

## ภาคผนวก ค-1

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ใบรายงานผลการตรวจวัดคุณภาพอากาศในบรรยากาศ  
และระดับเสียงโดยทั่วไป

## ANALYSIS REPORT

Analysis No. : Lab-AB 038/2566

Job No. : PCL 0393/66

Report Date : May 17, 2023

Customer Name : บริษัท โลจิสติกส์ (ไทยแลนด์) จำกัด  
 Address : เลขที่ 150/68 หมู่ที่ 9 นิคมอุตสาหกรรมปิ่นทอง 2 ตำบลหนองระฆัง อำเภอสว่างวีระราช จังหวัดชลบุรี 20110  
 Sampling Source : Ambient Air Quality  
 Sampling Point : บริเวณวัดเขาชีธรรมนิมิตร  
 Sampling Date/Time : April 21-28, 2023/05.15 p.m. Received Date : May 2, 2023  
 GPS. Coordinate : UTM 47P 0721580 E, 1451033 N Analytical Date : May 2, 2023  
 Sampling Method : U.S. 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.	21-22/04/23	mg/m <sup>3</sup>	0.056
2.	22-23/04/23		0.052
3.	23-24/04/23		0.048
4.	24-25/04/23		0.054
5.	25-26/04/23		0.051
6.	26-27/04/23		0.049
7.	27-28/04/23		0.047
Standard <sup>1</sup>			≤0.35

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



PACIFIC LABORATORY CO., LTD.  
 Lab. Supervisor

## ANALYSIS REPORT

Analysis No. : Lab-AB 038/2566

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Customer Name : บริษัท โอจี ฟอว์จ (ไทยแลนด์) จำกัด  
 Address : เลขที่ 150/68 หมู่ที่ 9 นิคมอุตสาหกรรมปิ่นทอง 2 ตำบลหนองปรือ อำเภอกีระราชา จังหวัดชลบุรี 20110  
 Sampling Source : Ambient Air Quality  
 Sampling Point : บริเวณโรงพยาบาลส่งเสริมสุขภาพตำบลบ้านหนองค้อ  
 Sampling Date/Time : April 21-28, 2023/03.40 p.m. Received Date : May 2, 2023  
 GPS. Coordinate : UTM 47P 0719951 E, 1452018 N Analytical Date : May 2, 2023  
 Sampling Method : U.S. 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.	21-22/04/23	mg/m <sup>3</sup>	0.066
2.	22-23/04/23		0.061
3.	23-24/04/23		0.064
4.	24-25/04/23		0.071
5.	25-26/04/23		0.060
6.	26-27/04/23		0.057
7.	27-28/04/23		0.061
Standard <sup>1)</sup>			≤0.33

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



## ANALYSIS REPORT

Analysis No. : NH 057/2566  
 Job No. : PCL 0393/66  
 Report Date : May 8, 2023

Customer Name : บริษัท โอจี ฟอรัจ (ไทยแลนด์) จำกัด  
 Address : เลขที่ 150/68 หมู่ที่ 9 นิคมอุตสาหกรรมเป็นทอง 2 ตำบลหนองขาม อำเภอศรีราชา จังหวัดชลบุรี 20110  
 Sampling Source : Community Noise  
 Sampling Location : ที่ดิน (Slope area)  
 Measured Date : April 21-22, 2023  
 Measured Instrument : Sound Level Meter ACO Type 6226 Serial Number 150055

Interval Time	Noise Level (dBA)		
	Leq	Lmax	L90
02:00 p.m. - 03:00 p.m.	62.8	85.0	58.0
03:00 p.m. - 04:00 p.m.	62.7	79.1	57.3
04:00 p.m. - 05:00 p.m.	65.9	91.3	57.4
05:00 p.m. - 06:00 p.m.	65.3	93.5	55.5
06:00 p.m. - 07:00 p.m.	61.0	84.7	53.4
07:00 p.m. - 08:00 p.m.	68.1	91.5	61.3
08:00 p.m. - 09:00 p.m.	65.5	87.9	58.1
09:00 p.m. - 10:00 p.m.	63.3	82.5	57.4
10:00 p.m. - 11:00 p.m.	63.4	81.4	57.2
11:00 p.m. - 00:00 p.m.	60.4	79.9	55.3
00:00 p.m. - 01:00 a.m.	58.3	75.0	53.9
01:00 a.m. - 02:00 a.m.	62.7	80.7	56.8
02:00 a.m. - 03:00 a.m.	61.7	80.5	56.4
03:00 a.m. - 04:00 a.m.	59.3	75.3	55.6
04:00 a.m. - 05:00 a.m.	61.3	84.7	53.9
05:00 a.m. - 06:00 a.m.	60.0	82.6	52.4
06:00 a.m. - 07:00 a.m.	63.3	88.0	54.7
07:00 a.m. - 08:00 a.m.	69.6	89.1	62.9
08:00 a.m. - 09:00 a.m.	65.3	90.1	57.0
09:00 a.m. - 10:00 a.m.	63.3	85.9	57.0
10:00 a.m. - 11:00 a.m.	62.7	82.0	56.9
11:00 a.m. - 12:00 a.m.	65.2	84.5	57.6
12:00 a.m. - 01:00 p.m.	62.6	82.7	55.6
01:00 p.m. - 02:00 p.m.	63.3	82.0	56.7
24 Hours Measured	64.0	93.5	57.3
Standard <sup>1)</sup>	≤70	≤115	-
Evaluation	pass	pass	-
Ldn	68.6	-	-

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



## ANALYSIS REPORT

Analysis No. : NH 057/2566  
 Job No. : PCL 0393/66  
 Report Date : May 8, 2023

Customer Name : บริษัท โอจี ฟู้ดส์ (ไทยแลนด์) จำกัด  
 Address : เลขที่ 150/68 หมู่ที่ 9 นิคมอุตสาหกรรมปิ่นทอง 2 ตำบลหนองปรือ อำเภอศรีราชา จังหวัดชลบุรี 20110  
 Sampling Source : Community Noise  
 Sampling Location : พื้นที่ (Slope area)  
 Measured Date : April 22-23, 2023  
 Measured Instrument : Sound Level Meter ACO Type 6226 Serial Number 150055

Interval Time	Noise Level (dBA)		
	Leq	Lmax	L90
02:00 p.m. - 03:00 p.m.	63.8	80.1	58.1
03:00 p.m. - 04:00 p.m.	61.4	78.2	57.5
04:00 p.m. - 05:00 p.m.	63.3	79.3	58.3
05:00 p.m. - 06:00 p.m.	62.0	87.0	57.4
06:00 p.m. - 07:00 p.m.	63.1	79.9	60.0
07:00 p.m. - 08:00 p.m.	70.4	101.3	60.9
08:00 p.m. - 09:00 p.m.	61.5	86.6	55.2
09:00 p.m. - 10:00 p.m.	61.6	84.2	55.1
10:00 p.m. - 11:00 p.m.	61.1	80.5	55.5
11:00 p.m. - 00:00 p.m.	56.9	78.8	53.4
00:00 p.m. - 01:00 a.m.	56.3	78.0	52.9
01:00 a.m. - 02:00 a.m.	59.7	81.0	54.9
02:00 a.m. - 03:00 a.m.	57.5	80.9	53.3
03:00 a.m. - 04:00 a.m.	54.9	76.5	52.4
04:00 a.m. - 05:00 a.m.	61.2	84.2	53.3
05:00 a.m. - 06:00 a.m.	61.6	85.0	53.7
06:00 a.m. - 07:00 a.m.	61.7	86.9	53.7
07:00 a.m. - 08:00 a.m.	67.1	89.8	57.6
08:00 a.m. - 09:00 a.m.	62.0	87.8	50.5
09:00 a.m. - 10:00 a.m.	61.5	84.6	53.1
10:00 a.m. - 11:00 a.m.	63.5	85.4	50.3
11:00 a.m. - 12:00 a.m.	57.9	82.1	49.8
12:00 a.m. - 01:00 p.m.	57.4	79.5	49.6
01:00 p.m. - 02:00 p.m.	58.6	85.7	51.4
24 Hours Measured	62.6	101.3	55.6
Standard <sup>1)</sup>	≤70	≤115	-
Evaluation	pass	pass	-
Ldn	66.9	-	-

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

PACIFIC LABORATORY CO., LTD.  
  
 Lab. Supervisor



## ANALYSIS REPORT

Analysis No. : NH 057/2566

Job No. : PCL 0393/66

Report Date : May 8, 2023

Customer Name : บริษัท โอจี ฟู้ดส์ (ไทยแลนด์) จำกัด  
 Address : เลขที่ 150/68 หมู่ที่ 9 นิคมอุตสาหกรรมปิ่นทอง 2 ตำบลหนองขาม อำเภอศรีราชา จังหวัดชลบุรี 20110  
 Sampling Source : Community Noise  
 Sampling Location : ที่พื่นที่ (Slope area)  
 Measured Date : April 23-24, 2023  
 Measured Instrument : Sound Level Meter ACO Type 6226 Serial Number 150055

Interval Time	Noise Level (dBA)		
	Leq	Lmax	L90
02:00 p.m. - 03:00 p.m.	57.6	80.4	51.2
03:00 p.m. - 04:00 p.m.	56.4	83.9	49.2
04:00 p.m. - 05:00 p.m.	60.8	89.4	50.5
05:00 p.m. - 06:00 p.m.	60.0	88.7	50.6
06:00 p.m. - 07:00 p.m.	61.1	91.1	50.8
07:00 p.m. - 08:00 p.m.	64.7	89.2	53.4
08:00 p.m. - 09:00 p.m.	59.7	83.9	49.5
09:00 p.m. - 10:00 p.m.	53.0	78.1	49.7
10:00 p.m. - 11:00 p.m.	54.5	77.1	49.7
11:00 p.m. - 00:00 p.m.	50.9	59.6	49.1
00:00 p.m. - 01:00 a.m.	56.1	77.2	57.2
01:00 a.m. - 02:00 a.m.	58.3	63.1	57.7
02:00 a.m. - 03:00 a.m.	53.9	73.0	52.1
03:00 a.m. - 04:00 a.m.	52.4	77.6	49.1
04:00 a.m. - 05:00 a.m.	58.1	86.5	49.7
05:00 a.m. - 06:00 a.m.	58.7	81.3	51.5
06:00 a.m. - 07:00 a.m.	63.8	87.3	55.3
07:00 a.m. - 08:00 a.m.	68.1	90.3	61.9
08:00 a.m. - 09:00 a.m.	63.5	80.4	57.4
09:00 a.m. - 10:00 a.m.	62.7	80.4	57.2
10:00 a.m. - 11:00 a.m.	63.5	81.0	57.1
11:00 a.m. - 12:00 a.m.	64.2	80.7	57.9
12:00 a.m. - 01:00 p.m.	63.2	91.6	57.5
01:00 p.m. - 02:00 p.m.	65.6	95.8	60.1
24 Hours Measured	61.7	95.8	55.4
Standard	<70	<115	-
Evaluation	pass	pass	-
Ldn	64.6	-	-

Remark : 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)

PACIFIC LABORATORY CO., LTD.  
 Lab. Supervisor

## ANALYSIS REPORT

Analysis No. : NH 057/2566

Job No. : PCL 0393/66

Report Date : May 8, 2023

Customer Name : บริษัท โอจี ฟู้ดส์ (ไทยแลนด์) จำกัด  
 Address : เลขที่ 150/68 หมู่ที่ 9 นิคมอุตสาหกรรมปิ่นทอง 2 ตำบลหนองปรือ อำเภอศรีราชา จังหวัดชลบุรี 20110  
 Sampling Source : Community Noise  
 Sampling Location : พืชหนือ (Slope area)  
 Measured Date : April 24-25, 2023  
 Measured Instrument : Sound Level Meter ACO Type 6226 Serial Number 150055

Interval Time	Noise Level (dBA)		
	Leq	Lmax	L90
02:00 p.m. - 03:00 p.m.	64.5	83.6	58.4
03:00 p.m. - 04:00 p.m.	63.9	81.5	58.5
04:00 p.m. - 05:00 p.m.	68.2	94.2	60.7
05:00 p.m. - 06:00 p.m.	63.9	84.1	56.2
06:00 p.m. - 07:00 p.m.	61.8	85.6	55.9
07:00 p.m. - 08:00 p.m.	67.9	84.2	63.2
08:00 p.m. - 09:00 p.m.	65.2	89.5	57.7
09:00 p.m. - 10:00 p.m.	62.4	82.1	57.4
10:00 p.m. - 11:00 p.m.	62.3	83.0	56.6
11:00 p.m. - 00:00 p.m.	59.7	81.7	55.7
00:00 p.m. - 01:00 a.m.	58.5	79.3	54.0
01:00 a.m. - 02:00 a.m.	61.8	81.0	57.5
02:00 a.m. - 03:00 a.m.	60.7	78.8	56.5
03:00 a.m. - 04:00 a.m.	61.4	80.9	56.4
04:00 a.m. - 05:00 a.m.	61.8	90.2	54.2
05:00 a.m. - 06:00 a.m.	60.5	81.1	54.7
06:00 a.m. - 07:00 a.m.	64.6	90.1	56.3
07:00 a.m. - 08:00 a.m.	69.7	89.0	64.1
08:00 a.m. - 09:00 a.m.	65.8	87.1	59.1
09:00 a.m. - 10:00 a.m.	62.6	78.3	57.6
10:00 a.m. - 11:00 a.m.	64.7	85.3	58.1
11:00 a.m. - 12:00 a.m.	64.5	87.6	57.8
12:00 a.m. - 01:00 p.m.	63.7	83.4	57.3
01:00 p.m. - 02:00 p.m.	64.5	83.6	59.7
24 Hours Measured	64.4	96.1	58.4
Standard <sup>1)</sup>	≤70	≤115	-
Evaluation	pass	pass	-
Ldn	68.5	-	-

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

PACIFIC LABORATORY CO., LTD.  
  
 Lab. Supervisor

## ANALYSIS REPORT

Analysis No. : NH 057/2566

Job No. : PCL 0393/66

Report Date : May 8, 2023

Customer Name : บริษัท โอจี ฟู้ดส์ (ไทยแลนด์) จำกัด  
 Address : เลขที่ 150/68 หมู่ที่ 9 นิคมอุตสาหกรรมบางปะทอง 2 ตำบลหนองแขม อำเภอศรีราชา จังหวัดชลบุรี 20110  
 Sampling Source : Community Noise  
 Sampling Location : ซิตีเพนinsula (Slope area)  
 Measured Date : April 25-26, 2023  
 Measured Instrument : Sound Level Meter ACO Type 6226 Serial Number 150055

Interval Time	Noise Level (dBA)		
	Leq	Lmax	L90
02:00 p.m. - 03:00 p.m.	62.6	82.7	58.9
03:00 p.m. - 04:00 p.m.	63.2	84.1	60.7
04:00 p.m. - 05:00 p.m.	63.5	79.9	60.7
05:00 p.m. - 06:00 p.m.	63.4	79.1	60.8
06:00 p.m. - 07:00 p.m.	63.2	80.9	61.0
07:00 p.m. - 08:00 p.m.	63.5	83.8	60.9
08:00 p.m. - 09:00 p.m.	63.5	81.6	60.8
09:00 p.m. - 10:00 p.m.	64.4	82.9	61.3
10:00 p.m. - 11:00 p.m.	63.4	77.3	61.2
11:00 p.m. - 00:00 p.m.	63.3	80.0	61.0
00:00 p.m. - 01:00 a.m.	63.3	81.3	60.9
01:00 a.m. - 02:00 a.m.	63.8	94.1	60.5
02:00 a.m. - 03:00 a.m.	62.7	77.8	60.8
03:00 a.m. - 04:00 a.m.	61.7	77.3	60.3
04:00 a.m. - 05:00 a.m.	61.7	82.5	60.2
05:00 a.m. - 06:00 a.m.	61.8	85.6	60.2
06:00 a.m. - 07:00 a.m.	62.0	76.2	60.6
07:00 a.m. - 08:00 a.m.	61.9	76.0	60.3
08:00 a.m. - 09:00 a.m.	62.0	75.3	60.5
09:00 a.m. - 10:00 a.m.	62.2	80.2	60.6
10:00 a.m. - 11:00 a.m.	62.8	75.3	60.4
11:00 a.m. - 12:00 a.m.	65.1	80.0	60.3
12:00 a.m. - 01:00 p.m.	63.6	78.8	59.3
01:00 p.m. - 02:00 p.m.	62.7	79.7	59.4
24 Hours Measured	63.1	94.1	60.5
Standard <sup>1)</sup>	≤70	≤115	-
Evaluation	pass	pass	-
Ldn	69.4	-	-

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

PACIFIC LABORATORY CO., LTD.  
  
 Lab Supervisor

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ภาคผนวก ก-1 หน้า 7/37



## ANALYSIS REPORT

Analysis No. : MH 057/2566

Job No. : PCL 0393/66

Report Date : May 8, 2023

Customer Name : บริษัท โอจี ฟู้ดส์ (ไทยแลนด์) จำกัด  
 Address : เลขที่ 150/68 หมู่ที่ 9 นิคมอุตสาหกรรมปิ่นทอง 2 ตำบลหนองขาหย่าง อำเภอศรีราชา จังหวัดชลบุรี 20110  
 Sampling Source : Community Noise  
 Sampling Location : ที่ดิน (Slope area)  
 Measured Date : April 26-27, 2023  
 Measured Instrument : Sound Level Meter ACO Type 6226 Serial Number 150055

Interval Time	Noise Level (dBA)		
	Leq	Lmax	L90
02:00 p.m. - 03:00 p.m.	62.1	83.6	59.2
03:00 p.m. - 04:00 p.m.	62.3	85.6	59.2
04:00 p.m. - 05:00 p.m.	63.2	84.9	56.5
05:00 p.m. - 06:00 p.m.	62.6	84.9	54.5
06:00 p.m. - 07:00 p.m.	59.6	83.9	53.7
07:00 p.m. - 08:00 p.m.	65.4	91.3	57.4
08:00 p.m. - 09:00 p.m.	63.2	85.9	56.8
09:00 p.m. - 10:00 p.m.	59.2	76.6	53.9
10:00 p.m. - 11:00 p.m.	59.2	78.3	53.7
11:00 p.m. - 00:00 p.m.	58.3	79.6	53.4
00:00 p.m. - 01:00 a.m.	54.8	77.4	51.1
01:00 a.m. - 02:00 a.m.	60.1	79.3	53.7
02:00 a.m. - 03:00 a.m.	58.5	77.8	53.2
03:00 a.m. - 04:00 a.m.	58.8	78.1	53.3
04:00 a.m. - 05:00 a.m.	56.5	75.3	51.8
05:00 a.m. - 06:00 a.m.	58.1	85.0	51.6
06:00 a.m. - 07:00 a.m.	64.1	100.4	53.3
07:00 a.m. - 08:00 a.m.	64.1	82.4	59.1
08:00 a.m. - 09:00 a.m.	63.3	86.9	56.6
09:00 a.m. - 10:00 a.m.	59.3	76.6	54.6
10:00 a.m. - 11:00 a.m.	60.1	79.1	54.9
11:00 a.m. - 12:00 a.m.	59.6	77.2	53.8
12:00 a.m. - 01:00 p.m.	59.7	78.9	53.1
01:00 p.m. - 02:00 p.m.	62.5	84.0	58.2
24 Hours Measured	61.3	100.4	55.5
Standard <sup>1)</sup>	≤70	≤115	-
Evaluation	pass	pass	-
Ldn	65.7	-	-

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

PACIFIC LABORATORY CO., LTD.  
  
