

ผลการทดสอบคุณภาพอากาศในปล่องระบาย

Request No. LA66-0821

Report No. 6609-0040

## TEST REPORT

CUSTOMER : Meyer Aluminium (Thailand) Co., Ltd.  
ADDRESS : 38/32 Moo 5 Laem Chabang Industrial Estate, Sriracha, Chonburi  
SAMPLE SOURCE : Meyer Aluminium (Thailand) Co., Ltd.  
SAMPLE POINT : Furnace Stack  
SAMPLING DATE : 18/08/2023 SAMPLE NO. : 04349  
RECEIVED DATE : 23/08/2023 SAMPLING TIME : 17:10-17:15  
TESTED DATE : 23-28/08/2023 REPORTED DATE : 05/09/2023

STACK DESCRIPTION<sup>@</sup>

Height	: 26.32 m	Type of Process	: Combustion
Diameter	: 1.85 m	Type of Fuel	: Natural Gas
Temperature	: 82.00 °C	Oxygen Content	: 18.99 %
Air Velocity	: 10.76 m/s	Barometric Pressure	: 754.00 mm.Hg
Flow rate <sup>2</sup>	: 22.88 m <sup>3</sup> /s	Atmospheric Temperature	: 35.00 °C
Moisture Content	: 5.01 %		

PARAMETER	TEST METHOD	TIME	RESULT <sup>2</sup>		STD <sup>1</sup>	UNIT
			18.99 % O <sub>2</sub>	7 % O <sub>2</sub>		
Oxides of Nitrogen	Absorption, Phenoldisulfonic	17:10-17:15	10.0	72.8	376, 339 <sup>4</sup>	mg/m <sup>3</sup>
(NO <sub>x</sub> as NO <sub>2</sub> )	Acid (U.S. EPA Method 7)		5.3	38.6	200, 180 <sup>4</sup>	ppm
			1.060 <sup>@</sup>	-	3.36 <sup>3</sup>	kg/rai/day

## REMARK:

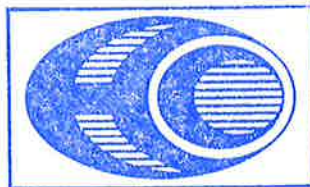
- <sup>1</sup> Notification of The Ministry of Industry B.E. 2549 (2006)
- <sup>2</sup> Standard Condition (Temperature 25°C, Pressure 760 mm.Hg) and Dry Basis
- <sup>3</sup> Notification of Thailand Industrial Estate Authority No.79/2549, (General Industrial Zone)  
Calculate for Factory Area 18.65 Rai Located at Laemchabang Industrial Estate, All Height of Stack ,  
Operation Time 24 Hrs.
- <sup>4</sup> Standard of EIA Report
- <sup>@</sup> These Data Outside The Scope of The Registration of The Department of Industrial Works.
- Sampling By Mr. Meete Sukprasert (จ-003-ค-0035)

Examined By

(Miss Apiradee Chuen-arom)

(จ-003-ค-0007)

05/09/2023



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By

(Mr. Thongchai Boonsak)

(จ-003-ค-0012)

05/09/2023

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

Request No. LA66-0821

Report No. 6609-0038

## TEST REPORT

CUSTOMER : Meyer Aluminium (Thailand) Co., Ltd.  
ADDRESS : 38/32 Moo 5 Laem Chabang Industrial Estate, Sriracha, Chonburi  
SAMPLE SOURCE : Meyer Aluminium (Thailand) Co., Ltd.  
SAMPLE POINT : Furnace Stack  
SAMPLING DATE : 18/08/2023 SAMPLE NO. : 04347  
RECEIVED DATE : 23/08/2023 SAMPLING TIME : 15:40-16:20  
TESTED DATE : 23-28/08/2023 REPORTED DATE : 05/09/2023  
STACK DESCRIPTION<sup>@</sup>

Height	: 26.32 m	Type of Process	: Combustion
Diameter	: 1.85 m	Type of Fuel	: Natural Gas
Temperature	: 82.00 °C	Oxygen Content	: 18.99 %
Air Velocity	: 10.76 m/s	Barometric Pressure	: 754.00 mm.Hg
Flow rate <sup>2</sup>	: 22.88 m <sup>3</sup> /s	Atmospheric Temperature	: 35.00 °C
Moisture Content	: 5.01 %		

PARAMETER	TEST METHOD	TIME	RESULT <sup>2</sup>		STD <sup>1</sup>	UNIT
			18.99 % O <sub>2</sub>	7 % O <sub>2</sub>		
Total Suspended Particulate	Isokinetic, Gravimetric	15:40-16:20	4.1	29.8	240, 150 <sup>4</sup>	mg/m <sup>3</sup>
(TSP)	(U.S. EPA Method 5)		0.435 <sup>@</sup>	-	2.72 <sup>3</sup>	kg/rai/day

**REMARK:**

- <sup>1</sup> Notification of The Ministry of Industry B.E. 2549 (2006)
- <sup>2</sup> Standard Condition (Temperature 25°C, Pressure 760 mm.Hg) and Dry Basis
- <sup>3</sup> Notification of Thailand Industrial Estate Authority No.79/2549, (General Industrial Zone)  
Calculate for Factory Area 18.65 Rai Located at Laemchabang Industrial Estate, All Height of Stack ,  
Operation Time 24 Hrs.
- <sup>4</sup> Standard of EIA Report
- <sup>@</sup> These Data Outside The Scope of The Registration of The Department of Industrial Works.
- Sampling By Mr. Meetee Sukprasert (จ-003-ค-0035)

Examined By



(Miss Apiradee Chuen-arom)

(จ-003-ค-0007)

05/09/2023



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Approved By



(Mr. Thongchai Boonsak)

(จ-003-ค-0012)

05/09/2023

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ผลการทดสอบคุณภาพอากาศในบรรยากาศ

Request No. ATR6608036

Report No. 6608-0575 - 6608-0581

## TEST REPORT

CUSTOMER : Meyer Aluminium (Thailand) Co.,Ltd.  
ADDRESS : 38/32 Moo.5 Laem Chabang Industrial Estate, Sriracha , Chonburi , 20230  
SAMPLE SOURCE : Meyer Aluminium (Thailand) Co.,Ltd.  
SAMPLE NAME : วัดบ้านนา  
RECEIVED DATE : 28/08/2023 SAMPLE NO. : A66080575 - A66080581  
TESTED DATE : 28/08/2023-30/08/2023 REPORTED DATE : 02/09/2023

PARAMETER*	TEST METHOD	SAMPLING DATE	RESULT	STD <sup>1/</sup>	UNIT
Particulate matter less than or Equal					
10 micrometers (PM 10)	Gravimetric Method	17-18/08/2023	0.032	0.12	mg/m <sup>3</sup>
		18-19/08/2023	0.037	0.12	mg/m <sup>3</sup>
		19-20/08/2023	0.042	0.12	mg/m <sup>3</sup>
		20-21/08/2023	0.037	0.12	mg/m <sup>3</sup>
		21-22/08/2023	0.030	0.12	mg/m <sup>3</sup>
		22-23/08/2023	0.024	0.12	mg/m <sup>3</sup>
		23-24/08/2023	0.024	0.12	mg/m <sup>3</sup>

## REMARK:

<sup>1/</sup> Notification of The National Environmental Board Volume 24 B.E.2547 (2004) Standard for 24-hr Average.

\* Parameter Outside The Scope of The Registration of The Department of Industrial Works.

(Sampling By Mr. Tummarat Photankhum)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By 

(Miss Thanatporn Klinsoon)

02/09/2023

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WITHOUT THE WRITTEN APPROVAL LABORATORY

Request No. ATR6608036

Report No. 6608-0568 - 6608-0574

## TEST REPORT

CUSTOMER : Meyer Aluminium (Thailand) Co.,Ltd.  
 ADDRESS : 38/32 Moo.5 Laem Chabang Industrial Estate, Sriracha , Chonburi , 20230  
 SAMPLE SOURCE : Meyer Aluminium (Thailand) Co.,Ltd.  
 SAMPLE NAME : บำบัดน้ำ  
 RECEIVED DATE : 28/08/2023 SAMPLE NO. : A66080568 - A66080574  
 TESTED DATE : 28/08/2023-30/08/2023 REPORTED DATE : 02/09/2023

PARAMETER*	TEST METHOD	SAMPLING DATE	RESULT	STD <sup>1/</sup>	UNIT
Particulate matter less than or Equal					
10 micrometers (PM 10)	Gravimetric Method	17-18/08/2023	0.010	0.12	mg/m <sup>3</sup>
		18-19/08/2023	0.026	0.12	mg/m <sup>3</sup>
		19-20/08/2023	0.033	0.12	mg/m <sup>3</sup>
		20-21/08/2023	0.026	0.12	mg/m <sup>3</sup>
		21-22/08/2023	0.021	0.12	mg/m <sup>3</sup>
		22-23/08/2023	0.018	0.12	mg/m <sup>3</sup>
		23-24/08/2023	0.015	0.12	mg/m <sup>3</sup>

## REMARK:

<sup>1/</sup> Notification of The National Environmental Board Volume 24 B.E.2547 (2004) Standard for 24-hr Average.

\* Parameter Outside The Scope of The Registration of The Department of Industrial Works.

(Sampling By Mr. Tummarat Photankhum)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By

(Miss Thanatporn Klinson)

02/09/2023

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683 หมู่ 11 ต.สุขาภิบาล 8 ต.หนองขาม อ.ศรีราชา จ.ชลบุรี 20230  
 โทร. 0-3848-1197, 0-3876-3031-2 แฟกซ์ : 0-3848-2095  
 เว็บไซต์ : http://www.etc1992.com อี-เมล : info@etc1992.com

ACCREDITED LABORATORY  
 ISO/IEC 17025

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

Request No. LA66-R0862

Report No. R6608-5547 - R6608-5553

## TEST REPORT

CUSTOMER : Meyer Aluminium (Thailand) Co., Ltd.  
 ADDRESS : 38/32 Moo 5 Laem Chabang Industrial Estate, Sriracha, Chonburi 20230  
 SAMPLE SOURCE : Meyer Aluminium (Thailand) Co., Ltd.  
 SAMPLE POINT : วัดบ้านนา  
 PARAMETER\* : Nitrogen Dioxide  
 DETERMINATION METHOD : Chemiluminescence  
 INSTRUMENT : Horiba Model APNA-370 S/N XXSSJ4FM

SAMPLE NO. : 26713-26719  
 SAMPLING DATE : 17-24/08/2023  
 RECEIVED DATE : 24/08/2023  
 REPORTED DATE : 29/08/2023

TIME / DATE	17-18/08/2023	18-19/08/2023	19-20/08/2023	UNIT
12:00 - 13:00 <sup>1/2</sup>	0.008	0.006	0.005	ppm
13:00 - 14:00	0.007	0.007	0.005	ppm
14:00 - 15:00	0.008	0.007	0.005	ppm
15:00 - 16:00	0.006	0.009	0.006	ppm
16:00 - 17:00	0.008	0.010	0.007	ppm
17:00 - 18:00	0.008	0.014	0.011	ppm
18:00 - 19:00	0.002	0.012	0.012	ppm
19:00 - 20:00	0.005	0.012	0.015	ppm
20:00 - 21:00	0.007	0.010	0.013	ppm
21:00 - 22:00	0.007	0.005	0.008	ppm
22:00 - 23:00	0.009	0.004	0.005	ppm
23:00 - 00:00	0.007	0.002	0.005	ppm
00:00 - 01:00	0.006	0.003	0.006	ppm
01:00 - 02:00	0.007	0.007	0.006	ppm
02:00 - 03:00	0.007	0.007	0.006	ppm
03:00 - 04:00	0.008	0.006	0.005	ppm
04:00 - 05:00	0.007	0.003	0.005	ppm
05:00 - 06:00	0.006	0.004	0.005	ppm
06:00 - 07:00	0.011	0.006	0.003	ppm
07:00 - 08:00	0.004	0.006	0.005	ppm
08:00 - 09:00	0.004	0.004	0.005	ppm
09:00 - 10:00	0.005	0.004	0.003	ppm
10:00 - 11:00	0.008	0.004	0.004	ppm
11:00 - 12:00	0.007	0.005	0.004	ppm
Maximum 1 hr.	0.011	0.014	0.015	ppm
Average 24 hr.	0.007	0.006	0.006	ppm
Standard (1 hr.) <sup>1/1</sup>	0.17	0.17	0.17	ppm

REMARK : <sup>1/1</sup> Notification of The National Environmental Board Volume 33 B.E. 2552 (2009)

<sup>1/2</sup> Start Time

\* Parameter Outside The Scope of The Registration of The Department of Industrial Works  
 (Measurement By Mr. Tummarat Photankhum)



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Approved By

(MS. THANATPORN KLINSOPON)

29/08/2023

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Request No. LA66-R0862

Report No. R6608-5547 - R6608-5553

## TEST REPORT

CUSTOMER : Meyer Aluminium (Thailand) Co., Ltd.  
 ADDRESS : 38/32 Moo 5 Laem Chabang Industrial Estate, Sriracha, Chonburi 20230  
 SAMPLE SOURCE : Meyer Aluminium (Thailand) Co., Ltd.  
 SAMPLE POINT : วัดบ้านนา  
 PARAMETER\* : Nitrogen Dioxide  
 DETERMINATION METHOD : Chemiluminescence  
 INSTRUMENT : Horiba Model APNA-370 S/N XXSSJ4FM

