	74.3	48.2
04:00 p.m. - 05:00 p.m.	49.5	70.4	46.5
05:00 p.m. - 06:00 p.m.	53.9	69.8	48.1
06:00 p.m. - 07:00 p.m.	51.3	76.1	47.9
07:00 p.m. - 08:00 p.m.	50.1	72.3	45.0
08:00 p.m. - 09:00 p.m.	46.6	70.4	43.6
09:00 p.m. - 10:00 p.m.	43.6	60.5	41.3
10:00 p.m. - 11:00 p.m.	43.6	55.0	41.8
11:00 p.m. - 00:00 p.m.	42.6	67.5	40.4
00:00 p.m. - 01:00 a.m.	41.0	61.3	39.0
01:00 a.m. - 02:00 a.m.	45.7	72.2	41.5
02:00 a.m. - 03:00 a.m.	43.1	61.0	40.4
03:00 a.m. - 04:00 a.m.	43.8	62.3	40.5
04:00 a.m. - 05:00 a.m.	46.8	63.7	40.7
05:00 a.m. - 06:00 a.m.	51.8	67.4	43.7
06:00 a.m. - 07:00 a.m.	51.1	69.2	44.7
07:00 a.m. - 08:00 a.m.	52.7	71.8	45.4
08:00 a.m. - 09:00 a.m.	55.1	72.7	51.1
09:00 a.m. - 10:00 a.m.	53.6	73.3	50.4
10:00 a.m. - 11:00 a.m.	52.7	82.7	49.1
11:00 a.m. - 12:00 a.m.	51.9	70.4	48.9
24 Hours Measured	50.7	82.7	46.2
Standard ^{1/}	≤70	≤115	-
Evaluation	pass	pass	-
Ldn	54.0	-	-

Remark : 1. ^{1/} 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



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

ANALYSIS REPORT

Analysis No. : NH 060/2567

Job No. : PCL 0312/67

Report Date : April 19, 2024

Customer Name : บริษัท ไอจี พอร์จ (ไทยแลนด์) จำกัด
Address : เลขที่ 150/68 หมู่ที่ 9 นิคมอุตสาหกรรมปิ่นทอง 2 ตำบลหนองขาโม อำเภอศรีราชา จังหวัดชลบุรี 20110
Sampling Source : Community Noise
Sampling Location : บริเวณชุมชนหนองยายบัว
Measured Date : April 3-4, 2024
Measured Instrument : Sound Level Meter Scarlet Tech Model ST-11D Serial Number 820967

Interval Time	Noise Level (dBA)		
	Leq	Lmax	L90
12:00 a.m. - 01:00 p.m.	49.0	79.4	40.0
01:00 p.m. - 02:00 p.m.	54.1	70.5	50.2
02:00 p.m. - 03:00 p.m.	55.0	72.8	50.9
03:00 p.m. - 04:00 p.m.	54.1	76.0	50.4
04:00 p.m. - 05:00 p.m.	51.7	74.8	47.0
05:00 p.m. - 06:00 p.m.	53.1	74.3	48.7
06:00 p.m. - 07:00 p.m.	53.6	77.8	48.8
07:00 p.m. - 08:00 p.m.	49.0	67.7	46.2
08:00 p.m. - 09:00 p.m.	47.8	67.5	44.6
09:00 p.m. - 10:00 p.m.	46.0	68.1	42.5
10:00 p.m. - 11:00 p.m.	44.3	63.4	41.2
11:00 p.m. - 00:00 p.m.	43.5	67.6	40.8
00:00 p.m. - 01:00 a.m.	42.4	58.1	39.2
01:00 a.m. - 02:00 a.m.	45.2	80.7	41.4
02:00 a.m. - 03:00 a.m.	44.2	68.2	40.4
03:00 a.m. - 04:00 a.m.	45.0	62.2	40.8
04:00 a.m. - 05:00 a.m.	48.4	64.0	42.0
05:00 a.m. - 06:00 a.m.	50.9	74.9	42.7
06:00 a.m. - 07:00 a.m.	51.1	75.4	45.0
07:00 a.m. - 08:00 a.m.	51.2	71.0	45.5
08:00 a.m. - 09:00 a.m.	53.7	70.7	50.0
09:00 a.m. - 10:00 a.m.	53.3	77.5	49.4
10:00 a.m. - 11:00 a.m.	53.5	71.7	50.9
11:00 a.m. - 12:00 a.m.	52.0	87.6	46.7
24 Hours Measured	51.1	87.6	46.9
Standard ^V	≤70	≤115	-
Evaluation	pass	pass	-
Ldn	54.4	-	-

Remark : 1. ^V 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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ANALYSIS REPORT

Analysis No. : NH 060/2567

Job No. : PCL 0312/67

Report Date : April 19, 2024

Customer Name : บริษัท ไอจี ฟอรัจ (ไทยแลนด์) จำกัด
Address : เลขที่ 150/68 หมู่ที่ 9 นิคมอุตสาหกรรมปิ่นทอง 2 ตำบลหนองขาม อำเภอศรีราชา จังหวัดชลบุรี 20110
Sampling Source : Community Noise
Sampling Location : บริเวณชุมชนหนองยายบัว
Measured Date : April 4-5, 2024
Measured Instrument : Sound Level Meter Scarlet Tech Model ST-11D Serial Number 820967

Interval Time	Noise Level (dBA)		
	Leq	Lmax	L90
12:00 a.m. - 01:00 p.m.	48.5	75.0	41.8
01:00 p.m. - 02:00 p.m.	53.2	71.2	48.9
02:00 p.m. - 03:00 p.m.	54.9	72.3	48.2
03:00 p.m. - 04:00 p.m.	52.8	72.4	47.9
04:00 p.m. - 05:00 p.m.	50.9	68.8	48.4
05:00 p.m. - 06:00 p.m.	52.2	70.8	47.3
06:00 p.m. - 07:00 p.m.	51.5	81.1	47.1
07:00 p.m. - 08:00 p.m.	55.1	70.8	45.7
08:00 p.m. - 09:00 p.m.	47.7	71.2	43.0
09:00 p.m. - 10:00 p.m.	46.4	72.1	41.5
10:00 p.m. - 11:00 p.m.	44.0	75.7	41.0
11:00 p.m. - 00:00 p.m.	41.1	50.1	39.8
00:00 p.m. - 01:00 a.m.	42.3	66.7	39.5
01:00 a.m. - 02:00 a.m.	42.5	66.2	39.6
02:00 a.m. - 03:00 a.m.	43.1	61.3	39.8
03:00 a.m. - 04:00 a.m.	42.4	56.8	40.5
04:00 a.m. - 05:00 a.m.	47.5	65.0	41.4
05:00 a.m. - 06:00 a.m.	51.6	72.1	44.2
06:00 a.m. - 07:00 a.m.	50.0	76.2	46.3
07:00 a.m. - 08:00 a.m.	54.6	76.8	48.5
08:00 a.m. - 09:00 a.m.	56.2	73.7	50.9
09:00 a.m. - 10:00 a.m.	54.8	79.4	49.8
10:00 a.m. - 11:00 a.m.	53.8	70.1	48.8
11:00 a.m. - 12:00 a.m.	51.1	79.8	46.8
24 Hours Measured	51.5	81.1	46.3
Standard ^{1/}	≤70	≤115	-
Evaluation	pass	pass	-
Ldn	54.4	-	-

Remark : 1. ^{1/} 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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Tel. : 0-2045-2446-7 Fax. : 0-2045-3991

ANALYSIS REPORT

Analysis No. : NH 060/2567
 Job No. : PCL 0312/67
 Report Date : April 19, 2024

Customer Name : บริษัท ไอจี ฟอรัจ (ไทยแลนด์) จำกัด
 Address : เลขที่ 150/68 หมู่ที่ 9 นิคมอุตสาหกรรมปิ่นทอง 2 ตำบลหนองขาม อำเภอศรีราชา จังหวัดชลบุรี 20110
 Sampling Source : Community Noise
 Sampling Location : บริเวณชุมชนหนองยายปู่
 Measured Date : April 5-6, 2024
 Measured Instrument : Sound Level Meter Scarlet Tech Model ST-11D Serial Number 820967

Interval Time	Noise Level (dBA)		
	Leq	Lmax	L90
12:00 a.m. – 01:00 p.m.	46.2	74.5	40.3
01:00 p.m. – 02:00 p.m.	50.6	69.7	45.6
02:00 p.m. – 03:00 p.m.	51.3	72.5	48.5
03:00 p.m. – 04:00 p.m.	54.3	72.1	49.0
04:00 p.m. – 05:00 p.m.	50.5	67.2	46.7
05:00 p.m. – 06:00 p.m.	52.7	72.7	45.8
06:00 p.m. – 07:00 p.m.	53.2	79.4	48.6
07:00 p.m. – 08:00 p.m.	51.6	80.5	47.8
08:00 p.m. – 09:00 p.m.	47.4	69.2	43.3
09:00 p.m. – 10:00 p.m.	46.8	71.0	41.8
10:00 p.m. – 11:00 p.m.	50.5	81.3	40.9
11:00 p.m. – 00:00 p.m.	42.6	61.1	40.4
00:00 p.m. – 01:00 a.m.	42.7	61.8	41.0
01:00 a.m. – 02:00 a.m.	43.8	74.3	40.8
02:00 a.m. – 03:00 a.m.	43.0	68.5	40.8
03:00 a.m. – 04:00 a.m.	44.5	63.4	41.6
04:00 a.m. – 05:00 a.m.	47.7	62.8	40.9
05:00 a.m. – 06:00 a.m.	51.1	65.9	43.5
06:00 a.m. – 07:00 a.m.	50.0	73.8	43.5
07:00 a.m. – 08:00 a.m.	50.8	70.6	45.6
08:00 a.m. – 09:00 a.m.	52.2	71.9	48.5
09:00 a.m. – 10:00 a.m.	52.1	77.6	49.3
10:00 a.m. – 11:00 a.m.	54.5	79.8	49.1
11:00 a.m. – 12:00 a.m.	52.0	77.2	47.5
24 Hours Measured	50.5	81.3	45.8
Standard ^{1/}	≤70	≤115	-
Evaluation	pass	pass	-
Ldn	54.5	-	-

Remark : 1. ^{1/} 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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ANALYSIS REPORT

Analysis No. : NH 060/2567

Job No. : PCL 0312/67

Report Date : April 19, 2024

Customer Name : บริษัท ไอจี ฟอรัจ (ไทยแลนด์) จำกัด
Address : เลขที่ 150/68 หมู่ที่ 9 นิคมอุตสาหกรรมปิ่นทอง 2 ตำบลหนองขาม อำเภอศรีราชา จังหวัดชลบุรี 20110
Sampling Source : Community Noise
Sampling Location : บริเวณชุมชนหนองยายบัว
Measured Date : April 6-7, 2024
Measured Instrument : Sound Level Meter Scarlet Tech Model ST-11D Serial Number 820967

Interval Time	Noise Level (dBA)		
	Leq	Lmax	L90
12:00 a.m. – 01:00 p.m.	49.6	72.7	41.7
01:00 p.m. – 02:00 p.m.	52.2	74.1	49.1
02:00 p.m. – 03:00 p.m.	52.8	71.3	50.1
03:00 p.m. – 04:00 p.m.	52.3	70.1	48.2
04:00 p.m. – 05:00 p.m.	54.8	82.3	46.6
05:00 p.m. – 06:00 p.m.	54.7	79.7	48.7
06:00 p.m. – 07:00 p.m.	52.1	82.5	48.0
07:00 p.m. – 08:00 p.m.	49.4	72.0	45.6
08:00 p.m. – 09:00 p.m.	47.2	66.6	42.8
09:00 p.m. – 10:00 p.m.	45.1	62.0	41.1
10:00 p.m. – 11:00 p.m.	43.8	67.8	40.4
11:00 p.m. – 00:00 p.m.	41.9	68.6	39.6
00:00 p.m. – 01:00 a.m.	44.0	76.8	39.8
01:00 a.m. – 02:00 a.m.	43.4	69.4	40.4
02:00 a.m. – 03:00 a.m.	41.8	66.1	38.1
03:00 a.m. – 04:00 a.m.	43.1	68.6	38.8
04:00 a.m. – 05:00 a.m.	46.7	64.1	39.9
05:00 a.m. – 06:00 a.m.	51.2	69.3	43.1
06:00 a.m. – 07:00 a.m.	49.5	61.6	46.4
07:00 a.m. – 08:00 a.m.	48.4	66.3	43.5
08:00 a.m. – 09:00 a.m.	51.2	71.1	47.2
09:00 a.m. – 10:00 a.m.	52.9	75.8	48.3
10:00 a.m. – 11:00 a.m.	49.0	72.1	45.3
11:00 a.m. – 12:00 a.m.	48.7	71.8	44.7
24 Hours Measured	50.2	82.5	45.5
Standard ^{1/}	≤70	≤115	-
Evaluation	pass	pass	-
Ldn	53.6	-	-

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





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 060/2567

Job No. : PCL 0312/67

Report Date : April 19, 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
 Measured Date : April 7-8, 2024
 Measured Instrument : Sound Level Meter Scarlet Tech Model ST-11D Serial Number 820967