 Lab Supervisor

DO NOT COPY PARTIAL OF THIS ANALYSIS REPORT WITHOUT OFFICIAL APPROVAL

REPORT ANALYSIS REFERS TO SUBMITTED SAMPLE (S) ONLY

ภาคผนวก ก-1 หน้า 8/37

## ANALYSIS REPORT

Analysis No. : NH 057/2566

Job No. : PCL 0393/66

Report Date : May 8, 2023

Customer Name : บริษัท โอจี ฟร็อก (ไทยแลนด์) จำกัด  
 Address : เลขที่ 150/68 หมู่ที่ 9 นิคมอุตสาหกรรมปิ่นทอง 2 ตำบลหนองขาม อำเภอศรีราชา จังหวัดชลบุรี 20110  
 Sampling Source : Community Noise  
 Sampling Location : ที่ดิน (Slope area)  
 Measured Date : April 27-28, 2023  
 Measured Instrument : Sound Level Meter ACO Type 6226 Serial Number 150055

Interval Time	Noise Level (dBA)		
	Leq	Lmax	L90
02:00 p.m. - 03:00 p.m.	61.6	86.7	56.2
03:00 p.m. - 04:00 p.m.	63.7	88.7	58.4
04:00 p.m. - 05:00 p.m.	60.1	79.1	54.3
05:00 p.m. - 06:00 p.m.	62.1	87.3	54.9
06:00 p.m. - 07:00 p.m.	58.3	77.5	53.2
07:00 p.m. - 08:00 p.m.	62.7	85.8	57.8
08:00 p.m. - 09:00 p.m.	62.5	78.9	59.5
09:00 p.m. - 10:00 p.m.	62.6	79.6	59.8
10:00 p.m. - 11:00 p.m.	62.7	81.8	59.6
11:00 p.m. - 00:00 p.m.	62.1	80.6	59.6
00:00 p.m. - 01:00 a.m.	62.9	79.0	59.9
01:00 a.m. - 02:00 a.m.	68.1	87.8	61.2
02:00 a.m. - 03:00 a.m.	62.8	76.5	59.9
03:00 a.m. - 04:00 a.m.	62.8	79.2	60.0
04:00 a.m. - 05:00 a.m.	63.1	83.8	60.1
05:00 a.m. - 06:00 a.m.	62.8	83.2	61.0
06:00 a.m. - 07:00 a.m.	61.9	82.7	60.4
07:00 a.m. - 08:00 a.m.	62.2	79.1	60.6
08:00 a.m. - 09:00 a.m.	62.0	78.7	60.7
09:00 a.m. - 10:00 a.m.	61.5	73.8	60.4
10:00 a.m. - 11:00 a.m.	61.8	74.3	60.4
11:00 a.m. - 12:00 a.m.	61.6	75.8	60.5
12:00 a.m. - 01:00 p.m.	61.6	78.9	60.3
01:00 p.m. - 02:00 p.m.	60.6	84.1	56.2
24 Hours Measured	62.6	87.8	59.4
Standard <sup>1)</sup>	<70	<115	-
Evaluation	pass	pass	-
Ldn	69.9	-	-

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



Lab. Supervisor

DO NOT COPY PARTIAL OF THIS ANALYSIS REPORT WITHOUT OFFICIAL APPROVAL

REPORT ANALYSIS REFERS TO SUBMITTED SAMPLE (S) ONLY

ภาคผนวก ก-1 หน้า 9/37

## ANALYSIS REPORT

Analysis No. : NH 057/2566

Job No. : PCL 0393/66

Report Date : May 8, 2023

Customer Name : บริษัท โอจี ฟู้ดส์ (ไทยแลนด์) จำกัด  
 Address : เลขที่ 150/68 หมู่ที่ 9 นิคมอุตสาหกรรมปิ่นทอง 2 ตำบลหนองปรือ อำเภอศรีราชา จังหวัดชลบุรี 20110  
 Sampling Source : Community Noise  
 Sampling Location : ทิศใต้ (บริเวณหลังงาน Emer)  
 Measured Date : April 22-23, 2023  
 Measured Instrument : Sound Level Meter ACO Type 6226 Serial Number 200038

Interval Time	Noise Level (dBA)		
	Leq	Lmax	L90
02:00 p.m. - 03:00 p.m.	58.0	77.7	51.1
03:00 p.m. - 04:00 p.m.	61.9	84.2	51.5
04:00 p.m. - 05:00 p.m.	55.9	76.1	50.4
05:00 p.m. - 06:00 p.m.	60.8	82.7	50.0
06:00 p.m. - 07:00 p.m.	55.4	76.7	49.6
07:00 p.m. - 08:00 p.m.	52.8	72.4	50.4
08:00 p.m. - 09:00 p.m.	61.8	82.6	52.1
09:00 p.m. - 10:00 p.m.	61.7	84.0	51.7
10:00 p.m. - 11:00 p.m.	59.0	80.6	51.8
11:00 p.m. - 00:00 p.m.	59.2	83.6	51.4
00:00 p.m. - 01:00 a.m.	55.7	79.7	49.7
01:00 a.m. - 02:00 a.m.	55.6	75.9	52.1
02:00 a.m. - 03:00 a.m.	61.5	84.1	51.5
03:00 a.m. - 04:00 a.m.	53.4	80.0	50.5
04:00 a.m. - 05:00 a.m.	53.2	74.6	51.1
05:00 a.m. - 06:00 a.m.	53.3	82.0	50.4
06:00 a.m. - 07:00 a.m.	53.5	72.8	51.4
07:00 a.m. - 08:00 a.m.	52.3	67.2	49.6
08:00 a.m. - 09:00 a.m.	52.3	73.8	49.5
09:00 a.m. - 10:00 a.m.	58.3	80.8	51.9
10:00 a.m. - 11:00 a.m.	59.8	80.4	50.4
11:00 a.m. - 12:00 a.m.	61.1	82.6	52.2
12:00 a.m. - 01:00 p.m.	52.9	73.4	49.1
01:00 p.m. - 02:00 p.m.	56.7	81.0	49.2
24 Hours Measured	58.3	84.2	50.9
Standard <sup>1)</sup>	≤70	≤115	-
Evaluation	pass	pass	-
Ldn	64.6	-	-

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





## ANALYSIS REPORT

Analysis No. : NH 057/2566  
 Job No. : PCL 0393/66  
 Report Date : May 8, 2023

Customer Name : บริษัท โอจี ฟอรัจ (ไทยแลนด์) จำกัด  
 Address : เลขที่ 150/68 หมู่ที่ 9 นิคมอุตสาหกรรมปิ่นทอง 2 ตำบลหนองปรือ อำเภอศรีราชา จังหวัดชลบุรี 20110  
 Sampling Source : Community Noise  
 Sampling Location : ที่วัด (บริเวณพื้นที่งาน Emer)  
 Measured Date : April 23-24, 2023  
 Measured Instrument : Sound Level Meter ACO Type 6226 Serial Number 200038

Interval Time	Noise Level (dBA)		
	Leq	Lmax	L90
02:00 p.m. - 03:00 p.m.	56.5	78.1	49.3
03:00 p.m. - 04:00 p.m.	56.7	79.1	52.2
04:00 p.m. - 05:00 p.m.	60.5	78.2	51.6
05:00 p.m. - 06:00 p.m.	50.8	72.7	47.8
06:00 p.m. - 07:00 p.m.	61.7	85.8	49.2
07:00 p.m. - 08:00 p.m.	51.2	63.0	49.0
08:00 p.m. - 09:00 p.m.	56.0	81.6	49.2
09:00 p.m. - 10:00 p.m.	52.6	76.0	49.6
10:00 p.m. - 11:00 p.m.	53.8	78.9	50.1
11:00 p.m. - 00:00 p.m.	51.5	70.0	49.0
00:00 p.m. - 01:00 a.m.	50.7	65.2	48.8
01:00 a.m. - 02:00 a.m.	53.2	71.9	49.7
02:00 a.m. - 03:00 a.m.	53.8	78.4	49.1
03:00 a.m. - 04:00 a.m.	50.4	57.3	48.5
04:00 a.m. - 05:00 a.m.	50.7	63.9	48.6
05:00 a.m. - 06:00 a.m.	51.7	67.3	49.1
06:00 a.m. - 07:00 a.m.	51.7	64.1	49.5
07:00 a.m. - 08:00 a.m.	52.6	65.7	49.5
08:00 a.m. - 09:00 a.m.	54.7	73.4	48.8
09:00 a.m. - 10:00 a.m.	64.1	86.4	49.9
10:00 a.m. - 11:00 a.m.	56.3	82.5	49.0
11:00 a.m. - 12:00 a.m.	53.4	74.4	49.6
12:00 a.m. - 01:00 p.m.	52.1	69.6	48.7
01:00 p.m. - 02:00 p.m.	66.1	100.3	51.3
24 Hours Measured	57.6	100.3	49.6
Standard <sup>1)</sup>	<70	<115	-
Evaluation	pass	pass	-
Ldn	60.6	-	-

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

PACIFIC LABORATORY CO., LTD.  
  
 Lab. Supervisor



## ANALYSIS REPORT

Analysis No. : NH 057/2566

Job No. : PCL 0393/66

Report Date : May 8, 2023

Customer Name : บริษัท โอจี ฟู้ดส์ (ไทยแลนด์) จำกัด  
 Address : เลขที่ 150/68 หมู่ที่ 9 นิคมอุตสาหกรรมปิ่นทอง 2 ตำบลหนองแขม อำเภอศรีราชา จังหวัดชลบุรี 20110  
 Sampling Source : Community Noise  
 Sampling Location : ฟิชโต้ (บริเวณหลังร้าน Emer)  
 Measured Date : April 24-25, 2023  
 Measured Instrument : Sound Level Meter ACO Type 6226 Serial Number 200036

Interval Time	Noise Level (dBA)		
	Leq	Lmax	L90
02:00 p.m. - 03:00 p.m.	53.3	71.5	51.5
03:00 p.m. - 04:00 p.m.	53.4	80.4	50.3
04:00 p.m. - 05:00 p.m.	59.7	90.2	53.6
05:00 p.m. - 06:00 p.m.	63.3	85.5	52.1
06:00 p.m. - 07:00 p.m.	62.7	83.2	53.2
07:00 p.m. - 08:00 p.m.	55.2	78.6	52.9
08:00 p.m. - 09:00 p.m.	54.7	76.6	52.5
09:00 p.m. - 10:00 p.m.	54.1	70.3	52.0
10:00 p.m. - 11:00 p.m.	53.0	69.0	51.1
11:00 p.m. - 00:00 p.m.	53.4	71.3	51.4
00:00 p.m. - 01:00 a.m.	51.3	68.9	49.2
01:00 a.m. - 02:00 a.m.	54.1	73.3	51.9
02:00 a.m. - 03:00 a.m.	54.7	75.2	52.8
03:00 a.m. - 04:00 a.m.	54.5	76.3	52.7
04:00 a.m. - 05:00 a.m.	54.4	70.0	52.3
05:00 a.m. - 06:00 a.m.	58.8	85.9	50.8
06:00 a.m. - 07:00 a.m.	62.1	87.7	52.8
07:00 a.m. - 08:00 a.m.	54.8	74.4	52.0
08:00 a.m. - 09:00 a.m.	53.6	72.0	51.0
09:00 a.m. - 10:00 a.m.	53.5	69.4	51.1
10:00 a.m. - 11:00 a.m.	52.7	71.6	50.2
11:00 a.m. - 12:00 a.m.	51.5	69.4	48.9
12:00 a.m. - 01:00 p.m.	50.9	68.4	48.1
01:00 p.m. - 02:00 p.m.	51.5	65.6	49.3
24 Hours Measured	56.9	90.2	51.6
Standard <sup>1)</sup>	<70	<115	-
Evaluation	pass	pass	-
Ldn	61.7	-	-

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

PACIFIC LABORATORY CO., LTD.  
  
 Lab. Supervisor

## ANALYSIS REPORT

Analysis No. : NH 057/2566

Job No. : PCL 0393/66

Report Date : May 8, 2023

Customer Name : บริษัท โลจิสติกส์ (ไทยแลนด์) จำกัด  
 Address : เลขที่ 150/68 หมู่ที่ 9 นิคมอุตสาหกรรมเป็นทอง 2 ตำบลหนองขาโม อำเภอศรีราชา จังหวัดชลบุรี 20110  
 Sampling Source : Community Noise  
 Sampling Location : ที่วัด (บริเวณหลังสนาม Emer)  
 Measured Date : April 26-27, 2023  
 Measured Instrument : Sound Level Meter ACO Type 6226 Serial Number 200038

Interval Time	Noise Level (dBA)		
	Leq	Lmax	L90
02:00 p.m. - 03:00 p.m.	57.3	72.5	52.9
03:00 p.m. - 04:00 p.m.	55.3	77.6	51.6
04:00 p.m. - 05:00 p.m.	55.1	79.0	50.8
05:00 p.m. - 06:00 p.m.	52.3	79.2	49.6
06:00 p.m. - 07:00 p.m.	53.1	73.2	50.4
07:00 p.m. - 08:00 p.m.	53.1	64.3	50.7
08:00 p.m. - 09:00 p.m.	53.0	79.9	49.9
09:00 p.m. - 10:00 p.m.	52.9	71.6	50.1
10:00 p.m. - 11:00 p.m.	53.7	77.0	50.7
11:00 p.m. - 00:00 p.m.	52.8	66.8	50.6
00:00 p.m. - 01:00 a.m.	50.4	69.5	47.7
01:00 a.m. - 02:00 a.m.	53.6	71.2	51.0
02:00 a.m. - 03:00 a.m.	52.5	73.1	49.8
03:00 a.m. - 04:00 a.m.	52.8	63.6	50.0
04:00 a.m. - 05:00 a.m.	55.8	68.1	52.3
05:00 a.m. - 06:00 a.m.	62.4	85.5	52.1
06:00 a.m. - 07:00 a.m.	55.4	71.3	53.0
07:00 a.m. - 08:00 a.m.	55.0	70.6	51.9
08:00 a.m. - 09:00 a.m.	52.0	72.3	49.6
09:00 a.m. - 10:00 a.m.	52.5	67.7	50.3
10:00 a.m. - 11:00 a.m.	52.9	70.8	50.2
11:00 a.m. - 12:00 a.m.	53.7	75.5	51.1
12:00 a.m. - 01:00 p.m.	51.1	63.6	48.1
01:00 p.m. - 02:00 p.m.	53.5	66.8	51.2
24 Hours Measured	54.8	85.5	50.8
Standard <sup>1)</sup>	≤70	≤115	-
Evaluation	pass	pass	-
Ldn	62.0	-	-

Remark : 1. <sup>1)</sup> Notification of Ministry of Industry on the Prescription of the Values of Annoyance Sound Level and the sound Level caused by Engaging in a Factory Business B.E. 2548 (Dated 27 December B.E. 2540)

PACIFIC  
LABORATORY CO.  
Lab. Supervisor

## ANALYSIS REPORT

Analysis No. : NH 057/2566

Job No. : PCL 0393/66

Report Date : May 8, 2023

Customer Name : บริษัท โอจี ฟู้ดส์ (ไทยแลนด์) จำกัด  
 Address : เลขที่ 150/68 หมู่ที่ 9 นิคมอุตสาหกรรมปิ่นทอง 2 ตำบลหนองขาว อำเภอดงศรีราชา จังหวัดชลบุรี 20110  
 Sampling Source : Community Noise  
 Sampling Location : ที่พักริมทาง (บริเวณสนามฟุตบอล)  
 Measured Date : April 21-22, 2023  
 Measured Instrument : Sound Level Meter ACO Type 6226 Serial Number 170091

Interval Time	Noise Level (dBA)		
	Leq	Lmax	L90
02:00 p.m. - 03:00 p.m.	64.0	77.8	60.4
03:00 p.m. - 04:00 p.m.	63.9	81.3	60.1
04:00 p.m. - 05:00 p.m.	58.9	75.0	56.2
05:00 p.m. - 06:00 p.m.	53.3	65.9	52.5
06:00 p.m. - 07:00 p.m.	53.3	69.6	52.0
07:00 p.m. - 08:00 p.m.	56.1	63.6	53.9
08:00 p.m. - 09:00 p.m.	63.6	79.1	61.2
09:00 p.m. - 10:00 p.m.	64.6	79.2	60.4
10:00 p.m. - 11:00 p.m.	64.3	74.3	60.8
11:00 p.m. - 00:00 p.m.	63.8	77.3	61.1
00:00 p.m. - 01:00 a.m.	56.0	72.7	53.4
01:00 a.m. - 02:00 a.m.	63.0	78.9	61.9
02:00 a.m. - 03:00 a.m.	64.4	78.1	62.1
03:00 a.m. - 04:00 a.m.	65.5	93.5	61.4
04:00 a.m. - 05:00 a.m.	56.7	80.4	53.5
05:00 a.m. - 06:00 a.m.	54.8	66.5	52.3
06:00 a.m. - 07:00 a.m.	55.0	65.2	52.2
07:00 a.m. - 08:00 a.m.	55.1	63.0	52.4
08:00 a.m. - 09:00 a.m.	63.3	81.0	58.9
09:00 a.m. - 10:00 a.m.	63.9	80.3	60.5
10:00 a.m. - 11:00 a.m.	63.1	79.3	59.9
11:00 a.m. - 12:00 a.m.	63.5	88.1	59.6
12:00 a.m. - 01:00 p.m.	59.7	73.4	57.5
01:00 p.m. - 02:00 p.m.	64.3	81.1	59.7
24 Hours Measured	62.3	93.5	58.9
Standard <sup>1)</sup>	≤70	≤115	-
Evaluation	pass	pass	-
Ldn	69.4	-	-

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

PACIFIC LABORATORY CO., LTD.  
  