SAMPLE NO. : 26713-26719  
 SAMPLING DATE : 17-24/08/2023  
 RECEIVED DATE : 24/08/2023  
 REPORTED DATE : 29/08/2023

TIME / DATE	20-21/08/2023	21-22/08/2023	22-23/08/2023	UNIT
12:00 - 13:00 <sup>12</sup>	0.002	0.006	0.004	ppm
13:00 - 14:00	0.002	0.004	0.003	ppm
14:00 - 15:00	0.002	0.006	0.003	ppm
15:00 - 16:00	0.004	0.006	0.003	ppm
16:00 - 17:00	0.002	0.007	0.001	ppm
17:00 - 18:00	0.007	0.005	0.004	ppm
18:00 - 19:00	0.008	0.007	0.005	ppm
19:00 - 20:00	0.006	0.005	0.005	ppm
20:00 - 21:00	0.007	0.006	0.006	ppm
21:00 - 22:00	0.007	0.005	0.005	ppm
22:00 - 23:00	0.008	0.004	0.005	ppm
23:00 - 00:00	0.008	0.005	0.007	ppm
00:00 - 01:00	0.007	0.004	0.007	ppm
01:00 - 02:00	0.006	0.004	0.007	ppm
02:00 - 03:00	0.004	0.005	0.007	ppm
03:00 - 04:00	0.004	0.005	0.008	ppm
04:00 - 05:00	0.004	0.005	0.010	ppm
05:00 - 06:00	0.007	0.005	0.009	ppm
06:00 - 07:00	0.010	0.009	0.009	ppm
07:00 - 08:00	0.012	0.010	0.010	ppm
08:00 - 09:00	0.020	0.013	0.009	ppm
09:00 - 10:00	0.015	0.007	0.006	ppm
10:00 - 11:00	0.007	0.006	0.003	ppm
11:00 - 12:00	0.004	0.004	0.004	ppm
Maximum 1 hr.	0.020	0.013	0.010	ppm
Average 24 hr.	0.007	0.006	0.006	ppm
Standard (1 hr.) <sup>1/1</sup>	0.17	0.17	0.17	ppm

REMARK : <sup>1/1</sup> Notification of The National Environmental Board Volume 33 B.E. 2552 (2009)<sup>1/2</sup> Start Time

\* Parameter Outside The Scope of The Registration of The Department of Industrial Works  
 (Measurement By Mr. Tummarat Photankhum)



Approved By

(MS. THANATPORN KLINSOPON)

29/08/2023

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 เว็บไซต์ : http://www.etc1992.com อี-เมล : info@etc1992.com

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

Request No. LA66-R0862

Report No. R6608-5547 - R6608-5553

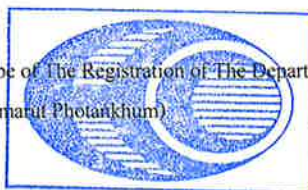
## TEST REPORT

CUSTOMER : Meyer Aluminium (Thailand) Co., Ltd.  
 ADDRESS : 38/32 Moo 5 Laem Chabang Industrial Estate, Sriracha, Chonburi 20230  
 SAMPLE SOURCE : Meyer Aluminium (Thailand) Co., Ltd.  
 SAMPLE POINT : วัดบ้านนา SAMPLE NO. : 26713-26719  
 PARAMETER\* : Nitrogen Dioxide SAMPLING DATE : 17-24/08/2023  
 DETERMINATION METHOD : Chemiluminescence RECEIVED DATE : 24/08/2023  
 INSTRUMENT : Horiba Model APNA-370 S/N XXSSJ4FM REPORTED DATE : 29/08/2023

TIME / DATE	23-24/08/2023	UNIT
12:00 - 13:00 <sup>12</sup>	0.003	ppm
13:00 - 14:00	0.003	ppm
14:00 - 15:00	0.006	ppm
15:00 - 16:00	0.006	ppm
16:00 - 17:00	0.005	ppm
17:00 - 18:00	0.007	ppm
18:00 - 19:00	0.007	ppm
19:00 - 20:00	0.007	ppm
20:00 - 21:00	0.006	ppm
21:00 - 22:00	0.005	ppm
22:00 - 23:00	0.007	ppm
23:00 - 00:00	0.007	ppm
00:00 - 01:00	0.006	ppm
01:00 - 02:00	0.007	ppm
02:00 - 03:00	0.006	ppm
03:00 - 04:00	0.005	ppm
04:00 - 05:00	0.008	ppm
05:00 - 06:00	0.005	ppm
06:00 - 07:00	0.006	ppm
07:00 - 08:00	0.009	ppm
08:00 - 09:00	0.008	ppm
09:00 - 10:00	0.007	ppm
10:00 - 11:00	0.006	ppm
11:00 - 12:00	0.006	ppm
Maximum 1 hr.	0.009	ppm
Average 24 hr.	0.006	ppm
Standard (1 hr.) <sup>11</sup>	0.17	ppm

REMARK : <sup>11</sup> Notification of The National Environmental Board Volume 33 B.E. 2552 (2009)<sup>12</sup> Start Time

\* Parameter Outside The Scope of The Registration of The Department of Industrial Works  
 (Measurement By Mr. Tummarut Photankhum)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By

(MS. THANATPORN KLINSOPON)

29/08/2023

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Request No. LA66-R0862

Report No. R6608-5540 - R6608-5546

## TEST REPORT

CUSTOMER : Meyer Aluminium (Thailand) Co., Ltd.  
ADDRESS : 38/32 Moo 5 Laem Chabang Industrial Estate, Sriracha, Chonburi 20230  
SAMPLE SOURCE : Meyer Aluminium (Thailand) Co., Ltd.  
SAMPLE POINT : บ้านมโนรม SAMPLE NO. : 26706-26712  
PARAMETER\* : Nitrogen Dioxide SAMPLING DATE : 17-24/08/2023  
DETERMINATION METHOD : Chemiluminescence RECEIVED DATE : 24/08/2023  
INSTRUMENT : API Model M200E S/N 3999 REPORTED DATE : 29/08/2023

TIME / DATE	17-18/08/2023	18-19/08/2023	19-20/08/2023	UNIT
11:00 - 12:00 <sup>1/2</sup>	0.005	0.003	0.015	ppm
12:00 - 13:00	0.005	0.005	0.015	ppm
13:00 - 14:00	0.006	0.007	0.011	ppm
14:00 - 15:00	0.006	0.008	0.012	ppm
15:00 - 16:00	0.006	0.009	0.010	ppm
16:00 - 17:00	0.007	0.019	0.012	ppm
17:00 - 18:00	0.011	0.013	0.016	ppm
18:00 - 19:00	0.010	0.021	0.015	ppm
19:00 - 20:00	0.006	0.018	0.013	ppm
20:00 - 21:00	0.004	0.016	0.014	ppm
21:00 - 22:00	0.005	0.017	0.009	ppm
22:00 - 23:00	0.005	0.016	0.008	ppm
23:00 - 00:00	0.004	0.015	0.007	ppm
00:00 - 01:00	0.003	0.014	0.004	ppm
01:00 - 02:00	0.003	0.011	0.004	ppm
02:00 - 03:00	0.004	0.009	0.006	ppm
03:00 - 04:00	0.002	0.010	0.006	ppm
04:00 - 05:00	0.002	0.010	0.006	ppm
05:00 - 06:00	0.001	0.011	0.004	ppm
06:00 - 07:00	0.003	0.011	0.006	ppm
07:00 - 08:00	0.003	0.012	0.009	ppm
08:00 - 09:00	0.004	0.013	0.005	ppm
09:00 - 10:00	0.003	0.013	0.003	ppm
10:00 - 11:00	0.003	0.013	0.004	ppm
Maximum 1 hr.	0.011	0.021	0.016	ppm
Average 24 hr.	0.005	0.012	0.009	ppm
Standard (1 hr.) <sup>1/1</sup>	0.17	0.17	0.17	ppm

REMARK : <sup>1/1</sup> Notification of The National Environmental Board Volume 33 B.E. 2552 (2009)<sup>1/2</sup> Start Time\* Parameter Outside The Scope of The Registration of The Department of Industrial Works  
(Measurement By Mr. Tummarut Photankhum)

บริษัท อีสเทิร์น ไทย คอนซัลติง 1992 จำกัด

Approved By

(MS. THANATPORN KLINSOPON)

29/08/2023

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Request No. LA66-R0862

Report No. R6608-5540 - R6608-5546

## TEST REPORT

CUSTOMER : Meyer Aluminium (Thailand) Co., Ltd.  
ADDRESS : 38/32 Moo 5 Laem Chabang Industrial Estate, Sriracha, Chonburi 20230  
SAMPLE SOURCE : Meyer Aluminium (Thailand) Co., Ltd.  
SAMPLE POINT : บ้านมโนรม  
PARAMETER\* : Nitrogen Dioxide  
DETERMINATION METHOD : Chemiluminescence  
INSTRUMENT : API Model M200E S/N 3999

SAMPLE NO. : 26706-26712  
SAMPLING DATE : 17-24/08/2023  
RECEIVED DATE : 24/08/2023  
REPORTED DATE : 29/08/2023

TIME / DATE	20-21/08/2023	21-22/08/2023	22-23/08/2023	UNIT
11:00 - 12:00 <sup>1/2</sup>	0.003	0.002	0.002	ppm
12:00 - 13:00	0.003	0.005	0.002	ppm
13:00 - 14:00	0.003	0.006	0.001	ppm
14:00 - 15:00	0.003	0.005	0.001	ppm
15:00 - 16:00	0.003	0.006	0.001	ppm
16:00 - 17:00	0.005	0.006	0.002	ppm
17:00 - 18:00	0.006	0.004	0.002	ppm
18:00 - 19:00	0.006	0.005	0.003	ppm
19:00 - 20:00	0.003	0.004	0.004	ppm
20:00 - 21:00	0.002	0.005	0.003	ppm
21:00 - 22:00	0.002	0.007	0.003	ppm
22:00 - 23:00	0.002	0.004	0.002	ppm
23:00 - 00:00	0.003	0.002	0.002	ppm
00:00 - 01:00	0.003	0.002	0.002	ppm
01:00 - 02:00	0.005	0.002	0.001	ppm
02:00 - 03:00	0.003	0.002	0.001	ppm
03:00 - 04:00	0.002	0.001	0.001	ppm
04:00 - 05:00	0.002	0.003	0.010	ppm
05:00 - 06:00	0.003	0.004	0.008	ppm
06:00 - 07:00	0.002	0.004	0.005	ppm
07:00 - 08:00	0.004	0.002	0.004	ppm
08:00 - 09:00	0.004	0.002	0.003	ppm
09:00 - 10:00	0.003	0.002	0.008	ppm
10:00 - 11:00	0.003	0.002	0.005	ppm
Maximum 1 hr.	0.006	0.007	0.010	ppm
Average 24 hr.	0.003	0.004	0.003	ppm
Standard (1 hr.) <sup>1/1</sup>	0.17	0.17	0.17	ppm

REMARK : <sup>1/1</sup> Notification of The National Environmental Board Volume 33 B.E. 2552 (2009)<sup>1/2</sup> Start Time\* Parameter Outside The Scope of The Registration of The Department of Industrial Works  
(Measurement By Mr. Tummarut Photankhum)

บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By

(MS. THANATPORN KLINSOPON)

29/08/2023

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



683 หมู่ 11 ต.สุขาภิบาล 8 ต.หนองขาม อ.ศรีราชา จ.ชลบุรี 20230  
 โทร. 0-3848-1197, 0-3876-3031-2 แฟกซ์ : 0-3848-2095  
 เว็บไซต์ : http://www.etc1992.com อี-เมล : info@etc1992.com

ACCREDITED LABORATORY  
 ISO/IEC 17025

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

Request No. LA66-R0862

Report No. R6608-5540 - R6608-5546

## TEST REPORT

CUSTOMER : Meyer Aluminium (Thailand) Co., Ltd.  
 ADDRESS : 38/32 Moo 5 Laem Chabang Industrial Estate, Sriracha, Chonburi 20230  
 SAMPLE SOURCE : Meyer Aluminium (Thailand) Co., Ltd.  
 SAMPLE POINT : บ้านมโนรม SAMPLE NO. : 26706-26712  
 PARAMETER\* : Nitrogen Dioxide SAMPLING DATE : 17-24/08/2023  
 DETERMINATION METHOD : Chemiluminescence RECEIVED DATE : 24/08/2023  
 INSTRUMENT : API Model M200E S/N 3999 REPORTED DATE : 29/08/2023

TIME / DATE	23-24/08/2023	UNIT
11:00 - 12:00 <sup>/2</sup>	0.005	ppm
12:00 - 13:00	0.013	ppm
13:00 - 14:00	0.015	ppm
14:00 - 15:00	0.008	ppm
15:00 - 16:00	0.005	ppm
16:00 - 17:00	0.005	ppm
17:00 - 18:00	0.005	ppm
18:00 - 19:00	0.005	ppm
19:00 - 20:00	0.004	ppm
20:00 - 21:00	0.004	ppm
21:00 - 22:00	0.002	ppm
22:00 - 23:00	0.003	ppm
23:00 - 00:00	0.003	ppm
00:00 - 01:00	0.003	ppm
01:00 - 02:00	0.004	ppm
02:00 - 03:00	0.002	ppm
03:00 - 04:00	0.004	ppm
04:00 - 05:00	0.003	ppm
05:00 - 06:00	0.005	ppm
06:00 - 07:00	0.004	ppm
07:00 - 08:00	0.002	ppm
08:00 - 09:00	0.002	ppm
09:00 - 10:00	0.002	ppm
10:00 - 11:00	0.002	ppm
Maximum 1 hr.	0.015	ppm
Average 24 hr.	0.005	ppm
Standard (1 hr.) <sup>/1</sup>	0.17	ppm

**REMARK :** <sup>/1</sup> Notification of The National Environmental Board Volume 33 B.E. 2552 (2009)

<sup>/2</sup> Start Time

\* Parameter Outside The Scope of The Registration of The Department of Industrial Works  
 (Measurement By Mr. Tummarut Photankhum)



บริษัท อีสเทิร์นไทยคอนซัลติง 1992 จำกัด

Approved By

(MS. THANATPORN KLINSOPON)

29/08/2023

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



## Wind Speed &amp; Wind Direction

Request No. LA66-R0862

Meyer Aluminium (Thailand) Co., Ltd.