Interval Time	Noise Level (dBA)		
	Leq	Lmax	L90
12:00 a.m. – 01:00 p.m.	48.4	71.3	39.5
01:00 p.m. – 02:00 p.m.	50.4	69.9	45.6
02:00 p.m. – 03:00 p.m.	48.5	68.2	44.9
03:00 p.m. – 04:00 p.m.	48.8	68.3	44.7
04:00 p.m. – 05:00 p.m.	47.9	72.4	43.4
05:00 p.m. – 06:00 p.m.	49.9	72.3	44.0
06:00 p.m. – 07:00 p.m.	53.0	87.0	45.2
07:00 p.m. – 08:00 p.m.	48.7	73.0	41.5
08:00 p.m. – 09:00 p.m.	46.5	72.7	40.3
09:00 p.m. – 10:00 p.m.	43.5	70.9	38.8
10:00 p.m. – 11:00 p.m.	41.4	62.5	38.2
11:00 p.m. – 00:00 p.m.	41.0	54.6	38.7
00:00 p.m. – 01:00 a.m.	39.4	65.4	37.7
01:00 a.m. – 02:00 a.m.	39.4	68.5	37.5
02:00 a.m. – 03:00 a.m.	38.3	60.6	37.5
03:00 a.m. – 04:00 a.m.	42.5	62.1	37.5
04:00 a.m. – 05:00 a.m.	45.1	66.1	37.8
05:00 a.m. – 06:00 a.m.	54.3	67.6	44.8
06:00 a.m. – 07:00 a.m.	50.1	66.4	44.9
07:00 a.m. – 08:00 a.m.	53.8	72.7	47.7
08:00 a.m. – 09:00 a.m.	56.1	84.4	51.1
09:00 a.m. – 10:00 a.m.	51.5	71.0	48.3
10:00 a.m. – 11:00 a.m.	49.0	69.0	45.1
11:00 a.m. – 12:00 a.m.	49.4	79.4	43.2
24 Hours Measured	49.7	87.0	44.2
Standard ^{1/}	≤70	≤115	-
Evaluation	pass	pass	-
Ldn	53.8	-	-

Remark : 1. ^{1/} 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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ภาคผนวก ค-2

ใบรายงานผลการตรวจวัดคุณภาพอากาศ
จากปล่องระบาย



ANALYSIS REPORT

Analysis No. : Lab-S 055/2567

Report Date : April 26, 2024

CUSTOMER NAME : บริษัท ไอจี พอร์จ (ไทยแลนด์) จำกัด
ADDRESS : เลขที่ 150/68 หมู่ที่ 9 นิคมอุตสาหกรรมปิ่นทอง 2 ตำบลหนองขาม อำเภอศรีราชา จังหวัดชลบุรี 20110
SAMPLING SOURCE : ปล่องระบายอากาศ เครื่องทุบขึ้นรูป 1600T Line 1
SAMPLING DATE : April 4, 2024 SAMPLING TIME : 02:40 PM - 03:20 PM
RECEIVED DATE : April 8, 2024 ANALYTICAL DATE : April 8-25, 2024
SAMPLING METHOD : US. EPA Method SAMPLE CONDITION : Good
FUEL TYPE : - COMBUSTION SYSTEM : Process
SAMPLING BY : [REDACTED] GPS. COORDINATES : 47N 719782 , 1450622

Item	Description	Unit	Method of Analysis	Actual Condition ^{3/}	Standard ^{1/}	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	758.64	-	-
5.	Air Velocity	m/s	US. EPA Method 2	7.54	-	-
6.	Flow Rate	Nm ³ /hr	US. EPA Method 2	9,101.15	-	-
7.	Oxygen Rate	%	US. EPA Method 3	20.40	-	-
8.	Carbon dioxide Rate	%	US. EPA Method 3	<0.01	-	-
9.	Moisture	%	US. EPA Method 4	2.6	-	-
10.	Total Suspended Particulate	mg/m ³	US. EPA Method 5/ Isokinetic, Gravimetric	0.629	≤400	Pass
		Kg/rai/day ^{2/}		0.00221	-	-
		Kg/day ^{2/}		0.14016	-	-

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

[REDACTED]

Analyst



[REDACTED]

Laboratory Supervisor

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ANALYSIS REPORT

Analysis No. : Lab-S 055/2567
Report Date : April 26, 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 (ต่อ)
SAMPLING DATE : April 4, 2024 SAMPLING TIME : 02:40 PM - 03:20 PM
RECEIVED DATE : April 8, 2024 ANALYTICAL DATE : April 8-25, 2024
SAMPLING METHOD : US. EPA Method SAMPLE CONDITION : Good
FUEL TYPE : - COMBUSTION SYSTEM : Process
SAMPLING BY : [REDACTED] GPS. COORDINATES : 47N 719782 , 1450622

Item	Description	Unit	Method of Analysis	Actual Condition ^{3/}	Standard ^{1/}	Evaluation
11.	Sulfur dioxide	ppm	US. EPA Method 6C / Electrochemical sensor	1	≤500	Pass
		Kg/rai/day ^{2/}		0.00922	-	-
		Kg/day ^{2/}		0.58390	-	-

Remark : 1. ^{1/} Notification of Ministry of Industry on the Prescription of the Content Values of Air Contaminants Emitted from the Factory B.E. 2549
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3. ^{3/} Analyze results by Stack Consulting Co., Ltd. Registration No.ร-339
4. ขนาดพื้นที่ 63.33 ไร่

[REDACTED]

Analyst



[REDACTED]

Laboratory Supervisor

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ANALYSIS REPORT

Analysis No. : Lab-S 055/2567

Report Date : April 26, 2024

CUSTOMER NAME : บริษัท ไอจี พอร์จ (ไทยแลนด์) จำกัด
ADDRESS : เลขที่ 150/68 หมู่ที่ 9 นิคมอุตสาหกรรมปิ่นทอง 2 ตำบลหนองขาม อำเภอศรีราชา จังหวัดชลบุรี 20110
SAMPLING SOURCE : ปล่องระบายอากาศ เครื่องหุงขึ้นรูป 1600T Line 1 (ต่อ)
SAMPLING DATE : April 4, 2024 SAMPLING TIME : 02:40 PM - 03:20 PM
RECEIVED DATE : April 8, 2024 ANALYTICAL DATE : April 8-25, 2024
SAMPLING METHOD : US. EPA Method SAMPLE CONDITION : Good
FUEL TYPE : - COMBUSTION SYSTEM : Process
SAMPLING BY : [REDACTED] GPS. COORDINATES : 47N 719782 , 1450622

Item	Description	Unit	Method of Analysis	Actual Condition ^{3/}	Standard ^{1/}	Evaluation
12.	Oxide of Nitrogen	ppm	US. EPA Method 7E / Electrochemical sensor	1.2	-	-
		Kg/rai/day ^{2/}		0.00795	-	-
		Kg/day ^{2/}		0.50318	-	-

Remark : 1. ^{1/} Notification of Ministry of Industry on the Prescription of the Content Values of Air Contaminants Emitted from the Factory B.E. 2549
: 2. ^{2/} Criteria of Industrial Estate Authority of Thailand No.79/2549
: 3. ^{3/} 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 055/2567

Report Date : April 26, 2024

CUSTOMER NAME : บริษัท ไอจี พอร์จ (ไทยแลนด์) จำกัด
ADDRESS : เลขที่ 150/68 หมู่ที่ 9 นิคมอุตสาหกรรมปิ่นทอง 2 ตำบลหนองขาม อำเภอศรีราชา จังหวัดชลบุรี 20110
SAMPLING SOURCE : ปล่องระบายอากาศ เครื่องทุบขึ้นรูป 1600T Line 1 (ต่อ)
SAMPLING DATE : April 4, 2024 SAMPLING TIME : 02:40 PM - 03:20 PM
RECEIVED DATE : April 8, 2024 ANALYTICAL DATE : April 8-25, 2024
SAMPLING METHOD : US. EPA Method SAMPLE CONDITION : Good
FUEL TYPE : - COMBUSTION SYSTEM : Process
SAMPLING BY : [REDACTED] GPS. COORDINATES : 47N 719782 , 1450622

Item	Description	Unit	Method of Analysis	Actual Condition ^{3/}	Standard ^{1/}	Evaluation
13.	Carbon monoxide	ppm	US. EPA Method 10/ Electrochemical sensor	4	≤870	Pass
		Kg/rai/day ^{2/}		0.01612	-	-
		Kg/day ^{2/}		1.02108	-	-

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



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ANALYSIS REPORT

Analysis No. : Lab-S 055/2567

Report Date : April 26, 2024

CUSTOMER NAME : บริษัท ไอจี พอร์จ (ไทยแลนด์) จำกัด
ADDRESS : เลขที่ 150/68 หมู่ที่ 9 นิคมอุตสาหกรรมปิ่นทอง 2 ตำบลหนองขาม อำเภอสรรี ราชบุรี 20110
SAMPLING SOURCE : ปล่องระบายอากาศ เครื่องหุงชิ้นรูป 1600 Line 2
SAMPLING DATE : April 4, 2024 SAMPLING TIME : 03:40 PM - 04:22 PM
RECEIVED DATE : April 8, 2024 ANALYTICAL DATE : April 8-25, 2024
SAMPLING METHOD : US. EPA Method SAMPLE CONDITION : Good
FUEL TYPE : - COMBUSTION SYSTEM : Process
SAMPLING BY : [REDACTED] GPS. COORDINATES : 47N 719787, 1450631

Item	Description	Unit	Method of Analysis	Actual Condition ^{3/}	Standard ^{1/}	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	37.00	-	-
4.	Pressure Stack	mm.Hg	US. EPA Method 2	758.69	-	-
5.	Air Velocity	m/s	US. EPA Method 2	7.45	-	-
6.	Flow Rate	Nm ³ /hr	US. EPA Method 2	9,080.14	-	-
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	2.40	-	-
10.	Total Suspended Particulate	mg/m ³	US. EPA Method 5/ Isokinetic, Gravimetric	0.725	≤400	Pass
		Kg/rai/day ^{2/}		0.00255	-	-
		Kg/day ^{2/}		0.16118	-	-

Remark : 1. ^{1/} Notification of Ministry of Industry on the Prescription of the Content Values of Air Contaminants Emitted from the Factory B.E. 2549
: 2. ^{2/} Criteria of Industrial Estate Authority of Thailand No.79/2549
: 3. ^{3/} 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 055/2567

Report Date : April 26, 2024

CUSTOMER NAME : บริษัท ไอจี พอร์จ (ไทยแลนด์) จำกัด
ADDRESS : เลขที่ 150/68 หมู่ที่ 9 นิคมอุตสาหกรรมปิ่นทอง 2 ตำบลหนองขาม อำเภอศรีราชา จังหวัดชลบุรี 20110
SAMPLING SOURCE : ปล่องระบายอากาศ เครื่องทุบชิ้นรูป 1600 Line 2 (ต่อ)
SAMPLING DATE : April 4, 2024 SAMPLING TIME : 03:40 PM - 04:22 PM
RECEIVED DATE : April 8, 2024 ANALYTICAL DATE : April 8-25, 2024
SAMPLING METHOD : US. EPA Method SAMPLE CONDITION : Good
FUEL TYPE : - COMBUSTION SYSTEM : Process
SAMPLING BY : [REDACTED] GPS. COORDINATES : 47N 719787, 1450631

Item	Description	Unit	Method of Analysis	Actual Condition ^{3/}	Standard ^{1/}	Evaluation
11.	Sulfur dioxide	ppm	US. EPA Method 6C /	<1	≤500	Pass
		Kg/rai/day ^{2/}	Electrochemical sensor	<0.00920	-	-
		Kg/day ^{2/}		<0.58256	-	-

Remark : 1. ^{1/}Notification of Ministry of Industry on the Prescription of the Content Values of Air Contaminants Emitted from the Factory B.E. 2549
: 2. ^{2/}Criteria of Industrial Estate Authority of Thailand No.79/2549
: 3. ^{3/}Analyze results by Stack Consulting Co., Ltd. Registration No.7-339
: 4. ขนาดพื้นที่ 63.33 ไร่



Analyst



Laboratory Supervisor

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ANALYSIS REPORT

Analysis No. : Lab-S 055/2567

Report Date : April 26, 2024

CUSTOMER NAME : บริษัท ไอจี พอร์จ (ไทยแลนด์) จำกัด
ADDRESS : เลขที่ 150/68 หมู่ที่ 9 นิคมอุตสาหกรรมปิ่นทอง 2 ตำบลหนองขาม อำเภอศรีราชา จังหวัดชลบุรี 20110
SAMPLING SOURCE : ปล่องระบายอากาศ เครื่องทุบชิ้นรูป 1600 Line 2 (ต่อ)
SAMPLING DATE : April 4, 2024 SAMPLING TIME : 03:40 PM - 04:22 PM
RECEIVED DATE : April 8, 2024 ANALYTICAL DATE : April 8-25, 2024
SAMPLING METHOD : US. EPA Method SAMPLE CONDITION : Good
FUEL TYPE : - COMBUSTION SYSTEM : Process
SAMPLING BY : M [REDACTED] GPS. COORDINATES : 47N 719787, 1450631

Item	Description	Unit	Method of Analysis	Actual Condition ^{3/}	Standard ^{1/}	Evaluation
12.	Oxide of Nitrogen	ppm	US. EPA Method 7E /	0.8	-	-
		Kg/rai/day ^{2/}	Electrochemical sensor	0.00528	-	-
		Kg/day ^{2/}		0.33468	-	-

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



Analyst



Laboratory Supervisor

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ANALYSIS REPORT

Analysis No. : Lab-S 055/2567
Report Date : April 26, 2024

CUSTOMER NAME : บริษัท ไอจี พอร์จ (ไทยแลนด์) จำกัด
ADDRESS : เลขที่ 150/68 หมู่ที่ 9 นิคมอุตสาหกรรมปิ่นทอง 2 ตำบลหนองขาม อำเภอศรีราชา จังหวัดชลบุรี 20110
SAMPLING SOURCE : ปล่องระบายอากาศ เครื่องทุบขึ้นรูป 1600 Line 2 (ต่อ)
SAMPLING DATE : April 4, 2024 SAMPLING TIME : 03:40 PM - 04:22 PM
RECEIVED DATE : April 8, 2024 ANALYTICAL DATE : April 8-25, 2024
SAMPLING METHOD : US. EPA Method SAMPLE CONDITION : Good
FUEL TYPE : - COMBUSTION SYSTEM : Process
SAMPLING BY : [REDACTED] GPS. COORDINATES : 47N 719787, 1450631