 Lab Supervisor

## ANALYSIS REPORT

Analysis No. : NH 057/2566

Job No. : PCL 0393/66

Report Date : May 8, 2023

Customer Name : บริษัท โอจี ฟู้ดส์ (ไทยแลนด์) จำกัด  
 Address : เลขที่ 150/68 หมู่ที่ 9 นิคมอุตสาหกรรมปิ่นทอง 2 ตำบลหนองสาม อำเภอศรีราชา จังหวัดชลบุรี 20110  
 Sampling Source : Community Noise  
 Sampling Location : หักกะวันบ่อ (บริเวณสนามฟุตบอล)  
 Measured Date : April 22-23, 2023  
 Measured Instrument : Sound Level Meter ACO Type 6226 Serial Number 170091

Interval Time	Noise Level (dBA)		
	Leq	Lmax	L90
02:00 p.m. - 03:00 p.m.	64.3	83.6	61.2
03:00 p.m. - 04:00 p.m.	64.3	82.4	61.1
04:00 p.m. - 05:00 p.m.	63.0	78.2	60.0
05:00 p.m. - 06:00 p.m.	62.3	79.1	57.4
06:00 p.m. - 07:00 p.m.	62.8	81.0	57.9
07:00 p.m. - 08:00 p.m.	57.4	75.3	54.6
08:00 p.m. - 09:00 p.m.	63.4	81.6	58.9
09:00 p.m. - 10:00 p.m.	63.0	79.9	59.2
10:00 p.m. - 11:00 p.m.	62.7	77.3	59.2
11:00 p.m. - 00:00 p.m.	62.6	76.0	59.2
00:00 p.m. - 01:00 a.m.	59.3	69.8	57.2
01:00 a.m. - 02:00 a.m.	64.4	79.4	59.0
02:00 a.m. - 03:00 a.m.	62.6	73.8	58.7
03:00 a.m. - 04:00 a.m.	63.1	77.8	59.1
04:00 a.m. - 05:00 a.m.	62.7	81.4	59.1
05:00 a.m. - 06:00 a.m.	61.1	78.2	56.8
06:00 a.m. - 07:00 a.m.	63.5	84.4	59.7
07:00 a.m. - 08:00 a.m.	55.9	81.7	53.0
08:00 a.m. - 09:00 a.m.	59.5	82.4	55.0
09:00 a.m. - 10:00 a.m.	61.1	85.0	55.9
10:00 a.m. - 11:00 a.m.	60.1	83.6	55.9
11:00 a.m. - 12:00 a.m.	58.3	78.1	55.5
12:00 a.m. - 01:00 p.m.	56.1	74.5	54.0
01:00 p.m. - 02:00 p.m.	59.7	75.4	56.5
24 Hours Measured	62.0	87.0	58.2
Standard <sup>V</sup>	≤70	≤115	-
Evaluation	pass	pass	-
Ldn	68.9	-	-

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





## ANALYSIS REPORT

Analysis No. : NH 057/2566

Job No. : PCL 0393/66

Report Date : May 8, 2023

Customer Name : บริษัท โอจี ฟู้ดส์ (ไทยแลนด์) จำกัด  
 Address : เลขที่ 150/68 หมู่ที่ 9 นิคมอุตสาหกรรมเป็นทอง 2 ตำบลหนองขาม อำเภยศรีราชา จังหวัดชลบุรี 20110  
 Sampling Source : Community Noise  
 Sampling Location : วัดศรีวันออก (บริเวณสนามฟุตบอล)  
 Measured Date : April 23-24, 2023  
 Measured Instrument : Sound Level Meter ACO Type 6226 Serial Number 170091

Interval Time	Noise Level (dBA)		
	Leq	Lmax	L90
02:00 p.m. - 03:00 p.m.	59.8	76.0	56.1
03:00 p.m. - 04:00 p.m.	57.7	73.3	54.9
04:00 p.m. - 05:00 p.m.	58.7	85.8	55.0
05:00 p.m. - 06:00 p.m.	61.2	69.9	57.7
06:00 p.m. - 07:00 p.m.	60.5	85.1	58.3
07:00 p.m. - 08:00 p.m.	57.1	73.6	53.8
08:00 p.m. - 09:00 p.m.	58.2	73.4	54.8
09:00 p.m. - 10:00 p.m.	59.9	80.3	54.7
10:00 p.m. - 11:00 p.m.	60.2	79.1	54.8
11:00 p.m. - 00:00 p.m.	57.6	75.2	54.1
00:00 p.m. - 01:00 a.m.	53.2	62.6	52.3
01:00 a.m. - 02:00 a.m.	57.3	73.3	54.3
02:00 a.m. - 03:00 a.m.	58.4	76.0	54.9
03:00 a.m. - 04:00 a.m.	58.0	70.4	54.7
04:00 a.m. - 05:00 a.m.	57.5	75.1	54.3
05:00 a.m. - 06:00 a.m.	56.2	75.5	53.9
06:00 a.m. - 07:00 a.m.	59.5	88.2	55.2
07:00 a.m. - 08:00 a.m.	57.3	88.2	53.4
08:00 a.m. - 09:00 a.m.	62.8	84.1	57.5
09:00 a.m. - 10:00 a.m.	64.5	84.8	59.9
10:00 a.m. - 11:00 a.m.	63.0	77.8	59.1
11:00 a.m. - 12:00 a.m.	63.4	86.4	59.2
12:00 a.m. - 01:00 p.m.	59.7	84.1	57.0
01:00 p.m. - 02:00 p.m.	64.7	97.2	59.5
24 Hours Measured	60.3	97.2	56.4
Standard <sup>1)</sup>	≤70	≤115	-
Evaluation	pass	pass	-
Ldn	65.0	-	-

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

PACIFIC LABORATORY CO., LTD.  
  
 Lab. Supervisor

## ANALYSIS REPORT

Analysis No. : NH 057/2566

Job No. : PCL 0393/66

Report Date : May 8, 2023

Customer Name : บริษัท โอจี ฟู้ด (ไทยแลนด์) จำกัด  
 Address : เลขที่ 150/68 หมู่ที่ 9 นิคมอุตสาหกรรมปิ่นทอง 2 ตำบลหนองขาม อำเภอศรีราชา จังหวัดชลบุรี 20110  
 Sampling Source : Community Noise  
 Sampling Location : วัดศรีวันออก (บริเวณสนามฟุตบอล)  
 Measured Date : April 24-25, 2023  
 Measured Instrument : Sound Level Meter ACO Type 6226 Serial Number 170091

Interval Time	Noise Level (dBA)		
	Leq	Lmax	L90
02:00 p.m. - 03:00 p.m.	72.8	85.9	60.2
03:00 p.m. - 04:00 p.m.	72.8	85.9	60.1
04:00 p.m. - 05:00 p.m.	61.9	84.9	58.7
05:00 p.m. - 06:00 p.m.	60.6	84.9	56.8
06:00 p.m. - 07:00 p.m.	60.6	86.7	57.3
07:00 p.m. - 08:00 p.m.	58.1	82.6	55.2
08:00 p.m. - 09:00 p.m.	65.2	85.0	59.8
09:00 p.m. - 10:00 p.m.	65.6	86.2	60.3
10:00 p.m. - 11:00 p.m.	64.0	84.1	59.6
11:00 p.m. - 00:00 p.m.	61.7	77.6	57.9
00:00 p.m. - 01:00 a.m.	57.7	82.2	54.7
01:00 a.m. - 02:00 a.m.	64.5	79.6	59.9
02:00 a.m. - 03:00 a.m.	63.5	77.3	59.5
03:00 a.m. - 04:00 a.m.	64.0	78.6	59.8
04:00 a.m. - 05:00 a.m.	61.1	79.3	57.7
05:00 a.m. - 06:00 a.m.	58.5	76.3	55.7
06:00 a.m. - 07:00 a.m.	61.9	80.4	58.2
07:00 a.m. - 08:00 a.m.	58.8	85.9	55.5
08:00 a.m. - 09:00 a.m.	64.1	80.9	58.7
09:00 a.m. - 10:00 a.m.	64.7	86.2	60.1
10:00 a.m. - 11:00 a.m.	64.4	85.4	60.2
11:00 a.m. - 12:00 a.m.	62.5	75.7	59.8
12:00 a.m. - 01:00 p.m.	60.0	89.1	56.5
01:00 p.m. - 02:00 p.m.	65.0	85.4	60.8
24 Hours Measured	65.2	89.1	58.8
Standard <sup>1</sup>	≤70	≤115	-
Evaluation	pass	pass	-
Ldn	70.0	-	-

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

LABORATORY CO., LTD.  
  
 Lab. Supervisor

## ANALYSIS REPORT

Analysis No. : NH 057/2566  
 Job No. : PCL 0393/66  
 Report Date : May 8, 2023

Customer Name : บริษัท โอจี ฟอรัจ (ไทยแลนด์) จำกัด  
 Address : เลขที่ 150/68 หมู่ที่ 9 นิคมอุตสาหกรรมปิ่นทอง 2 ตำบลหนองขาหย่าง อำเภอลำลูกกา จังหวัดปทุมธานี 20110  
 Sampling Source : Community Noise  
 Sampling Location : หิวดะวันออก (บริเวณสนามฟุตบอล)  
 Measured Date : April 25-26, 2023  
 Measured Instrument : Sound Level Meter ACO Type 6226 Serial Number 170091

Interval Time	Noise Level (dBA)		
	Leq	Lmax	L90
02:00 p.m. - 03:00 p.m.	64.0	77.7	61.0
03:00 p.m. - 04:00 p.m.	63.9	75.5	60.9
04:00 p.m. - 05:00 p.m.	65.9	93.4	63.4
05:00 p.m. - 06:00 p.m.	68.3	96.0	64.3
06:00 p.m. - 07:00 p.m.	80.6	84.2	57.1
07:00 p.m. - 08:00 p.m.	56.7	73.6	54.3
08:00 p.m. - 09:00 p.m.	64.7	83.4	58.8
09:00 p.m. - 10:00 p.m.	63.2	82.9	58.4
10:00 p.m. - 11:00 p.m.	62.9	83.1	58.1
11:00 p.m. - 00:00 p.m.	60.5	85.0	56.4
00:00 p.m. - 01:00 a.m.	56.5	72.3	53.9
01:00 a.m. - 02:00 a.m.	65.7	84.7	59.4
02:00 a.m. - 03:00 a.m.	64.1	82.3	58.6
03:00 a.m. - 04:00 a.m.	65.6	77.4	59.2
04:00 a.m. - 05:00 a.m.	60.4	75.7	56.3
05:00 a.m. - 06:00 a.m.	59.5	77.9	55.6
06:00 a.m. - 07:00 a.m.	61.7	76.4	57.6
07:00 a.m. - 08:00 a.m.	57.8	84.6	54.0
08:00 a.m. - 09:00 a.m.	61.5	82.6	57.1
09:00 a.m. - 10:00 a.m.	63.8	84.1	58.9
10:00 a.m. - 11:00 a.m.	63.6	84.4	59.5
11:00 a.m. - 12:00 a.m.	61.3	79.8	57.4
12:00 a.m. - 01:00 p.m.	60.6	83.9	56.4
01:00 p.m. - 02:00 p.m.	64.3	81.2	60.3
24 Hours Measured	63.3	96.5	59.0
Standard <sup>1)</sup>	≤70	≤115	-
Evaluation	pass	pass	-
Ldn	69.1	-	-

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



Lab. Supervisor

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## ANALYSIS REPORT

Analysis No. : NH 057/2566

Job No. : PCL 0393/66

Report Date : May 8, 2023

Customer Name : บริษัท โอจี ฟู้ดส์ (ไทยแลนด์) จำกัด  
 Address : เลขที่ 150/68 หมู่ที่ 9 นิคมอุตสาหกรรมปิ่นทอง 2 ตำบลหนองปรือ อำเภอศรีราชา จังหวัดชลบุรี 20110  
 Sampling Source : Community Noise  
 Sampling Location : พืชผลข้างนอก (บริเวณสนามฟุตบอล)  
 Measured Date : April 26-27, 2023  
 Measured Instrument : Sound Level Meter ACD Type 6226 Serial Number 170091

Interval Time	Noise Level (dBA)		
	Leq	Lmax	L90
02:00 p.m. - 03:00 p.m.	66.3	75.6	62.7
03:00 p.m. - 04:00 p.m.	66.0	75.6	63.0
04:00 p.m. - 05:00 p.m.	60.6	77.9	57.3
05:00 p.m. - 06:00 p.m.	58.3	74.8	55.0
06:00 p.m. - 07:00 p.m.	61.6	86.1	57.2
07:00 p.m. - 08:00 p.m.	57.3	73.0	54.7
08:00 p.m. - 09:00 p.m.	64.9	85.4	58.7
09:00 p.m. - 10:00 p.m.	64.6	86.0	59.4
10:00 p.m. - 11:00 p.m.	64.3	82.8	59.5
11:00 p.m. - 00:00 p.m.	61.2	76.3	57.7
00:00 p.m. - 01:00 a.m.	56.1	65.9	54.1
01:00 a.m. - 02:00 a.m.	66.2	84.0	60.4
02:00 a.m. - 03:00 a.m.	65.1	86.9	60.3
03:00 a.m. - 04:00 a.m.	64.0	77.2	59.8
04:00 a.m. - 05:00 a.m.	61.4	81.3	57.8
05:00 a.m. - 06:00 a.m.	58.9	85.6	55.2
06:00 a.m. - 07:00 a.m.	61.7	80.6	57.8
07:00 a.m. - 08:00 a.m.	56.8	83.2	53.6
08:00 a.m. - 09:00 a.m.	73.4	90.3	67.0
09:00 a.m. - 10:00 a.m.	74.4	90.3	67.3
10:00 a.m. - 11:00 a.m.	64.6	83.7	61.0
11:00 a.m. - 12:00 a.m.	62.7	87.8	57.8
12:00 a.m. - 01:00 p.m.	57.2	69.6	54.5
01:00 p.m. - 02:00 p.m.	64.4	86.4	60.2
24 Hours Measured	65.9	90.5	60.6
Standard	≤70	≤115	-
Evaluation	pass	pass	-
Ldn	70.5	-	-

Remark : 1. <sup>11</sup> Notification of Ministry of Industry on the Prescription of the Values of Annoyance Sound Level and the sound Level caused by Engaging in a Factory Business B.E. 2548 (Dated 27 December B.E. 2548)





## ANALYSIS REPORT

Analysis No. : NH 057/2566

Job No. : PCL 0393/66

Report Date : May 8, 2023

Customer Name : บริษัท โลจิสติกส์ (ไทยแลนด์) จำกัด  
 Address : เลขที่ 150/68 หมู่ที่ 9 นิคมอุตสาหกรรมปิ่นทอง 2 ตำบลหนองแขม อำเภอศรีราชา จังหวัดชลบุรี 20110  
 Sampling Source : Community Noise  
 Sampling Location : ที่สาธารณะ (บริเวณสนามฟุตบอล)  
 Measured Date : April 27-28, 2023  
 Measured Instrument : Sound Level Meter ACO Type 6226 Serial Number 170091

Interval Time	Noise Level (dBA)		
	Leq	Lmax	L90
02:00 p.m. - 03:00 p.m.	63.8	78.8	59.9
03:00 p.m. - 04:00 p.m.	64.1	78.2	60.3
04:00 p.m. - 05:00 p.m.	61.9	85.2	57.9
05:00 p.m. - 06:00 p.m.	58.5	73.5	55.5
06:00 p.m. - 07:00 p.m.	61.3	81.1	57.5
07:00 p.m. - 08:00 p.m.	58.1	76.9	55.2
08:00 p.m. - 09:00 p.m.	63.8	85.6	58.3
09:00 p.m. - 10:00 p.m.	64.1	78.6	59.3
10:00 p.m. - 11:00 p.m.	63.3	78.4	59.1
11:00 p.m. - 00:00 p.m.	63.2	79.5	58.6
00:00 p.m. - 01:00 a.m.	54.9	74.7	53.0
01:00 a.m. - 02:00 a.m.	65.1	84.1	60.1
02:00 a.m. - 03:00 a.m.	64.3	76.2	60.0
03:00 a.m. - 04:00 a.m.	63.7	80.7	59.6
04:00 a.m. - 05:00 a.m.	63.5	80.0	59.0
05:00 a.m. - 06:00 a.m.	62.7	83.7	56.8
06:00 a.m. - 07:00 a.m.	64.0	80.1	59.5
07:00 a.m. - 08:00 a.m.	58.6	87.2	54.6
08:00 a.m. - 09:00 a.m.	63.9	85.2	58.4
09:00 a.m. - 10:00 a.m.	63.1	82.9	58.0
10:00 a.m. - 11:00 a.m.	63.8	81.9	59.4
11:00 a.m. - 12:00 a.m.	61.3	78.1	57.4
12:00 a.m. - 01:00 p.m.	59.7	82.2	55.9
01:00 p.m. - 02:00 p.m.	61.9	82.2	57.4
24 Hours Measured	62.7	87.2	58.3
Standard <sup>1)</sup>	≤70	≤115	-
Evaluation	pass	pass	-
Ldn	69.6	-	-

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

LABORATORY CO.  
  
 Lab. Supervisor

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REPORT ANALYSIS REFERS TO SUBMITTED SAMPLE (S) ONLY

ภาคผนวก ก-1 หน้า 23/37

## ANALYSIS REPORT

Analysis No. : NH 057/2566  
 Job No. : PCL 0393/66  
 Report Date : May 8, 2023

Customer Name : บริษัท โอจี ฟู้ดส์ (ไทยแลนด์) จำกัด  
 Address : เลขที่ 150/68 หมู่ที่ 9 นิคมอุตสาหกรรมอินทอง 2 ตำบลหนองปรือ อำเภอบางบัวทอง จังหวัดนนทบุรี 20110  
 Sampling Source : Community Noise  
 Sampling Location : ทิศตะวันตก (บริเวณบ่อน้ำ รบ. 1)  
 Measured Date : April 21-22, 2023  
 Measured Instrument : Sound Level Meter ACO Type 6226 Serial Number 200045

Interval Time	Noise Level (dBA)		
	Leq	Lmax	L90
02:00 p.m. - 03:00 p.m.	72.2	85.9	66.7
03:00 p.m. - 04:00 p.m.	72.4	84.3	66.8
04:00 p.m. - 05:00 p.m.	70.4	92.5	64.8
05:00 p.m. - 06:00 p.m.	64.4	85.1	58.0
06:00 p.m. - 07:00 p.m.	62.9	79.2	60.0
07:00 p.m. - 08:00 p.m.	70.2	89.7	64.7
08:00 p.m. - 09:00 p.m.	72.9	87.2	67.1
09:00 p.m. - 10:00 p.m.	65.9	82.8	62.5
10:00 p.m. - 11:00 p.m.	66.7	80.9	62.9
11:00 p.m. - 00:00 p.m.	70.0	80.9	64.8
00:00 a.m. - 01:00 a.m.	57.3	78.3	50.4
01:00 a.m. - 02:00 a.m.	70.9	81.4	66.0
02:00 a.m. - 03:00 a.m.	72.0	82.4	66.5
03:00 a.m. - 04:00 a.m.	71.1	81.4	66.3
04:00 a.m. - 05:00 a.m.	61.5	78.8	56.9
05:00 a.m. - 06:00 a.m.	62.2	80.0	57.5
06:00 a.m. - 07:00 a.m.	63.1	79.4	58.7
07:00 a.m. - 08:00 a.m.	68.2	89.0	60.5
08:00 a.m. - 09:00 a.m.	62.3	83.0	55.7
09:00 a.m. - 10:00 a.m.	68.8	81.5	63.7
10:00 a.m. - 11:00 a.m.	69.2	87.1	63.9
11:00 a.m. - 12:00 a.m.	69.1	86.3	67.0
12:00 a.m. - 01:00 p.m.	62.3	87.4	57.2
01:00 p.m. - 02:00 p.m.	69.6	80.1	64.7
24 Hours Measured	68.9	92.5	63.9
Standard <sup>1)</sup>	≤70	≤115	-
Evaluation	pass	pass	-
Ldn	75.0	-	-

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



Lab. Supervisor

## ANALYSIS REPORT

Analysis No. : NH 057/2566

Job No. : PCL 0393/66

Report Date : May 8, 2023

Customer Name : บริษัท โอจี ฟู้ดส์ (ไทยแลนด์) จำกัด  
 Address : เลขที่ 150/68 หมู่ที่ 9 นิคมอุตสาหกรรมปิ่นทอง 2 ตำบลหนองขาม อำเภอศรีราชา จังหวัดชลบุรี 20110  
 Sampling Source : Community Noise  
 Sampling Location : ที่วัดวันตก (บริเวณบึงม รพ. 1)  
 Measured Date : April 22-23, 2023  
 Measured Instrument : Sound Level Meter ACO Type 6226 Serial Number 200045

Interval Time	Noise Level (dBA)		
	Leq	Lmax	L90
02:00 p.m. - 03:00 p.m.	64.3	83.6	61.2
03:00 p.m. - 04:00 p.m.	70.4	83.1	68.0
04:00 p.m. - 05:00 p.m.	68.8	86.7	64.0
05:00 p.m. - 06:00 p.m.	66.3	86.1	60.8
06:00 p.m. - 07:00 p.m.	64.6	89.5	60.6
07:00 p.m. - 08:00 p.m.	72.6	95.1	66.3
08:00 p.m. - 09:00 p.m.	72.3	95.0	66.9
09:00 p.m. - 10:00 p.m.	72.3	90.6	66.9
10:00 p.m. - 11:00 p.m.	71.9	86.3	66.6
11:00 p.m. - 00:00 p.m.	70.0	82.9	65.2
00:00 p.m. - 01:00 a.m.	53.2	73.3	49.6
01:00 a.m. - 02:00 a.m.	71.0	84.6	66.6
02:00 a.m. - 03:00 a.m.	69.6	91.7	64.9
03:00 a.m. - 04:00 a.m.	62.3	90.8	59.0
04:00 a.m. - 05:00 a.m.	67.3	85.4	63.7
05:00 a.m. - 06:00 a.m.	64.2	83.1	59.7
06:00 a.m. - 07:00 a.m.	70.8	81.3	65.8
07:00 a.m. - 08:00 a.m.	68.0	76.7	60.4
08:00 a.m. - 09:00 a.m.	61.4	86.3	49.6
09:00 a.m. - 10:00 a.m.	59.2	85.6	46.3
10:00 a.m. - 11:00 a.m.	57.5	85.3	47.2
11:00 a.m. - 12:00 a.m.	59.3	92.1	47.8
12:00 a.m. - 01:00 p.m.	56.5	80.1	46.0
01:00 p.m. - 02:00 p.m.	59.7	75.4	56.5
24 Hours Measured	68.3	96.7	63.1
Standard <sup>1)</sup>	≤70	≤115	-
Evaluation	pass	pass	-
Ldn	75.4	-	-

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

LABORATORY CO.  
  