Sample No. 26721

Sampling Source : วัดบ้านนา

Sampling Date : August 17-24, 2023

Time	August 17-18, 2023		August 18-19, 2023		August 19-20, 2023		August 20-21, 2023		August 21-22, 2023		August 22-23, 2023		August 23-24, 2023	
	Wind Speed (m/s)	Wind Direction	Wind Speed (m/s)	Wind Direction	Wind Speed (m/s)	Wind Direction	Wind Speed (m/s)	Wind Direction	Wind Speed (m/s)	Wind Direction	Wind Speed (m/s)	Wind Direction	Wind Speed (m/s)	Wind Direction
12:00-13:00	2.2	W	2.2	WNW	3.1	WNW	1.3	W	1.8	W	1.3	WSW	2.2	W
13:00-14:00	3.1	WNW	2.2	WNW	3.1	WNW	1.8	W	1.3	W	1.8	W	1.8	W
14:00-15:00	2.7	WNW	2.2	WNW	2.7	WNW	1.3	W	1.3	W	2.2	W	1.8	W
15:00-16:00	2.2	W	2.2	WNW	2.2	WNW	1.3	W	1.3	W	1.8	W	1.3	W
16:00-17:00	1.8	W	1.8	WNW	1.8	WNW	0.9	WSW	1.3	W	1.3	WSW	0.9	WSW
17:00-18:00	1.8	W	1.3	W	0.9	W	0.9	WSW	1.3	S	0.9	W	1.3	W
18:00-19:00	1.8	W	1.3	W	0.9	W	0.9	S	1.8	S	0.9	W	1.8	W
19:00-20:00	1.3	W	1.3	W	0.4	WSW	1.3	S	1.3	S	0.9	W	1.3	WSW
20:00-21:00	2.2	WNW	1.3	W	0.9	W	0.9	S	1.3	S	0.9	WSW	0.4	SSW
21:00-22:00	0.9	NW	0.9	S	0.9	W	0.9	S	0.9	WSW	0.9	W	0.9	W
22:00-23:00	0.4	N	0.9	W	0.9	WSW	0.9	ESE	1.3	S	1.3	SSW	0.9	W
23:00-00:00	0.0	-	0.4	WSW	0.4	W	0.9	E	0.4	S	0.4	S	1.3	W
00:00-01:00	0.4	ESE	0.9	W	0.9	WNW	0.9	E	0.4	S	0.9	ESE	1.3	W
01:00-02:00	0.4	S	0.9	WSW	0.9	WSW	0.4	ENE	0.4	S	0.4	E	1.3	W
02:00-03:00	0.0	-	1.3	WNW	0.4	W	1.3	W	0.0	-	0.4	E	1.3	W
03:00-04:00	0.4	S	1.3	WNW	0.9	WNW	0.4	ENE	0.4	S	0.0	-	1.8	W
04:00-05:00	0.4	ESE	0.9	WNW	0.9	WNW	0.4	E	0.9	WSW	0.0	-	1.3	W
05:00-06:00	0.0	-	0.9	WNW	0.9	WNW	0.4	S	0.9	W	1.3	W	1.3	W
06:00-07:00	0.0	-	0.9	NW	0.9	WNW	0.9	ESE	0.4	SSE	1.3	W	0.4	WSW
07:00-08:00	1.3	WNW	0.9	WNW	0.9	WNW	0.4	S	0.0	-	0.9	WNW	0.4	S
08:00-09:00	1.8	WNW	1.3	WNW	1.3	WNW	0.9	ESE	0.4	S	1.3	WSW	0.4	SW
09:00-10:00	1.8	WNW	2.2	WNW	1.3	WNW	0.9	S	0.9	W	1.3	W	0.0	-
10:00-11:00	1.8	WNW	3.1	WNW	1.3	W	1.3	S	0.9	W	1.8	W	0.0	-
11:00-12:00	1.8	WNW	2.7	WNW	2.2	WNW	1.3	S	0.9	W	1.8	W	0.4	S

## Wind Speed &amp; Wind Direction

Request No. LA66-R0862

Meyer Aluminium (Thailand) Co., Ltd.

Sample No. 26720

Sampling Source : บ้านโนนรม

Sampling Date : August 17-24, 2023

Time	August 17-18, 2023		August 18-19, 2023		August 19-20, 2023		August 20-21, 2023		August 21-22, 2023		August 22-23, 2023		August 23-24, 2023	
	Wind Speed (m/s)	Wind Direction	Wind Speed (m/s)	Wind Direction	Wind Speed (m/s)	Wind Direction	Wind Speed (m/s)	Wind Direction	Wind Speed (m/s)	Wind Direction	Wind Speed (m/s)	Wind Direction	Wind Speed (m/s)	Wind Direction
11:00-12:00	0.4	SW	0.4	SW	0.4	N	0.4	WSW	0.4	ESE	0.0	-	0.4	WSW
12:00-13:00	0.4	SW	0.4	SW	0.4	WSW	0.4	WSW	0.0	-	0.4	WSW	0.4	WSW
13:00-14:00	0.4	SW	0.4	N	0.9	SW	0.4	WSW	0.0	-	0.4	WSW	0.4	WSW
14:00-15:00	0.9	WSW	0.4	WSW	0.4	SW	0.4	WSW	0.0	-	0.4	WSW	0.4	WSW
15:00-16:00	0.4	SW	0.4	WSW	0.4	WSW	0.4	WSW	0.0	-	0.4	WSW	0.4	WSW
16:00-17:00	0.4	SW	0.4	WSW	0.4	WSW	0.0	-	0.0	-	0.4	WSW	0.0	-
17:00-18:00	0.4	SW	0.4	WSW	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-
18:00-19:00	0.4	SE	0.0	-	0.0	-	0.0	-	0.4	SE	0.0	-	0.4	WSW
19:00-20:00	0.0	-	0.0	-	0.0	-	0.4	SE	0.4	SE	0.0	-	0.0	-
20:00-21:00	0.4	SW	0.0	-	0.0	-	0.4	ESE	0.0	-	0.0	-	0.0	-
21:00-22:00	0.0	-	0.0	-	0.0	-	0.4	ESE	0.0	-	0.0	-	0.0	-
22:00-23:00	0.0	-	0.0	-	0.0	-	0.0	-	0.4	ESE	0.0	-	0.0	-
23:00-00:00	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-	0.4	WSW
00:00-01:00	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-
01:00-02:00	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-	0.4	WSW
02:00-03:00	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-	0.4	WSW
03:00-04:00	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-	0.4	WSW
04:00-05:00	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-	0.4	WSW
05:00-06:00	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-
06:00-07:00	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-
07:00-08:00	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-
08:00-09:00	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-
09:00-10:00	0.4	SW	0.4	N	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-
10:00-11:00	0.4	SW	0.4	WSW	0.0	-	0.4	ESE	0.0	-	0.4	WSW	0.0	-



## Wind Speed &amp; Wind Direction

Request No. LA66-R0862

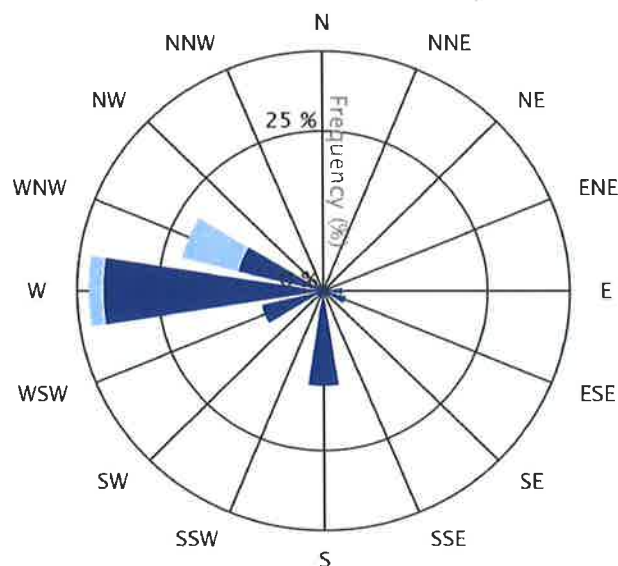
Meyer Aluminium (Thailand) Co., Ltd.

Sample No. 26721

Sampling Source : วัดบ้านนา

Sampling Date : August 17-24, 2023

Calm 6.0 %



■ 0.4-1.9   
 ■ 2.0-3.9   
 ■ 4.0-5.9   
 ■ 6.0-7.9   
 ■ 8.0-9.9   
 ■ > 9.9 (m/s)

WD/WS	Percentage of Occurrence of Wind Direct Grouped in Various Wind Speed						Total
	0.4-1.9 m/s	2.0-3.9 m/s	4.0-5.9 m/s	6.0-7.9 m/s	8.0-9.9 m/s	> 9.9 m/s	
N	0.6	0.0	0.0	0.0	0.0	0.0	0.6
NNE	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENE	1.2	0.0	0.0	0.0	0.0	0.0	1.2
E	3.0	0.0	0.0	0.0	0.0	0.0	3.0
ESE	3.6	0.0	0.0	0.0	0.0	0.0	3.6
SE	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSE	0.6	0.0	0.0	0.0	0.0	0.0	0.6
S	14.9	0.0	0.0	0.0	0.0	0.0	14.9
SSW	1.2	0.0	0.0	0.0	0.0	0.0	1.2
SW	0.6	0.0	0.0	0.0	0.0	0.0	0.6
WSW	9.5	0.0	0.0	0.0	0.0	0.0	9.5
W	33.3	2.4	0.0	0.0	0.0	0.0	35.7
WNW	13.1	8.9	0.0	0.0	0.0	0.0	22.0
NW	1.2	0.0	0.0	0.0	0.0	0.0	1.2
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Calm	6.0						

## Wind Speed &amp; Wind Direction

Request No. LA66-R0862

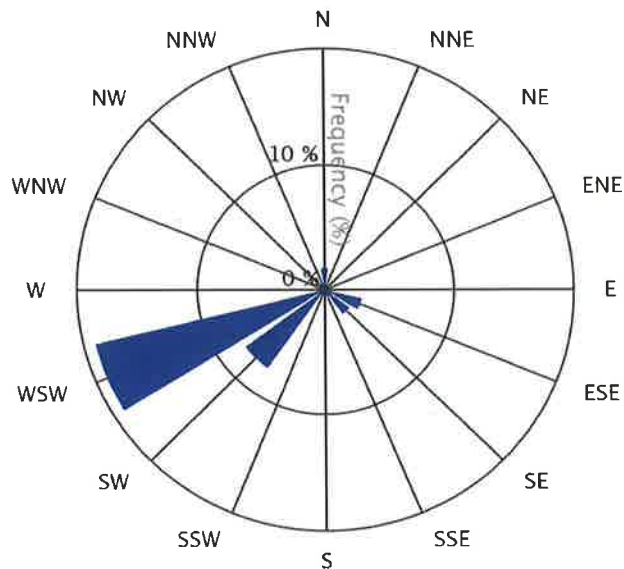
Meyer Aluminium (Thailand) Co., Ltd.