Item	Description	Unit	Method of Analysis	Actual Condition ^{3/}	Standard ^{1/}	Evaluation
13.	Carbon monoxide	ppm	US. EPA Method 10/ Electrochemical sensor	1	≤870	Pass
		Kg/rai/day ^{2/}		0.00402	-	-
		Kg/day ^{2/}		0.25468	-	-

Remark : 1. ^{1/}Notification of Ministry of Industry on the Prescription of the Content Values of Air Contaminants Emitted from the Factory B.E. 2549
: 2. ^{2/}Criteria of Industrial Estate Authority of Thailand No.79/2549
: 3. ^{3/}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 055/2567

Report Date : April 26, 2024

CUSTOMER NAME : บริษัท ไอจี พอร์จ (ไทยแลนด์) จำกัด
ADDRESS : เลขที่ 150/68 หมู่ที่ 9 นิคมอุตสาหกรรมปิ่นทอง 2 ตำบลหนองขาม อำเภอสรีราชา จังหวัดชลบุรี 20110
SAMPLING SOURCE : ปล่องระบายอากาศ เครื่องทุบขึ้นรูป 3000T
SAMPLING DATE : April 5, 2024 SAMPLING TIME : 09:50 AM - 10:29 AM
RECEIVED DATE : April 8, 2024 ANALYTICAL DATE : April 8-25, 2024
SAMPLING METHOD : US. EPA Method SAMPLE CONDITION : Good
FUEL TYPE : - COMBUSTION SYSTEM : Process
SAMPLING BY : [REDACTED] GPS. COORDINATES : 47N 719803, 1450659

Item	Description	Unit	Method of Analysis	Actual Condition ^{3/}	Standard ^{1/}	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	38.00	-	-
4.	Pressure Stack	mm.Hg	US. EPA Method 2	758.67	-	-
5.	Air Velocity	m/s	US. EPA Method 2	8.02	-	-
6.	Flow Rate	Nm ³ /hr	US. EPA Method 2	9,743.18	-	-
7.	Oxygen Rate	%	US. EPA Method 3	20.40	-	-
8.	Carbon dioxide Rate	%	US. EPA Method 3	<0.01	-	-
9.	Moisture	%	US. EPA Method 4	2.55	-	-
10.	Total Suspended Particulate	mg/m ³	US. EPA Method 5/ Isokinetic, Gravimetric	0.483	≤400	Pass
		Kg/rai/day ^{2/}		0.00182	-	-
		Kg/day ^{2/}		0.11522	-	-

Remark : 1. ^{1/} Notification of Ministry of Industry on the Prescription of the Content Values of Air Contaminants Emitted from the Factory B.E. 2549
: 2. ^{2/} Criteria of Industrial Estate Authority of Thailand No.79/2549
: 3. ^{3/} 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 055/2567

Report Date : April 26, 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 (ต่อ)
SAMPLING DATE : April 5, 2024 SAMPLING TIME : 09:50 AM - 10:29 AM
RECEIVED DATE : April 8, 2024 ANALYTICAL DATE : April 8-25, 2024
SAMPLING METHOD : US. EPA Method SAMPLE CONDITION : Good
FUEL TYPE : - COMBUSTION SYSTEM : Process
SAMPLING BY : Mr. Jeerawat Promsaengsai GPS. COORDINATES : 47N 719803, 1450659

Item	Description	Unit	Method of Analysis	Actual Condition ^{3/}	Standard ^{1/}	Evaluation
11.	Sulfur dioxide	ppm	US. EPA Method 6C / Electrochemical sensor	1	≤500	Pass
		Kg/rai/day ^{2/}		0.00987	-	-
		Kg/day ^{2/}		0.62509	-	-

Remark : 1. ^{1/} Notification of Ministry of Industry on the Prescription of the Content Values of Air Contaminants Emitted from the Factory B.E. 2549
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ANALYSIS REPORT

Analysis No. : Lab-S 055/2567

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ADDRESS : เลขที่ 150/68 หมู่ที่ 9 นิคมอุตสาหกรรมปิ่นทอง 2 ตำบลหนองขาม อำเภอศรีราชา จังหวัดชลบุรี 20110
SAMPLING SOURCE : ปล่องระบายอากาศ เครื่องหุงข้าวรูป 3000T (ต่อ)
SAMPLING DATE : April 5, 2024 SAMPLING TIME : 09:50 AM - 10:29 AM
RECEIVED DATE : April 8, 2024 ANALYTICAL DATE : April 8-25, 2024
SAMPLING METHOD : US. EPA Method SAMPLE CONDITION : Good
FUEL TYPE : COMBUSTION SYSTEM : Process
SAMPLING BY : GPS. COORDINATES : 47N 719803, 1450659

Item	Description	Unit	Method of Analysis	Actual Condition ^{3/}	Standard ^{1/}	Evaluation
12.	Oxide of Nitrogen	ppm	US. EPA Method 7E / Electrochemical sensor	3.6	-	-
		Kg/rai/day ^{2/}		0.02552	-	-
		Kg/day ^{2/}		1.61601	-	-

Remark : 1. ^{1/} Notification of Ministry of Industry on the Prescription of the Content Values of Air Contaminants Emitted from the Factory B.E. 2549
2. ^{2/} Criteria of Industrial Estate Authority of Thailand No.79/2549
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ADDRESS : เลขที่ 150/68 หมู่ที่ 9 นิคมอุตสาหกรรมปิ่นทอง 2 ตำบลหนองขาม อำเภอศรีราชา จังหวัดชลบุรี 20110
SAMPLING SOURCE : ปล่องระบายอากาศ เครื่องทุบขึ้นรูป 3000T (ต่อ)
SAMPLING DATE : April 5, 2024 SAMPLING TIME : 09:50 AM - 10:29 AM
RECEIVED DATE : April 8, 2024 ANALYTICAL DATE : April 8-25, 2024
SAMPLING METHOD : US. EPA Method SAMPLE CONDITION : Good
FUEL TYPE : - COMBUSTION SYSTEM : Process
SAMPLING BY : [REDACTED] GPS. COORDINATES : 47N 719803, 1450659

Item	Description	Unit	Method of Analysis	Actual Condition ^{3/}	Standard ^{1/}	Evaluation
13.	Carbon monoxide	ppm	US. EPA Method 10/ Electrochemical sensor	6	≤870	Pass
		Kg/rai/day ^{2/}		0.02589	-	-
		Kg/day ^{2/}		1.63966	-	-

Remark : 1. ^{1/} Notification of Ministry of Industry on the Prescription of the Content Values of Air Contaminants Emitted from the Factory B.E. 2549
2. ^{2/} Criteria of Industrial Estate Authority of Thailand No.79/2549
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CUSTOMER NAME : บริษัท ไอจี พอร์จ (ไทยแลนด์) จำกัด
ADDRESS : เลขที่ 150/68 หมู่ที่ 9 นิคมอุตสาหกรรมปิ่นทอง 2 ตำบลหนองขาม อำเภอศรีราชา จังหวัดชลบุรี 20110
SAMPLING SOURCE : ปล่องระบายอากาศ เครื่องทุบชิ้นรูป 4500T
SAMPLING DATE : April 4, 2024 SAMPLING TIME : 10:10 AM - 10:52 AM
RECEIVED DATE : April 8, 2024 ANALYTICAL DATE : April 8-25, 2024
SAMPLING METHOD : US. EPA Method SAMPLE CONDITION : Good
FUEL TYPE : - COMBUSTION SYSTEM : Process
SAMPLING BY : [REDACTED] GPS. COORDINATES : 47N 719673 , 1450619

Item	Description	Unit	Method of Analysis	Actual Condition ^{3/}	Standard ^{1/}	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	39.00	-	-
4.	Pressure Stack	mm.Hg	US. EPA Method 2	758.10	-	-
5.	Air Velocity	m/s	US. EPA Method 2	8.91	-	-
6.	Flow Rate	Nm ³ /hr	US. EPA Method 2	23,509.89	-	-
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	2.46	-	-
10.	Total Suspended Particulate	mg/m ³	US. EPA Method 5/ Isokinetic, Gravimetric	2.893	≤400	Pass
		Kg/rai/day ^{2/}		0.02632	-	-
		Kg/day ^{2/}		1.66672	-	-

Remark : 1. ^{1/} Notification of Ministry of Industry on the Prescription of the Content Values of Air Contaminants Emitted from the Factory B.E. 2549
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SAMPLING SOURCE : ปล่องระบายอากาศ เครื่องหุงชิ้นรูป 4500T (ต่อ)
SAMPLING DATE : April 4, 2024 SAMPLING TIME : 10:10 AM - 10:52 AM
RECEIVED DATE : April 8, 2024 ANALYTICAL DATE : April 8-25, 2024
SAMPLING METHOD : US. EPA Method SAMPLE CONDITION : Good
FUEL TYPE : COMBUSTION SYSTEM : Process
SAMPLING BY : GPS. COORDINATES : 47N 719673 , 1450619

Item	Description	Unit	Method of Analysis	Actual Condition ^{3/}	Standard ^{1/}	Evaluation
11.	Sulfur dioxide	ppm	US. EPA Method 6C / Electrochemical sensor	1	≤500	Pass
		Kg/rai/day ^{2/}		0.02383	-	-
		Kg/day ^{2/}		1.50944	-	-

Remark : 1. ^{1/} Notification of Ministry of Industry on the Prescription of the Content Values of Air Contaminants Emitted from the Factory B.E. 2549
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: 3. ^{3/} Analyze results by Stack Consulting Co., Ltd. Registration No.7-339
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SAMPLING SOURCE : ปล่องระบายอากาศ เครื่องหุงชิ้นรูป 4500T (ต่อ)
SAMPLING DATE : April 4, 2024 SAMPLING TIME : 10:10 AM - 10:52 AM
RECEIVED DATE : April 8, 2024 ANALYTICAL DATE : April 8-25, 2024
SAMPLING METHOD : US. EPA Method SAMPLE CONDITION : Good
FUEL TYPE : - COMBUSTION SYSTEM : Process
SAMPLING BY : [REDACTED] GPS. COORDINATES : 47N 719673 , 1450619

Item	Description	Unit	Method of Analysis	Actual Condition ^{3/}	Standard ^{1/}	Evaluation
12.	Oxide of Nitrogen	ppm	US. EPA Method 7E /	0.4	-	-
		Kg/rai/day ^{2/}	Electrochemical sensor	0.00417	-	-
		Kg/day ^{2/}		0.26386	-	-

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



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ANALYSIS REPORT

Analysis No. : Lab-S 055/2567

Report Date : April 26, 2024

CUSTOMER NAME : บริษัท ไอจี พอร์จ (ไทยแลนด์) จำกัด
ADDRESS : เลขที่ 150/68 หมู่ที่ 9 นิคมอุตสาหกรรมปิ่นทอง 2 ตำบลหนองขาม อำเภอศรีราชา จังหวัดชลบุรี 20110
SAMPLING SOURCE : ปล่องระบายอากาศ เครื่องทุบขึ้นรูป 4500T (ต่อ)
SAMPLING DATE : April 4, 2024 SAMPLING TIME : 10:10 AM - 10:52 AM
RECEIVED DATE : April 8, 2024 ANALYTICAL DATE : April 8-25, 2024
SAMPLING METHOD : US. EPA Method SAMPLE CONDITION : Good
FUEL TYPE : - COMBUSTION SYSTEM : Process
SAMPLING BY : [REDACTED] GPS. COORDINATES : 47N 719673 , 1450619

Item	Description	Unit	Method of Analysis	Actual Condition ^{3/}	Standard ^{1/}	Evaluation
13.	Carbon monoxide	ppm	US. EPA Method 10/ Electrochemical sensor	2	≤870	Pass
		Kg/rai/day ^{2/}		0.02084	-	-
		Kg/day ^{2/}		1.31989	-	-

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

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Analyst



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ANALYSIS REPORT

Analysis No. : Lab-S 055/2567

Report Date : April 26, 2024

CUSTOMER NAME : บริษัท โอจิ ฟอรัจ (ไทยแลนด์) จำกัด
ADDRESS : เลขที่ 150/68 หมู่ที่ 9 นิคมอุตสาหกรรมปิ่นทอง 2 ตำบลหนองขาม อำเภอสรีราชา จังหวัดชลบุรี 20110
SAMPLING SOURCE : ปล่องระบายอากาศ เครื่องขัดผิว 4500T (Shot Blast)
SAMPLING DATE : April 5, 2024 SAMPLING TIME : 11:10 AM - 11:48 AM
RECEIVED DATE : April 8, 2024 ANALYTICAL DATE : April 8-25, 2024
SAMPLING METHOD : US. EPA Method SAMPLE CONDITION : Good
FUEL TYPE : - COMBUSTION SYSTEM : Process
SAMPLING BY : [REDACTED] GPS. COORDINATES : 47N 719635 , 1450581

Item	Description	Unit	Method of Analysis	Actual Condition ^{3/}	Standard ^{1/}	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	38.00	-	-
4.	Pressure Stack	mm.Hg	US. EPA Method 2	739.63	-	-
5.	Air Velocity	m/s	US. EPA Method 2	8.29	-	-
6.	Flow Rate	Nm ³ /hr	US. EPA Method 2	2,614.28	-	-
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	2.09	-	-
10.	Total Suspended Particulate	mg/m ³	US. EPA Method 5/ Isokinetic, Gravimetric	0.845	≤400	Pass
		Kg/rai/day ^{2/}		0.00086	-	-
		Kg/day ^{2/}		0.05431	-	-

Remark : 1. ^{1/} Notification of Ministry of Industry on the Prescription of the Content Values of Air Contaminants Emitted from the Factory B.E. 2549
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: 3. ^{3/} Analyze results by Stack Consulting Co., Ltd. Registration No.3-339
: 4. ขนาดพื้นที่ 63.33 ไร่