 Lab. Supervisor

## ANALYSIS REPORT

Analysis No. : NH 057/2566

Job No. : PCL 0393/66

Report Date : May 8, 2023

Customer Name : บริษัท โอจี ฟร็อก (ไทยแลนด์) จำกัด  
 Address : เลขที่ 150/68 หมู่ที่ 9 นิคมอุตสาหกรรมปิ่นทอง 2 ตำบลหนองขาหย่าง อำเภอกอสุริยา จังหวัดสุพรรณบุรี 20110  
 Sampling Source : Community Noise  
 Sampling Location : ที่สาธารณะ (บริเวณบ่อน้ำ รพ. 1)  
 Measured Date : April 23-24, 2023  
 Measured Instrument : Sound Level Meter ACO Type 6226 Serial Number 200045

Interval Time	Noise Level (dBA)		
	Leq	Lmax	L90
02:00 p.m. - 03:00 p.m.	59.6	76.0	56.1
03:00 p.m. - 04:00 p.m.	57.7	73.3	54.9
04:00 p.m. - 05:00 p.m.	62.2	90.4	48.4
05:00 p.m. - 06:00 p.m.	59.2	85.2	46.8
06:00 p.m. - 07:00 p.m.	58.4	86.9	44.9
07:00 p.m. - 08:00 p.m.	64.4	91.7	44.6
08:00 p.m. - 09:00 p.m.	58.1	79.5	47.1
09:00 p.m. - 10:00 p.m.	51.6	72.2	45.7
10:00 p.m. - 11:00 p.m.	51.7	73.6	45.7
11:00 p.m. - 00:00 p.m.	51.0	73.0	44.8
00:00 p.m. - 01:00 a.m.	50.5	71.5	47.1
01:00 a.m. - 02:00 a.m.	49.7	64.8	48.5
02:00 a.m. - 03:00 a.m.	53.9	73.4	45.9
03:00 a.m. - 04:00 a.m.	53.8	71.1	44.4
04:00 a.m. - 05:00 a.m.	53.7	70.9	45.5
05:00 a.m. - 06:00 a.m.	56.0	79.3	44.8
06:00 a.m. - 07:00 a.m.	62.1	82.9	52.8
07:00 a.m. - 08:00 a.m.	67.5	88.7	60.5
08:00 a.m. - 09:00 a.m.	61.4	82.7	56.8
09:00 a.m. - 10:00 a.m.	62.1	79.1	58.2
10:00 a.m. - 11:00 a.m.	61.8	85.5	58.1
11:00 a.m. - 12:00 a.m.	61.7	83.1	56.8
12:00 a.m. - 01:00 p.m.	60.0	79.9	52.6
01:00 p.m. - 02:00 p.m.	65.9	87.2	60.3
24 Hours Measured	60.7	91.7	54.1
Standard <sup>N</sup>	≤70	≤115	-
Evaluation	pass	pass	-
Ldn	62.6	-	-

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





## ANALYSIS REPORT

Analysis No. : NH 057/2566

Job No. : PCL 0393/66

Report Date : May 8, 2023

Customer Name : บริษัท โอจี พอร์ซ (ไทยแลนด์) จำกัด  
 Address : เลขที่ 150/68 หมู่ที่ 9 นิคมอุตสาหกรรมปิ่นทอง 2 ตำบลหนองสาม อำเภอศรีราชา จังหวัดชลบุรี 20110  
 Sampling Source : Community Noise  
 Sampling Location : ที่สาธารณะ (บริเวณบึง รพ. 1)  
 Measured Date : April 25-26, 2023  
 Measured Instrument : Sound Level Meter ACO Type 6226 Serial Number 200045

Interval Time	Noise Level (dBA)		
	Leq	Lmax	L90
02:00 p.m. - 03:00 p.m.	64.0	77.7	60.9
03:00 p.m. - 04:00 p.m.	64.0	82.0	60.8
04:00 p.m. - 05:00 p.m.	73.5	92.4	69.0
05:00 p.m. - 06:00 p.m.	74.8	92.5	70.5
06:00 p.m. - 07:00 p.m.	64.0	92.7	52.8
07:00 p.m. - 08:00 p.m.	67.4	91.9	55.2
08:00 p.m. - 09:00 p.m.	64.8	88.3	59.9
09:00 p.m. - 10:00 p.m.	63.4	83.6	60.2
10:00 p.m. - 11:00 p.m.	60.0	78.1	56.4
11:00 p.m. - 00:00 p.m.	59.7	77.6	56.4
00:00 p.m. - 01:00 a.m.	50.2	76.8	46.2
01:00 a.m. - 02:00 a.m.	59.8	76.7	57.0
02:00 a.m. - 03:00 a.m.	59.7	70.7	56.9
03:00 a.m. - 04:00 a.m.	59.7	73.9	56.6
04:00 a.m. - 05:00 a.m.	60.1	75.9	55.7
05:00 a.m. - 06:00 a.m.	60.6	76.9	54.6
06:00 a.m. - 07:00 a.m.	64.4	87.5	58.3
07:00 a.m. - 08:00 a.m.	69.6	92.9	62.2
08:00 a.m. - 09:00 a.m.	62.9	81.8	56.7
09:00 a.m. - 10:00 a.m.	64.2	82.6	61.7
10:00 a.m. - 11:00 a.m.	63.9	87.2	59.4
11:00 a.m. - 12:00 a.m.	64.7	88.2	59.2
12:00 a.m. - 01:00 p.m.	62.9	85.5	49.5
01:00 p.m. - 02:00 p.m.	62.9	88.6	56.5
24 Hours Measured	66.6	92.9	61.5
Standard <sup>1)</sup>	≤70	≤115	-
Evaluation	pass	pass	-
Ldn	68.9	-	-

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

PACIFIC LABORATORY CO., LTD.  
  
 Lab. Supervisor

## ANALYSIS REPORT

Analysis No. : NH 057/2566

Job No. : PCL 0393/66

Report Date : May 8, 2023

Customer Name : บริษัท โอจี ฟู้ด (ไทยแลนด์) จำกัด  
 Address : เลขที่ 150/68 หมู่ที่ 9 นิคมอุตสาหกรรมบ้านทอ 2 ตำบลหนองปรือ อำเภอบางบาล จังหวัดพระนครศรีอยุธยา 20110  
 Sampling Source : Community Noise  
 Sampling Location : พืชสวน (บริเวณบ่อน้ำ รบ. 1)  
 Measured Date : April 27-28, 2023  
 Measured Instrument : Sound Level Meter ACO Type 6226 Serial Number 200045

Interval Time	Noise Level (dBA)		
	Leg	Lmax	L90
02:00 p.m. - 03:00 p.m.	71.3	83.4	63.6
03:00 p.m. - 04:00 p.m.	72.9	83.7	67.3
04:00 p.m. - 05:00 p.m.	70.1	85.8	64.8
05:00 p.m. - 06:00 p.m.	66.5	95.4	56.7
06:00 p.m. - 07:00 p.m.	62.7	89.0	56.9
07:00 p.m. - 08:00 p.m.	72.3	90.9	65.3
08:00 p.m. - 09:00 p.m.	72.4	95.0	67.2
09:00 p.m. - 10:00 p.m.	72.2	91.3	67.3
10:00 p.m. - 11:00 p.m.	72.6	87.3	67.4
11:00 p.m. - 00:00 p.m.	70.7	94.6	65.3
00:00 p.m. - 01:00 a.m.	55.3	74.2	52.2
01:00 a.m. - 02:00 a.m.	71.8	93.9	66.7
02:00 a.m. - 03:00 a.m.	70.6	89.9	63.8
03:00 a.m. - 04:00 a.m.	64.2	90.6	59.9
04:00 a.m. - 05:00 a.m.	64.0	94.5	58.6
05:00 a.m. - 06:00 a.m.	64.3	87.3	59.5
06:00 a.m. - 07:00 a.m.	71.2	85.0	66.3
07:00 a.m. - 08:00 a.m.	69.3	91.4	63.7
08:00 a.m. - 09:00 a.m.	61.3	85.4	53.2
09:00 a.m. - 10:00 a.m.	60.9	75.0	56.6
10:00 a.m. - 11:00 a.m.	61.8	82.7	56.0
11:00 a.m. - 12:00 a.m.	62.3	75.2	59.1
12:00 a.m. - 01:00 p.m.	61.7	82.5	51.4
01:00 p.m. - 02:00 p.m.	62.9	85.1	60.3
24 Hours Measured	69.1	95.4	63.8
Standard <sup>1)</sup>	<70	<115	-
Evaluation	pass	pass	-
Ldn	75.9	-	-

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



DO NOT COPY PARTIAL OF THIS ANALYSIS REPORT WITHOUT OFFICIAL APPROVAL

REPORT ANALYSIS REFERS TO SUBMITTED SAMPLE (S) ONLY

ภาคผนวก ก-1 หน้า 30/37

## ANALYSIS REPORT

Analysis No. : NH 057/2566

Job No. : PCL 0393/66

Report Date : May 8, 2023

Customer Name : บริษัท โอจี ฟู้ดส์ (ไทยแลนด์) จำกัด  
 Address : เลขที่ 150/68 หมู่ที่ 9 นิคมอุตสาหกรรมบางพลี 2 ตำบลหนองสาม บ้านนอกศรีราชา จังหวัดชลบุรี 20110  
 Sampling Source : Community Noise  
 Sampling Location : บริเวณชุมชนหนองสาม  
 Measured Date : April 21-22, 2023  
 Measured Instrument : Sound Level Meter ACO Type 6226 Serial Number 180048

Interval Time	Noise Level (dBA)		
	Leq	Lmax	L90
07:00 p.m. - 08:00 p.m.	53.1	69.0	48.9
08:00 p.m. - 09:00 p.m.	49.9	71.5	47.9
09:00 p.m. - 10:00 p.m.	55.1	77.2	47.4
10:00 p.m. - 11:00 p.m.	48.1	69.3	45.6
11:00 p.m. - 00:00 p.m.	54.4	84.5	46.1
00:00 p.m. - 01:00 a.m.	47.7	68.1	46.7
01:00 a.m. - 02:00 a.m.	48.7	70.1	46.1
02:00 a.m. - 03:00 a.m.	48.6	72.2	46.2
03:00 a.m. - 04:00 a.m.	48.1	68.2	45.1
04:00 a.m. - 05:00 a.m.	51.5	71.7	45.3
05:00 a.m. - 06:00 a.m.	56.4	71.7	48.1
06:00 a.m. - 07:00 a.m.	54.8	69.2	50.4
07:00 a.m. - 08:00 a.m.	52.7	70.9	49.0
08:00 a.m. - 09:00 a.m.	53.6	69.7	50.1
09:00 a.m. - 10:00 a.m.	56.5	78.4	53.4
10:00 a.m. - 11:00 a.m.	54.4	72.4	51.4
11:00 a.m. - 12:00 a.m.	52.5	80.9	48.5
12:00 a.m. - 01:00 p.m.	48.5	67.3	43.8
01:00 p.m. - 02:00 p.m.	53.4	82.6	49.9
02:00 p.m. - 03:00 p.m.	53.5	69.0	49.5
03:00 p.m. - 04:00 p.m.	52.8	74.0	48.7
04:00 p.m. - 05:00 p.m.	55.8	82.6	48.1
05:00 p.m. - 06:00 p.m.	54.3	80.0	47.2
06:00 p.m. - 07:00 p.m.	54.8	75.6	48.1
24 Hours Measured	53.0	84.5	48.5
Standard <sup>1)</sup>	≤70	≤115	-
Evaluation	pass	pass	-
Ldn	58.4	-	-

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



Lab. Supervisor

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REPORT ANALYSIS REFERS TO SUBMITTED SAMPLE (S) ONLY

## ANALYSIS REPORT

Analysis No. : NH 057/2566

Job No. : PCL 0393/66

Report Date : May 8, 2023

Customer Name : บริษัท โดจี ฟู้ดส์ (ไทยแลนด์) จำกัด  
 Address : เลขที่ 150/68 หมู่ที่ 9 นิคมอุตสาหกรรมบึงทอง 2 ตำบลหนองขาม อำเภอศรีราชา จังหวัดชลบุรี 20110  
 Sampling Source : Community Noise  
 Sampling Location : บริเวณชุมชนหนองขาม  
 Measured Date : April 22-23, 2023  
 Measured Instrument : Sound Level Meter ACO Type 6226 Serial Number 180048

Interval Time	Noise Level (dBA)		
	Leq	Lmax	L90
07:00 p.m. - 08:00 p.m.	51.5	65.9	48.4
08:00 p.m. - 09:00 p.m.	51.1	67.8	48.3
09:00 p.m. - 10:00 p.m.	51.0	68.2	47.7
10:00 p.m. - 11:00 p.m.	49.2	69.0	46.7
11:00 p.m. - 00:00 p.m.	53.4	80.8	44.6
00:00 p.m. - 01:00 a.m.	52.9	80.8	44.0
01:00 a.m. - 02:00 a.m.	47.7	62.4	45.9
02:00 a.m. - 03:00 a.m.	50.3	72.7	46.2
03:00 a.m. - 04:00 a.m.	49.0	70.1	46.1
04:00 a.m. - 05:00 a.m.	52.9	72.4	44.9
05:00 a.m. - 06:00 a.m.	57.5	72.8	47.3
06:00 a.m. - 07:00 a.m.	55.2	77.4	50.4
07:00 a.m. - 08:00 a.m.	55.7	75.8	52.3
08:00 a.m. - 09:00 a.m.	53.2	70.8	49.2
09:00 a.m. - 10:00 a.m.	55.4	72.0	52.6
10:00 a.m. - 11:00 a.m.	53.3	76.9	49.8
11:00 a.m. - 12:00 a.m.	52.2	76.7	46.1
12:00 a.m. - 01:00 p.m.	50.5	69.2	42.5
01:00 p.m. - 02:00 p.m.	51.8	77.4	47.1
02:00 p.m. - 03:00 p.m.	51.3	73.4	48.4
03:00 p.m. - 04:00 p.m.	59.1	92.4	51.7
04:00 p.m. - 05:00 p.m.	62.1	92.4	56.7
05:00 p.m. - 06:00 p.m.	63.9	82.5	60.7
06:00 p.m. - 07:00 p.m.	61.9	82.3	58.3
24 Hours Measured	56.4	92.4	52.0
Standard <sup>1)</sup>	≤70	≤115	-
Evaluation	pass	pass	-
Ldn	60.2	-	-

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

PACIFIC LABORATORY CO., LTD.  
  
 Lab. Supervisor

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REPORT ANALYSIS REFERS TO SUBMITTED SAMPLE (S) ONLY



## ANALYSIS REPORT

Analysis No. : NH 057/2566

Job No. : PCL 0393/66

Report Date : May 8, 2023

Customer Name : บริษัท โอจี ฟอรัจ (ไทยแลนด์) จำกัด  
 Address : เลขที่ 150/68 หมู่ที่ 9 นิคมอุตสาหกรรมปิ่นทอง 2 ตำบลหนองขาหย่าง อำเภอศรีราชา จังหวัดชลบุรี 20110  
 Sampling Source : Community Noise  
 Sampling Location : บริเวณชุมชนหนองขาหย่าง  
 Measured Date : April 23-24, 2023  
 Measured Instrument : Sound Level Meter ACO Type 6226 Serial Number 180048

Interval Time	Noise Level (dBA)		
	Leq	Lmax	L90
07:00 p.m. - 08:00 p.m.	53.3	78.6	50.2
08:00 p.m. - 09:00 p.m.	52.1	76.9	45.0
09:00 p.m. - 10:00 p.m.	54.8	81.7	46.2
10:00 p.m. - 11:00 p.m.	54.2	84.3	45.8
11:00 p.m. - 00:00 p.m.	48.3	76.6	44.2
00:00 p.m. - 01:00 a.m.	49.0	74.3	45.3
01:00 a.m. - 02:00 a.m.	53.2	79.1	44.9
02:00 a.m. - 03:00 a.m.	48.4	81.5	44.3
03:00 a.m. - 04:00 a.m.	57.3	89.9	45.1
04:00 a.m. - 05:00 a.m.	60.8	86.0	48.0
05:00 a.m. - 06:00 a.m.	66.4	85.5	55.9
06:00 a.m. - 07:00 a.m.	66.4	81.3	63.1
07:00 a.m. - 08:00 a.m.	65.9	82.7	63.0
08:00 a.m. - 09:00 a.m.	63.6	82.0	60.7
09:00 a.m. - 10:00 a.m.	63.6	86.6	60.3
10:00 a.m. - 11:00 a.m.	61.8	81.9	57.0
11:00 a.m. - 12:00 a.m.	59.6	81.1	56.3
12:00 a.m. - 01:00 p.m.	59.5	81.3	54.2
01:00 p.m. - 02:00 p.m.	65.3	96.9	57.4
02:00 p.m. - 03:00 p.m.	65.8	92.1	59.0
03:00 p.m. - 04:00 p.m.	64.8	90.7	59.1
04:00 p.m. - 05:00 p.m.	66.7	97.0	61.5
05:00 p.m. - 06:00 p.m.	56.9	80.2	52.6
06:00 p.m. - 07:00 p.m.	54.0	73.6	50.9
24 Hours Measured	62.1	97.0	57.0
Standard <sup>V</sup>	≤70	≤115	-
Evaluation	pass	pass	-
Ldn	66.3	-	-

Remark : 1. <sup>V</sup> 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.  
  