Sample No. 26720

Sampling Source : บ้านโนนรม

Sampling Date : August 17-24, 2023

Calm 66.7 %


■ 0.4-1.9   
 ■ 2.0-3.9   
 ■ 4.0-5.9   
 ■ 6.0-7.9   
 ■ 8.0-9.9   
 ■ > 9.9 (m/s)

WD/WS	Percentage of Occurrence of Wind Direct Grouped in Various Wind Speed						Total
	0.4-1.9 m/s	2.0-3.9 m/s	4.0-5.9 m/s	6.0-7.9 m/s	8.0-9.9 m/s	> 9.9 m/s	
N	1.8	0.0	0.0	0.0	0.0	0.0	1.8
NNE	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	3.0	0.0	0.0	0.0	0.0	0.0	3.0
SE	2.4	0.0	0.0	0.0	0.0	0.0	2.4
SSE	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SW	7.7	0.0	0.0	0.0	0.0	0.0	7.7
WSW	18.5	0.0	0.0	0.0	0.0	0.0	18.5
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Calm	66.7						

## ผลการทดสอบคุณภาพน้ำทิ้ง

## Test Report

Request No : W6607201

Report No : 6607-1875

Customer : Meyer Aluminium (Thailand) Co.,Ltd.\*\*

Address : 38/32 Moo.5 Laem Chabang Industrial Estate, Sriracha, Chonburi 20230\*\*

Sampling Source : Meyer Aluminium (Thailand) Co.,Ltd.\*\*

Sample No : W 66070795

Sample Name : บริเวณจุดระบายน้ำเสียของโครงการลงสู่บ่อพัก\*\*\*

Sampling Date : 06/07/2023\*\*

Sampling By : ETC\*\*

Sampling Time : 8:55 AM\*\*

Sampling Method : Grab\*\*

Received Date : 07/07/2023

Tested Date : 08/07/2023 - 24/07/2023

Reported Date : 25/07/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	63.5	≤500
Chemical Oxygen Demand #	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	238	≤750
Oil and Grease *	mg/L	Partition-Gravimetric Method (SM:5520B)	4.5	≤10
pH (on site) *		Electrometric Method	7.3	5.5 - 9.0
Temperature *	°C	Laboratory and Field Method	32	≤45
Total Dissolved Solids #	mg/L	Dried at 180 C (SM:2540C)	344	≤3000
Total Suspended Solids #	mg/L	Dried at 103-105 C (SM:2540D)	39	≤200
Zinc *	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.07	≤5

Physical Appearance : 1. Sample : yellow, lightly SS

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

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

2. # = ISO/IEC 17025:2017 Accredited by 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 Bakhontod is Technical Management.

4. \* = Test Report/Sampling marked Not Accredited, Sampling By Mr. Parkpoom Buasawad (๖-003-๓-๗280)\*

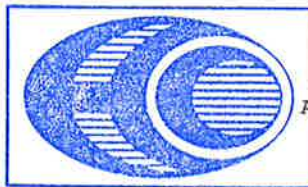
5. ## บริเวณจุดปล่อยน้ำเสียของโครงการลงสู่บ่อพักรับน้ำเสารวมของนิคมฯ

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

Examined By : .....

(Miss Apiradee Chuen-arom)  
(๖-003-๓-4377)

25/07/2023



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By : .....

(Miss Nunnaphat Bakhontod)  
(๖-003-๓-4367)

25/07/2023

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



Request No. W6607201

Report No. 6607-1875

## TEST REPORT

Customer : Meyer Aluminium (Thailand) Co.,Ltd.  
 Address : 38/32 Moo. 5 Laem Chabang Industrial Estate , Sriracha , Chonburi 20230  
 Sampling Source : Meyer Aluminium (Thailand) Co.,Ltd. Sample No. : W 66070795  
 Sample Name : บริเวณจุดปล่อยน้ำเสียของโครงการลงสู่บ่อพัก ## Sampling Date : 06/07/2023  
 Sampling By : ETC Sampling Time : 8:55 AM  
 Sampling Method : Grab Received Date : 07/07/2023  
 Tested Date : 06/07/2023 Reported Date : 25/07/2023

Parameter	Unit	Method	Result	Standard <sup>1/</sup>
Flow Rate	m <sup>3</sup> / sec	Calculation	0.0142	—

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

Remark : 1. /1 Notification of Industrial Estate Authority of Thailand 76/2560 (2017)  
 2. ## บริเวณจุดปล่อยน้ำเสียของโครงการลงสู่บ่อพักรับน้ำเสีรวมของนิคม ฯ  
 3. Measured by Eastern Thai Consulting 1992 Co., Ltd. : (Flow Meter Model 2030 R)  
 4. Sampling By Mr. Parkpoon Buasawad (3-003-ก-7280)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By.....

(Miss Apiradee Chuen-arom)

25 / 07 / 2023

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



683 หมู่ 11 ต.สุขาภิบาล 8 ต.หนองขาม อ.ศรีราชา จ.ชลบุรี 20230  
 โทร. 0-3848-1197, 0-3876-3031-2 แฟกซ์ : 0-3848-2095  
 เว็บไซต์ : http://www.etc1992.com อี-เมล : info@etc1992.com

ACCREDITED LABORATORY  
 ISO/IEC 17025

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

## Test Report

Request No : W6607201

Report No : 6607-1875

Customer : Meyer Aluminium (Thailand) Co.,Ltd

Address : 38/32 Moo.5 Laem Chabang Industrial Estate, Sriracha, Chonburi 20230

Sampling Source : Meyer Aluminium (Thailand) Co.,Ltd.

Sample No : W 66070795

Sample Name : บริเวณจุดระบายน้ำเสียของโครงการลงสู่บ่อพัก##

Sampling Date : 06/07/2023

Sampling By : ETC

Sampling Time : 8:55 AM

Sampling Method : Grab

Received Date : 07/07/2023

Tested Date : 08/07/2023 - 24/07/2023

Reported Date : 25/07/2023

Parameter	Unit	Method	Result	Standard/1
Aluminium	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.26	-

Physical Apperance : 1. Sample : yellow, lightly SS

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

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

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

3. Parameter Outside The Scope of The Registration of Department of Industrial Works

4. Sampling By Mr. Parkpoom Buasawad (ว-003-ค-7280)

5. ## บริเวณจุดปล่อยน้ำเสียของโครงการลงสู่บ่อพักรับน้ำเสีรวมของนิคมฯ



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

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

Examined By : .....

(Miss Apiradee Chuen-arom)

25/07/2023



## Test Report

Request No : W6608283

Report No : 6608-1630

Customer : Meyer Aluminium (Thailand) Co.,Ltd\*\*

Address : 38/32 Moo.5 Laem Chabang Industrial Estate, Sriracha, Chonburi 20230\*\*

Sampling Source : Meyer Aluminium (Thailand) Co.,Ltd\*\*

Sample No : W 66081009

Sample Name : บริเวณจุดปล่อยน้ำเสียของโครงการลงสู่บ่อพัก\*\*\*

Sampling Date : 10/08/2023\*\*

Sampling By : ETC\*\*

Sampling Time : 1:30 PM\*\*

Sampling Method : Grab\*\*

Received Date : 11/08/2023

Tested Date : 11/08/2023 - 21/08/2023

Reported Date : 23/08/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	67.5	≤500
Chemical Oxygen Demand #	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	265	≤750
Oil and Grease *	mg/L	Partition-Gravimetric Method (SM:5520B)	8.0	≤10
pH (on site) *		Electrometric Method	7.4	5.5 - 9.0
Temperature *	°C	Laboratory and Field Method	30	≤45
Total Dissolved Solids #	mg/L	Dried at 180 C (SM:2540C)	374	≤3000
Total Suspended Solids #	mg/L	Dried at 103-105 C (SM:2540D)	63	≤200
Zinc *	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.11	≤5

Physical Appearance : 1. Sample : yellow, lightly SS

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

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

2. # = ISO/IEC 17025:2017 Accredited by 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 Bakhontod is Technical Management.

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

5. ## บริเวณจุดปล่อยน้ำเสียของโครงการลงสู่บ่อพักกับน้ำเสียรวมของนิคมฯ

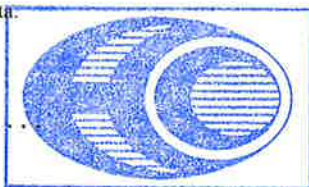
6. \*\* = These data are non laboratory data.

Examined By : .....

(Miss Apiradee Chuen-arom)

(ว-003-ค-0007)

23/08/2023



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By : .....

(Miss Nunnaphat Bakhontod)

(ว-003-ค-0005)

23/08/2023

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY  
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## Test Report

Request No : W6608283

Report No : 6608-1630

Customer : Meyer Aluminium (Thailand) Co.,Ltd

Address : 38/32 Moo.5 Laem Chabang Industrial Estate, Sriracha, Chonburi 20230

Sampling Source : Meyer Aluminium (Thailand) Co.,Ltd

Sample No : W 66081009

Sample Name : บริเวณจุดปล่อยน้ำเสียของโครงการลงสู่บ่อพัก##

Sampling Date : 10/08/2023

Sampling By : ETC

Sampling Time : 1:30 PM

Sampling Method : Grab

Received Date : 11/08/2023

Tested Date : 11/08/2023 - 21/08/2023

Reported Date : 23/08/2023

Parameter	Unit	Method	Result	Standard/1
Aluminium	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.53	-

Physical Apperance : 1. Sample : yellow, lightly SS

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

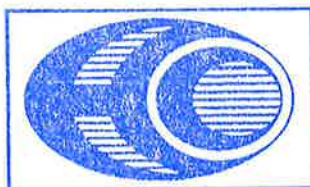
Remark : 1. /1 Notification of Industrial Estate Authority of Thailand 76 / 2560 (2017)

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

3. Parameter Outside The Scope of The Registration of Department of Industrial Works

4. Sampling By Mr. Supharerk Phatklang

5. ## บริเวณจุดปล่อยน้ำเสียของโครงการลงสู่บ่อพักรับน้ำเสีรวมของนิคมฯ



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By : .....

(Miss Apiradee Chuen-arom)

23/08/2023

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

Request No. W6608283

Report No. 6608-1630

## TEST REPORT

Customer : Meyer Aluminium (Thailand) Co.,Ltd.

Address : 38/32 Moo. 5 Laem Chabang Industrial Estate , Sriracha , Chonburi 20230

Sampling Source : Meyer Aluminium (Thailand) Co.,Ltd. Sample No. : W 66081009

Sample Name : บริเวณจุดปล่อยน้ำเสียของโครงการลงสู่บ่อพัก ## Sampling Date : 10/08/2023

Sampling By : ETC Sampling Time : 1:30 PM

Sampling Method : Grab Received Date : 11/08/2023

Tested Date : 10/08/2023 Reported Date : 23/08/2023

Parameter	Unit	Method	Result	Standard
Flow Rate	m <sup>3</sup> / sec	Calculation	0.0142	—

Physical Apperance : 1. Sample : yellow, lightly SS

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

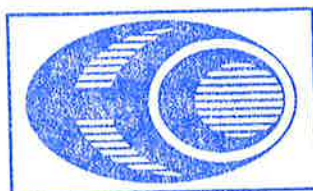
Remark : 1. /1 Notification of Industrial Estate Authority of Thailand 76/2560 (2017)

2. ## บริเวณจุดปล่อยน้ำเสียของโครงการลงสู่บ่อพักรับน้ำเสยรวมของนิคม ฯ

3. Measured by Eastern Thai Consulting 1992 Co., Ltd. : (Flow Meter Model 2030 R)

4. Parameter Outside The Scope of The Registration of Department of Industrial Works

5. Sampling By Mr. Supharerk Phatklang



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By 

(Miss Apiradee Chuen-arom)

23 / 08 / 2023

REPORTED TESTS REFER TO SUBMITTED SAMPLES ONLY

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## Test Report

Request No : W6609251


Report No : 6609-1564

Customer : Meyer Aluminium (Thailand) Co.,Ltd\*\*  
Address : 38/32 Moo.5 Laem Chabang Industrial Estate, Sriracha, Chonburi 20230\*\*  
Sampling Source : Meyer Aluminium (Thailand) Co.,Ltd\*\* Sample No : W 66090921  
Sample Name : บริเวณจุดปล่อยน้ำเสียของโครงการลงสู่บ่อพัก### Sampling Date : 08/09/2023\*\*  
Sampling By : ETC\*\* Sampling Time : 9:30 AM\*\*  
Sampling Method : Grab\*\* Received Date : 09/09/2023  
Tested Date : 11/09/2023 - 21/09/2023 Reported Date : 22/09/2023


Parameter	Unit	Method	Result	Standard <sup>1</sup>
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	72.4	≤500
Chemical Oxygen Demand #	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	264	≤750
Oil and Grease @	mg/L	Partition-Gravimetric Method (SM:5520B)	5.5	≤10
pH (on site) *		Electrometric Method	7.4	5.5 - 9.0
Temperature *	°C	Laboratory and Field Method	32	≤45
Total Dissolved Solids #	mg/L	Dried at 180 degree celsius (SM:2540C)	532	≤3000
Total Suspended Solids #	mg/L	Dried at 103-105 degree celsius (SM:2540D)	76	≤200
Zinc @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.13	≤5

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

Remark : 1. /I Notification of Industrial Estate Authority of Thailand 76 / 2560 (2017)  
2. @ = ISO/IEC 17025:2017 Accredited by TISI., # = ISO/IEC 17025:2017 Accredited by DSS,  
SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017.  
3. Miss Apiradee Chuen-arom is Section Head / Miss Nunnaphat Bakhuntod is Technical Management.  
4. \* = Test Report/Sampling marked Not Accredited, Sampling By Miss Janthanee Saiphan (จ-003-ค-0018) \*  
5. \*\* = These data are non laboratory data. / ## บริเวณจุดปล่อยน้ำเสียของโครงการลงสู่บ่อพักรับน้ำเสีรวมของนิคมฯ

Examined By :   
(Miss Apiradee Chuen-arom)  
(จ-003-ค-0007)  
22/09/2023



Approved By :   
(Miss Nunnaphat Bakhuntod)  
(จ-003-ค-0005)  
22/09/2023

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY  
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## Test Report

Customer : Meyer Aluminium (Thailand) Co.,Ltd\*\*  
Address : 38/32 Moo.5 Laem Chabang Industrial Estate, Sriracha, Chonburi 20230\*\*  
Sampling Source : Meyer Aluminium (Thailand) Co.,Ltd\*\*  
Sample Name : บริเวณจุดปล่อยน้ำเสียของโครงการลงสู่บ่อพัก###  
Sampling By : ETC\*\*  
Sampling Method : Grab\*\*  
Tested Date : 11/09/2023 - 21/09/2023

Request No : W6609251  
Report No : 6609-1564  
Sample No : W 66090921  
Sampling Date : 08/09/2023\*\*  
Sampling Time : 9:30 AM\*\*  
Received Date : 09/09/2023  
Reported Date : 02/10/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Aluminium @	mg/L	Digestion,Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.56	-

Physical Apperance : 1. Sample : yellow, lightly SS

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

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

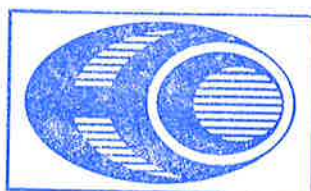
2. Parameter Outside The Scope of The Registration of Department of Industrial Works

3. @ = ISO/IEC 17025:2017 Accredited by TISI., SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017.