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ANALYSIS REPORT

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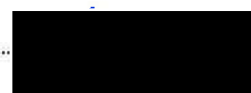
CUSTOMER NAME : บริษัท ไอจี พอร์จ (ไทยแลนด์) จำกัด
ADDRESS : เลขที่ 150/68 หมู่ที่ 9 นิคมอุตสาหกรรมปิ่นทอง 2 ตำบลหนองขาม อำเภอศรีราชา จังหวัดชลบุรี 20110
SAMPLING SOURCE : ปล่องระบายอากาศ เครื่องขัดผิว 4500T (Shot Blast) (ต่อ)
SAMPLING DATE : April 5, 2024 SAMPLING TIME : 11:10 AM - 11:48 AM
RECEIVED DATE : April 8, 2024 ANALYTICAL DATE : April 8-25, 2024
SAMPLING METHOD : US. EPA Method SAMPLE CONDITION : Good
FUEL TYPE : - COMBUSTION SYSTEM : Process
SAMPLING BY : [REDACTED] GPS. COORDINATES : 47N 719635 , 1450581

Item	Description	Unit	Method of Analysis	Actual Condition ^{3/}	Standard ^{1/}	Evaluation
11.	Sulfur dioxide	ppm	US. EPA Method 6C / Electrochemical sensor	<1	≤500	Pass
		Kg/rai/day ^{2/}		<0.00266	-	-
		Kg/day ^{2/}		<0.16839	-	-

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



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ANALYSIS REPORT

Analysis No. : Lab-S 055/2567

Report Date : April 26, 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) (ต่อ)
SAMPLING DATE : April 5, 2024 SAMPLING TIME : 11:10 AM - 11:48 AM
RECEIVED DATE : April 8, 2024 ANALYTICAL DATE : April 8-25, 2024
SAMPLING METHOD : US. EPA Method SAMPLE CONDITION : Good
FUEL TYPE : - COMBUSTION SYSTEM : Process
SAMPLING BY : [REDACTED] GPS. COORDINATES : 47N 719635 , 1450581

Item	Description	Unit	Method of Analysis	Actual Condition ^{3/}	Standard ^{1/}	Evaluation
12.	Carbon monoxide	ppm	US. EPA Method 10/ Electrochemical sensor	4	≤870	Pass
		Kg/rai/day ^{2/}		0.00465	-	-
		Kg/day ^{2/}		0.29449	-	-

Remark : 1. ^{1/} Notification of Ministry of Industry on the Prescription of the Content Values of Air Contaminants Emitted from the Factory B.E. 2549
2. ^{2/} Criteria of Industrial Estate Authority of Thailand No.79/2549
3. ^{3/} Analyze results by Stack Consulting Co., Ltd. Registration No.7-339
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SAMPLING SOURCE : ปล่องระบายอากาศ เครื่องขัดผิว Hanger (Shot Blast)
SAMPLING DATE : April 4, 2024 SAMPLING TIME : 01:30 PM - 02:12 PM
RECEIVED DATE : April 8, 2024 ANALYTICAL DATE : April 8-25, 2024
SAMPLING METHOD : US. EPA Method SAMPLE CONDITION : Good
FUEL TYPE : - COMBUSTION SYSTEM : Process
SAMPLING BY : [REDACTED] GPS. COORDINATES : 47N 719726, 1450734

Item	Description	Unit	Method of Analysis	Actual Condition ^{3/}	Standard ^{1/}	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	39.00	-	-
4.	Pressure Stack	mm.Hg	US. EPA Method 2	757.55	-	-
5.	Air Velocity	m/s	US. EPA Method 2	24.58	-	-
6.	Flow Rate	Nm ³ /hr	US. EPA Method 2	10,370.91	-	-
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	2.03	-	-
10.	Total Suspended Particulate	mg/m ³	US. EPA Method 5/ Isokinetic, Gravimetric	0.611	≤400	Pass
		Kg/rai/day ^{2/}		0.00245	-	-
		Kg/day ^{2/}		0.15526	-	-

Remark : 1. ^{1/} Notification of Ministry of Industry on the Prescription of the Content Values of Air Contaminants Emitted from the Factory B.E. 2549
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: 3. ^{3/} Analyze results by Stack Consulting Co., Ltd. Registration No.2-339
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[REDACTED]
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[REDACTED]
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SAMPLING SOURCE : ปล่องระบายอากาศ เครื่องขัดผิว Hanger (Shot Blast) (ต่อ)
SAMPLING DATE : April 4, 2024 SAMPLING TIME : 01:30 PM - 02:12 PM
RECEIVED DATE : April 8, 2024 ANALYTICAL DATE : April 8-25, 2024
SAMPLING METHOD : US. EPA Method SAMPLE CONDITION : Good
FUEL TYPE : - COMBUSTION SYSTEM : Process
SAMPLING BY : ██████████ GPS. COORDINATES : 47N 719726, 1450734

Item	Description	Unit	Method of Analysis	Actual Condition ^{3/}	Standard ^{1/}	Evaluation
11.	Sulfur dioxide	ppm	US. EPA Method 6C / Electrochemical sensor	<1	≤500	Pass
		Kg/rai/day ^{2/}		<0.01051	-	-
		Kg/day ^{2/}		<0.66577	-	-

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



Analyst



Laboratory Supervisor

Do not copy or modify.



ANALYSIS REPORT

Analysis No. : Lab-S 055/2567

Report Date : April 26, 2024

CUSTOMER NAME : บริษัท ไอจี พอร์จ (ไทยแลนด์) จำกัด
ADDRESS : เลขที่ 150/68 หมู่ที่ 9 นิคมอุตสาหกรรมปิ่นทอง 2 ตำบลหนองขาม อำเภอศรีราชา จังหวัดชลบุรี 20110
SAMPLING SOURCE : ปล่องระบายอากาศ เครื่องขัดผิว Hanger (Shot Blast) (ต่อ)
SAMPLING DATE : April 4, 2024 SAMPLING TIME : 01:30 PM - 02:12 PM
RECEIVED DATE : April 8, 2024 ANALYTICAL DATE : April 8-25, 2024
SAMPLING METHOD : US. EPA Method SAMPLE CONDITION : Good
FUEL TYPE : - COMBUSTION SYSTEM : Process
SAMPLING BY : [REDACTED] GPS. COORDINATES : 47N 719726, 1450734

Item	Description	Unit	Method of Analysis	Actual Condition ^{3/}	Standard ^{1/}	Evaluation
12.	Oxide of Nitrogen	ppm	US. EPA Method 7E / Electrochemical sensor	0.8	-	-
		Kg/rai/day ^{2/}		0.00368	-	-
		Kg/day ^{2/}		0.23277	-	-

Remark : 1. ^{1/} Notification of Ministry of Industry on the Prescription of the Content Values of Air Contaminants Emitted from the Factory B.E. 2549
: 2. ^{2/} Criteria of Industrial Estate Authority of Thailand No.79/2549
: 3. ^{3/} Analyze results by Stack Consulting Co., Ltd. Registration No.7-339
: 4. ขนาดพื้นที่ 63.33 ไร่



Analyst



Laboratory Supervisor

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ANALYSIS REPORT

Analysis No. : Lab-S 055/2567

Report Date : April 26, 2024

CUSTOMER NAME : บริษัท โอจี พอร์จ (ไทยแลนด์) จำกัด
ADDRESS : เลขที่ 150/68 หมู่ที่ 9 นิคมอุตสาหกรรมปิ่นทอง 2 ตำบลหนองขาม อำเภอศรีราชา จังหวัดชลบุรี 20110
SAMPLING SOURCE : ปล่องระบายอากาศ เครื่องขัดผิว Hanger (Shot Blast) (ต่อ)
SAMPLING DATE : April 4, 2024 SAMPLING TIME : 01:30 PM - 02:12 PM
RECEIVED DATE : April 8, 2024 ANALYTICAL DATE : April 8-25, 2024
SAMPLING METHOD : US. EPA Method SAMPLE CONDITION : Good
FUEL TYPE : - COMBUSTION SYSTEM : Process
SAMPLING BY : [REDACTED] GPS. COORDINATES : 47N 719726, 1450734

Item	Description	Unit	Method of Analysis	Actual Condition ^{3/}	Standard ^{1/}	Evaluation
13.	Carbon monoxide	ppm	US. EPA Method 10/	1	≤870	Pass
		Kg/rai/day ^{2/}	Electrochemical sensor	0.00459	-	-
		Kg/day ^{2/}		0.29096	-	-

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



Analyst



Laboratory Supervisor

Do not copy or modify.

ตารางแนบท้ายประกาศการนิคมอุตสาหกรรมแห่งประเทศไทย ที่ 79/2549
เรื่อง การกำหนดอัตราการปล่อยมลสารทางอากาศจากปล่องของโรงงานในนิคมอุตสาหกรรม
แบบรายงานผลการตรวจวัดมลสารทางอากาศจากปล่องของโรงงาน

ชื่อโรงงาน.....บริษัท ไอจี พอร์จ (ไทยแลนด์) จำกัด.....ขนาดพื้นที่แปลงที่ดินที่ได้รับอนุญาต.....63.33 ไร่.....
 นิคมอุตสาหกรรม.....ปิ่นทอง 2.....แปลงที่.....เบอร์โทรศัพท์.....

แหล่งกำเนิดมลสารทางอากาศ		มลสารทางอากาศที่ปล่อยออก						ปล่องระบายมลสารทางอากาศ (3)				เครื่องบำบัดมลสารอากาศ			Std. (กก./วัน/ไร่)
ชนิดของแหล่งกำเนิด (1)	จำนวน	ชนิด (2)	ความเข้มข้น ของมลสาร ทางอากาศ (mg/m ³)	อัตราการ ไหล (m ³ /Sec)	อุณหภูมิ °C	ปริมาณ/วัน (กก./วัน)	ปริมาณ/ วัน/ไร่ (กก./วัน/ไร่)	ขนาดเส้นผ่า ศูนย์กลาง (m) (ปากปล่อง)	ความสูง (m)	จำนวน	กำลังแรงม้า ของ เครื่องดูด (ถ้ามี)	ชนิด (4)	จำนวน	ประสิทธิภาพใน การบำบัด (%)	
1. ปล่องระบายอากาศ เครื่องทุบชิ้นรูป 1600T Line 1	1	Total Suspended Particulate	0.629	2.52	40.0	0.14016	0.00221	0.60x0.60	8.00	-	-	-	-	-	-
		Sulfur dioxide	2.620	2.52	40.0	0.58390	0.00922	0.60x0.60	8.00	-	-	-	-	-	-
		Oxide of Nitrogen	2.258	2.52	40.0	0.50318	0.00795	0.60x0.60	8.00	-	-	-	-	-	-
		Carbon monoxide	4.582	2.52	40.0	1.02108	0.01612	0.60x0.60	8.00	-	-	-	-	-	-
2. ปล่องระบายอากาศ เครื่องทุบชิ้นรูป 1600T Line 2	1	Total Suspended Particulate	0.725	2.52	37.0	0.16118	0.00255	0.60x0.60	8.00	-	-	-	-	-	-
		Sulfur dioxide	<2.620	2.52	37.0	<0.58256	<0.00920	0.60x0.60	8.00	-	-	-	-	-	-
		Oxide of Nitrogen	1.505	2.52	37.0	0.33468	0.00528	0.60x0.60	8.00	-	-	-	-	-	-
		Carbon monoxide	1.146	2.52	37.0	0.25468	0.00402	0.60x0.60	8.00	-	-	-	-	-	-

หมายเหตุ (1) ได้แก่เครื่องจักรหรืออุปกรณ์ที่ใช้ในการผลิตแต่ละขั้นตอนที่ก่อให้เกิดมลสารทางอากาศ เช่น หม้อไอน้ำ, หม้อบด, หม้ออบ, เตาหลอม, เตาอบ

(2) ชนิดของมลสารอากาศที่เกิดขึ้น เช่น ก๊าซ SO₂, NO₂, CO, Benzene, Styrene, Xylene, Toluene

(3) หมายถึง ปล่องที่ต่อมาจากแหล่งกำเนิดมลสารทางอากาศเพื่อนำมลสารทางอากาศออกนอกโรงงาน

(4) หมายถึง ชนิดของเครื่องควบคุม เช่น Cyclone, Bag filter, Absorption Tower ฯลฯ

ลงชื่อ ผู้ให้ข้อมูล

ตำแหน่งผู้จัดการโรงงาน

วัน-เดือน-ปีที่รายงาน

ตารางแนบท้ายประกาศการนิคมอุตสาหกรรมแห่งประเทศไทย ที่ 79/2549
เรื่อง การกำหนดอัตราการปล่อยมลสารทางอากาศจากปล่องของโรงงานในนิคมอุตสาหกรรม
แบบรายงานผลการตรวจวัดมลสารทางอากาศจากปล่องของโรงงาน

ชื่อโรงงาน.....บริษัท โอจิ ฟอรัจ (ไทยแลนด์) จำกัด.....ขนาดพื้นที่แปลงที่ดินที่ได้รับอนุญาต.....63.33 ไร่.....
 นิคมอุตสาหกรรม.....ปิ่นทอง 2.....แปลงที่.....เบอร์โทรศัพท์.....