 Lab. Supervisor

## ANALYSIS REPORT

Analysis No. : NH 057/2566

Job No. : PCL 0393/66

Report Date : May 8, 2023

Customer Name : บริษัท โอจี ฟร็อจ (ไทยแลนด์) จำกัด  
 Address : เลขที่ 150/68 หมู่ที่ 9 นิคมอุตสาหกรรมปิ่นทอง 2 ตำบลหนองขาม อำเภอศรีราชา จังหวัดชลบุรี 20110  
 Sampling Source : Community Noise  
 Sampling Location : บริเวณชุมชนหนองขาม  
 Measured Date : April 25-26, 2023  
 Measured Instrument : Sound Level Meter ACO Type 6226 Serial Number 180048

Interval Time	Noise Level (dBA)		
	Leq	Lmax	L90
07:00 p.m. - 08:00 p.m.	53.6	73.3	51.6
08:00 p.m. - 09:00 p.m.	56.2	81.5	50.8
09:00 p.m. - 10:00 p.m.	58.8	75.1	47.5
10:00 p.m. - 11:00 p.m.	48.2	68.2	46.7
11:00 p.m. - 00:00 p.m.	49.5	74.0	47.4
00:00 p.m. - 01:00 a.m.	47.3	56.6	45.9
01:00 a.m. - 02:00 a.m.	50.3	70.2	47.6
02:00 a.m. - 03:00 a.m.	48.9	56.4	47.4
03:00 a.m. - 04:00 a.m.	50.2	61.1	48.5
04:00 a.m. - 05:00 a.m.	53.1	72.8	45.1
05:00 a.m. - 06:00 a.m.	57.4	75.6	47.3
06:00 a.m. - 07:00 a.m.	55.5	70.9	48.6
07:00 a.m. - 08:00 a.m.	55.2	75.1	48.5
08:00 a.m. - 09:00 a.m.	54.7	72.0	51.5
09:00 a.m. - 10:00 a.m.	56.7	78.9	53.1
10:00 a.m. - 11:00 a.m.	57.3	76.3	54.0
11:00 a.m. - 12:00 a.m.	54.8	75.4	51.2
12:00 a.m. - 01:00 p.m.	54.2	76.8	49.8
01:00 p.m. - 02:00 p.m.	55.4	71.8	52.3
02:00 p.m. - 03:00 p.m.	55.5	74.6	52.3
03:00 p.m. - 04:00 p.m.	55.4	74.3	52.1
04:00 p.m. - 05:00 p.m.	53.6	72.4	50.9
05:00 p.m. - 06:00 p.m.	56.9	86.2	53.2
06:00 p.m. - 07:00 p.m.	55.7	72.3	54.2
24 Hours Measured	54.5	86.2	50.7
Standard <sup>1)</sup>	≤70	≤115	-
Evaluation	pass	pass	-
Ldn	59.0	-	-

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

PACIFIC LABORATORY CO., LTD.  
  
 Job Supervisor

## ANALYSIS REPORT

Analysis No. : NH 057/2566  
 Job No. : PCL 0393/66  
 Report Date : May 8, 2023

Customer Name : บริษัท โอจี ฟรังก์ (ไทยแลนด์) จำกัด  
 Address : เลขที่ 150/68 หมู่ที่ 9 นิคมอุตสาหกรรมปิ่นทอง 2 ตำบลหนองสาม อำเภอศรีราชา จังหวัดชลบุรี 20110  
 Sampling Source : Community Noise  
 Sampling Location : บริเวณชุมชนหนองยายจู  
 Measured Date : April 26-27, 2023  
 Measured Instrument : Sound Level Meter ACO Type 6226 Serial Number 180048

Interval Time	Noise Level (dBA)		
	Leq	Lmax	L90
07:00 p.m. - 08:00 p.m.	53.3	74.2	50.9
08:00 p.m. - 09:00 p.m.	50.4	73.0	48.0
09:00 p.m. - 10:00 p.m.	49.9	75.6	43.8
10:00 p.m. - 11:00 p.m.	56.2	87.0	45.7
11:00 p.m. - 00:00 p.m.	47.3	76.3	43.2
00:00 p.m. - 01:00 a.m.	48.2	76.3	43.4
01:00 a.m. - 02:00 a.m.	45.5	64.7	43.0
02:00 a.m. - 03:00 a.m.	48.6	71.5	42.8
03:00 a.m. - 04:00 a.m.	50.6	71.7	45.6
04:00 a.m. - 05:00 a.m.	54.6	73.5	46.7
05:00 a.m. - 06:00 a.m.	57.1	73.8	47.8
06:00 a.m. - 07:00 a.m.	53.9	72.0	48.9
07:00 a.m. - 08:00 a.m.	53.0	71.7	47.2
08:00 a.m. - 09:00 a.m.	55.8	86.3	50.2
09:00 a.m. - 10:00 a.m.	55.1	68.6	52.1
10:00 a.m. - 11:00 a.m.	54.9	71.6	52.1
11:00 a.m. - 12:00 a.m.	55.0	67.8	52.9
12:00 a.m. - 01:00 p.m.	52.7	76.9	49.0
01:00 p.m. - 02:00 p.m.	55.8	75.7	52.2
02:00 p.m. - 03:00 p.m.	59.2	86.7	51.6
03:00 p.m. - 04:00 p.m.	54.6	75.3	51.1
04:00 p.m. - 05:00 p.m.	69.1	95.2	50.8
05:00 p.m. - 06:00 p.m.	66.0	94.4	51.2
06:00 p.m. - 07:00 p.m.	53.3	71.2	51.1
24 Hours Measured	58.7	95.2	49.5
Standard <sup>1)</sup>	≤70	≤115	-
Evaluation	pass	pass	-
Ldn	61.3	-	-

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





## ANALYSIS REPORT

Analysis No. : NH 057/2566

Job No. : PCL 0393/66

Report Date : May 8, 2023

Customer Name : บริษัท โอจี ฟร็อก (ไทยแลนด์) จำกัด  
 Address : เลขที่ 150/68 หมู่ที่ 9 นิคมอุตสาหกรรมปิ่นทอง 2 ตำบลหนองแขม อำเภอศรีราชา จังหวัดชลบุรี 20110  
 Sampling Source : Community Noise  
 Sampling Location : บริเวณชุมชนหนองยายปู  
 Measured Date : April 27-28, 2023  
 Measured Instrument : Sound Level Meter ACO Type 6226 Serial Number 180048

Interval Time	Noise Level (dBA)		
	Leq	Lmax	L90
07:00 p.m. - 08:00 p.m.	46.9	70.8	43.2
08:00 p.m. - 09:00 p.m.	49.3	74.3	44.5
09:00 p.m. - 10:00 p.m.	48.9	70.2	44.3
10:00 p.m. - 11:00 p.m.	52.6	76.1	46.4
11:00 p.m. - 00:00 p.m.	52.2	75.9	44.8
00:00 p.m. - 01:00 a.m.	44.5	70.2	39.6
01:00 a.m. - 02:00 a.m.	46.1	67.1	45.6
02:00 a.m. - 03:00 a.m.	47.3	58.0	44.7
03:00 a.m. - 04:00 a.m.	51.0	77.2	45.7
04:00 a.m. - 05:00 a.m.	53.5	72.4	45.1
05:00 a.m. - 06:00 a.m.	56.6	72.1	48.5
06:00 a.m. - 07:00 a.m.	55.9	71.8	51.7
07:00 a.m. - 08:00 a.m.	55.2	72.4	50.9
08:00 a.m. - 09:00 a.m.	55.0	74.4	51.6
09:00 a.m. - 10:00 a.m.	55.6	70.3	52.8
10:00 a.m. - 11:00 a.m.	55.1	71.1	52.8
11:00 a.m. - 12:00 a.m.	53.7	71.1	50.8
12:00 a.m. - 01:00 p.m.	50.7	73.6	45.1
01:00 p.m. - 02:00 p.m.	60.9	81.8	57.1
02:00 p.m. - 03:00 p.m.	55.8	80.2	50.8
03:00 p.m. - 04:00 p.m.	53.4	73.6	50.6
04:00 p.m. - 05:00 p.m.	51.8	68.8	49.2
05:00 p.m. - 06:00 p.m.	52.5	66.1	50.3
06:00 p.m. - 07:00 p.m.	50.7	68.4	48.5
24 Hours Measured	55.9	81.8	49.9
Standard <sup>1)</sup>	≤70	≤115	-
Evaluation	pass	pass	-
Ldn	58.8	-	-

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

PACIFIC LABORATORY CO., LTD.  
  
 Lab. Supervisor

DO NOT COPY PARTIAL OF THIS ANALYSIS REPORT WITHOUT OFFICIAL APPROVAL

REPORT ANALYSIS REFERS TO SUBMITTED SAMPLE (S) ONLY

ภาคผนวก ก-1 หน้า 37/37



## ภาคผนวก ค-2

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ใบรายงานผลการตรวจวัดคุณภาพอากาศ  
จากปล่องระบาย

Request No. LA66-0318

Report No. 6603-0165

## TEST REPORT

CUSTOMER : Aichi Forge (Thailand) Co.,Ltd.  
 ADDRESS : 150/68 Pinthong Industrial Estate #2 Moo 9, Nongkham, Sriracha, Chonburi 20230  
 SAMPLE SOURCE : Aichi Forge (Thailand) Co.,Ltd.  
 SAMPLE POINT : Wet Scrubber 4500 ton  
 SAMPLE NO. : 00757  
 SAMPLING DATE : 08/03/2023  
 SAMPLING TIME : 11:11-11:47  
 RECEIVED DATE : 10/03/2023  
 REPORTED DATE : 16/03/2023  
 TESTED DATE : 10-13/03/2023

## STACK DESCRIPTION

Height :	10.00	m	Type of Process :	Exhaust
Diameter :	1.00	m	Type of Fuel :	-
Temperature :	28.00	°C	Oxygen Content :	20.50 %
Air Velocity :	10.63	m/s	Barometric Pressure :	761.50 mmHg
Flow rate <sup>1</sup> :	7.77	m <sup>3</sup> /s	Atmospheric Temperature :	35.00 °C
Moisture Content :	6.20	%		

PARAMETER*	TEST METHOD	TIME	RESULT <sup>2</sup>	STD <sup>1</sup>	UNIT
Particulate (TSP)	Isokinetic, Gravimetric	11:11-11:47	0.8	400	mg/m <sup>3</sup>

REMARK: <sup>1</sup> NOTIFICATION OF THE MINISTRY OF INDUSTRY B.E. 2549 (2006)<sup>2</sup> DRY BASIS ( 25°C, 760 mm.Hg)

\* SAMPLING BY MR. TEERAPONG NAULIN (T-003-T-5620)

Examined



16/03/2023



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By



16/03/2023


REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY  
 THIS REPORT SHALL NOT REPRODUCED EXCEPT IN FULL  
 WITHOUT THE WRITTEN APPROVAL LABORATORY

## ANALYSIS REPORT

Analysis No. : Lab-S 122/2566

Job No. : PCL 0393/66

Report Date : June 21, 2023

Customer Name : บริษัท โอจี พอร์ซ (ไทยแลนด์) จำกัด  
 Address : เลขที่ 150/68 หมู่ที่ 9 นิคมอุตสาหกรรมปิ่นทอง 2 ตำบลหนองแขม อำเภอศรีราชา จังหวัดชลบุรี 20110  
 Sampling Source : ปล่อง Press 1600T Line 2  
 GPS. Coordinate : UTM 47P 0719794 E, 14S0635 N  
 Air Pollution Control System : Bag filter  
 Sampling Time : 10:20 a.m. - 10:56 a.m.  
 Sampling Condition : Good  
 Sampling Method : US. EPA. Method  
 Sampling By :   
 Analyzed By : 

Fuel Type : Non  
 Sampling Date : April 24, 2023  
 Received Date : April 25, 2023  
 Analytical Date : April 25, 2023  
 Sample ID No. : 705/04/66

Item	Description	Unit	Method of Analysis	Result	Standard <sup>1/</sup>	Evaluation <sup>2/</sup>
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	758.15	-	-
5.	Air Velocity	m/s	US. EPA Method 2	4.32	-	-
6.	Flow Rate	m <sup>3</sup> /s	US. EPA Method 2	1.56	-	-
7.	Oxygen Rate	%	US. EPA Method 3	20.90	-	-
8.	Carbon dioxide Rate	%	US. EPA Method 3	<0.10	-	-
9.	Moisture Rate	%	US. EPA Method 4	3.17	-	-
10.	Percent of Isokinetic Rate	%	US. EPA Method 5	99.99	-	-
11.	Particulate <sup>2/</sup>	mg/m <sup>3</sup>	Isokinetic Sampling, Gravimetric Method	9.90	≤400	pass
12.	Sulfur dioxide <sup>2/</sup>	ppm	Absorption Sampling, Barium-Thoron Titrimetric Method	<1.3	≤500	pass
13.	Oxide of Nitrogen as Nitrogen dioxide <sup>2/</sup>	ppm	Absorption Sampling, Phenoldisulfonic Acid Method	<3.8	-	-
14.	Carbon monoxide <sup>2/</sup>	ppm	Instrumental Analyzer Method	2.46	≤870	pass

Remark : 1. <sup>1/</sup> Notification of Ministry of Industry on the Prescription of the Content Values of Air Contaminants Emitted from the Factory B.E. 2549 (Dated 31 October B.E. 2549)  
 2. <sup>2/</sup> Reference condition is 25 degree Celsius at 1 Atmosphere and Dry Basis




## ANALYSIS REPORT

Analysis No. : Lab-5 122/2566

Job No. : PCL 0393/66

Report Date : June 21, 2023

Customer Name : บริษัท โอจี พอร์ซ (ไทยแลนด์) จำกัด  
 Address : เลขที่ 150/68 หมู่ที่ 9 นิคมอุตสาหกรรมปิ่นทอง 2 ตำบลหนองขาม อำเภอศรีราชา จังหวัดชลบุรี 20110  
 Sampling Source : ปล่อง Press 3000T  
 GPS. Coordinate : UTM 47P 0719808 E, 1450653 N  
 Air Pollution Control System : Bag filter  
 Sampling Time : 11:00 a.m. - 11:30 a.m.  
 Sampling Condition : Good  
 Sampling Method : US. EPA. Method  
 Sampling By :   
 Analyzed By : 

Fuel Type : Non  
 Sampling Date : April 24, 2023  
 Received Date : April 25, 2023  
 Analytical Date : April 25, 2023  
 Sample ID No. : 706/04/66

Item	Description	Unit	Method of Analysis	Result	Standard <sup>1/</sup>	Evaluation <sup>2/</sup>
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	758.11	-	-
5.	Air Velocity	m/s	US. EPA Method 2	4.55	-	-
6.	Flow Rate	m <sup>3</sup> /s	US. EPA Method 2	1.64	-	-
7.	Oxygen Rate	%	US. EPA Method 3	20.90	-	-
8.	Carbon dioxide Rate	%	US. EPA Method 3	<0.10	-	-
9.	Moisture Rate	%	US. EPA Method 4	3.18	-	-
10.	Percent of Isokinetic Rate	%	US. EPA Method 5	106.70	-	-
11.	Particulate <sup>2/</sup>	mg/m <sup>3</sup>	Isokinetic Sampling, Gravimetric Method	7.61	≤400	pass
12.	Sulfur dioxide <sup>2/</sup>	ppm	Absorption Sampling, Barium-Thorin Titrimetric Method	<1.3	≤500	pass
13.	Oxide of Nitrogen as Nitrogen dioxide <sup>2/</sup>	ppm	Absorption Sampling, Phenoldisulfuric Acid Method	<3.8	-	-
14.	Carbon monoxide <sup>2/</sup>	ppm	Instrumental Analyzer Method	2.76	≤870	pass

Remark : 1. <sup>1/</sup> Notification of Ministry of Industry on the Prescription of the Content Values of Air Contaminants Emitted from the Factory B.E. 2549 (Dated 31 October B.E. 2549)  
 2. <sup>2/</sup> Reference condition is 25 degree Celsius at 1 Atmosphere and Dry Basis



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## ANALYSIS REPORT

Analysis No. : Lab-5 122/2566

Job No. : PCL 0393/66

Report Date : June 21, 2023

Customer Name : บริษัท โอจี ฟอรัจ (ไทยแลนด์) จำกัด  
 Address : เลขที่ 150/68 หมู่ที่ 9 นิคมอุตสาหกรรมปิ่นทอง 2 ตำบลหนองระดม อำเภอบางบัวทอง จังหวัดนนทบุรี 20110  
 Sampling Source : ปล่อง 5 hot blast 4500T  
 GPS. Coordinate : UTM 47P 0719618 E, 1450592 N  
 Air Pollution Control System : Dust collector  
 Sampling Time : 01:55 p.m. -02:25 p.m.  
 Sampling Condition : Good  
 Sampling Method : US. EPA. Method  
 Sampling By :   
 Analyzed By :

Fuel Type : Non  
 Sampling Date : April 24, 2023  
 Received Date : April 25, 2023  
 Analytical Date : April 25, 2023  
 Sample ID No. : 707/04/66

Item	Description	Unit	Method of Analysis	Result	Standard <sup>1/</sup>	Evaluation <sup>1/</sup>
1.	Stack Height	m	Measuring Tape	8.00	-	-
2.	Stack Diameter	m	Measuring Tape	0.35	-	-
3.	Temperature in Stack	°C	US. EPA Method 2	39.00	-	-
4.	Pressure Stack	mm.Hg	US. EPA Method 2	747.71	-	-
5.	Air Velocity	m/s	US. EPA Method 2	11.24	-	-
6.	Flow Rate	m <sup>3</sup> /s	US. EPA Method 2	1.08	-	-
7.	Oxygen Rate	%	US. EPA Method 5	20.90	-	-
8.	Carbon dioxide Rate	%	US. EPA Method 5	<0.10	-	-
9.	Moisture Rate	%	US. EPA Method 4	3.16	-	-
10.	Percent of Isokinetic Rate	%	US. EPA Method 5	93.90	-	-
11.	Particulate <sup>2/</sup>	mg/m <sup>3</sup>	Isokinetic Sampling, Gravimetric Method	4.33	≤400	pass
12.	Sulfur dioxide <sup>2/</sup>	ppm	Absorption Sampling, Barium-Thoron Titrimetric Method	<1.3	≤500	pass
13.	Carbon monoxide <sup>2/</sup>	ppm	Instrumental Analyzer Method	<1	≤870	pass

Remark : 1. <sup>1/</sup> Notification of Ministry of Industry on the Prescription of the Content Values of Air Contaminants Emitted from the Factory B.E. 2549 (Dated 31 October B.E. 2549)  
 2. <sup>2/</sup> Reference condition is 25 degree Celsius at 1 Atmosphere and Dry Basis.

PACIFIC LABORATORY CO., LTD.  
 Lab. 