4. Miss Nunnaphat Bakhuntod is Technical Management.

5. \* = Test Report/Sampling marked Not Accredited, Sampling By Miss Janthanee Saiphan \*

6. \*\* = These data are non laboratory data. / ## บริเวณจุดปล่อยน้ำเสียของโครงการลงสู่บ่อพักรับน้ำเสีจรวมของนิคมฯ



Examined By : .....

(Miss Nunnaphat Bakhuntod)

02/10/2023

บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด  
REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY  
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Request No. W6609251

Report No. 6609-1564

## TEST REPORT

Customer : Meyer Aluminium (Thailand) Co.,Ltd.

Address : 38/32 Moo. 5 Laem Chabang Industrial Estate , Sriracha , Chonburi 20230

Sampling Source : Meyer Aluminium (Thailand) Co.,Ltd. Sample No. : W 66090921

Sample Name : บริเวณจุดปล่อยน้ำเสียของโครงการลงสู่บ่อพัก ## Sampling Date : 08/09/2023

Sampling By : ETC Sampling Time : 9:30 AM

Sampling Method : Grab Received Date : 09/09/2023

Tested Date : 08/09/2023 Reported Date : 22/09/2023

Parameter	Unit	Method	Result	Standard <sup>1)</sup>
Flow Rate	m <sup>3</sup> / sec	Calculation	0.0142	—

Physical Apperance : 1. Sample : yellow, lightly SS

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

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

2. ## บริเวณจุดปล่อยน้ำเสียของโครงการลงสู่บ่อพักกับน้ำเสียรวมของนิคม ฯ

3. Measured by Eastern Thai Consulting 1992 Co., Ltd. : (Flow Meter Model 2030 R)

4. Parameter Outside The Scope of The Registration of Department of Industrial Works

5. Sampling By Miss Janthanee Saiphan



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By.....

(Miss Apiradee Chuen-arom)

22 / 09 / 2023

REPORTED TESTS REFER TO SUBMITTED SAMPLES ONLY

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## Test Report

Request No : W6610157

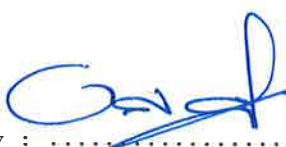
Report No : 6610-1451

Customer : Meyer Aluminium (Thailand) Co.,Ltd\*\*  
Address : 38/32 Moo.5 Laem Chabang Industrial Estate, Sriracha, Chonburi 20230\*\*  
Sampling Source : Meyer Aluminium (Thailand) Co.,Ltd.\*\* Sample No : W 66100642  
Sample Name : บริเวณจุดปล่อยน้ำเสียของโครงการลงสู่บ่อพัก\*\*\* Sampling Date : 05/10/2023\*\*  
Sampling By : ETC\*\* Sampling Time : 9:30 AM\*\*  
Sampling Method : Grab\*\* Received Date : 06/10/2023  
Tested Date : 06/10/2023 - 17/10/2023 Reported Date : 20/10/2023

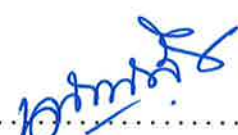
Parameter	Unit	Method	Result	Standard <sup>1/</sup>
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	64.8	≤500
Chemical Oxygen Demand #	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	257	≤750
Oil and Grease @	mg/L	Partition-Gravimetric Method (SM:5520B)	5.7	≤10
pH (on site) *		Electrometric Method	7.4	5.5 - 9.0
Temperature *	°C	Laboratory and Field Method	30	≤45
Total Dissolved Solids #	mg/L	Dried at 180 degree celsius (SM:2540C)	410	≤3000
Total Suspended Solids #	mg/L	Dried at 103-105 degree celsius (SM:2540D)	56	≤200
Zinc @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.22	≤5

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

Remark : 1. /I Notification of Industrial Estate Authority of Thailand 76 / 2560 (2017)  
2. @ = ISO/IEC 17025:2017 Accredited by TISI., # = ISO/IEC 17025:2017 Accredited by DSS,  
SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017.  
3. Miss Apiradee Chuen-arom is Section Head / Miss Nunnaphat Bakhuntod is Technical Management.  
4. \* = Test Report/Sampling marked Not Accredited, Sampling By Miss Janthanee Saiphan (ว-003-ค-0018) \*  
5. \*\* = These data are non laboratory data. /## บริเวณจุดปล่อยน้ำเสียของโครงการลงสู่บ่อพักรับน้ำเสีรวมของนิคมฯ

Examined By :   
(Miss Apiradee Chuen-arom)  
(ว-003-ค-0007)  
20/10/2023



Approved By :   
(Miss Nunnaphat Bakhuntod)  
(ว-003-ค-0005)  
20/10/2023

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

## Test Report

Request No : W6610157

Report No : 6610-1451

Customer : Meyer Aluminium (Thailand) Co.,Ltd.\*\*  
Address : 38/32 Moo.5 Laem Chabang Industrial Estate, Sriracha, Chonburi 20230\*\*  
Sampling Source : Meyer Aluminium (Thailand) Co.,Ltd.\*\* Sample No : W 66100642  
Sample Name : บริเวณจุดปล่อยน้ำเสียของโครงการลงสู่บ่อพัก### Sampling Date : 05/10/2023\*\*  
Sampling By : ETC\*\* Sampling Time : 9:30 AM\*\*  
Sampling Method : Grab\*\* Received Date : 06/10/2023  
Tested Date : 06/10/2023 - 17/10/2023 Reported Date : 20/10/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Aluminium @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.82	

Physical Appearance : 1. Sample : yellow, lightly SS

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

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

2. Parameter Outside The Scope of The Registration of Department of Industrial Works

3. @ = ISO/IEC 17025:2017 Accredited by TISI., SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017.

4. Miss Nunnaphat Bakhuntod is Technical Management.

5. \* = Test Report/Sampling marked Not Accredited, Sampling By Miss Janthanee Saiphan \*

6. \*\* = These data are non laboratory data. / ## บริเวณจุดปล่อยน้ำเสียของโครงการลงสู่บ่อพักรับน้ำเสียรวมของนิคมฯ



Examined By : .....

(Miss Nunnaphat Bakhuntod)  
20/10/2023

บริษัท อีสเทิร์นไทยคอนซัลติง 1992 จำกัด

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY  
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Request No. W6610157

Report No. 6610-1451

## TEST REPORT

Customer : Meyer Aluminium (Thailand) Co.,Ltd.

Address : 38/32 Moo. 5 Laem Chabang Industrial Estate , Sriracha , Chonburi 20230

Sampling Source : Meyer Aluminium (Thailand) Co.,Ltd. Sample No. : W 66100642

Sample Name : บริเวณจุดปล่อยน้ำเสียของโครงการลงสู่บ่อพัก ## Sampling Date : 05/10/2023

Sampling By : ETC Sampling Time : 9:30 AM

Sampling Method : Grab Received Date : 06/10/2023

Tested Date : 05/10/2023 Reported Date : 20/10/2023

Parameter	Unit	Method	Result	Standard <sup>ก</sup>
Flow Rate	m <sup>3</sup> / sec	Calculation	0.0142	—

Physical Apperance : 1. Sample : yellow, lightly SS

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

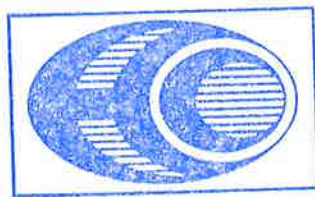
Remark : 1. /1 Notification of Industrial Estate Authority of Thailand 76/2560 (2017)

2. ## บริเวณจุดปล่อยน้ำเสียของโครงการลงสู่บ่อพักกับน้ำเสียรวมของนิคม ฯ

3. Measured by Eastern Thai Consulting 1992 Co., Ltd. : (Flow Meter Model 2030 R)

4. Parameter Outside The Scope of The Registration of Department of Industrial Works

5. Sampling By Miss Janthanee Saiphan



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By.....



(Miss Apiradee Chuen-arom)

20 / 10 / 2023

REPORTED TESTS REFER TO SUBMITTED SAMPLES ONLY

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WITHOUT THE WRITTEN APPROVAL LABORATORY

## Test Report

Request No : W6611248

Report No : 6611-1248

Customer : Meyer Aluminium (Thailand) Co.,Ltd.\*\*

Address : 38/32 Moo.5 Laem Chabang Industrial Estate, Sriracha, Chonburi 20230\*\*

Sampling Source : Meyer Aluminium (Thailand) Co.,Ltd.\*\*

Sample No : W 66110912

Sample Name : บริเวณจุดปล่อยน้ำเสียของโครงการลงสู่บ่อพัก\*\*\*

Sampling Date : 08/11/2023\*\*

Sampling By : ETC\*\*

Sampling Time : 9:42 AM\*\*

Sampling Method : Grab\*\*

Received Date : 09/11/2023

Tested Date : 09/11/2023 - 16/11/2023

Reported Date : 20/11/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	81.2	≤500
Chemical Oxygen Demand #	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	253	≤750
Oil and Grease @	mg/L	Partition-Gravimetric Method (SM:5520B)	< 3.0	≤10
pH (on site) *		Electrometric Method	7.8	5.5 - 9.0
Temperature *	°C	Laboratory and Field Method	32	≤45
Total Dissolved Solids #	mg/L	Dried at 180 degree celsius (SM:2540C)	354	≤3000
Total Suspended Solids #	mg/L	Dried at 103-105 degree celsius (SM:2540D)	67	≤200
Zinc @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.09	≤5

Physical Apperance : 1. Sample : yellow, lightly SS

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

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

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

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

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

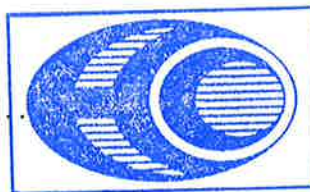
4. \* = Test Report/Sampling marked Not Accredited, Sampling By Mr. Supharerk Phatklang (จ-003-ค-0031)\*

5. \*\* = These data are non laboratory data. / ## บริเวณจุดปล่อยน้ำเสียของโครงการลงสู่บ่อพักรับน้ำเสียรวมของนิคมฯ

Examined By : 

(Miss Apiradee Chuen-arom)  
(จ-003-ค-0007)

20/11/2023



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By : 

(Miss Nunnaphat Bakhuntod)  
(จ-003-ค-0005)

20/11/2023

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

## Test Report

Request No : W6611248

Report No : 6611-1248

Customer : Meyer Aluminium (Thailand) Co.,Ltd.\*\*  
Address : 38/32 Moo.5 Laem Chabang Industrial Estate, Sriracha, Chonburi 20230\*\*  
Sampling Source : Meyer Aluminium (Thailand) Co.,Ltd.\*\* Sample No : W 66110912  
Sample Name : บริเวณจุดปล่อยน้ำเสียของโครงการลงสู่บ่อพัก### Sampling Date : 08/11/2023\*\*  
Sampling By : ETC\*\* Sampling Time : 9:42 AM\*\*  
Sampling Method : Grab\*\* Received Date : 09/11/2023  
Tested Date : 09/11/2023 - 16/11/2023 Reported Date : 20/11/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Aluminium @	mg/L	Digestion,Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.74	-

Physical Apperance : 1. Sample : yellow, lightly SS

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

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

2. Parameter Outside The Scope of The Registration of Department of Industrial Works

3. @ = ISO/IEC 17025:2017 Accredited by TISI., SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017.