แหล่งกำเนิดมลสารทางอากาศ		มลสารทางอากาศที่ปล่อยออก						ปล่องระบายมลสารทางอากาศ (3)				เครื่องบำบัดมลสารทางอากาศ			Std.
ชนิดของแหล่งกำเนิด (1)	จำนวน	ชนิด (2)	ความเข้มข้น ของมลสาร ทางอากาศ (mg/m ³)	อัตราการ ไหล (m ³ /Sec)	อุณหภูมิ °C	ปริมาณ/วัน (กก./วัน)	ปริมาณ/ วัน/ไร่ (กก./วัน/ไร่)	ขนาดเส้นผ่า ศูนย์กลาง (m) (ปากปล่อง)	ความสูง (m)	จำนวน	กำลังแรงม้า ของ เครื่องดูด (ถ้ามี)	ชนิด (4)	จำนวน	ประสิทธิภาพใน การบำบัด (%)	(กก./วัน/ไร่)
3. ปล่องระบายอากาศ เครื่องทุบชิ้นรูป 3000T	1	Total Suspended Particulate	0.483	2.70	38.0	0.11522	0.00182	0.60x0.60	8.00	-	-	-	-	-	-
		Sulfur dioxide	2.620	2.70	38.0	0.62509	0.00987	0.60x0.60	8.00	-	-	-	-	-	-
		Oxide of Nitrogen	6.774	2.70	38.0	1.61601	0.02552	0.60x0.60	8.00	-	-	-	-	-	-
		Carbon monoxide	6.874	2.70	38.0	1.63966	0.02589	0.60x0.60	8.00	-	-	-	-	-	-
4. ปล่องระบายอากาศ เครื่องทุบชิ้นรูป 4500T	1	Total Suspended Particulate	2.893	6.53	39.0	1.66672	0.02632	1.00	10.00	-	-	-	-	-	-
		Sulfur dioxide	2.620	6.53	39.0	1.50944	0.02383	1.00	10.00	-	-	-	-	-	-
		Oxide of Nitrogen	0.458	6.53	39.0	0.26386	0.00417	1.00	10.00	-	-	-	-	-	-
		Carbon monoxide	2.291	6.53	39.0	1.31989	0.02084	1.00	10.00	-	-	-	-	-	-

หมายเหตุ (1) ได้แก่เครื่องจักรหรืออุปกรณ์ที่ใช้ในการผลิตแต่ละขั้นตอนที่ก่อให้เกิดมลสารทางอากาศ เช่น หม้อไอน้ำ, หม้อบด, หม้ออบ, เตาหลอม, เตาอบ

(2) ชนิดของมลสารอากาศที่เกิดขึ้น เช่น ก๊าซ SO₂, NO₂, CO, Benzene, Styrene, Xylene, Toluene

(3) หมายถึง ปล่องที่ต่อมาจากแหล่งกำเนิดมลสารทางอากาศเพื่อนำมลสารทางอากาศออกนอกโรงงาน

(4) หมายถึง ชนิดของเครื่องควบคุม เช่น Cyclone, Bag filter, Absorption Tower ฯลฯ

ลงชื่อ ผู้ให้ข้อมูล

ตำแหน่งผู้จัดการโรงงาน

วัน-เดือน-ปีที่รายงาน

ตารางแนบท้ายประกาศการนิคมอุตสาหกรรมแห่งประเทศไทย ที่ 79/2549
เรื่อง การกำหนดอัตราการปล่อยมลสารทางอากาศจากปล่องของโรงงานในนิคมอุตสาหกรรม
แบบรายงานผลการตรวจวัดมลสารทางอากาศจากปล่องของโรงงาน

ชื่อโรงงาน.....บริษัท โอจี พอร์จ (ไทยแลนด์) จำกัด.....ขนาดพื้นที่แปลงที่ดินที่ได้รับอนุญาต.....63.33 ไร่.....
 นิคมอุตสาหกรรม.....ปิ่นทอง 2.....แปลงที่.....เบอร์โทรศัพท์.....

แหล่งกำเนิดมลสารทางอากาศ		มลสารทางอากาศที่ปล่อยออก						ปล่องระบายมลสารทางอากาศ (3)				เครื่องบำบัดมลสารอากาศ			Std. (กก./วัน/ไร่)
ชนิดของแหล่งกำเนิด (1)	จำนวน	ชนิด (2)	ความเข้มข้น ของมลสาร ทางอากาศ (mg/m ³)	อัตราการ ไหล (m ³ /Sec)	อุณหภูมิ °C	ปริมาณ/วัน (กก./วัน)	ปริมาณ/ วัน/ไร่ (กก./วัน/ไร่)	ขนาดเส้นผ่า ศูนย์กลาง (m) (ปากปล่อง)	ความสูง (m)	จำนวน	กำลังแรงม้า ของ เครื่องดูด (ถ้ามี)	ชนิด (4)	จำนวน	ประสิทธิภาพใน การบำบัด (%)	
5. ปล่องระบายอากาศ เครื่องขัดผิว 4500T (Shot Blast)	1	Total Suspended Particulate	0.845	0.72	38.0	0.05431	0.00086	0.35	6.00	-	-	-	-	-	-
		Sulfur dioxide	<2.620	0.72	38.0	<0.16839	<0.00266	0.35	6.00	-	-	-	-	-	-
		Carbon monoxide	4.582	0.72	38.0	0.29449	0.00465	0.35	6.00	-	-	-	-	-	-
6. ปล่องระบายอากาศ เครื่องขัดผิว Hanger (Shot Blast)	1	Total Suspended Particulate	0.611	2.88	39.0	0.15526	0.00245	0.38	10.00	-	-	-	-	-	-
		Sulfur dioxide	<2.620	2.88	39.0	<0.66577	<0.01051	0.38	10.00	-	-	-	-	-	-
		Oxide of Nitrogen	0.916	2.88	39.0	0.23277	0.00368	0.38	10.00	-	-	-	-	-	-
		Carbon monoxide	1.145	2.88	39.0	0.29096	0.00459	0.38	10.00	-	-	-	-	-	-

หมายเหตุ (1) (1) ได้แก่เครื่องจักรหรืออุปกรณ์ที่ใช้ในการผลิตแต่ละขั้นตอนที่ก่อให้เกิดมลสารทางอากาศ เช่น หม้อไอน้ำ, หม้อบด, หม้ออบ, เตาหลอม, เตาอบ
 (2) ชนิดของมลสารอากาศที่เกิดขึ้น เช่น ก๊าซ SO₂, NO₂, CO, Benzene, Styrene, Xylene, Toluene
 (3) หมายถึง ปล่องที่ต่อมาจากแหล่งกำเนิดมลสารทางอากาศเพื่อนำมลสารทางอากาศออกนอกโรงงาน
 (4) หมายถึง ชนิดของเครื่องควบคุม เช่น Cyclone, Bag filter, Absorption Tower ฯลฯ

ลงชื่อ ผู้ให้ข้อมูล

ตำแหน่งผู้จัดการโรงงาน

วัน-เดือน-ปีที่รายงาน

ภาคผนวก ค-3

ใบรายงานผลการตรวจวัดคุณภาพสิ่งแวดล้อม
ในสถานที่ทำงาน

ANALYSIS REPORT

Analysis No. : Lab-A 087/2567

Job No. : PCL 0312/67

Report Date : April 25, 2024

Customer Name : บริษัท ไอจี ฟอจ (ไทยแลนด์) จำกัด

Address : เลขที่ 150/68 หมู่ที่ 9 นิคมอุตสาหกรรมปิ่นทอง 2 ตำบลหนองขาม อำเภอศรีราชา จังหวัดชลบุรี 20110

Sampling Date : April 1-5, 2024

Received Date : April 8, 2024

Sampling By : Pacific Laboratory Co., Ltd.

Analytical Date : April 9, 2024

Sampling Method : NIOSH, HSE84

Sampling Time : 09:30 a.m. - 07:30 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/
1.	Forging : เครื่องทุบขึ้นรูป 1600T Line 1 (Main press) - [REDACTED] อายุ 34 ปี อายุงาน 5 ปี	Total dust	mg/m ³	NIOSH0500	GR	0.283	-	≤10	-	pass
		Respirable dust	mg/m ³	NIOSH0600	GR	0.133	-	≤3	-	pass
2.	Forging : เครื่องทุบขึ้นรูป 1600T Line 2 (Main press) - [REDACTED] อายุ 41 ปี อายุงาน 12 ปี	Total dust	mg/m ³	NIOSH0500	GR	0.750	-	≤10	-	pass
		Respirable dust	mg/m ³	NIOSH0600	GR	0.467	-	≤3	-	pass
3.	Forging : เครื่องทุบขึ้นรูป 3000T (Main press) - [REDACTED] อายุ 41 ปี อายุงาน 5 ปี	Total dust	mg/m ³	NIOSH0500	GR	0.156	-	≤10	-	pass
		Respirable dust	mg/m ³	NIOSH0600	GR	0.067	-	≤3	-	pass
4.	4500T : เครื่องทุบขึ้นรูป 4500T (Main press) - [REDACTED] อายุ 24 ปี อายุงาน 3 ปี	Total dust	mg/m ³	NIOSH0500	GR	0.450	-	≤10	-	pass
		Respirable dust	mg/m ³	NIOSH0600	GR	0.200	-	≤3	-	pass
5.	Forging : Screw press No. 1 (Main press) - [REDACTED] อายุ 29 ปี อายุงาน 1 ปี	Total dust	mg/m ³	NIOSH0500	GR	0.311	-	≤10	-	pass
		Respirable dust	mg/m ³	NIOSH0600	GR	0.156	-	≤3	-	pass

Remark : 1. ^{1/} Notification of Department of labour protection and welfare on the limits the concentration of hazardous chemical substances
(Dated 28 June B.E. 2560)

2. ^{2/} ACGIH = American Conference of Governmental Industrial Hygienist, 2024


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

ANALYSIS REPORT

Analysis No. : Lab-A 087/2567

Job No. : PCL 0312/67

Report Date : April 25, 2024

Customer Name : บริษัท โอจี ฟอจ (ไทยแลนด์) จำกัด

Address : เลขที่ 150/68 หมู่ที่ 9 นิคมอุตสาหกรรมปิ่นทอง 2 ตำบลหนองขาม อำเภอศรีราชา จังหวัดชลบุรี 20110

Sampling Date : April 1-5, 2024

Received Date : April 8, 2024

Sampling By : Pacific Laboratory Co., Ltd.

Analytical Date : April 9, 2024

Sampling Method : NIOSH, HSE84

Sampling Time : 09:30 a.m. - 07:30 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/
6.	Forging : Screw press No. 2 (Main press) [REDACTED] อายุ 26 ปี อายุงาน 2 ปี	Total dust	mg/m ³	NIOSH0500	GR	0.611	-	≤10	-	pass
		Respirable dust	mg/m ³	NIOSH0600	GR	0.267	-	≤3	-	pass
7.	4500T : เครื่องขัดผิว Hanger (Shot blast) [REDACTED] อายุ 39 ปี อายุงาน 10 ปี	Total dust	mg/m ³	NIOSH0500	GR	0.256	-	≤10	-	pass
		Respirable dust	mg/m ³	NIOSH0600	GR	0.067	-	≤3	-	pass
8.	Forging : Cutting line 1	Oil mist	mg/m ³	HSE84	GR	<0.1	-	≤5	-	pass
9.	4500T : Crank cutting	Oil mist	mg/m ³	HSE84	GR	0.667	-	≤5	-	pass
10.	Forging : NC Screw press 1	Oil mist	mg/m ³	HSE84	GR	<0.1	-	≤5	-	pass
11.	Forging : NC Screw press 2	Oil mist	mg/m ³	HSE84	GR	<0.1	-	≤5	-	pass
12.	Forging : NC Screw press 3	Oil mist	mg/m ³	HSE84	GR	<0.1	-	≤5	-	pass
13.	Finishing : CNC Machining line 1	Oil mist	mg/m ³	HSE84	GR	<0.1	-	≤5	-	pass
14.	Finishing : CNC Machining line 2	Oil mist	mg/m ³	HSE84	GR	<0.1	-	≤5	-	pass
15.	Finishing : CNC Machining line 3	Oil mist	mg/m ³	HSE84	GR	<0.1	-	≤5	-	pass
16.	Finishing : CNC Machining line 4	Oil mist	mg/m ³	HSE84	GR	<0.1	-	≤5	-	pass
17.	Finishing : CNC Machining line 5	Oil mist	mg/m ³	HSE84	GR	<0.1	-	≤5	-	pass

Remark : 1. ^{1/} Notification of Department of labour protection and welfare on the limits the concentration of hazardous chemical substances
(Dated 28 June B.E. 2560)

2. ^{2/} ACGIH = American Conference of Governmental Industrial Hygienist, 2024


Sampling License No. 0201-03-2565-0013

Analyst License No. 0202-03-2565-0009



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

NOISE EXPOSURE ANALYSIS REPORT

Analysis No. : Noise 080/2567

Job No. : PCL 0312/67

Report Date : April 19, 2024

Customer Name : บริษัท โอจี 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	2/04/67	ACO/6236	222169	11:42 a.m. - 04:42 p.m.	134.0	pass
2. Forging : Cutting line 2	2/04/67	ACO/6236	222134	11:44 a.m. - 04:44 p.m.	130.9	pass
3. Forging : Cutting line 3	2/04/67	ACO/6236	222046	11:37 a.m. - 04:37 p.m.	132.5	pass
4. 4500T : Crank cutting (หน้าตู้ Control)	1-2/04/67	ACO/6236	222046	08:59 p.m. - 01:59 a.m.	136.1	pass
5. 4500T : Crank cutting	1-2/04/67	ACO/6236	222049	09:00 p.m. - 02:00 a.m.	123.7	pass
6. Forging : NC Screw press line 1	2/04/67	ACO/6236	222046	04:48 p.m. - 08:48 p.m.	122.3	pass
7. Forging : NC Screw press line 2	2/04/67	ACO/6236	222042	04:53 p.m. - 08:53 p.m.	113.9	pass
8. Forging : NC Screw press line 3	2/04/67	ACO/6236	222169	04:55 p.m. - 08:55 p.m.	117.0	pass
Standard ^{1/}					≤140	-

Remark : 1. ^{1/} 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)



License No. 0403-03-2565-0012

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Amphoe Bang Bua Thong, Nonthaburi 11110