## ANALYSIS REPORT

Analysis No. : Lab-S 122/2566

Job No. : PCL 0393/66

Report Date : June 21, 2023

Customer Name : บริษัท โอจี ฟู้ดส์ (ไทยแลนด์) จำกัด  
 Address : เลขที่ 150/68 หมู่ที่ 9 นิคมอุตสาหกรรมปิ่นทอง 2 ตำบลหนองปรือ อำเภอศรีราชา จังหวัดชลบุรี 20110  
 Sampling Source : ปั่น Press 1600T Line 1  
 GPS. Coordinate : UTM 47P 0719797 E, 1450619 N  
 Air Pollution Control System : Bag filter  
 Sampling Time : 02:40 p.m. - 03:10 p.m.  
 Sampling Condition : Good  
 Sampling Method : US. EPA. Method  
 Sampling By :   
 Analyzed By :

Fuel Type : Non  
 Sampling Date : June 12, 2023  
 Received Date : June 13, 2023  
 Analytical Date : June 13, 2023  
 Sample ID No. : 401/06/66

Item	Description	Unit	Method of Analysis	Result	Standard <sup>1)</sup>	Evaluation <sup>1)</sup>
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	34.00	-	-
4.	Pressure Stack	mm.Hg	US. EPA Method 2	757.67	-	-
5.	Air Velocity	m/s	US. EPA Method 2	4.97	-	-
6.	Flow Rate	m <sup>3</sup> /s	US. EPA Method 2	1.79	-	-
7.	Oxygen Rate	%	US. EPA Method 3	20.90	-	-
8.	Carbon dioxide Rate	%	US. EPA Method 3	<0.10	-	-
9.	Moisture Rate	%	US. EPA Method 4	3.84	-	-
10.	Percent of Isokinetic Rate	%	US. EPA Method 5	106.38	-	-
11.	Particulate <sup>2)</sup>	mg/m <sup>3</sup>	Isokinetic Sampling, Gravimetric Method	2.39	≤400	pass
12.	Sulfur dioxide <sup>2)</sup>	ppm	Absorption Sampling, Barium-Thioin Titrimetric Method	<1.3	≤500	pass
13.	Oxide of Nitrogen as Nitrogen dioxide <sup>2)</sup>	ppm	Absorption Sampling, Phenoldisulfonic Acid Method	<3.0	-	-
14.	Carbon monoxide <sup>2)</sup>	ppm	Instrumental Analyzer Method	1.20	≤870	pass

Remark : 1. <sup>1)</sup> Notification of Ministry of Industry on the Prescription of the Content Values of Air Contaminants Emitted from the Factory B.E. 2549 (Dated 31 October B.E. 2549)

2. <sup>2)</sup> Reference condition is 25 degree Celsius at 1 Atmosphere and Dry Basis



## ANALYSIS REPORT

**CUSTOMER NAME** : AICHI FORGE (THAILAND) CO., LTD.  
**ADDRESS** : 150/68 PINTHONG INDUSTRIAL ESTATE 2, MOO 9 NONG KHAM SI RACHA CHON BURI 20110  
**CONTACT INFORMATION** : TEL : 08 4849 9676 e-mail : pakamas.nuc@aichi.co.th  
**SAMPLING SOURCE** : AICHI FORGE (THAILAND) CO., LTD.  
**SAMPLE TYPE** : STACK  
**SAMPLING DATE** : MAY 27, 2023  
**SAMPLING TIME** : 11:00-11:36 HOUR  
**SAMPLING BY** :   
**ANALYZED BY** : 

**RECEIVED DATE** : MAY 29, 2023  
**ANALYTICAL DATE** : MAY 29-JUNE 2, 2023  
**REPORT NO.** : 2023-U045124  
**WORK NO.** : 2023-003572  
**ANALYSIS NO.** : T23AJ837-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT
			แบบ WET SCRUBBER 4500 T T23AJ837-0001 ACTUAL OXYGEN
TOTAL SUSPENDED PARTICULATE	mg/m <sup>3</sup>	ISOKINETIC, GRAVIMETRIC METHOD (US EPA METHOD 5)	3.72
SAMPLE CONDITION			COMPLETE

**REMARK**  
**RESULT** : REFERENCE CONDITION IS 25 DEGREE CELSIUS AT 1 ATMOSPHERE AND DRY BASIS.

  
LABORATORY SUPERVISOR

JUNE 9, 2023



### ภาคผนวก ค-3

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ใบรายงานผลการตรวจวัดคุณภาพสิ่งแวดล้อม  
ในสถานที่ทำงาน



## ANALYSIS REPORT

Analysis No. : Lab-A 104/2566

Job No. : PCL 0393/66

Report Date : May 17, 2023

Customer Name : บริษัท โปธิ ฟอรัจ (ไทยแลนด์) จำกัด

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

Sampling Date : April 24-27, 2023

Received Date : April 28, 2023

Sampling By : Pacific Laboratory Co., Ltd.

Analytical Date : April 28, 2023

Sampling Method : NIOSH, HSE84

Sampling Time : 08:30 a.m. - 05:30 p.m.

Sampling Condition : Good

Sampling Source : Work Place Air

Item	Location	Parameter	Unit	Method of Analysis	Analytical Technique	Result	Standard <sup>1/</sup>	Evaluation <sup>1/</sup>
1.	Forging : เครื่องขึ้นรูป 1600T Line 3 (Main press) - ชุดแม่พิมพ์ รีดขึ้นรูป อายุ 26 ปี อายุงาน 1 ปี	Total dust	mg/m <sup>3</sup>	NIOSH0500	GR	0.678	≤10	pass
		Respirable dust	mg/m <sup>3</sup>	NIOSH0600	GR	0.333	≤3	pass
2.	Forging : เครื่องขึ้นรูป 1600T Line 2 (Main press) - ชุดแม่พิมพ์ คัดขึ้นรูป อายุ 40 ปี อายุงาน 6 ปี	Total dust	mg/m <sup>3</sup>	NIOSH0500	GR	0.595	≤10	pass
		Respirable dust	mg/m <sup>3</sup>	NIOSH0600	GR	0.257	≤3	pass
3.	Forging : เครื่องขึ้นรูป 3000T (Main press) - ชุดแม่พิมพ์ รีดขึ้นรูป อายุ 29 ปี อายุงาน 5 ปี	Total dust	mg/m <sup>3</sup>	NIOSH0500	GR	0.583	≤10	pass
		Respirable dust	mg/m <sup>3</sup>	NIOSH0600	GR	0.267	≤3	pass
4.	4500T : เครื่องขึ้นรูป 4500T (Main press) - ชุดแม่พิมพ์ คัดขึ้นรูป อายุ 28 ปี อายุงาน 4 ปี	Total dust	mg/m <sup>3</sup>	NIOSH0500	GR	0.511	≤10	pass
		Respirable dust	mg/m <sup>3</sup>	NIOSH0600	GR	0.250	≤3	pass
5.	Forging : Screw press No. 1 (Main press) - ชุดแม่พิมพ์ รีดขึ้นรูป อายุ 31 ปี อายุงาน 3 เดือน	Total dust	mg/m <sup>3</sup>	NIOSH0500	GR	0.500	≤10	pass
		Respirable dust	mg/m <sup>3</sup>	NIOSH0600	GR	0.378	≤3	pass
6.	Forging : Screw press No. 2 (Main press) - ชุดแม่พิมพ์ รีดขึ้นรูป อายุ 27 ปี อายุงาน 1 ปี 6 เดือน	Total dust	mg/m <sup>3</sup>	NIOSH0500	GR	0.364	≤10	pass
		Respirable dust	mg/m <sup>3</sup>	NIOSH0600	GR	0.152	≤3	pass

Remark : 1. <sup>1/</sup> ACGH = American Conference of Governmental Industrial Hygienists, 2023

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## ANALYSIS REPORT

Analysis No. : Lab-A 104/2566

Job No. : PCL 0393/66

Report Date : May 17, 2023

Customer Name : บริษัท โอจี ฟอว์จ (ไทยแลนด์) จำกัด

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

Sampling Date : April 24-27, 2023

Received Date : April 28, 2023

Sampling By : Pacific Laboratory Co., Ltd.

Analytical Date : April 28, 2023

Sampling Method : NIOSH, HSE84

Sampling Time : 08:30 a.m. - 05:30 p.m.

Sampling Condition : Good

Sampling Source : Work Place Air

Item	Location	Parameter	Unit	Method of Analysis	Analytical Technique	Result	Standard <sup>1/</sup>	Evaluation <sup>2/</sup>
7.	4500T : เครื่องตีตัว (Shot harrier blast) - ศูนย์รวม ชิ้นที่รวม อายุ 34 ปี อายุงาน 3 ปี 6 เดือน	Total dust	mg/m <sup>3</sup>	NIOSH0500	GR	0.617	≤10	pass
		Oil mist	mg/m <sup>3</sup>	HSE84	GR	1.083	≤5	pass
		Respirable dust	mg/m <sup>3</sup>	NIOSH0600	GR	0.133	≤5	pass
8.	Forging : Cutting line	Oil mist	mg/m <sup>3</sup>	HSE84	GR	0.389	≤5	pass
9.	4500T : Crank (Cutting)	Oil mist	mg/m <sup>3</sup>	HSE84	GR	<0.1	≤5	pass
10.	Forging : MC Screw press	Oil mist	mg/m <sup>3</sup>	HSE84	GR	0.812	≤5	pass
11.	Finishing : CNC Machining line 1	Oil mist	mg/m <sup>3</sup>	HSE84	GR	<0.1	≤5	pass
12.	Finishing : CNC Machining line 2	Oil mist	mg/m <sup>3</sup>	HSE84	GR	<0.1	≤5	pass
13.	Finishing : CNC Machining line 3	Oil mist	mg/m <sup>3</sup>	HSE84	GR	<0.1	≤5	pass
14.	Finishing : CNC Machining line 4	Oil mist	mg/m <sup>3</sup>	HSE84	GR	<0.1	≤5	pass
15.	Finishing : CNC Machining line 5	Oil mist	mg/m <sup>3</sup>	HSE84	GR	<0.1	≤5	pass

Remark : 1. <sup>1/</sup> ACGH = American Conference of Governmental Industrial Hygienist, 2023

LABORATORY CO.

## ANALYSIS REPORT

Analysis No. : Heat 100/2566  
Job No. : PCL 0393/66  
Report Date : May 8, 2023

Customer Name : บริษัท โสภี พลธร (ไทยแลนด์) จำกัด  
Address : เลขที่ 150/68 หมู่ที่ 9 ตำบลพลากรรณารัตน์นอก 2 อำเภอเมืองราชบุรี จังหวัดราชบุรี 20110

Measured Date : April 24-26, 2023

Measured By : Pacific Laboratory Co., Ltd.

Sampling Source : Work Place Air Temperature

Measured Instrument :

Heat Stress Monitor 3M Model WB-300 Serial Number WB0110005, WB080019, WB080020, Heat Stress Monitor Quest Technologies Model QUESTemp 32 Serial Number TPC090036, Heat Stress Monitor Quest Technologies Model QUESTemp 34 Serial Number TED060013, Heat Stress Monitor TSI Model QUESTemp 32 Serial Number TPW020008, Heat Stress Monitor TSI Model OT-34 Serial Number TEW020029, Heat Stress Monitor Metrosnics Model hs-32 Serial Number MCC010001

Item	Location/Similar Exposure Group	Interval Time	Temperature (°C)				Type of Work	Work Load		Evaluation
			T <sub>air</sub>	T <sub>db</sub>	T <sub>g</sub>	WBGT In/Out	WBGT Average	Energy Used (kcal/hr)	Average Energy Used (kcal/hr)	
1.	Forging - เครื่องปั๊มเหล็ก 1600T Line 1 (Main press)	10:00 a.m.-12:00 a.m.	27.8	30.5	36.4	30.4	30.4	225	225	pass
Standard <sup>1)</sup> (Moderate Work Load) = 32.0 WBGT										
2.	Forging - เครื่องปั๊มเหล็ก 1600T Line 2 (Main Press)	10:00 a.m.-12:00 a.m.	27.4	33.0	33.4	29.2	29.2	225	225	pass
Standard <sup>1)</sup> (Moderate Work Load) = 32.0 WBGT										

Remark : 1. T<sub>air</sub> = Nature Wet Bulb Temperature  
2. T<sub>db</sub> = Dry Bulb Temperature  
3. T<sub>g</sub> = Globe Temperature  
4. WBGT = Wet Bulb-Globe Temperature Index

5. <sup>1)</sup> Ministerial Regulation on Standard of Safety Administration and Management, Occupational Health and Environmental Condition concerning Heat, Light and Noise, B.E. 2559 (2016) T.O. 100.1.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, including the duration and the type of business that must be performed. (Dated 8 February B.E. 2563)

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REPORT ANALYSIS REFERS TO SUBMITTED SAMPLE (S) ONLY



## ANALYSIS REPORT

Analysis No. : Heat 100/2566  
 Job No. : PCL 0393/66  
 Report Date : May 8, 2023

Customer Name : บริษัท โกลด์ ฟอส (ประเทศไทย) จำกัด  
 Address : เขต 150/6B หมู่ที่ 9 อากาศอำนวย ตำบลศรีโพธิ์ อำเภอสว่างแดนดิน จังหวัดสกลนคร 61110  
 Measured Date : April 24-28, 2023  
 Measured By : Pacific Laboratory Co., Ltd.  
 Sampling Source : Work Place Air Temperature  
 Measured Instrument : Heat Stress Monitor 3M Model WB-300 Serial Number WBR110005, WBR080019, WBR060020, Heat Stress Monitor Quest Technologies Model QUESTemp 32 Serial Number TPC090036, Heat Stress Monitor Quest Technologies Model QUESTemp 34 Serial Number TED060013, Heat Stress Monitor TSI Model QUESTemp 32 Serial Number TPW020008, Heat Stress Monitor TSI QUEST Model QT-34 Serial Number TEW020029, Heat Stress Monitor Metrosnics Model hs-32 Serial Number MCC010001

การตรวจวัดค่า WBGT วันที่ 4/10

Item	Location/Similar Exposure Group	Interval Time	Temperature (°C)				Type of Work	Work Load		Evaluation
			T <sub>air</sub>	T <sub>wb</sub>	T <sub>g</sub>	WBGT In/Out		Energy Used (Kcal/Hr)	Average Energy Used (Kcal/Hr)	
3.	Forging : เครื่องตีเหล็ก 3000T (Main press)	01:00 p.m.-03:00 p.m.	26.0	34.3	34.6	28.6	การยก แขนงัดขึ้นลงซ้ำๆกัน (120 นาที)	225	225	pass
Standard <sup>1)</sup> (Moderate Work Load) = 32.0 WBGT										
4.	Q300T : เครื่องตีเหล็ก 3000T (Main press)	01:00 p.m.-03:00 p.m.	28.5	31.2	33.2	29.9	การยก แขนงัดขึ้นลงซ้ำๆกัน (120 นาที)	225	225	pass
Standard <sup>1)</sup> (Moderate Work Load) = 32.0 WBGT										

Remark : 1. T<sub>air</sub> : Air Temperature  
 2. T<sub>wb</sub> : Wet Bulb Temperature  
 3. T<sub>g</sub> : Globe Temperature  
 4. WBGT : Wet Bulb Globe Temperature Index  
 5. <sup>1)</sup> Ministerial Regulation on Standard of Safety Administration and Management, Occupational Health and Environmental Condition concerning Heat, Light and Noise, B.E. 2559 (Revised 1 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 including the duration and the type of business that must be performed. (Dated 8 February B.E. 2561)

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## ANALYSIS REPORT

Analysis No. : Heat 100/2566  
Job No. : PCL 0393/66  
Report Date : May 8, 2023

Customer Name : บริษัท โลโก้ ฟอรั่ม (ไทยแลนด์) จำกัด  
Address : เลขที่ 150/68 หมู่ 9 ตำบลเขาหลวง อำเภอเมือง 2 ตำบลหนองปลา อำเภอกมลาไสย จังหวัดกาฬสินธุ์ 20110  
Measured Date : April 24-28, 2023  
Measured By : Pacific Laboratory Co., Ltd.  
Sampling Source : Work Place Air Temperature  
Measured Instrument : Heat Stress Monitor 3M Model WB-300 Serial Number WBR10005, WBR10019, WBR10020, Heat Stress Monitor Quest Technologies Model QUESTemp 32 Serial Number TPC090036, Heat Stress Monitor Quest Technologies Model QUESTemp 34 Serial Number TED060013, Heat Stress Monitor TSI Model QUESTemp 32 Serial Number TPW020008, Heat Stress Monitor TSI Model QT-34 Serial Number TEW020029, Heat Stress Monitor Metrosonics Model hs-32 Serial Number MCC010001

1/5 หน้า 3 จาก 5

Item	Location/Similar Exposure Group	Interval Time	Temperature (°C)				Type of Work	Work Load		Evaluation
			T <sub>amb</sub>	T <sub>db</sub>	T <sub>wb</sub>	WBGT In/Out		Energy Used (Kcal/hr)	Average Energy Used (Kcal/Hr)	
5.	Forging - Screw press No. 1 (Main press)	10:00 a.m.-12:00 a.m.	27.3	33.0	33.2	29.1	การประกอบและขึ้นรูปสกรูด้วยเครื่อง (120 นาที)	225	225	Moderate Work Load pass
Standard <sup>IV</sup> (Moderate Work Load) = 32.0 WBGT										
6.	Forging - Screw press No. 2 (Main press)	10:00 a.m.-12:00 a.m.	27.8	33.2	33.5	29.5	การประกอบและขึ้นรูปสกรูด้วยเครื่อง (120 นาที)	225	225	Moderate Work Load pass
Standard <sup>V</sup> (Moderate Work Load) = 32.0 WBGT										

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

PACIFIC LABORATORY CO., LTD.  
Dr. Gern Booncherd  
License No. 0461-03-2565-0012

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## NOISE EXPOSURE ANALYSIS REPORT

Customer Name : บริษัท โลโก้ สโตร์ (ไทยแลนด์) จำกัด  
Address : เลขที่ 150/68 หมู่ที่ 9 นิคมอุตสาหกรรมบึงทอง 2 ตำบลหนองแขม อำเภอศรีราชา จังหวัดชลบุรี 20110  
Measured By : Pacific Laboratory Co., Ltd.  
Sampling Source : Work-Place Noise

Analysis No. : ND 048/2566  
Job No. : PCL 0393/66  
Report Date : May 8, 2023

Location/Similar Exposure Group	Measure Date	Measured Instrument		Time of performance (hrs.)	Noise Dose (D) (%)	Equivalent sound level that exposed (TWA 8 hrs.) (dBA)	Evaluation
		Model	S/N				
1. Forging : Cutting line 1	26/04/66	EXTECH/SL-800	210100157	8 hrs.	35.95	82.5	pass
2. Forging : Cutting line 2	26/04/66	Soundtek/ST-130	220100161	8 hrs.	38.2	87.6	fail
3. Forging : Cutting line 3	24-25/04/66	Soundtek/ST-130	220100162	8 hrs.	325	86.1	fail
4. 4500T : Crack (Cutting) #2	27/04/66	Soundtek/ST-130	220100153	8 hrs.	36.18	79.9	pass
5. Forging : เครื่องปั๊มเหล็ก 1600T Line 1	24-25/04/66	Soundtek/ST-130	220100150	8 hrs.	390	90.9	fail
Standard <sup>1)</sup> (TWA 8 hrs.)						485	-

Remark : 1.<sup>1)</sup> Notification of Department of labour protection and welfare on the standards Sound levels that allow employee's received an average duration of each work day. (Dated 13 December B.E. 2562)  
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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## NOISE EXPOSURE ANALYSIS REPORT

Analysis No. : ND 048/2566  
Job No. : PCL 0393/66  
Report Date : May 8, 2023

Customer Name : บริษัท โลโก้ ฟอริง (ไทยแลนด์) จำกัด  
Address : เลขที่ 150/68 หมู่ที่ 9 นิคมอุตสาหกรรมเป็นทอง 2 ตำบลหนองแขม อำเภอพระยา จังหวัดบุรีรัมย์ 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 (D) (%)	Equivalent sound level that exposed (TWA 8 hrs.) (dBA)	Evaluation
		Model	S/N				
6. Forging : เครื่องขึ้นรูป 1600T Line 2	24/04/66	Soundtek/ST-130	220100163	8 hrs.	212	88.3	Fail
7. Forging : เครื่องขึ้นรูป 3000T	24/04/66	Cinix Research pl./ CR110A	CB1175	8 hrs.	212	88.3	Fail
8. 4500T : เครื่องขึ้นรูป 4500T	24-25/04/66	Soundtek/ST-130	220100163	8 hrs.	161	87.1	Fail
9. Forging : Screw press No. 1	24/04/66	Soundtek/ST-130	220100150	8 hrs.	335	86.3	Fail
10. Forging : Screw press No. 2	24/04/66	Soundtek/ST-130	220100151	8 hrs.	145	86.6	Fail
Standard <sup>1)</sup> (TWA 8 hrs.)						≤85	-

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

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## NOISE EXPOSURE ANALYSIS REPORT

Customer Name  
Address  
Measured By  
Sampling Source

: บริษัท โกลด์ พลัส (ไทยแลนด์) จำกัด  
: เลขที่ 150/63 หมู่ที่ 9 ถนนอุตสาหกรรมบริเวณที่ 2 ตำบลหนองแขม อำเภอศรีราชา จังหวัดชลบุรี 20110  
: Pacific Laboratory Co., Ltd.  
: Work Place Noise

Analysis No. : ND 045/2566  
Job No. : PCL 0393/66  
Report Date : May 8, 2023

Location/Similar Exposure Group	Measure Date	Measured Instrument		Time of performance (hrs.)	Noise Dose (D) (%)	Equivalent sound level that exposed (TWA 8 hrs.) (dBA)	Evaluation
		Model	S/N				
11. 4500T : เครื่องจักร [REDACTED]	25/04/66	Soundtek/ST-130	220100152	8 hrs	88.63	84.5	pass
12. 4500T : Clark (Magna) [REDACTED]	26/04/66	Soundtek/ST-130	220100153	8 hrs	95.08	84.8	pass
13. Finishing : Knuckle (Magna) #1 [REDACTED]	25-26/04/66	Soundtek/ST-130	220100152	8 hrs	21.17	78.3	pass
14. Finishing : Knuckle (Magna) #2 [REDACTED]	25-26/04/66	Soundtek/ST-130	220100150	8 hrs	100	85.0	pass
Standard <sup>1)</sup> (TWA 8 hrs.)					-	≤85	-

Remark : 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)

PACIFIC  
LABORATORY  
CO., LTD.