4. Miss Nunnaphat Bakhuntod is Technical Management.

5. \* = Test Report/Sampling marked Not Accredited, Sampling By Mr. Supharerk Phatklang \*

6. \*\* = These data are non laboratory data. / ## บริเวณจุดปล่อยน้ำเสียของโครงการลงสู่บ่อพักรับน้ำเสียรวมของนิคมฯ



Examined By : 

(Miss Nunnaphat Bakhuntod)  
20/11/2023

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



Request No. W6611248

Report No. 6611-1248

## TEST REPORT

Customer : Meyer Aluminium (Thailand) Co.,Ltd.  
Address : 38/32 Moo. 5 Laem Chabang Industrial Estate , Sriracha , Chonburi 20230  
Sampling Source : Meyer Aluminium (Thailand) Co.,Ltd. Sample No. : W 66110912  
Sample Name : บริเวณจุดปล่อยน้ำเสียของโครงการลงสู่บ่อพัก ## Sampling Date : 08/11/2023  
Sampling By : ETC Sampling Time : 9:42 AM  
Sampling Method : Grab Received Date : 09/11/2023  
Tested Date : 08/11/2023 Reported Date : 20/11/2023

Parameter	Unit	Method	Result	Standard <sup>/1</sup>
Flow Rate	m <sup>3</sup> / sec	Calculation	0.0142	—

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

Remark : 1. /1 Notification of Industrial Estate Authority of Thailand 76/2560 (2017)  
2. ## บริเวณจุดปล่อยน้ำเสียของโครงการลงสู่บ่อพักรับน้ำเสียรวมของนิคม ฯ  
3. Measured by Eastern Thai Consulting 1992 Co., Ltd. : (Flow Meter Model 2030 R)  
4. Parameter Outside The Scope of The Registration of Department of Industrial Works  
5. Sampling By Mr. Supharerk Phatklang



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By.....



(Miss Apiradee Chuen-arom)

20 / 11 / 2023

REPORTED TESTS REFER TO SUBMITTED SAMPLES ONLY

THIS REPORT SHALL NOT REPRODUCED EXCEPT IN FULL

WITHOUT THE WRITTEN APPROVAL LABORATORY




## Test Report

Customer : Meyer Aluminium (Thailand) Co.,Ltd.\*\*  
Address : 38/32 Moo.5 Laem Chabang Industrial Estate, Sriracha, Chonburi 20230\*\*  
Sampling Source : Meyer Aluminium (Thailand) Co.,Ltd.\*\* Sample No : W 66120530  
Sample Name : บริเวณจุดปล่อยน้ำเสียของโครงการลงสู่บ่อพัก###\*\* Sampling Date : 06/12/2023\*\*  
Sampling By : ETC\*\* Sampling Time : 9:15 AM\*\*  
Sampling Method : Grab\*\* Received Date : 07/12/2023  
Tested Date : 07/12/2023 - 16/12/2023 Reported Date : 21/12/2023


Parameter	Unit	Method	Result	Standard <sup>1</sup>
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	62.4	≤500
Chemical Oxygen Demand #	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	232	≤750
Oil and Grease @	mg/L	Partition-Gravimetric Method (SM:5520B)	7.5	≤10
pH (on site) *		Electrometric Method	7.1	5.5 - 9.0
Temperature *	°C	Laboratory and Field Method	28	≤45
Total Dissolved Solids #	mg/L	Dried at 180 degree celsius (SM:2540C)	502	≤3000
Total Suspended Solids #	mg/L	Dried at 103-105 degree celsius (SM:2540D)	85	≤200
Zinc @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.36	≤5

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

Remark : 1. /1 Notification of Industrial Estate Authority of Thailand 76 / 2560 (2017)  
2. @ = ISO/IEC 17025:2017 Accredited by TISI., # = ISO/IEC 17025:2017 Accredited by DSS,  
SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017.  
3. Miss Apiradee Chuen-arom is Section Head / Miss Nunnaphat Bakhuntod is Technical Management.  
4. \* = Test Report/Sampling marked Not Accredited, Sampling By Mr. Songpon Phiwan (ว-003-ค-0016)\*  
5. \*\* = These data are non laboratory data. / ## บริเวณจุดปล่อยน้ำเสียของโครงการลงสู่บ่อพักรับน้ำเสียรวมของนิคมฯ

Examined By :   
(Miss Apiradee Chuen-arom)  
(ว-003-ค-0007)  
21/12/2023



Approved By :   
(Miss Nunnaphat Bakhuntod)  
(ว-003-ค-0005)  
21/12/2023

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

## Test Report

Request No : W6612142

Report No : 6612-1128

Customer : Meyer Aluminium (Thailand) Co.,Ltd.\*\*  
Address : 38/32 Moo.5 Laem Chabang Industrial Estate, Sriracha, Chonburi 20230\*\*  
Sampling Source : Meyer Aluminium (Thailand) Co.,Ltd.\*\* Sample No : W 66120530  
Sample Name : บริเวณจุดปล่อยน้ำเสียของโครงการลงสู่บ่อพัก###\*\* Sampling Date : 06/12/2023\*\*  
Sampling By : ETC\*\* Sampling Time : 9:15 AM\*\*  
Sampling Method : Grab\*\* Received Date : 07/12/2023  
Tested Date : 07/12/2023 - 16/12/2023 Reported Date : 21/12/2023

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Aluminium @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	1.58	-

Physical Apperance : 1. Sample : yellow, lightly SS

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

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

2. Parameter Outside The Scope of The Registration of Department of Industrial Works

3. @ = ISO/IEC 17025:2017 Accredited by TISI., SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017.

4. Miss Nunnaphat Bakhuntod is Technical Management.

5. \* = Test Report/Sampling marked Not Accredited, Sampling By Mr. Songpon Phiwuan

6. \*\* = These data are non laboratory data. / ### - บริเวณจุดปล่อยน้ำเสียของโครงการลงสู่บ่อพักรับน้ำเสารวมของนิคมฯ



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By : 

(Miss Nunnaphat Bakhuntod)

21/12/2023

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

Request No. W6612142

Report No. 6612-1128

## TEST REPORT

Customer : Meyer Aluminium (Thailand) Co.,Ltd.

Address : 38/32 Moo. 5 Laem Chabang Industrial Estate , Sriracha , Chonburi 20230

Sampling Source : Meyer Aluminium (Thailand) Co.,Ltd. Sample No. : W 66120530

Sample Name : บริเวณจุดปล่อยน้ำเสียของโครงการลงสู่บ่อพัก ## Sampling Date : 06/12/2023

Sampling By : ETC Sampling Time : 9:15 AM

Sampling Method : Grab Received Date : 07/12/2023

Tested Date : 06/12/2023 Reported Date : 21/12/2023

Parameter	Unit	Method	Result	Standard <sup>1)</sup>
Flow Rate	m <sup>3</sup> / sec	Calculation	0.0142	—

Physical Apperance : 1. Sample : yellow, lightly SS

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

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

2. ## บริเวณจุดปล่อยน้ำเสียของโครงการลงสู่บ่อพักรับน้ำเสียรวมของนิคม ฯ

3. Measured by Eastern Thai Consulting 1992 Co., Ltd. : (Flow Meter Model 2030 R)

4. Parameter Outside The Scope of The Registration of Department of Industrial Works

5. Sampling By Mr. Songpon Phiwuan



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By.....



(Miss Apiradee Chuen-arom)

21 / 12 / 2023

REPORTED TESTS REFER TO SUBMITTED SAMPLES ONLY

THIS REPORT SHALL NOT REPRODUCED EXCEPT IN FULL

WITHOUT THE WRITTEN APPROVAL LABORATORY

ผลการตรวจวัดระดับเสียงโดยทั่วไป

**TEST REPORT**

CUSTOMER : Meyer Aluminium (Thailand) Co., Ltd.\*\*  
ADDRESS : 38/32 Moo 5 Laem Chabang Industrial Estate, Sriracha, Chonburi 20230\*\*  
SAMPLE SOURCE : Meyer Aluminium (Thailand) Co., Ltd.\*\*  
SAMPLE POINT : โรงพยาบาลวิภาวดี\*\*  
PARAMETER\* :  $L_{eq}$  1 hr.,  $L_{eq}$  24 hr., &  $L_{dn}$ #  
DETERMINATION METHOD : ISO 1996-1:2016##  
INSTRUMENT : Integrated Sound Level Meter  
S/N 00230994 : Class 1

SAMPLE NO. : 32968  
MEASURING DATE : 09-10/11/2023  
RECEIVED DATE : 10/11/2023  
REPORTED DATE : 15/11/2023

TIME \ DATE	09-10/11/2023 ( $L_{eq}$ )	UNIT
17:00 - 18:00 <sup>/3</sup>	61.5	dB(A)
18:00 - 19:00	61.6	dB(A)
19:00 - 20:00	60.2	dB(A)
20:00 - 21:00	58.8	dB(A)
21:00 - 22:00	57.0	dB(A)
22:00 - 23:00	55.9	dB(A)
23:00 - 00:00	57.3	dB(A)
00:00 - 01:00	55.7	dB(A)
01:00 - 02:00	55.0	dB(A)
02:00 - 03:00	54.9	dB(A)
03:00 - 04:00	55.0	dB(A)
04:00 - 05:00	55.3	dB(A)
05:00 - 06:00	56.8	dB(A)
06:00 - 07:00	60.0	dB(A)
07:00 - 08:00	61.0	dB(A)
08:00 - 09:00	61.1	dB(A)
09:00 - 10:00	59.7	dB(A)
10:00 - 11:00	59.5	dB(A)
11:00 - 12:00	59.4	dB(A)
12:00 - 13:00	58.4	dB(A)
13:00 - 14:00	68.8	dB(A)
14:00 - 15:00	69.0	dB(A)
15:00 - 16:00	69.6	dB(A)
16:00 - 17:00	62.2	dB(A)
$L_{eq}$ 24 hr.	62.4	dB(A)
$L_{dn}$ #	65.1	dB(A)
Standard	$70^{/1}, 70^{/2}$	dB(A)

**REMARK :** # Test Report/Sampling marked 'Not TISI Accredited' in this report are not included in the TISI Accreditation Schedule for our laboratory  
## ISO 1996-1:2016, Notification of The National Environmental Board Volume 15 B.E. 2540 (1997) on General Noise Level Standards, Dated March 12, 1997,  
Notification of The Pollution Control Department on The Calculation of The Noise Level, Dated August 11, 1997,  
Notification of The Department of Industrial Works on Methods for Measuring Noise Annoyance, Noise Level 24-Hour Average and Maximum Noise Level  
From Factory B.E. 2553, Dated December 20, 2010  
<sup>/1</sup> Notification of The National Environmental Board Volume 15 B.E. 2540 (1997)  
<sup>/2</sup> Notification of Ministry of the Industry B.E. 2548 (2005)  
<sup>/3</sup> Start Time  
\* Parameter Outside The Scope of The Registration of The Department of Industrial Works.  
(Ms. Thanatporn Klinsoopon is Section Head, Mrs. Wanpen Lhaochindawat is Technical Management)  
(Measurement By Ms. Jutarat Suksaget)  
\*\* These Data are Non Laboratory Data



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By.....

(MRS. WANPEN LHAOCHINDAWAT)

15/11/2023

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



Request No. LA66-R0908

Report No. R6609-0115

## TEST REPORT

CUSTOMER : Meyer Aluminium (Thailand) Co., Ltd.  
 ADDRESS : 38/32 Moo 5 Laem Chabang Industrial Estate, Sriracha, Chonburi 20230  
 SAMPLE SOURCE : Meyer Aluminium (Thailand) Co., Ltd.  
 SAMPLE POINT : บริเวณริมรั้วด้านทิศเหนือ  
 PARAMETER\* :  $L_{eq}$  1 hr.,  $L_{eq}$  24 hr. &  $L_{dn}$  SAMPLE NO. : 26964  
 DETERMINATION METHOD : ISO 1996-1:2016 MEASURING DATE : 28-29/08/2023  
 INSTRUMENT : Integrated Sound Level Meter RECEIVED DATE : 29/08/2023  
 S/N G301635 : Class 2 REPORTED DATE : 04/09/2023

TIME \ DATE	28-29/08/2023 ( $L_{eq}$ )	UNIT
18:00 - 19:00 <sup>/3</sup>	61.0	dB(A)
19:00 - 20:00	60.9	dB(A)
20:00 - 21:00	59.9	dB(A)
21:00 - 22:00	60.3	dB(A)
22:00 - 23:00	60.2	dB(A)
23:00 - 00:00	61.3	dB(A)
00:00 - 01:00	59.9	dB(A)
01:00 - 02:00	60.2	dB(A)
02:00 - 03:00	60.0	dB(A)
03:00 - 04:00	59.9	dB(A)
04:00 - 05:00	59.8	dB(A)
05:00 - 06:00	61.0	dB(A)
06:00 - 07:00	61.1	dB(A)
07:00 - 08:00	63.2	dB(A)
08:00 - 09:00	60.9	dB(A)
09:00 - 10:00	60.8	dB(A)
10:00 - 11:00	61.6	dB(A)
11:00 - 12:00	60.4	dB(A)
12:00 - 13:00	60.5	dB(A)
13:00 - 14:00	61.0	dB(A)
14:00 - 15:00	60.9	dB(A)
15:00 - 16:00	59.9	dB(A)
16:00 - 17:00	60.6	dB(A)
17:00 - 18:00	61.5	dB(A)
$L_{eq}$ 24 hr.	60.8	dB(A)
$L_{dn}$	66.9	dB(A)
Standard	70 <sup>/1,2</sup>	dB(A)