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

NOISE EXPOSURE ANALYSIS REPORT

Analysis No. : Noise 080/2567

Job No. : PCL 0312/67

Report Date : April 19, 2024

Customer Name : บริษัท โอจี ฟอรัจ (ไทยแลนด์) จำกัด
Address : เลขที่ 150/68 หมู่ที่ 9 นิคมอุตสาหกรรมปิ่นทอง 2 ตำบลหนองขาม อำเภอสรรีราชา 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	1/04/67	ACO/6236	222134	03:40 p.m. - 07:40 p.m.	105.0	pass
10. Finishing : CNC Machining line 2	1/04/67	ACO/6236	222020	04:08 p.m. - 08:08 p.m.	133.3	pass
11. Finishing : CNC Machining line 3	1/04/67	ACO/6236	222049	03:39 p.m. - 07:39 p.m.	116.2	pass
12. Finishing : CNC Machining line 4	1/04/67	ACO/6236	222134	10:00 a.m. - 03:00 p.m.	106.3	pass
13. Finishing : CNC Machining line 5	1/04/67	ACO/6236	222020	10:28 a.m. - 03:28 p.m.	135.1	pass
Standard ^{1/}					≤140	-

Remark : 1. ^{1/} 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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Amphoe Bang Bua Thong, Nonthaburi 11110

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

NOISE EXPOSURE ANALYSIS REPORT

Analysis No. : ND 033/2567

Job No. : PCL 0312/67

Report Date : April 19, 2024

Customer Name : บริษัท ไอจี ฟอจ (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]	2/04/67	Soundtek/ST-130	220100153	8 hrs.	91.32	84.6	pass
2. Forging : Cutting line 2 [REDACTED]	2/04/67	Soundtek/ST-130	220100161	8 hrs.	100	85.0	pass
3. 4500T : Crank (Cutting) 1 (หน้าตู้ Control) ([REDACTED])	1-2/04/67	Soundtek/ST-130	220100163	8 hrs.	37.41	80.7	pass
4. Forging : เครื่องทุบขึ้นรูป 1600T Line 1 (Main press) ([REDACTED])	4/04/67	Soundtek/ST-130	220100153	8 hrs.	1,879	97.7	fail
5. Forging : เครื่องทุบขึ้นรูป 1600T Line 2 (Main press) ([REDACTED])	3/04/67	Soundtek/ST-130	220100152	8 hrs.	151	86.8	fail
Standard ^{1/} (TWA 8 hrs.)					-	≤85	-

Remark : 1.^{1/} 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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Amphoe Bang Bua Thong, Nonthaburi 11110

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

NOISE EXPOSURE ANALYSIS REPORT

Analysis No. : ND 033/2567

Job No. : PCL 0312/67

Report Date : April 19, 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				
6. Forging : เครื่องทุบขึ้นรูป 3000T (Main press [REDACTED])	4/04/67	Soundtek/ST-130	220100163	8 hrs.	63.09	83.0	pass
7. 4500T : เครื่องทุบขึ้นรูป 4500T (Main press) ([REDACTED])	1-2/04/67	Soundtek/ST-130	220100152	8 hrs.	63.09	83.0	pass
8. 4500T : Hanger (Short blast) [REDACTED]	1-2/04/67	Soundtek/ST-130	220100161	8 hrs.	28.62	79.6	pass
9. 4500T : Crank (Magna) [REDACTED]	1-2/04/67	Soundtek/ST-130	220100165	8 hrs.	37.41	80.7	pass
10. Finishing : Knuckle (Magna) จุดที่ 1 [REDACTED]	3-4/04/67	Soundtek/ST-130	220100150	8 hrs.	47.95	81.8	pass
Standard ^V (TWA 8 hrs.)					-	≤85	-

Remark : 1.^V 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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Amphoe Bang Bua Thong, Nonthaburi 11110

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

NOISE EXPOSURE ANALYSIS REPORT

Analysis No. : ND 033/2567

Job No. : PCL 0312/67

Report Date : April 19, 2024

Customer Name : บริษัท โอจี 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 : Knuckle (Magna) จุดที่ 2 [REDACTED]	1/04/67	Soundtek/ST-130	220100162	8 hrs.	47.18	81.7	pass
Standard ^{1/} (TWA 8 hrs.)					-	≤85	-

Remark : 1.^{1/} 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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Amphoe Bang Bua Thong, Nonthaburi 11110

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

ANALYSIS REPORT

Analysis No. : Heat 093/2567

Job No. : PCL 0312/67

Report Date : April 19, 2024

Customer Name : บริษัท ไอจี พอร์จ (ไทยแลนด์) จำกัด
Address : เลขที่ 150/68 หมู่ที่ 9 นิคมอุตสาหกรรมปิ่นทอง 2 ตำบลหนองขาม อำเภอสรีราชา จังหวัดชลบุรี 20110
Measured Date : April 3-5, 2024
Measured By : Pacific Laboratory Co., Ltd.
Sampling Source : Work Place Air Temperature
Measured Instrument : Heat Stress Monitor Quest Technologies Model QUESTemp 32 Serial Number TPD080015, Heat Stress Monitor TSI Model QUESTemp 32 Serial Number TPW020008
Heat Stress Monitor Quest Technologies Model QUESTemp 34 Serial Number TEI070011, TED060012, Heat Stress Monitor 3M Model WB-300 Serial Number WBR110005

Item	Location/Similar Exposure Group	Interval Time	Temperature (°C)					Type of Work	Work Load			Evaluation
			T _{NWB}	T _{DB}	T _{GT}	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)	01:20 p.m.-03:20 p.m.	28.9	38.8	38.9	31.9	31.9	ควบคุม และนำชิ้นงานเข้าเครื่องจักร (120 นาที)	225	225	Moderate Work Load	pass
Standard ^{1/} (Moderate Work Load) = 32.0 WBGT												
2.	Forging : เครื่องทุบขึ้นรูป 1600T Line 2 (Main Press)	08:26 a.m.-10:26 a.m.	28.4	36.1	36.6	30.9	30.9	ควบคุม และนำชิ้นงานเข้าเครื่องจักร (120 นาที)	225	225	Moderate Work Load	pass
Standard ^{1/} (Moderate Work Load) = 32.0 WBGT												

Remark : 1. T_{NWB} = Nature Wet Bulb Temperature
2. T_{DB} = Dry Bulb Temperature
3. T_{GT} = Globe Temperature
4. WBGT = Wet Bulb Globe Temperature Index
5. ^{1/} 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)



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Amphoe Bang Bua Thong, Nonthaburi 11110

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

ANALYSIS REPORT

Analysis No. : Heat 093/2567

Job No. : PCL 0312/67

Report Date : April 19, 2024

Customer Name : บริษัท ไอจี ฟอรัจ (ไทยแลนด์) จำกัด
 Address : เลขที่ 150/68 หมู่ที่ 9 นิคมอุตสาหกรรมปิ่นทอง 2 ตำบลหนองขาม อำเภอสรีราชา จังหวัดชลบุรี 20110
 Measured Date : April 3-5, 2024
 Measured By : Pacific Laboratory Co., Ltd.
 Sampling Source : Work Place Air Temperature
 Measured Instrument : Heat Stress Monitor Quest Technologies Model QUESTemp 32 Serial Number TPD080015, Heat Stress Monitor TSI Model QUESTemp 32 Serial Number TPW020008
 Heat Stress Monitor Quest Technologies Model QUESTemp 34 Serial Number TEI070011, TED060012, Heat Stress Monitor 3M Model WB-300 Serial Number WBR110005

Item	Location/Similar Exposure Group	Interval Time	Temperature (°C)					Type of Work	Work Load			Evaluation
			T _{NWB}	T _{DB}	T _{GT}	WBGT In/Out	WBGT Average		Energy Used (Kcal/Hr)	Average Energy Used (Kcal/Hr)	Level of Work Load	
3.	Forging : เครื่องทุบขึ้นรูป 3000T (Main press)	01:39 p.m.-03:39 p.m.	28.2	36.2	36.5	30.7	30.7	ควบคุม และนำชิ้นงานเข้าเครื่องจักร (120 นาที)	225	225	Moderate Work Load	pass
Standard ^{1/} (Moderate Work Load) = 32.0 WBGT												
4.	4500T : เครื่องทุบขึ้นรูป 4500T (Main press)	09:10 a.m.-11:10 a.m.	28.4	35.9	37.4	31.1	31.1	ควบคุม และนำชิ้นงานเข้าเครื่องจักร (120 นาที)	225	225	Moderate Work Load	pass
Standard ^{1/} (Moderate Work Load) = 32.0 WBGT												

Remark : 1. T_{NWB} = Nature Wet Bulb Temperature
 2. T_{DB} = Dry Bulb Temperature
 3. T_{GT} = Globe Temperature
 4. WBGT = Wet Bulb Globe Temperature Index

5. ^{1/} 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)

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Amphoe Bang Bua Thong, Nonthaburi 11110

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

ANALYSIS REPORT

Analysis No. : Heat 093/2567

Job No. : PCL 0312/67

Report Date : April 19, 2024

Customer Name : บริษัท โอจี พอร์จ (ไทยแลนด์) จำกัด
Address : เลขที่ 150/68 หมู่ที่ 9 นิคมอุตสาหกรรมบึงทอง 2 ตำบลหนองขาม อำเภอศรีราชา จังหวัดชลบุรี 20110
Measured Date : April 3-5, 2024
Measured By : Pacific Laboratory Co., Ltd.
Sampling Source : Work Place Air Temperature
Measured Instrument : Heat Stress Monitor Quest Technologies Model QUESTemp 32 Serial Number TPD080015, Heat Stress Monitor TSI Model QUESTemp 32 Serial Number TPW020008
Heat Stress Monitor Quest Technologies Model QUESTemp 34 Serial Number TEI070011, TED060012, Heat Stress Monitor 3M Model WB-300 Serial Number WBR110005

Item	Location/Similar Exposure Group	Interval Time	Temperature (°C)					Type of Work	Work Load			Evaluation
			T _{NWB}	T _{DB}	T _{GT}	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)	10:34 a.m.-12:34 a.m.	27.9	36.5	36.7	30.5	30.5	ควบคุม และนำชิ้นงานเข้าเครื่องจักร (120 นาที)	225	225	Moderate Work Load	pass
Standard ^{1/} (Moderate Work Load) = 32.0 WBGT												
6.	Forging : Screw press No. 2 (Main press)	01:29 p.m.-03:29 p.m.	27.9	34.5	35.3	30.1	30.1	ควบคุม และนำชิ้นงานเข้าเครื่องจักร (120 นาที)	225	225	Moderate Work Load	pass
Standard ^{1/} (Moderate Work Load) = 32.0 WBGT												

- Remark : 1. T_{NWB} = Nature Wet Bulb Temperature
2. T_{DB} = Dry Bulb Temperature
3. T_{GT} = Globe Temperature
4. WBGT = Wet Bulb Globe Temperature Index
5. ^{1/} 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 4 : 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)

PACIFIC LABORATORY CO., LTD.
(Mr. [REDACTED])
License No. 0401-03-2565-0012

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ใบรายงานผลการตรวจวัดคุณภาพน้ำทิ้ง

Test Report

Request No : W6701322

Report No : 6701-1633

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 67011030

Sample Name : น้ำขบวนการระบบเคมี**

Sampling Date : 16/01/2024**

Sampling By : ETC**

Sampling Time : 8:45 AM**

Sampling Method : Grab**

Received Date : 17/01/2024

Tested Date : 17/01/2024 - 24/01/2024

Reported Date : 30/01/2024

Parameter	Unit	Method	Result	Standard ¹
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	8.4	≤500
Chemical Oxygen Demand #	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	85	≤750
Color (Original) *	ADMI	ADMI Weighted Ordinate Spectrophotometric Method (SM:2120F)	25	≤600
Color (pH 7.0) *	ADMI	ADMI Weighted Ordinate Spectrophotometric Method (SM:2120F)	23	≤600
Lead @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.03	≤0.2
Oil and Grease @	mg/L	Partition-Gravimetric Method (SM:5520B)	4.4	≤10

Physical Appearance : 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 76 / 2560 (2017)

2. @ = ISO/IEC 17025:2017 Accredited by TISI., # = ISO/IEC 17025:2017 Accredited by DSS,

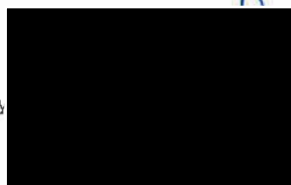
SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017.

3. Miss Apiradee Chuen-arom is Section Head / Miss Nunnaphat Bakhuntod is Technical Management.

4. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Songpon Phiwan (J-003-B-0016)*

5. ** = These data are non laboratory data.

Examined By



30/01/2024



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Approved By



(J-003-B-0005)

30/01/2024

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Test Report

Request No : W6701322

Report No : 6701-1633

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 67011030

Sample Name : น้ำหล่อเย็นระบบเคมี**

Sampling Date : 16/01/2024**

Sampling By : ETC**

Sampling Time : 8:45 AM**

Sampling Method : Grab**

Received Date : 17/01/2024

Tested Date : 17/01/2024 - 24/01/2024

Reported Date : 30/01/2024

Parameter	Unit	Method	Result	Standard ¹
pH (on site) *		Electrometric Method	7.1	5.5 - 9.0
Temperature *	°C	Laboratory and Field Method	29	≤45
Total Dissolved Solids #	mg/L	Dried at 180 degree celsius (SM:2540C)	1,796	≤3000
Total Kjeldahl Nitrogen *	mg/L as NH ₃ -N	Macro Kjeldahl Method (SM:4500 -Norg B)	< 5	≤100
Total Suspended Solids #	mg/L	Dried at 103-105 degree celsius (SM:2540D)	8	≤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 76 / 2560 (2017)

2. @ = ISO/IEC 17025:2017 Accredited by TISI., # = ISO/IEC 17025:2017 Accredited by DSS.

SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017.

3. Miss Apiradee Chuen-arom is Section Head / Miss Nunnaphat Bakhuntod is Technical Management.

4. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Songpon Phiwuan (T-003-R-0016)*

5. ** = These data are non laboratory data.