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## NOISE EXPOSURE ANALYSIS REPORT

Analysis No. : Noise 111/2565  
 Job No. : PCL 0393/66  
 Report Date : May 8, 2023

Customer Name : บริษัท โลโก้ มาร์เก็ต (ไทยแลนด์) จำกัด  
 Address : เลขที่ 150/68 หมู่ที่ 9 อําเภอบางบัวทอง จังหวัดนนทบุรี 11110  
 Measured By : Pacific Laboratory Co., Ltd.  
 Sampling Source : Work Place Noise

Location/Similar Exposure Group	Measure Date	Measured Instrument		Interval Time	Impulse Noise (dB) (L <sub>peak</sub> )	Evaluation
		Model	S/N			
1. Forging : Cutting line 1	24/04/66	ACO/6236	222166	10:46 a.m. - 03:46 p.m.	127.1	pass
2. Forging : Cutting line 2	24/04/66	ACO/6236	222166	03:49 p.m. - 07:49 p.m.	123.0	pass
3. Forging : Cutting line 3	24/04/66	ACO/6236	222048	03:50 p.m. - 07:50 p.m.	128.8	pass
4. 4500T : Crank (Cutting) #1	27/04/66	ACO/6236	222048	10:55 a.m. - 03:55 p.m.	120.5	pass
5. 4500T : Crank (Cutting) #2	27/04/66	ACO/6236	222016	11:00 a.m. - 04:00 p.m.	121.0	pass
6. Forging : NC Screw press line 1	24/04/66	ACO/6236	222174	03:56 p.m. - 07:56 p.m.	116.1	pass
7. Forging : NC Screw press line 2	24/04/66	ACO/6236	222171	03:57 p.m. - 07:57 p.m.	128.8	pass
8. Forging : NC Screw press line 3	26/04/66	ACO/6236	222048	11:14 a.m. - 04:14 p.m.	127.5	pass
Standard <sup>1)</sup>					≤140	-

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



## NOISE EXPOSURE ANALYSIS REPORT

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

Analysis No. : Noise 111/2565  
 Job No. : PCL 0393/66  
 Report Date : May 8, 2023

Location/Similar Exposure Group	Measure Date	Measured Instrument		Interval Time	Impulse Noise (dBC) (Leak)	Evaluation
		Model	S/N			
9. Finishing : CNC Machining line 1	25/04/66	ACO/6236	222166	11:17 a.m. - 04:17 p.m.	115.6	pass
10. Finishing : CNC Machining line 2	25/04/66	ACO/6236	222171	11:20 a.m. - 04:20 p.m.	112.1	pass
11. Finishing : CNC Machining line 3	25/04/66	ACO/6236	222016	11:21 a.m. - 04:21 p.m.	115.3	pass
12. Finishing : CNC Machining line 4	25/04/66	ACO/6236	222174	11:19 a.m. - 04:19 p.m.	117.4	pass
13. Finishing : CNC Machining line 5	25/04/66	ACO/6236	222166	11:12 a.m. - 04:12 p.m.	119.0	pass
Standard <sup>1)</sup>					≤140	-

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



## ภาคผนวก ค-4

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ใบรายงานผลการตรวจวัดคุณภาพน้ำทิ้ง

## Test Report

Request No : W6601364

Report No : 6601-1965

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 66011356

Sample Name : น้ำจากบ่อบำบัด Septic\*\*

Sampling Date : 17/01/2023\*\*

Sampling By : ETC\*\*

Sampling Time : 8:50 AM\*\*

Sampling Method : Grab\*\*

Received Date : 18/01/2023

Tested Date : 18/01/2023 - 25/01/2023

Reported Date : 31/01/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Biochemical Oxygen Demand *	mg/l	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	13.3	≤500
Chemical Oxygen Demand *	mg/l	Closed Reflux, Titrimetric Method (SM:5220C)	44	≤750
Color (Original) *	ADMI	ADMI Weighted Ordinate Spectrophotometric Method (SM:2120F)	33	≤600
Color (pH 7.0) *	ADMI	ADMI Weighted Ordinate Spectrophotometric Method (SM:2120F)	31	≤600
Oil and Grease *	mg/l	Partition-Gravimetric Method (SM:5520B)	< 3.0	≤10
pH (on site) *		Electrometric Method	7.6	5.5 - 9.0
Temperature *	°C	Laboratory and Field Method	28	≤45
Total Dissolved Solids *	mg/l	Dried at 180 °C (SM:2540C)	372	≤3000

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 TISIL, # - 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 / Mr. Kuwee Suthasub is Technical Management.

4. \* = Test Report/Sampling marked Not Accredited, Sampling By Mr. Songpon Phiwuan (3-003-0-7279)\*

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

Examiner

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WITHOUT THE WRITTEN APPROVAL LABORATORY

Page 1 of 2

เอกสาร R-4 วันที่ 1/24



## Test Report

Request No : W6601364

Report No : 16601-1965

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 66011356

Sample Name : น้ำทิ้งจากโรงงาน Septic\*\*

Sampling Date : 17/01/2023\*\*

Sampling By : ETC\*\*

Sampling Time : 8:50 AM\*\*

Sampling Method : Grab\*\*

Received Date : 18/01/2023

Tested Date : 18/01/2023 - 25/01/2023

Reported Date : 31/01/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Total Kjeldahl Nitrogen *	mg/l as NH <sub>3</sub> -N	Macro Kjeldahl Method (SM:4500-Norg B)	35	≤100
Total Suspended Solids *	mg/l	Dried at 103-105 C (SM:2540D)	6	≤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 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 / Mr. Kawee Suthasub is Technical Management.

4. \* = Test Report/Sampling marked Not Accredited, Sampling By Mr. Songpon Phiwan (T-003-R-7279)\*

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

Examined

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY  
THIS REPORT SHALL NOT REPRODUCED EXCEPT IN FULL  
WITHOUT THE WRITTEN APPROVAL LABORATORY

## Test Report

Request No : W6602377

Report No : 6602-2031

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 66021496

Sample Name : น้ำทิ้งจากถัง Septic\*\*

Sampling Date : 14/02/2023\*\*

Sampling By : ETC\*\*

Sampling Time : 8:40 AM\*\*

Sampling Method : Grab\*\*

Received Date : 15/02/2023

Tested Date : 15/02/2023 - 21/02/2023

Reported Date : 28/02/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Biochemical Oxygen Demand <sup>#</sup>	mg/l	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	< 2.0	≤ 500
Chemical Oxygen Demand <sup>#</sup>	mg/l	Closed Reflux, Titrimetric Method (SM:5220C)	< 40	≤ 750
Color (Original) *	ADMI	ADMI Weighted Ordinate Spectrophotometric Method (SM:2120F)	44	≤ 600
Color (pH 7.0) *	ADMI	ADMI Weighted Ordinate Spectrophotometric Method (SM:2120F)	42	≤ 600
Oil and Grease <sup>#</sup>	mg/l	Partition-Gravimetric Method (SM:5520B)	< 3.0	≤ 10
pH (on site) *		Electrometric Method	8.8	5.5 - 9.0
Temperature *	°C	Laboratory and Field Method	30	≤ 45
Total Dissolved Solids <sup>#</sup>	mg/l	Dried at 180 °C (SM:2540C)	1,116	≤ 3000

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 TISL, # - 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 Apradote Chuen-arom is Section Head / Mr. Kawee Suthasub is Technical Management.

4. \* = Test Report/Sampling marked Not Accredited, Sampling By Mr. Songpon Phiwan (3-003-8-1279)\*

5. \*\* = Test Report/Sampling marked Not Accredited, Sampling By Mr. Songpon Phiwan (3-003-8-1279)\*

Examined

28/02/2023

บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

28/02/2023

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY  
THIS REPORT SHALL NOT REPRODUCED EXCEPT IN FULL  
WITHOUT THE WRITTEN APPROVAL LABORATORY

## Test Report

Request No : W6602377

Report No : 6602-2031

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 66021496

Sample Name : น้ำทิ้งจากโรงงาน Septic\*\*

Sampling Date : 14/02/2023\*\*

Sampling By : ETC\*\*

Sampling Time : 8:40 AM\*\*

Sampling Method : Grab\*\*

Received Date : 15/02/2023

Tested Date : 15/02/2023 - 21/02/2023

Reported Date : 28/02/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Total Kjeldahl Nitrogen *	mg/l as NH <sub>3</sub> -N	Macro Kjeldahl Method (SM:4500 -Norg B)	<5	≤100
Total Suspended Solids *	mg/l	Dried at 103-105 C (SM:2540D)	12	≤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 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 / Mr. Kawee Suthasub is Technical Management.

4. \* = Test Report/Sampling marked Not Accredited., Sampling By Mr. Songpon Phiwan (๖-๐๐3-๖-7279)\*

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

Examined

28/02/2023

บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

28/02/2023

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY  
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WITHOUT THE WRITTEN APPROVAL LABORATORY



## Test Report

Request No : W6603354

Report No : 6603-2008

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 66031493

Sample Name : น้ำจากบ่อบำบัด Septic\*\*

Sampling Date : 14/03/2023\*\*

Sampling By : ETC\*\*

Sampling Time : 8:55 AM\*\*

Sampling Method : Grab\*\*

Received Date : 15/03/2023

Tested Date : 15/03/2023 - 28/03/2023

Reported Date : 30/03/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Biochemical Oxygen Demand <sup>‡</sup>	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	11.3	≤500
Chemical Oxygen Demand <sup>‡</sup>	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	44	≤750
Color (Original) <sup>*</sup>	ADMI	ADMI Weighted Ordinate Spectrophotometric Method (SM:2120F)	29	≤600
Color (pH 7.0) <sup>*</sup>	ADMI	ADMI Weighted Ordinate Spectrophotometric Method (SM:2120F)	27	≤600
Oil and Grease <sup>§</sup>	mg/L	Partition-Gravimetric Method (SM:5520B)	<3.0	≤10
pH (on site) <sup>*</sup>		Electrometric Method	7.3	5.5 - 9.0
Temperature <sup>*</sup>	°C	Laboratory and Field Method	29	≤45
Total Dissolved Solids <sup>‡</sup>	mg/L	Dried at 180 °C (SM:2540C)	372	≤3000

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 / Mr. Kawee Suthasub is Technical Management.  
4. \* = Test Report/Sampling marked Not Accredited, Sampling By Mr. Songpon Phiwan (1-003-R-7279)\*  
5. \*\* = These data are non laboratory data.

Examined

30/03/2023

30/03/2023

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY  
THIS REPORT SHALL NOT REPRODUCED EXCEPT IN FULL  
WITHOUT THE WRITTEN APPROVAL LABORATORY



## Test Report

Request No : W6603354

Report No : 6603-2008

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 66031493

Sample Name : น้ำทิ้งจากถัง Septic\*\*

Sampling Date : 14/03/2023\*\*

Sampling By : ETC\*\*

Sampling Time : 8:55 AM\*\*

Sampling Method : Grab\*\*

Received Date : 15/03/2023

Tested Date : 15/03/2023 - 28/03/2023

Reported Date : 30/03/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Total Kjeldahl Nitrogen *	mg/L as NH <sub>3</sub> -N	Macro Kjeldahl Method (SM:4500-Norg B)	29	≤100
Total Suspended Solids #	mg/L	Dried at 103-105 C (SM:2540D)	< 5	≤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 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 / Mr. Kawee Suthasub is Technical Management.

4. \* = Test Report/Sampling marked Not Accredited, Sampling By Mr. Songpon Phiwan (7-903-0-7279)\*

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

Examined

30/03/2023

บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

30/03/2023

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY  
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Page 2 of 2

เอกสารแนบ ก-4 หน้า 6/24

## Test Report

Request No : W6604419

Report No : 6605-0389

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 66041531

Sample Name : น้ำทิ้งจากโรงงาน Septic\*\*

Sampling Date : 19/04/2023\*\*

Sampling By : ETC\*\*

Sampling Time : 8:30 AM\*\*

Sampling Method : Grab\*\*

Received Date : 20/04/2023

Tested Date : 20/04/2023 - 28/04/2023

Reported Date : 09/05/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Biochemical Oxygen Demand <sup>#</sup>	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	9.5	≤500
Chemical Oxygen Demand <sup>#</sup>	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	< 40	≤750
Color (Original) <sup>*</sup>	ADMI	ADMI Weighted Ordinate Spectrophotometric Method (SM:2120F)	23	≤600
Color (pH 7.0) <sup>*</sup>	ADMI	ADMI Weighted Ordinate Spectrophotometric Method (SM:2120F)	24	≤600
Oil and Grease <sup>@</sup>	mg/L	Partition-Gravimetric Method (SM:5520B)	< 3.0	≤10
pH (on site) <sup>*</sup>		Electrometric Method	7.1	5.5 - 9.0
Temperature <sup>*</sup>	°C	Laboratory and Field Method	33	≤45
Total Dissolved Solids <sup>#</sup>	mg/L	Dried at 180 °C (SM:2540C)	516	≤3000

Physical Appearance : 1. Sample : lightly SS

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

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

2. @ = ISO/IEC 17025:2017 Accredited by TISIL, # = 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 Apiadee Chuen-arom is Section Head / Mr. Kawee Suthasub is Technical Management.

4. \* = Test Report/Sampling marked Not Accredited, Sampling By Miss Jantana Saiphan (1-003-0-7281)\*

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

Examined

09/05/2023

09/05/2023

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY  
THIS REPORT SHALL NOT REPRODUCED EXCEPT IN FULL  
WITHOUT THE WRITTEN APPROVAL LABORATORY

Page 1 of 2

เอกสารนี้ 4 หน้า 7/24

## Test Report

Request No : W6604419

Report No : 6605-0389

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 66041531

Sample Name : น้ำทิ้งจากโรงงาน Septic\*\*

Sampling Date : 19/04/2023\*\*

Sampling By : ETC\*\*

Sampling Time : 8:30 AM\*\*

Sampling Method : Grab\*\*

Received Date : 20/04/2023

Tested Date : 20/04/2023 - 28/04/2023

Reported Date : 09/05/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Total Kjeldahl Nitrogen *	mg/L as NH <sub>3</sub> -N	Macro Kjeldahl Method (SM:4500-Norg B)	23	≤100
Total Suspended Solids #	mg/L	Dried at 103-105 °C (SM:2540D)	<5	≤200

Physical Appearance : 1. Sample : lightly SS

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

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

2. @ = ISO/IEC 17025:2017 Accredited by TISL, # = 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 / Mr. Kawee Suthasub is Technical Management.

4. \* = Test Report/Sampling marked Not Accredited, Sampling By Miss Jantane Saitan (T-003-0-7281)\*

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

Examined By

09/05/2023

09/05/2023

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY  
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WITHOUT THE WRITTEN APPROVAL LABORATORY

Page 2 of 2

วันที่พิมพ์ 8-4 พค 8/24





ACCREDITED  
ISO 9001 / ISO 14001

## EASTERN THAI CONSULTING 1992 CO., LTD.

683 Moo 11 Sukhapibarn 8 Rd., Nongkham, Sriracha, Chonburi 20230  
Tel: 0-3848-1197-8, 0-3876-3031-2 Fax: 0-3848-2095 E-mail: marketing@etc1992.com



TESTING  
No.0150

### Test Report

Request No : W6605405

Report No : 6606-0737

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

Address : 150/68 Pinthong Industrial Estate 02 Moo 9, Nongkham, Sriracha, Chonburi 20230\*\*

Sampling Source : Pinthong Industrial Park 2\*\*

Sample No : W 66051481

Sample Name : น้ำทิ้งจากโรงงาน Septic\*\*

Sampling Date : 16/05/2023\*\*

Sampling By : ETC\*\*

Sampling Time : 8:25 AM\*\*

Sampling Method : Grab\*\*

Received Date : 17/05/2023

Tested Date : 17/05/2023 - 25/05/2023

Reported Date : 12/06/2023

Parameter	Unit	Method	Result	Standard <sup>1)</sup>
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	3.1	≤500
Chemical Oxygen Demand #	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	< 40	≤750
Color (Original) *	ADMI	ADMI Weighted Ordinate Spectrophotometric Method (SM:2120F)	< 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
Total Dissolved Solids #	mg/L	Dried at 180 °C (SM:2540C)	362	≤3000

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 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 Nannaphat Bakhuntod is Technical Management.

4. \* = Test Report/Sampling marked Not Accredited, Sampling By Mr. Parkpoom Buasawad (0-003-0-7280)\*

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

Examined :



12/06/2023

บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

12/06/2023

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY  
THIS REPORT SHALL NOT REPRODUCED EXCEPT IN FULL  
WITHOUT THE WRITTEN APPROVAL LABORATORY





ACCREDITED  
ISO 9001 / ISO 14001

## EASTERN THAI CONSULTING 1992 CO., LTD.

663 Moo 11 Sukhapibarn 8 Rd., Nongkham, Sriracha, Chonburi 20230  
Tel: 0-3848-1197-8, 0-3876-3031-2 Fax: 0-3848-2095 E-mail: marketing@etc1992.com



TESTING  
No.0159

### Test Report

Request No : W6605405

Report No : 6606-0737

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 66051481

Sample Name : น้ำทิ้งจากโรงงาน Septic\*\*

Sampling Date : 16/05/2023\*\*

Sampling By : ETC\*\*

Sampling Time : 8:25 AM\*\*

Sampling Method : Grab\*\*

Received Date : 17/05/2023

Tested Date : 17/05/2023 - 25/05/2023

Reported Date : 12/06/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Total Kjeldahl Nitrogen *	mg/L as NH <sub>3</sub> -N	Macro Kjeldahl Method (SM:4500-Norg B)	5	≤100
Total Suspended Solids †	mg/L	Dried at 103-105 C (SM:2540D)	5	≤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 76 / 2560 (2017)

2. † = 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 Nannaphat Bakhuntod is Technical Management.