REMARK : <sup>/1</sup> Notification of Office of The National Environmental Board Volume 15 B.E. 2540 (1997)<sup>/2</sup> Notification of Ministry of the Industry B.E. 2548 (2005)<sup>/3</sup> Start Time

\* Parameter Outside The Scope of The Registration of The Department of Industrial Works  
 (Measurement By Ms. Jutarat Suksaget)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By 

(MRS. WANPEN LHAOCHINDAWAT)

04/09/2023

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

**TEST REPORT**

CUSTOMER : Meyer Aluminium (Thailand) Co., Ltd.\*\*  
ADDRESS : 38/32 Moo 5 Laem Chabang Industrial Estate, Sriracha, Chonburi 20230\*\*  
SAMPLE SOURCE : Meyer Aluminium (Thailand) Co., Ltd.\*\*  
SAMPLE POINT : บริเวณริมรั้วด้านทิศเหนือ\*\*  
PARAMETER\* :  $L_{eq}$  1 hr.,  $L_{eq}$  24 hr. &  $L_{dn}$ #  
DETERMINATION METHOD : ISO 1996-1:2016##  
INSTRUMENT : Integrated Sound Level Meter  
S/N 00322753 : Class 2

SAMPLE NO. : 32964  
MEASURING DATE : 09-10/11/2023  
RECEIVED DATE : 10/11/2023  
REPORTED DATE : 15/11/2023

TIME \ DATE	09-10/11/2023 ( $L_{eq}$ )	UNIT
17:15 - 18:15 <sup>1/3</sup>	63.9	dB(A)
18:15 - 19:15	62.5	dB(A)
19:15 - 20:15	63.6	dB(A)
20:15 - 21:15	62.9	dB(A)
21:15 - 22:15	62.6	dB(A)
22:15 - 23:15	62.4	dB(A)
23:15 - 00:15	62.9	dB(A)
00:15 - 01:15	63.2	dB(A)
01:15 - 02:15	62.8	dB(A)
02:15 - 03:15	62.2	dB(A)
03:15 - 04:15	62.8	dB(A)
04:15 - 05:15	63.3	dB(A)
05:15 - 06:15	62.9	dB(A)
06:15 - 07:15	63.2	dB(A)
07:15 - 08:15	63.3	dB(A)
08:15 - 09:15	62.6	dB(A)
09:15 - 10:15	62.5	dB(A)
10:15 - 11:15	70.8	dB(A)
11:15 - 12:15	62.9	dB(A)
12:15 - 13:15	63.9	dB(A)
13:15 - 14:15	66.4	dB(A)
14:15 - 15:15	66.2	dB(A)
15:15 - 16:15	66.1	dB(A)
16:15 - 17:15	66.4	dB(A)
$L_{eq}$ 24 hr.	64.4	dB(A)
$L_{dn}$ #	69.7	dB(A)
Standard	$70^{1/1}, 70^{2/2}$	dB(A)

**REMARK :** # Test Report/Sampling marked 'Not TISI Accredited' in this report are not included in the TISI Accreditation Schedule for our laboratory  
## ISO 1996-1:2016, Notification of The National Environmental Board Volume 15 B.E. 2540 (1997) on General Noise Level Standards, Dated March 12, 1997,  
Notification of The Pollution Control Department on The Calculation of The Noise Level, Dated August 11, 1997,  
Notification of The Department of Industrial Works on Methods for Measuring Noise Annoyance, Noise Level 24-Hour Average and Maximum Noise Level  
From Factory B.E. 2553, Dated December 20, 2010  
<sup>1/1</sup> Notification of The National Environmental Board Volume 15 B.E. 2540 (1997)  
<sup>2/2</sup> Notification of Ministry of the Industry B.E. 2548 (2005)  
<sup>3/3</sup> Start Time  
\* Parameter Outside The Scope of The Registration of The Department of Industrial Works.  
(Ms. Thanatporn Klinsoon is Section Head, Mrs. Wanpen Lhaochindawat is Technical Management)  
(Measurement By Ms. Jutarat Suksaget)  
\*\* These Data are Non Laboratory Data



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By.....  
(MRS. WANPEN LHAOCHINDAWAT)  
15/11/2023

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

Request No. LA66-R0908

Report No. R6609-0116

## TEST REPORT

CUSTOMER : Meyer Aluminium (Thailand) Co., Ltd.  
 ADDRESS : 38/32 Moo 5 Laem Chabang Industrial Estate, Sriracha, Chonburi 20230  
 SAMPLE SOURCE : Meyer Aluminium (Thailand) Co., Ltd.  
 SAMPLE POINT : บริเวณริมรั้วด้านทิศใต้  
 PARAMETER\* :  $L_{eq}$  1 hr.,  $L_{eq}$  24 hr. &  $L_{dn}$  SAMPLE NO. : 26965  
 DETERMINATION METHOD : ISO 1996-1:2016 MEASURING DATE : 28-29/08/2023  
 INSTRUMENT : Integrated Sound Level Meter RECEIVED DATE : 29/08/2023  
 S/N G301638 : Class 2 REPORTED DATE : 04/09/2023

TIME \ DATE	28-29/08/2023 ( $L_{eq}$ )	UNIT
18:15 - 19:15 <sup>/3</sup>	66.2	dB(A)
19:15 - 20:15	63.8	dB(A)
20:15 - 21:15	63.8	dB(A)
21:15 - 22:15	63.1	dB(A)
22:15 - 23:15	63.1	dB(A)
23:15 - 00:15	63.7	dB(A)
00:15 - 01:15	63.7	dB(A)
01:15 - 02:15	63.5	dB(A)
02:15 - 03:15	63.5	dB(A)
03:15 - 04:15	63.3	dB(A)
04:15 - 05:15	63.0	dB(A)
05:15 - 06:15	64.2	dB(A)
06:15 - 07:15	65.2	dB(A)
07:15 - 08:15	64.0	dB(A)
08:15 - 09:15	65.2	dB(A)
09:15 - 10:15	65.2	dB(A)
10:15 - 11:15	65.5	dB(A)
11:15 - 12:15	63.9	dB(A)
12:15 - 13:15	64.7	dB(A)
13:15 - 14:15	64.9	dB(A)
14:15 - 15:15	65.7	dB(A)
15:15 - 16:15	65.9	dB(A)
16:15 - 17:15	65.5	dB(A)
17:15 - 18:15	65.2	dB(A)
$L_{eq}$ 24 hr.	64.5	dB(A)
$L_{dn}$	70.3	dB(A)
Standard	70 <sup>/1, /2</sup>	dB(A)

REMARK : <sup>/1</sup> Notification of Office of The National Environmental Board Volume 15 B.E. 2540 (1997)<sup>/2</sup> Notification of Ministry of the Industry B.E. 2548 (2005)<sup>/3</sup> Start Time

\* Parameter Outside The Scope of The Registration of The Department of Industrial Works  
 (Measurement By Ms. Jutarat Suksaget)



Approved By

(MRS. WANPEN LHAOCHINDAWAT)

04/09/2023

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**

CUSTOMER : Meyer Aluminium (Thailand) Co., Ltd.\*\*  
ADDRESS : 38/32 Moo 5 Laem Chabang Industrial Estate, Sriracha, Chonburi 20230\*\*  
SAMPLE SOURCE : Meyer Aluminium (Thailand) Co., Ltd.\*\*  
SAMPLE POINT : บริเวณริมรั้วด้านทิศใต้\*\*  
PARAMETER\* :  $L_{eq}$  1 hr.,  $L_{eq}$  24 hr., &  $L_{dn}$ #  
DETERMINATION METHOD : ISO 1996-1:2016##  
INSTRUMENT : Integrated Sound Level Meter  
S/N 00322750 : Class 2

SAMPLE NO. : 32965  
MEASURING DATE : 09-10/11/2023  
RECEIVED DATE : 10/11/2023  
REPORTED DATE : 15/11/2023

TIME \ DATE	09-10/11/2023 ( $L_{eq}$ )	UNIT
17:25 - 18:25 <sup>3</sup>	67.8	dB(A)
18:25 - 19:25	67.8	dB(A)
19:25 - 20:25	66.5	dB(A)
20:25 - 21:25	66.2	dB(A)
21:25 - 22:25	66.3	dB(A)
22:25 - 23:25	64.7	dB(A)
23:25 - 00:25	63.5	dB(A)
00:25 - 01:25	62.9	dB(A)
01:25 - 02:25	63.5	dB(A)
02:25 - 03:25	64.4	dB(A)
03:25 - 04:25	64.2	dB(A)
04:25 - 05:25	63.4	dB(A)
05:25 - 06:25	63.9	dB(A)
06:25 - 07:25	65.1	dB(A)
07:25 - 08:25	65.1	dB(A)
08:25 - 09:25	66.2	dB(A)
09:25 - 10:25	66.8	dB(A)
10:25 - 11:25	66.3	dB(A)
11:25 - 12:25	65.2	dB(A)
12:25 - 13:25	67.3	dB(A)
13:25 - 14:25	68.3	dB(A)
14:25 - 15:25	68.3	dB(A)
15:25 - 16:25	68.0	dB(A)
16:25 - 17:25	67.1	dB(A)
$L_{eq}$ 24 hr.	66.1	dB(A)
$L_{dn}$ #	71.0	dB(A)
Standard	$70^{1/1}, 70^{2/2}$	dB(A)

**REMARK :** # Test Report/Sampling marked 'Not TISI Accredited' in this report are not included in the TISI Accreditation Schedule for our laboratory  
## ISO 1996-1:2016, Notification of The National Environmental Board Volume 15 B.E. 2540 (1997) on General Noise Level Standards, Dated March 12, 1997,  
Notification of The Pollution Control Department on The Calculation of The Noise Level, Dated August 11, 1997,  
Notification of The Department of Industrial Works on Methods for Measuring Noise Annoyance, Noise Level 24-Hour Average and Maximum Noise Level  
From Factory B.E. 2553, Dated December 20, 2010  
<sup>1/1</sup> Notification of The National Environmental Board Volume 15 B.E. 2540 (1997)  
<sup>1/2</sup> Notification of Ministry of the Industry B.E. 2548 (2005)  
<sup>1/3</sup> Start Time  
\* Parameter Outside The Scope of The Registration of The Department of Industrial Works.  
(Ms. Thanatporn Klinsoon is Section Head, Mrs. Wanpen Lhaochindawat is Technical Management)  
(Measurement By Ms. Jutarat Suksaget)  
\*\* These Data are Non Laboratory Data



บริษัท อีสเทิร์นไทยคอนซัลติง 1992 จำกัด

Approved By.....  
(MRS. WANPEN LHAOCHINDAWAT)  
15/11/2023

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

Request No. LA66-R0908

Report No. R6609-0117

## TEST REPORT

CUSTOMER : Meyer Aluminium (Thailand) Co., Ltd.  
 ADDRESS : 38/32 Moo 5 Laem Chabang Industrial Estate, Sriracha, Chonburi 20230  
 SAMPLE SOURCE : Meyer Aluminium (Thailand) Co., Ltd.  
 SAMPLE POINT : บริเวณริมรั้วด้านทิศตะวันออก  
 PARAMETER\* :  $L_{eq}$  1 hr.,  $L_{eq}$  24 hr. &  $L_{dn}$  SAMPLE NO. : 26966  
 DETERMINATION METHOD : ISO 1996-1:2016 MEASURING DATE : 28-29/08/2023  
 INSTRUMENT : Integrated Sound Level Meter RECEIVED DATE : 29/08/2023  
 S/N G301013 : Class 2 REPORTED DATE : 04/09/2023

TIME \ DATE	28-29/08/2023 ( $L_{eq}$ )	UNIT
18:05 - 19:05 <sup>/3</sup>	65.5	dB(A)
19:05 - 20:05	63.0	dB(A)
20:05 - 21:05	64.1	dB(A)
21:05 - 22:05	67.2	dB(A)
22:05 - 23:05	68.4	dB(A)
23:05 - 00:05	65.2	dB(A)
00:05 - 01:05	64.9	dB(A)
01:05 - 02:05	66.2	dB(A)
02:05 - 03:05	63.9	dB(A)
03:05 - 04:05	61.5	dB(A)
04:05 - 05:05	61.0	dB(A)
05:05 - 06:05	65.0	dB(A)
06:05 - 07:05	70.1	dB(A)
07:05 - 08:05	63.6	dB(A)
08:05 - 09:05	65.5	dB(A)
09:05 - 10:05	67.0	dB(A)
10:05 - 11:05	67.1	dB(A)
11:05 - 12:05	63.5	dB(A)
12:05 - 13:05	66.7	dB(A)
13:05 - 14:05	67.9	dB(A)
14:05 - 15:05	68.7	dB(A)
15:05 - 16:05	68.7	dB(A)
16:05 - 17:05	68.6	dB(A)
17:05 - 18:05	66.9	dB(A)
$L_{eq}$ 24 hr.	66.4	dB(A)
$L_{dn}$	72.5	dB(A)
Standard	70 <sup>/1, /2</sup>	dB(A)