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30/01/2024



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Test Report

Request No : W6702410

Report No : 6702-1480

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 67021229

Sample Name : น้ำออกจากระบบเคมี**

Sampling Date : 14/02/2024**

Sampling By : ETC**

Sampling Time : 8:55 AM**

Sampling Method : Grab**

Received Date : 15/02/2024

Tested Date : 15/02/2024 - 23/02/2024

Reported Date : 27/02/2024

Parameter	Unit	Method	Result	Standard ¹
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	3.5	≤500
Chemical Oxygen Demand #	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	44	≤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
Oil and Grease @	mg/L	Partition-Gravimetric Method (SM:5520B)	<3.0	≤10

Physical Appearance : 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 76 / 2560 (2017)

2. @ = ISO/IEC 17025:2017 Accredited by TISI., # = ISO/IEC 17025:2017 Accredited by DSS,

SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017.

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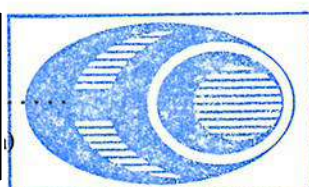
4. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Supharker Phatklang (1-003-ค-0031)*

5. ** = These data are non laboratory data.

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27/02/2024



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Test Report

Request No : W6702410

Report No : 6702-1480

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 67021229

Sample Name : น้ำออกกระบวนการเคมี**

Sampling Date : 14/02/2024**

Sampling By : ETC**

Sampling Time : 8:55 AM**

Sampling Method : Grab**

Received Date : 15/02/2024

Tested Date : 15/02/2024 - 23/02/2024

Reported Date : 27/02/2024

Parameter	Unit	Method	Result	Standard ¹
pH (on site) *		Electrometric Method	7.1	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)	1,800	≤3000
Total Kjeldahl Nitrogen *	mg/L as NH ₃ -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 76 / 2560 (2017)

2. @ = ISO/IEC 17025:2017 Accredited by TISI., # = ISO/IEC 17025:2017 Accredited by DSS,

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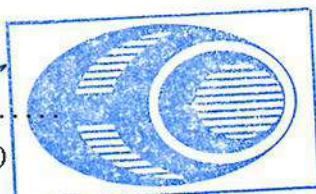
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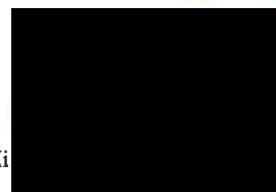
27/02/2024



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Test Report

Request No : W6703379

Report No : 6703-1432

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 67031143

Sample Name : น้ำออกระบบเคมี**

Sampling Date : 13/03/2024**

Sampling By : ETC**

Sampling Time : 8:40 AM**

Sampling Method : Grab**

Received Date : 14/03/2024

Tested Date : 14/03/2024 - 20/03/2024

Reported Date : 25/03/2024

Parameter	Unit	Method	Result	Standard ¹
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	4.8	≤500
Chemical Oxygen Demand #	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	40	≤750
Color(Original) *	ADMI	ADMI Weighted Ordinate Spectrophotometric Method (SM:2120F)	< 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
Oil and Grease @	mg/L	Partition-Gravimetric Method (SM:5520B)	< 3.0	≤10

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. /I Notification of Industrial Estate Authority of Thailand 76 / 2560 (2017)

2. @ = ISO/IEC 17025:2017 Accredited by TISI., # = ISO/IEC 17025:2017 Accredited by DSS,

SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017.

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4. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Parkpoom Buasawad (1-003-ท-0017)*

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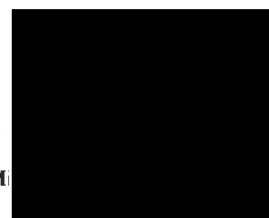
25/03/2024



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Test Report

Request No : W6703379

Report No : 6703-1432

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 67031143

Sample Name : น้ำออกจากระบบเคมี**

Sampling Date : 13/03/2024**

Sampling By : ETC**

Sampling Time : 8:40 AM**

Sampling Method : Grab**

Received Date : 14/03/2024

Tested Date : 14/03/2024 - 20/03/2024

Reported Date : 25/03/2024

Parameter	Unit	Method	Result	Standard ¹
pH (on site) *		Electrometric Method	7.0	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)	1,500	≤3000
Total Kjeldahl Nitrogen *	mg/L as NH ₃ -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 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 76 / 2560 (2017)

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Page 2 of 2

Test Report

Request No : W6704280

Report No : 6704-1300

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 67040859

Sample Name : น้ำขบวนการระบบเคมี**

Sampling Date : 09/04/2024**

Sampling By : ETC**

Sampling Time : 9:55 AM**

Sampling Method : Grab**

Received Date : 10/04/2024

Tested Date : 10/04/2024 - 18/04/2024

Reported Date : 25/04/2024

Parameter	Unit	Method	Result	Standard ¹
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)	< 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
Oil and Grease @	mg/L	Partition-Gravimetric Method (SM:5520B)	< 3.0	≤10

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 76 / 2560 (2017)

2. @ = ISO/IEC 17025:2017 Accredited by TISI., # = ISO/IEC 17025:2017 Accredited by DSS,

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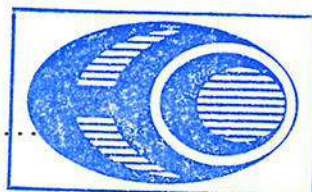
4. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Supharerk Phatklang (1-003-ก-0031)*

5. ** = These data are non laboratory data. .

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25/04/2024



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Page 1 of 2

Test Report

Request No : W6704280

Report No : 6704-1300

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 67040859

Sample Name : น้ำข่อยธรรมชาติ**

Sampling Date : 09/04/2024**

Sampling By : ETC**

Sampling Time : 9:55 AM**

Sampling Method : Grab**

Received Date : 10/04/2024

Tested Date : 10/04/2024 - 18/04/2024

Reported Date : 25/04/2024

Parameter	Unit	Method	Result	Standard ¹
pH (on site) *		Electrometric Method	6.8	5.5 - 9.0
Temperature *	°C	Laboratory and Field Method (SM:2550 B)	34	≤45
Total Dissolved Solids #	mg/L	Dried at 180 degree celsius (SM:2540C)	1,592	≤3000
Total Kjeldahl Nitrogen *	mg/L as NH ₃ -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 : 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 76 / 2560 (2017)

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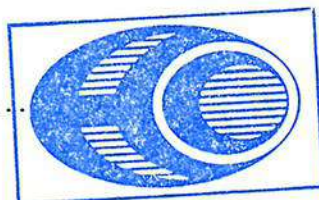
4. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Supharerk Phatklang (๖-๐๐3-๓-๐๐31)*

5. ** = These data are non laboratory data. .

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Approved By : ..

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25/04/2024

Test Report

Request No : W6705241

Report No : 6706-0040

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 67050833

Sample Name : น้ำทิ้งกระบวนการผลิต**

Sampling Date : 09/05/2024**

Sampling By : ETC**

Sampling Time : 9:10 AM**

Sampling Method : Grab**

Received Date : 10/05/2024

Tested Date : 10/05/2024 - 16/05/2024

Reported Date : 04/06/2024

Parameter	Unit	Method	Result	Standard ^{1/}
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)	59	≤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
Oil and Grease @	mg/L	Partition-Gravimetric Method (SM:5520B)	<3.0	≤10

Physical Appearance : 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 76 / 2560 (2017)

2. @ = ISO/IEC 17025:2017 Accredited by TISIL, # = ISO/IEC 17025:2017 Accredited by DSS,

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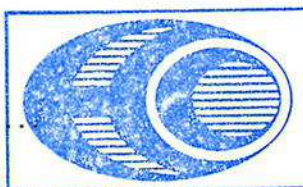
4. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Parkpoom Buasawad (จ-003-ท-0017)*

5. ** = These data are non laboratory data.

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Test Report

Request No : W6705241

Report No : 6706-0040

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 67050833

Sample Name : น้ำออกกระบวนการ**

Sampling Date : 09/05/2024**

Sampling By : ETC**

Sampling Time : 9:10 AM**

Sampling Method : Grab**

Received Date : 10/05/2024

Tested Date : 10/05/2024 - 16/05/2024

Reported Date : 04/06/2024

Parameter	Unit	Method	Result	Standard ¹
pH (on site) *		Electrometric Method	7.0	5.5 - 9.0
Temperature *	°C	Laboratory and Field Method (SM:2550 B)	33	≤45
Total Dissolved Solids #	mg/L	Dried at 180 degree celsius (SM:2540C)	1,476	≤3000
Total Kjeldahl Nitrogen *	mg/L as NH ₃ -N	Macro Kjeldahl Method (SM:4500 -Norg B)	< 5	≤100
Total Suspended Solids #	mg/L	Dried at 103-105 degree celsius (SM:2540D)	12	≤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 76 / 2560 (2017)

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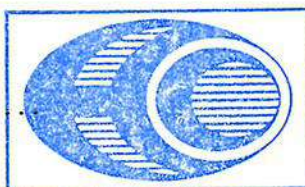
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Test Report

Request No : W6706328

Report No : 6706-1533

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 67060985

Sample Name : น้ำออกระบบเคมี

Sampling Date : 12/06/2024

Sampling By : ETC

Sampling Time : 9:05 AM

Sampling Method : Grab

Received Date : 13/06/2024

Tested Date : 13/06/2024 - 19/06/2024

Reported Date : 24/06/2024

Parameter	Unit	Method	Result	Standard ¹
Biochemical Oxygen Demand	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	5.5	≤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
Oil and Grease	mg/L	Partition-Gravimetric Method (SM:5520B)	< 3.0	≤10

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. /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 Pompinan Viriyakusolkul (จ-003-ก-0036)

Examined By

(M

24/06/2024



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Approved By

(Mi

24/06/2024

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Page 1 of 2

Test Report

Request No : W6706328

Report No : 6706-1533

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 67060985

Sample Name : น้ำออกระบบเคมี

Sampling Date : 12/06/2024

Sampling By : ETC

Sampling Time : 9:05 AM

Sampling Method : Grab

Received Date : 13/06/2024

Tested Date : 13/06/2024 - 19/06/2024

Reported Date : 24/06/2024

Parameter	Unit	Method	Result	Standard ¹
pH (on site)		Electrometric Method	7.0	5.5-9.0
Temperature	°C	Laboratory and Field Method (SM:2550 B)	32	≤45
Total Dissolved Solids	mg/L	Dried at 180 degree celsius (SM:2540C)	1,196	≤3000
Total Kjeldahl Nitrogen	mg/L as NH ₃ -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 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 Miss Pornpinan Viriyakusolkul (ว-003-ท-0036)

Examined By



24/06/2024



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Test Report

Request No : W6701322

Report No : 6701-1631

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 67011028

Sample Name : น้ำในบ่อเกรอะบบ Septic**

Sampling Date : 16/01/2024**

Sampling By : ETC**

Sampling Time : 8:40 AM**

Sampling Method : Grab**

Received Date : 17/01/2024

Tested Date : 17/01/2024 - 29/01/2024

Reported Date : 30/01/2024

Parameter	Unit	Method	Result	Standard ¹
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	Partition-Gravimetric Method (SM:5520B)	< 3.0	≤ 10
pH (on site) *		Electrometric Method	7.3	5.5 - 9.0
Temperature *	°C	Laboratory and Field Method	30	≤ 45

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 76 / 2560 (2017)

2. @ = ISO/IEC 17025:2017 Accredited by TISI., # = ISO/IEC 17025:2017 Accredited by DSS,

SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017.

3. Miss Apiradee Chuen-arom is Section Head / Miss Nunnaphat Bakhuntod is Technical Management.

4. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Songpon Phiwan (J-003-K-0016)*

5. ** = These data are non laboratory data.

Examined By :

(M

30/01/2024



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30/01/2024

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Page 1 of 2

Test Report

Request No : W6701322

Report No : 6701-1631

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 67011028

Sample Name : น้ำจากถังระบบ Septic**

Sampling Date : 16/01/2024**

Sampling By : ETC**

Sampling Time : 8:40 AM**

Sampling Method : Grab**

Received Date : 17/01/2024

Tested Date : 17/01/2024 - 29/01/2024

Reported Date : 30/01/2024

Parameter	Unit	Method	Result	Standard ¹⁾
Total Dissolved Solids #	mg/L	Dried at 180 degree celsius (SM:2540C)	173	<3000
Total Kjeldahl Nitrogen *	mg/L as NH ₃ -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, PE 1.0 L, PE 1.8 L, G 1.0 L]

Remark : 1. /1 Notification of Industrial Estate Authority of Thailand 76 / 2560 (2017)

2. @ = ISO/IEC 17025:2017 Accredited by TISI., # = ISO/IEC 17025:2017 Accredited by DSS,

SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017.

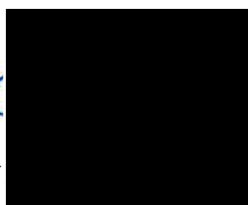
3. Miss Apiradee Chuen-arom is Section Head / Miss Nunnaphat Bakhuntod is Technical Management.

4. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Songpon Phiwan (J-003-P-0016)*

5. ** = These data are non laboratory data.

Examined By :

(M



30/01/2024



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Test Report

Request No : W6702410

Report No : 6702-1479

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 67021228

Sample Name : น้ำโสโครกซึม Septic**

Sampling Date : 14/02/2024**

Sampling By : ETC**

Sampling Time : 9:00 AM**

Sampling Method : Grab**

Received Date : 15/02/2024

Tested Date : 15/02/2024 - 22/02/2024

Reported Date : 27/02/2024

Parameter	Unit	Method	Result	Standard ¹
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	Partition-Gravimetric Method (SM:5520B)	<3.0	≤10
pH (on site) *		Electrometric Method	7.1	5.5 - 9.0
Temperature *	°C	Laboratory and Field Method (SM:2550 B)	31	≤45

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 76 / 2560 (2017)

2. @ = ISO/IEC 17025:2017 Accredited by TISI, # = ISO/IEC 17025:2017 Accredited by DSS,

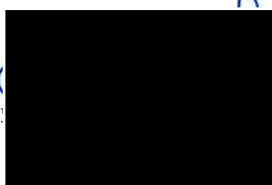
SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017.