4. \* = Test Report/Sampling marked Not Accredited, Sampling By Mr. Parkpoom Buasawad (2-003-6-7280)\*

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

Examined

12/06/2023

บริษัท อีสเทิร์นไทย คอนซัลติ้ง 1992 จำกัด

12/06/2023

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY  
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Page 2 of 2

เอกสารฉบับที่ 4 วันที่ 10/24

## Test Report

Request No : W6606359

Report No : 6607-0321

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 66061438

Sample Name : น้ำทิ้งจากโรงงาน Septic\*\*

Sampling Date : 13/06/2023\*\*

Sampling By : ETC\*\*

Sampling Time : 9:12 AM\*\*

Sampling Method : Grab\*\*

Received Date : 14/06/2023

Tested Date : 14/06/2023 - 21/06/2023

Reported Date : 06/07/2023

Parameter	Unit	Method	Result	Standard <sup>(1)</sup>
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	2.9	≤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	30	≤45
Total Dissolved Solids #	mg/L	Dried at 180 °C (SM:2540C)	452	≤3000

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

3. Miss Apiradee Choen-arom is Section Head / Miss Nunnaphat Bakhumtad is Technical Management.

4. \* = Test Report/Sampling marked Not Accredited, Sampling By Miss Pornpinan Viriyakusolkul (T-003-P-3334)\*

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

Examined

06/07/2023

06/07/2023

บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด  
REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY  
THIS REPORT SHALL NOT REPRODUCED EXCEPT IN FULL  
WITHOUT THE WRITTEN APPROVAL LABORATORY

## Test Report

Request No : W6606359

Report No : 6607-0321

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 66061438

Sample Name : น้ำทิ้งจากบ่อบำบัด Septic\*\*

Sampling Date : 13/06/2023\*\*

Sampling By : ETC\*\*

Sampling Time : 9:12 AM\*\*

Sampling Method : Grab\*\*

Received Date : 14/06/2023

Tested Date : 14/06/2023 - 21/06/2023

Reported Date : 06/07/2023

Parameter	Unit	Method	Result	Standard <sup>1)</sup>
Total Kjeldahl Nitrogen *	mg/L as NH <sub>3</sub> -N	Macro Kjeldahl Method (SM:4500-Norg B)	12	≤100
Total Suspended Solids *	mg/L	Dried at 103-105 C (SM:2540D)	< 5	≤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 76 / 2560 (2017)

2. # - 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 Miss Pornpinan Viriyakusolkul (1-003-0-8334)\*

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

Examined

06/07/2023

Eastern Thai Consulting 1992 Co., Ltd.

06/07/2023

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY  
THIS REPORT SHALL NOT REPRODUCED EXCEPT IN FULL  
WITHOUT THE WRITTEN APPROVAL LABORATORY

## Test Report

Request No : W6601364

Report No : 6601-1967

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

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

Sampling Source : Pinhong Industrial Park 2\*\*

Sample No : W 66011358

Sample Name : น้ำทิ้งจากโรงงาน\*\*

Sampling Date : 17/01/2023\*\*

Sampling By : ETC\*\*

Sampling Time : 8:55 AM\*\*

Sampling Method : Grab\*\*

Received Date : 18/01/2023

Tested Date : 18/01/2023 - 25/01/2023

Reported Date : 31/01/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Biochemical Oxygen Demand <sup>#</sup>	mg/l	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	5.1	≤500
Chemical Oxygen Demand <sup>#</sup>	mg/l	Closed Reflux, Titrimetric Method (SM:5220C)	56	≤750
Color(Original) <sup>*</sup>	ADMI	ADMI Weighted Ordinate Spectrophotometric Method (SM:2120F)	< 20	≤600
Color(pH 7.0) <sup>*</sup>	ADMI	ADMI Weighted Ordinate Spectrophotometric Method (SM:2120F)	< 20	≤600
Lead <sup>#</sup>	mg/l	Digestion, Inductively Coupled Plasma (SM:3030F, 3120B)	< 0.03	≤0.2
Oil and Grease <sup>#</sup>	mg/l	Partition-Gravimetric Method (SM:5520B)	< 3.0	≤10
pH (on site) <sup>*</sup>		Electrometric Method	7.0	5.5 - 9.0

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 TISL, # - 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-arm is Section Head / Mr. Kawee Suthasub is Technical Management.

4. \* = Test Report/Sampling marked Not Accredited, Sampling By Mr. Songpon Phiwuan (7-003-0-7279)\*

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

Examined By

31/01/2023

31/01/2023

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY  
THIS REPORT SHALL NOT REPRODUCED EXCEPT IN FULL  
WITHOUT THE WRITTEN APPROVAL LABORATORY

Page 1 of 2

เอกสารแนบ 4 หน้า 13/24



## Test Report

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

Request No : W6601364

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

Report No : 6601-1967

Sampling Source : Pinthong Industrial Park 2\*\*

Sample No : W 66011358

Sample Name : น้ำทิ้งโรงงานเหล็ก\*\*

Sampling Date : 17/01/2023\*\*

Sampling By : ETC\*\*

Sampling Time : 8:55 AM\*\*

Sampling Method : Grab\*\*

Received Date : 18/01/2023

Tested Date : 18/01/2023 - 25/01/2023

Reported Date : 31/01/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Temperature *	°C	Laboratory and Field Method	30	≤45
Total Dissolved Solids #	mg/l	Dried at 180 °C (SM:2540C)	3,828	≤3000
Total Kjeldahl Nitrogen *	mg/l as NH <sub>3</sub> -N	Macro Kjeldahl Method (SM:4500 -Norg B)	<5	≤100
Total Suspended Solids #	mg/l	Dried at 103-105 °C (SM:2540D)	<5	≤200

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 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 / Mr. Kawee Suthasub is Technical Management.

4. \* = Test Report/Sampling marked Not Accredited, Sampling By Mr. Songpon Phirawan (T-003-0-7279)\*

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

Examined By

31/01/2023

31/01/2023

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY  
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WITHOUT THE WRITTEN APPROVAL LABORATORY

## Test Report

Request No : W6602377

Report No : 6602-2033

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 66021498

Sample Name : น้ำจากคลองระบมคลอง\*\*

Sampling Date : 14/02/2023\*\*

Sampling By : ETC\*\*

Sampling Time : 8:45 AM\*\*

Sampling Method : Grab\*\*

Received Date : 15/02/2023

Tested Date : 15/02/2023 - 23/02/2023

Reported Date : 28/02/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Biochemical Oxygen Demand *	ng/l	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	4.6	≤500
Chemical Oxygen Demand *	ng/l	Closed Reflux, Titrimetric Method (SM:5220C)	53	≤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 <sup>2</sup>	ng/l	Digestion, Inductively Coupled Plasma (SM:3030F, 3120B)	< 0.03	≤0.2
Oil and Grease <sup>3</sup>	ng/l	Partition-Gravimetric Method (SM:5520B)	< 3.0	≤10
pH (on site) *		Electrometric Method	7.8	5.5 - 9.0

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 TISL, # - 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 / Mr. Kawee Suthasub is Technical Management.

4. \* = Test Report/Sampling marked Not Accredited, Sampling By Mr. Songpon Phiwuan (1-003-8-7279)\*

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

Examined :

28/02/2023

28/02/2023

บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด  
REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY  
THIS REPORT SHALL NOT REPRODUCED EXCEPT IN FULL  
WITHOUT THE WRITTEN APPROVAL LABORATORY

## Test Report

Request No : W6602377

Report No : 6602-2033

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 66021498

Sample Name : น้ำทิ้งจากกระบวนการ\*\*

Sampling Date : 14/02/2023\*\*

Sampling By : ETC\*\*

Sampling Time : 8:45 AM\*\*

Sampling Method : Grab\*\*

Received Date : 15/02/2023

Tested Date : 15/02/2023 - 23/02/2023

Reported Date : 28/02/2023

Parameter	Unit	Method	Result	Standard <sup>1/</sup>
Temperature *	°C	Laboratory and Field Method	29	≤45
Total Dissolved Solids #	mg/l	Dried at 180 °C (SM:2540C)	2,682	≤3000
Total Kjeldahl Nitrogen *	mg/l as NH <sub>3</sub> -N	Macro Kjeldahl Method (SM:4500-Norg B)	5	≤100
Total Suspended Solids #	mg/l	Dried at 103-105 °C (SM:2540D)	8	≤200

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 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 Chue-arom is Section Head / Mr. Kawee Suthasub is Technical Management.

4. \* = Test Report/Sampling marked Not Accredited, Sampling By Mr. Songpon Phiwan (3-003-#7279)\*

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

Examined By

28/02/2023

28/02/2023

28/02/2023

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## Test Report

Request No : W6603354

Report No : 6603-2010

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 66031495

Sample Name : น้ำทิ้งจากกระบวนการผลิต\*\*

Sampling Date : 14/03/2023\*\*

Sampling By : ETC\*\*

Sampling Time : 8:50 AM\*\*

Sampling Method : Grab\*\*

Received Date : 15/03/2023

Tested Date : 15/03/2023 - 27/03/2023

Reported Date : 30/03/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Biochemical Oxygen Demand <sup>#</sup>	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	3.2	≤ 500
Chemical Oxygen Demand <sup>#</sup>	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	< 40	≤ 750
Color (Original) <sup>*</sup>	ADMI	ADMI Weighted Ordinate Spectrophotometric Method (SM:2120F)	< 20	≤ 600
Color (pH 7.0) <sup>*</sup>	ADMI	ADMI Weighted Ordinate Spectrophotometric Method (SM:2120F)	< 20	≤ 600
Lead <sup>#</sup>	mg/L	Digestion, Inductively Coupled Plasma (SM:3030F, 3120B)	< 0.03	≤ 0.2
Oil and Grease <sup>#</sup>	mg/L	Partition-Gravimetric Method (SM:5520B)	< 3.0	≤ 10
pH (on site) <sup>*</sup>		Electrometric Method	7.2	5.5 - 9.0

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 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 / Mr. Kawee Suthasub is Technical Management.

4. \* = Test Report/Sampling marked Not Accredited, Sampling By Mr. Songpon Phiwan (3-003-#-1279)\*

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

Examined By

30/03/2023

30/03/2023

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WITHOUT THE WRITTEN APPROVAL LABORATORY



## Test Report

Request No : W6603354

Report No : 6603-2010

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 66031495

Sample Name : น้ำจากกระบวนการผลิต\*\*

Sampling Date : 14/03/2023\*\*

Sampling By : ETC\*\*

Sampling Time : 8:50 AM\*\*

Sampling Method : Grab\*\*

Received Date : 15/03/2023

Tested Date : 15/03/2023 - 27/03/2023

Reported Date : 30/03/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Temperature *	°C	Laboratory and Field Method	29	≤45
Total Dissolved Solids #	mg/L	Dried at 180 °C (SM:2540C)	2,216	≤3000
Total Kjeldahl Nitrogen *	mg/L as NH <sub>3</sub> -N	Macro Kjeldahl Method (SM:4500 -Norg B)	<5	≤100
Total Suspended Solids #	mg/L	Dried at 103-105 °C (SM:2540D)	<5	≤200

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 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 / Mr. Kawee Suthasub is Technical Management.

4. \* = Test Report/Sampling marked Not Accredited, Sampling By Mr. Songpon Phiwan (3-003-N-7279)\*

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

Examined By

30/03/2023

บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

30/03/2023

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Page 2 of 2

เอกสารฉบับที่ 4 หน้า 18/24

## Test Report

Request No : W6604419

Report No : 6605-0391

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 66041533

Sample Name : น้ำจากกระบวนการ\*\*

Sampling Date : 19/04/2023\*\*

Sampling By : ETC\*\*

Sampling Time : 8:35 AM\*\*

Sampling Method : Grab\*\*

Received Date : 20/04/2023

Tested Date : 20/04/2023 - 28/04/2023

Reported Date : 09/05/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Biochemical Oxygen Demand <sup>#</sup>	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	3.2	≤500
Chemical Oxygen Demand <sup>#</sup>	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	<40	≤750
Color(Original) <sup>*</sup>	ADMI	ADMI Weighted Ordinate Spectrophotometric Method (SM:2120F)	<20	≤600
Color(pH 7.0) <sup>*</sup>	ADMI	ADMI Weighted Ordinate Spectrophotometric Method (SM:2120F)	<20	≤600
Lead <sup>@</sup>	mg/L	Digestion, Inductively Coupled Plasma (SM:3030F, 3120B)	<0.03	≤0.2
Oil and Grease <sup>@</sup>	mg/L	Partition-Gravimetric Method (SM:5520B)	<3.0	≤10
pH (on site) <sup>*</sup>		Electrometric Method	6.9	5.5 - 9.0

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. /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 / Mr. Kawee Suthasub is Technical Management.

4. \* - Test Report/Sampling marked Not Accredited, Sampling By Miss Janthanee Saiphon (7-003-8-7281)\*

5. \*\* - These data are non laboratory data.

Examined By

09/05/2023

บริษัท ีเอสทีคอนซัลติง 1992 จำกัด

09/05/2023

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY  
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Page 1 of 2

เอกสาร 4-4 หน้า 19/24

## Test Report

Request No : W6604419

Report No : 6605-0391

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 66041533

Sample Name : น้ำพาสเจอร์ไรซ์\*\*

Sampling Date : 19/04/2023\*\*

Sampling By : ETC\*\*

Sampling Time : 8:35 AM\*\*

Sampling Method : Grab\*\*

Received Date : 20/04/2023

Tested Date : 20/04/2023 - 28/04/2023

Reported Date : 09/05/2023

Parameter	Unit	Method	Result	Standard <sup>1/</sup>
Temperature *	°C	Laboratory and Field Method	32	≤45
Total Dissolved Solids †	mg/L	Dried at 180 °C (SM:2540C)	2,724	≤3000
Total Kjeldahl Nitrogen *	mg/L as NH <sub>3</sub> -N	Macro Kjeldahl Method (SM:4500 -Norg B)	< 5	≤100
Total Suspended Solids †	mg/L	Dried at 103-105 °C (SM:2540D)	< 5	≤200

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.

3. Miss Apiradee Chuen-arom is Section Head / Mr. Kawee Suthasub is Technical Management.

4. \* = Test Report/Sampling marked Not Accredited, Sampling By Miss Janthanee Saiphan (T-003-R-7281)\*

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

Examined

09/05/2023

09/05/2023

09/05/2023

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## Test Report

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

Request No : W6605405

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

Report No : 6606-0739

Sampling Source : Pinthong Industrial Park 2\*\*

Sample No : W 66051483

Sample Name : น้ำทิ้งจากกระบวนการ\*\*

Sampling Date : 16/05/2023\*\*

Sampling By : ETC\*\*

Sampling Time : 8:30 AM\*\*

Sampling Method : Grab\*\*

Received Date : 17/05/2023

Tested Date : 17/05/2023 - 25/05/2023

Reported Date : 12/06/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Biochemical Oxygen Demand †	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	2.6	≤ 500
Chemical Oxygen Demand †	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	57	≤ 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 *	ng/L	Digestion, Inductively Coupled Plasma (SM:3030F, 3120B)	< 0.03	≤ 0.2
Oil and Grease *	ng/L	Partition-Gravimetric Method (SM:5520B)	< 3.0	≤ 10
pH (on site) *		Electrometric Method	7.0	5.5 - 9.0

Physical Appearance : 1. Sample : lightly SS

2. Container : Normal [ PE 0.5 L\*(2 Bottle) , PE 1.0 L , PE 1.8 L, G 0.25 L ]

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

2. # - 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 Bakhunthod is Technical Management.

4. \* = Test Report/Sampling marked Not Accredited, Sampling By Mr. Parkpoom Bussawad (7-003-0-7280)\*

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

Examined



12/06/2023

12/06/2023

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WITHOUT THE WRITTEN APPROVAL LABORATORY



## Test Report

Request No : W6605405

Report No : 6606-0739

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 66051483

Sample Name : น้ำจากสระเก็บน้ำ\*\*

Sampling Date : 16/05/2023\*\*

Sampling By : ETC\*\*

Sampling Time : 8:30 AM\*\*

Sampling Method : Grab\*\*

Received Date : 17/05/2023

Tested Date : 17/05/2023 - 25/05/2023

Reported Date : 12/06/2023

Parameter	Unit	Method	Result	Standard <sup>1/</sup>
Temperature *	°C	Laboratory and Field Method	31	≤45
Total Dissolved Solids *	mg/L	Dried at 180 C (SM:2540C)	2,268	≤3000
Total Kjeldahl Nitrogen *	mg/L as NH <sub>3</sub> -N	Macro Kjeldahl Method (SM:4500 -Norg B)	< 5	≤100
Total Suspended Solids *	mg/L	Dried at 103-105 C (SM:2540D)	< 5	≤200

Physical Appearance : 1. Sample : lightly SS

2. Container : Normal [ PE 0.5 L\*(2 Bottle) , PE 1.0 L , PE 1.8 L, G 0.25 L ]

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

2. # = 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-srom is Section Head / Miss Nunnaphat Bakhuntad is Technical Management.

4. \* = Test Report/Sampling marked Not Accredited, Sampling By Mr. Parkpoom Buasawad (1-003-0-7280)\*

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

Examined

12/06/2023

12/06/2023

REPORTED FOR REFERENCE TO SUBMITTED SAMPLES ONLY  
THIS REPORT SHALL NOT REPRODUCED EXCEPT IN FULL  
WITHOUT THE WRITTEN APPROVAL LABORATORY

## Test Report

Request No : W6606359

Report No : 6607-0323

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 66061440

Sample Name : น้ำจากออกกระทบเคมี\*\*

Sampling Date : 13/06/2023\*\*

Sampling By : ETC\*\*

Sampling Time : 9:17 AM\*\*

Sampling Method : Grab\*\*

Received Date : 14/06/2023

Tested Date : 14/06/2023 - 05/07/2023

Reported Date : 06/07/2023

Parameter	Unit	Method	Result	Standard <sup>(1)</sup>
Biochemical Oxygen Demand *	ng/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	4.0	≤500
Chemical Oxygen Demand *	ng/L	Closed Reflux, Titrimetric Method (SM:5220C)	66	≤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 *	ng/L	Digestion, Inductively Coupled Plasma (SM:3030F, 3120B)	< 0.03	≤0.2
Oil and Grease *	ng/L	Partition-Gravimetric Method (SM:5520B)	< 3.0	≤10
pH (on site) *		Electrometric Method	7.2	5.5 - 9.0

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

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

4. \* = Test Report/Sampling marked Not Accredited, Sampling By Miss Pornpinan Viriyakusolkul (1-003-0-8334)\*

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

Examined By

06/07/2023

06/07/2023

บริษัท เอชทีซีคอนซัลติ้ง 1992 จำกัด  
REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY  
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## Test Report

Request No : W6606359

Report No : 6607-0323

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 66061440

Sample Name : น้ำจากบ่อระบายน้ำ\*\*

Sampling Date : 13/06/2023\*\*

Sampling By : ETC\*\*

Sampling Time : 9:17 AM\*\*

Sampling Method : Grab\*\*

Received Date : 14/06/2023

Tested Date : 14/06/2023 - 05/07/2023

Reported Date : 06/07/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Temperature *	°C	Laboratory and Field Method	31	≤45
Total Dissolved Solids #	mg/L	Dried at 180 °C (SM:2540C)	2,348	≤3000
Total Kjeldahl Nitrogen *	mg/L as NH <sub>3</sub> -N	Macro Kjeldahl Method (SM:4500 -Norg B)	<5	≤100
Total Suspended Solids #	mg/L	Dried at 103-105 °C (SM:2540D)	<5	≤200

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

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

4. \* - Test Report/Sampling marked Not Accredited, Sampling By Miss Pompinan Viriyakusolkul (1-003-8-8334)\*

5. \*\* - These data are non laboratory data.

Examined By

06/07/2023

06/07/2023

06/07/2023

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY  
THIS REPORT SHALL NOT REPRODUCED EXCEPT IN FULL  
WITHOUT THE WRITTEN APPROVAL LABORATORY