3. Miss Apiradee Chuen-arom is Section Head / Miss Nunnaphat Bakhuntod is Technical Management.

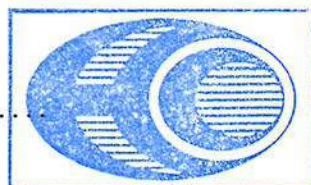
4. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Supharerk Phatklang (จ-003-ท-0031)*

5. ** = These data are non laboratory data.

Examined By



27/02/2024



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(Mi



(จ-003-ท-0005)

27/02/2024

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Test Report

Request No : W6702410

Report No : 6702-1479

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 67021228

Sample Name : น้ำโสโครก Septic**

Sampling Date : 14/02/2024**

Sampling By : ETC**

Sampling Time : 9:00 AM**

Sampling Method : Grab**

Received Date : 15/02/2024

Tested Date : 15/02/2024 - 22/02/2024

Reported Date : 27/02/2024

Parameter	Unit	Method	Result	Standard ¹
Total Dissolved Solids #	mg/L	Dried at 180 degree celsius (SM:2540C)	1,052	≤3000
Total Kjeldahl Nitrogen *	mg/L as NH ₃ -N	Macro Kjeldahl Method (SM:4500 -Norg B)	6	≤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 1.0 L , PE 1.8 L , G 1.0 L]

Remark : 1. /1 Notification of Industrial Estate Authority of Thailand 76 / 2560 (2017)

2. @ = ISO/IEC 17025:2017 Accredited by TISI, # = ISO/IEC 17025:2017 Accredited by DSS,

SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017.

3. Miss Apiradee Chuen-arom is Section Head / Miss Nunnaphat Bakhuntod is Technical Management.

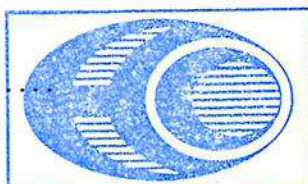
4. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Supharek Phatklang (๖-003-๓-0031)*

5. ** = These data are non laboratory data.

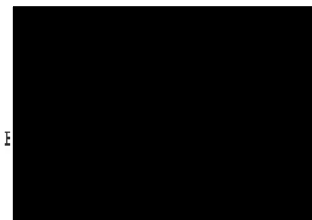
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27/02/2024



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27/02/2024

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Test Report

Request No : W6703379

Report No : 6703-1431

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 67031142

Sample Name : น้ำออกจาบบ Septic**

Sampling Date : 13/03/2024**

Sampling By : ETC**

Sampling Time : 8:30 AM**

Sampling Method : Grab**

Received Date : 14/03/2024

Tested Date : 14/03/2024 - 20/03/2024

Reported Date : 25/03/2024

Parameter	Unit	Method	Result	Standard ¹
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	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)	30	≤ 45

Physical Appearance : 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 76 / 2560 (2017)

2. @ = ISO/IEC 17025:2017 Accredited by TISI., # = ISO/IEC 17025:2017 Accredited by DSS,

SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017.

3. Miss Apiradee Chuen-arom is Section Head / Miss Nunnaphat Bakhuntod is Technical Management.

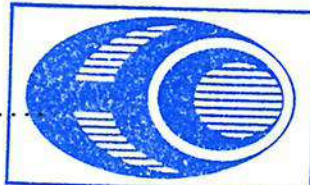
4. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Parkpoom Buasawad (ว-003-ก-0017)*

5. ** = These data are non laboratory data.

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25/03/2024



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Page 1 of 2

Test Report

Request No : W6703379

Report No : 6703-1431

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 67031142

Sample Name : น้ำออกจาบบน Septic**

Sampling Date : 13/03/2024**

Sampling By : ETC**

Sampling Time : 8:30 AM**

Sampling Method : Grab**

Received Date : 14/03/2024

Tested Date : 14/03/2024 - 20/03/2024

Reported Date : 25/03/2024

Parameter	Unit	Method	Result	Standard ¹
Total Dissolved Solids #	mg/L	Dried at 180 degree celsius (SM:2540C)	385	≤3000
Total Kjeldahl Nitrogen *	mg/L as NH ₃ -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, PE 1.0 L, PE 1.8 L, G 1.0 L]

Remark : 1. /1 Notification of Industrial Estate Authority of Thailand 76 / 2560 (2017)

2. @ = ISO/IEC 17025:2017 Accredited by TISI., # = ISO/IEC 17025:2017 Accredited by DSS,

SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017.

3. Miss Apiradee Chuen-arom is Section Head / Miss Nunnaphat Bakhuntod is Technical Management.

4. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Parkpoom Buasawad (7-003-ก-0017)*

5. ** = These data are non laboratory data.

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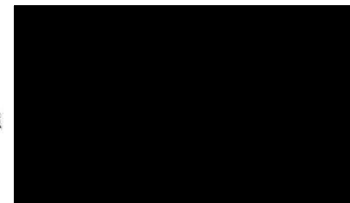


25/03/2024



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25/03/2024

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Test Report

Request No : W 6704280

Report No : 6704-1298

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 67040857

Sample Name : น้ำจากอกระบบ Septic*

Sampling Date : 09/04/2024**

Sampling By : ETC**

Sampling Time : 10:00 AM**

Sampling Method : Grab**

Received Date : 10/04/2024

Tested Date : 10/04/2024 - 18/04/2024

Reported Date : 25/04/2024

Parameter	Unit	Method	Result	Standard ¹
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	5.0	≤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	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)	34	≤45

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. /1 Notification of Industrial Estate Authority of Thailand 76 / 2560 (2017)

2. @ = ISO/IEC 17025:2017 Accredited by TISI., # = ISO/IEC 17025:2017 Accredited by DSS,

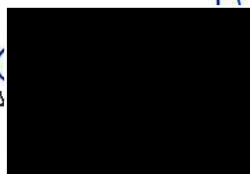
SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017.

3. Miss Apiradee Chuen-arom is Section Head / Miss Nunnaphat Bakhuntod is Technical Management.

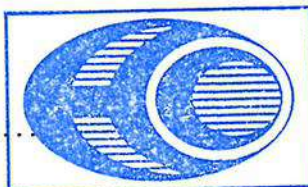
4. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Supharerk Phatklang (1-003-ท-0031)*

5. ** = These data are non laboratory data. .

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25/04/2024



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Page 1 of 2

Test Report

Request No : W6704280

Report No : 6704-1298

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 67040857

Sample Name : น้ำจากออกจาบบ Septic**

Sampling Date : 09/04/2024**

Sampling By : ETC**

Sampling Time : 10:00 AM**

Sampling Method : Grab**

Received Date : 10/04/2024

Tested Date : 10/04/2024 - 18/04/2024

Reported Date : 25/04/2024

Parameter	Unit	Method	Result	Standard ¹
Total Dissolved Solids #	mg/L	Dried at 180 degree celsius (SM:2540C)	282	≤3000
Total Kjeldahl Nitrogen *	mg/L as NH ₃ -N	Macro Kjeldahl Method (SM:4500 -Norg B)	13	≤100
Total Suspended Solids #	mg/L	Dried at 103-105 degree celsius (SM:2540D)	< 5	≤200

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 76 / 2560 (2017)

2. @ = ISO/IEC 17025:2017 Accredited by TISI., # = ISO/IEC 17025:2017 Accredited by DSS,

SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017.

3. Miss Apiradee Chuen-arom is Section Head / Miss Nurnaphat Bakhuntod is Technical Management.

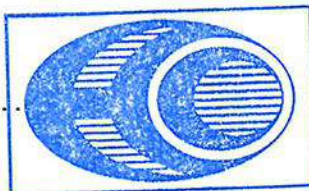
4. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Supharerk Phatklang (1-003-ก-0031)*

5. ** = These data are non laboratory data. .

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25/04/2024



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Page 2 of 2

Test Report

Request No : W6705241

Report No : 6706-0039

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 67050832

Sample Name : น้ำออกจาบบน Septic**

Sampling Date : 09/05/2024**

Sampling By : ETC**

Sampling Time : 9:00 AM**

Sampling Method : Grab**

Received Date : 10/05/2024

Tested Date : 10/05/2024 - 16/05/2024

Reported Date : 04/06/2024

Parameter	Unit	Method	Result	Standard ¹
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	13.2	≤500
Chemical Oxygen Demand #	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	62	≤750
Color(Original) *	ADMI	ADMI Weighted Ordinate Spectrophotometric Method (SM:2120F)	37	≤600
Color(pH 7.0) *	ADMI	ADMI Weighted Ordinate Spectrophotometric Method (SM:2120F)	34	≤600
Oil and Grease @	mg/L	Partition-Gravimetric Method (SM:5520B)	< 3.0	≤10
pH (on site) *		Electrometric Method	7.2	5.5 - 9.0
Temperature *	°C	Laboratory and Field Method (SM:2550 B)	31	≤45

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 76 / 2560 (2017)

2. @ = ISO/IEC 17025:2017 Accredited by TISI., # = ISO/IEC 17025:2017 Accredited by DSS,

SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017.

3. Miss Apiradee Chuen-arom is Section Head / Miss Nunnaphat Bakhuntod is Technical Management.

4. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Parkpoom Buasawad (จ-003-ค-0017)*

5. ** = These data are non laboratory data.

Examined

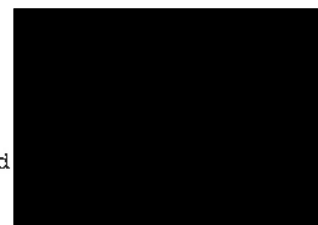


04/06/2024



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Approved



(จ-003-ค-0005)

04/06/2024

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Page 1 of 2

Test Report

Request No : W6705241

Report No : 6706-0039

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 67050832

Sample Name : น้ำออกจา่บ่บ Septic**

Sampling Date : 09/05/2024**

Sampling By : ETC**

Sampling Time : 9:00 AM**

Sampling Method : Grab**

Received Date : 10/05/2024

Tested Date : 10/05/2024 - 16/05/2024

Reported Date : 04/06/2024

Parameter	Unit	Method	Result	Standard ¹
Total Dissolved Solids #	mg/L	Dried at 180 degree celsius (SM:2540C)	378	≤3000
Total Kjeldahl Nitrogen *	mg/L as NH ₃ -N	Macro Kjeldahl Method (SM:4500 -Norg B)	41	≤100
Total Suspended Solids #	mg/L	Dried at 103-105 degree celsius (SM:2540D)	5	≤200

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 76 / 2560 (2017)

2. @ = ISO/IEC 17025:2017 Accredited by TISI., # = ISO/IEC 17025:2017 Accredited by DSS,

SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017.

3. Miss Apiradee Chuen-arom is Section Head / Miss Nunnaphat Bakhuntod is Technical Management.

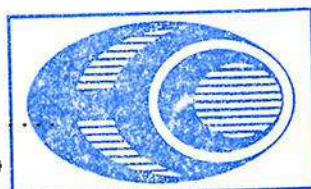
4. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Parkpoom Buasawad (1-003-ก-0017)*

5. ** = These data are non laboratory data.

Examined By



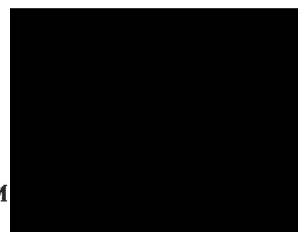
04/06/2024



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Page 2 of 2

Test Report

Request No : W6706328

Report No : 6706-1532

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 67060984

Sample Name : น้ำออกจาบบ Septic

Sampling Date : 12/06/2024

Sampling By : ETC

Sampling Time : 9:00 AM

Sampling Method : Grab

Received Date : 13/06/2024

Tested Date : 13/06/2024 - 19/06/2024

Reported Date : 24/06/2024

Parameter	Unit	Method	Result	Standard ¹
Biochemical Oxygen Demand	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	20.1	≤500
Chemical Oxygen Demand	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	92	≤750
Color(Original)	ADMI	ADMI Weighted Ordinate Spectrophotometric Method (SM:2120F)	25	≤600
Color(pH 7.0)	ADMI	ADMI Weighted Ordinate Spectrophotometric Method (SM:2120F)	27	≤600
Oil and Grease	mg/L	Partition-Gravimetric Method (SM:5520B)	<3.0	≤10
pH (on site)		Electrometric Method	7.4	5.5-9.0
Temperature	°C	Laboratory and Field Method (SM:2550 B)	31	≤45

Physical Appearance : 1. Sample : yellowish, lightly SS

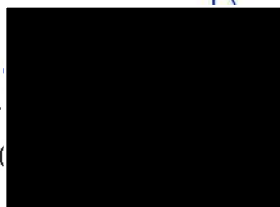
2. Container : Normal [PE 0.5 L, PE 1.0 L, PE 1.8 L, G 1.0 L]

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 Miss Pornpinan Viriyakusolkul (ว-003-ท-0036)

Examined By



24/06/2024



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Page 1 of 2

Test Report

Request No : W6706328

Report No : 6706-1532

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 67060984

Sample Name : น้ำออกระบบ Septic

Sampling Date : 12/06/2024

Sampling By : ETC

Sampling Time : 9:00 AM

Sampling Method : Grab

Received Date : 13/06/2024

Tested Date : 13/06/2024 - 19/06/2024

Reported Date : 24/06/2024

Parameter	Unit	Method	Result	Standard ¹
Total Dissolved Solids	mg/L	Dried at 180 degree celsius (SM:2540C)	268	≤3000
Total Kjeldahl Nitrogen	mg/L as NH ₃ -N	Macro Kjeldahl Method (SM:4500 -Norg B)	26	≤100
Total Suspended Solids	mg/L	Dried at 103-105 degree celsius (SM:2540D)	11	≤200

Physical Appearance : 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 Miss Pompinan Viriyakusolkul (1-003-ท-0036)

Examined By

(M)

24/06/2024



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Approved By

(1-003-ท-0005)

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