REMARK : <sup>/1</sup> Notification of Office of The National Environmental Board Volume 15 B.E. 2540 (1997)<sup>/2</sup> Notification of Ministry of the Industry B.E. 2548 (2005)<sup>/3</sup> Start Time

\* Parameter Outside The Scope of The Registration of The Department of Industrial Works  
 (Measurement By Ms. Jutarat Suksage)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By

(MRS. WANPEN LHAOCHINDAWAT)

04/09/2023

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



**TEST REPORT**

CUSTOMER : Meyer Aluminium (Thailand) Co., Ltd.\*\*  
ADDRESS : 38/32 Moo 5 Laem Chabang Industrial Estate, Sriracha, Chonburi 20230\*\*  
SAMPLE SOURCE : Meyer Aluminium (Thailand) Co., Ltd.\*\*  
SAMPLE POINT : บริเวณริมรั้วด้านทิศตะวันออก\*\*  
PARAMETER\* :  $L_{eq}$  1 hr.,  $L_{eq}$  24 hr., &  $L_{dn}$ #  
DETERMINATION METHOD : ISO 1996-1:2016##  
INSTRUMENT : Integrated Sound Level Meter  
S/N 00222593 : Class 2

SAMPLE NO. : 32967  
MEASURING DATE : 09-10/11/2023  
RECEIVED DATE : 10/11/2023  
REPORTED DATE : 15/11/2023

TIME \ DATE	09-10/11/2023 ( $L_{eq}$ )	UNIT
17:20 - 18:20 <sup>3</sup>	67.8	dB(A)
18:20 - 19:20	65.5	dB(A)
19:20 - 20:20	66.3	dB(A)
20:20 - 21:20	68.5	dB(A)
21:20 - 22:20	69.1	dB(A)
22:20 - 23:20	66.9	dB(A)
23:20 - 00:20	66.6	dB(A)
00:20 - 01:20	69.2	dB(A)
01:20 - 02:20	68.5	dB(A)
02:20 - 03:20	69.5	dB(A)
03:20 - 04:20	67.1	dB(A)
04:20 - 05:20	65.0	dB(A)
05:20 - 06:20	70.9	dB(A)
06:20 - 07:20	70.3	dB(A)
07:20 - 08:20	68.0	dB(A)
08:20 - 09:20	68.0	dB(A)
09:20 - 10:20	71.8	dB(A)
10:20 - 11:20	69.8	dB(A)
11:20 - 12:20	68.4	dB(A)
12:20 - 13:20	70.8	dB(A)
13:20 - 14:20	73.0	dB(A)
14:20 - 15:20	72.8	dB(A)
15:20 - 16:20	72.2	dB(A)
16:20 - 17:20	70.4	dB(A)
$L_{eq}$ 24 hr.	69.6	dB(A)
$L_{dn}$ #	75.2	dB(A)
Standard	$70^{1/1}, 70^{1/2}$	dB(A)

**REMARK :** # Test Report/Sampling marked 'Not TISI Accredited' in this report are not included in the TISI Accreditation Schedule for our laboratory  
## ISO 1996-1:2016, Notification of The National Environmental Board Volume 15 B.E. 2540 (1997) on General Noise Level Standards, Dated March 12, 1997,  
Notification of The Pollution Control Department on The Calculation of The Noise Level, Dated August 11, 1997,  
Notification of The Department of Industrial Works on Methods for Measuring Noise Annoyance, Noise Level 24-Hour Average and Maximum Noise Level  
From Factory B.E. 2553, Dated December 20, 2010  
<sup>1/1</sup> Notification of The National Environmental Board Volume 15 B.E. 2540 (1997)  
<sup>1/2</sup> Notification of Ministry of the Industry B.E. 2548 (2005)  
<sup>1/3</sup> Start Time  
\* Parameter Outside The Scope of The Registration of The Department of Industrial Works.  
(Ms. Thanatporn Klinsoon is Section Head, Mrs. Wanpen Lhaochindawat is Technical Management)  
(Measurement By Ms. Jutarat Suksaget)  
\*\* These Data are Non Laboratory Data



บริษัท อีสเทิร์นไทยคอนซัลติง 1992 จำกัด

Approved By:   
(MRS. WANPEN LHAOCHINDAWAT)

15/11/2023

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

Request No. LA66-R0908

Report No. R6609-0118

## TEST REPORT

CUSTOMER : Meyer Aluminium (Thailand) Co., Ltd.  
 ADDRESS : 38/32 Moo 5 Laem Chabang Industrial Estate, Sriracha, Chonburi 20215  
 SAMPLE SOURCE : Meyer Aluminium (Thailand) Co., Ltd.  
 SAMPLE POINT : บริเวณริมรั้วด้านทิศตะวันตก  
 PARAMETER\* :  $L_{eq}$  1 hr.,  $L_{eq}$  24 hr. &  $L_{dn}$  SAMPLE NO. : 26967  
 DETERMINATION METHOD : ISO 1996-1:2016 MEASURING DATE : 28-29/08/2023  
 INSTRUMENT : Integrated Sound Level Meter RECEIVED DATE : 29/08/2023  
 S/N 01120945 : Class 1 REPORTED DATE : 04/09/2023

TIME \ DATE	28-29/08/2023 ( $L_{eq}$ )	UNIT
18:10 - 19:10 <sup>1/3</sup>	60.0	dB(A)
19:10 - 20:10	61.3	dB(A)
20:10 - 21:10	58.2	dB(A)
21:10 - 22:10	53.5	dB(A)
22:10 - 23:10	55.9	dB(A)
23:10 - 00:10	53.6	dB(A)
00:10 - 01:10	53.9	dB(A)
01:10 - 02:10	52.8	dB(A)
02:10 - 03:10	51.2	dB(A)
03:10 - 04:10	51.0	dB(A)
04:10 - 05:10	51.4	dB(A)
05:10 - 06:10	60.2	dB(A)
06:10 - 07:10	57.8	dB(A)
07:10 - 08:10	62.3	dB(A)
08:10 - 09:10	58.9	dB(A)
09:10 - 10:10	62.1	dB(A)
10:10 - 11:10	58.5	dB(A)
11:10 - 12:10	56.3	dB(A)
12:10 - 13:10	57.0	dB(A)
13:10 - 14:10	57.1	dB(A)
14:10 - 15:10	57.6	dB(A)
15:10 - 16:10	55.6	dB(A)
16:10 - 17:10	56.8	dB(A)
17:10 - 18:10	59.6	dB(A)
$L_{eq}$ 24 hr.	57.9	dB(A)
$L_{dn}$	62.5	dB(A)
Standard	70 <sup>1/, 2/</sup>	dB(A)

REMARK : <sup>1/</sup> Notification of Office of The National Environmental Board Volume 15 B.E. 2540 (1997)<sup>2/</sup> Notification of Ministry of the Industry B.E. 2548 (2005)<sup>3/</sup> Start Time

\* Parameter Outside The Scope of The Registration of The Department of Industrial Works  
 (Measurement By Ms. Jutarat Suksaget)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By

(MRS. WANPEN LHAOCHINDAWAT)

04/09/2023

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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



NSC-TISI-TIS 17025  
TESTING 1712

Request No. LA66-R1135

Report No. R6611-0743

### TEST REPORT

CUSTOMER : Meyer Aluminium (Thailand) Co., Ltd.\*\*  
ADDRESS : 38/32 Moo 5 Laem Chabang Industrial Estate, Sriracha, Chonburi 20230\*\*  
SAMPLE SOURCE : Meyer Aluminium (Thailand) Co., Ltd.\*\*  
SAMPLE POINT : บริเวณริมรั้วด้านทิศตะวันตก\*\*  
PARAMETER\* :  $L_{eq}$  1 hr.,  $L_{eq}$  24 hr., &  $L_{dn}$ #  
DETERMINATION METHOD : ISO 1996-1:2016##  
INSTRUMENT : Integrated Sound Level Meter  
S/N 00322749 : Class 2


SAMPLE NO. : 32966  
MEASURING DATE : 09-10/11/2023  
RECEIVED DATE : 10/11/2023  
REPORTED DATE : 15/11/2023

TIME \ DATE	09-10/11/2023 ( $L_{eq}$ )	UNIT
17:10 - 18:10 <sup>1</sup>	57.8	dB(A)
18:10 - 19:10	59.6	dB(A)
19:10 - 20:10	60.5	dB(A)
20:10 - 21:10	56.0	dB(A)
21:10 - 22:10	56.0	dB(A)
22:10 - 23:10	52.5	dB(A)
23:10 - 00:10	53.8	dB(A)
00:10 - 01:10	53.1	dB(A)
01:10 - 02:10	52.7	dB(A)
02:10 - 03:10	52.5	dB(A)
03:10 - 04:10	52.2	dB(A)
04:10 - 05:10	58.5	dB(A)
05:10 - 06:10	54.6	dB(A)
06:10 - 07:10	61.0	dB(A)
07:10 - 08:10	62.7	dB(A)
08:10 - 09:10	56.6	dB(A)
09:10 - 10:10	59.6	dB(A)
10:10 - 11:10	58.8	dB(A)
11:10 - 12:10	56.8	dB(A)
12:10 - 13:10	57.2	dB(A)
13:10 - 14:10	70.1	dB(A)
14:10 - 15:10	69.3	dB(A)
15:10 - 16:10	70.1	dB(A)
16:10 - 17:10	63.9	dB(A)
$L_{eq}$ 24 hr.	62.6	dB(A)
$L_{dn}$ #	64.9	dB(A)
Standard	$70^{1/1}, 70^{2/2}$	dB(A)

**REMARK :** # Test Report/Sampling marked 'Not TISI Accredited' in this report are not included in the TISI Accreditation Schedule for our laboratory  
## ISO 1996-1:2016, Notification of The National Environmental Board Volume 15 B.E. 2540 (1997) on General Noise Level Standards, Dated March 12, 1997,  
Notification of The Pollution Control Department on The Calculation of The Noise Level, Dated August 11, 1997,  
Notification of The Department of Industrial Works on Methods for Measuring Noise Annoyance, Noise Level 24-Hour Average and Maximum Noise Level  
From Factory B.E. 2553, Dated December 20, 2010  
<sup>1/1</sup> Notification of The National Environmental Board Volume 15 B.E. 2540 (1997)  
<sup>1/2</sup> Notification of Ministry of the Industry B.E. 2548 (2005)  
<sup>1/3</sup> Start Time  
\* Parameter Outside The Scope of The Registration of The Department of Industrial Works.  
(Ms. Thanatporn Klinsonon is Section Head, Mrs. Wanpen Lhaochindawat is Technical Management)  
(Measurement By Ms. Jutarat Suksaget)  
\*\* These Data are Non Laboratory Data



บริษัท อีสเทิร์นไทยคอนซัลติง 1992 จำกัด

Approved By:   
(MRS. WANPEN LHAOCHINDAWAT)  
15/11/2023

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ผลการตรวจวัดระดับเสียงในบริเวณการทำงาน

Request No. LA66-R0908

Report No. R6609-0108

## TEST REPORT

CUSTOMER : Meyer Aluminium (Thailand) Co., Ltd.

ADDRESS : 38/32 Moo 5 Laem Chabang Industrial Estate, Sriracha, Chonburi 20230

SAMPLE SOURCE : Meyer Aluminium (Thailand) Co., Ltd.

SAMPLE POINT : บริเวณเครื่องรีดร้อนและเตาหลอม หมายเลข 2 (Caster & Furnace Machine No.2)

PARAMETER\*\*\* :  $L_{eq}$  1 hr. &  $L_{eq}$  8 hr. SAMPLE NO. : 26957

DETERMINATION METHOD : ISO 11202:2010 MEASURING DATE : 29/08/2023

INSTRUMENT : Integrated Sound Level Meter RECEIVED DATE : 29/08/2023

S/N 00322744 : Class 2 REPORTED DATE : 04/09/2023

MEASURING TIME	RESULT <sup>1</sup>	RESULT <sup>2</sup>	UNIT
10:00-11:00	80	80	dB(A)
11:00-12:00	80	80	dB(A)
12:00-13:00	80	80	dB(A)
13:00-14:00	81	81	dB(A)
14:00-15:00	81	81	dB(A)
15:00-16:00	80	80	dB(A)
16:00-17:00	80	80	dB(A)
17:00-18:00	80	80	dB(A)
$L_{eq}$ 8 hr. (TWA)	80*	80**	dB(A)
Standard	85 <sup>1</sup>	90 <sup>2</sup>	dB(A)

**REMARK :** <sup>1</sup> Notification of The Department of Labour Protection and Welfare B.E. 2561 (2018)

(Published in the Government Gazette on January 26, 2018)

<sup>2</sup> Notification of The Ministry of Industry B.E. 2546 (2003)

\* Based on Criteria 85 dB(A); 3 dB Exchange Rate

\*\* Based on Criteria 90 dB(A); 5 dB Exchange Rate

\*\*\* Parameter have License Registration of Department of Labour Protection and Welfare No. 0403-03-2564-0009

(Measurement By Ms. Jutarat Suksaget)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By

(MRS. WANPEN LHAOCHINDAWAT)

04/09/2023

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY

THIS REPORT SHALL NOT REPRODUCED EXCEPT IN FULL

WITHOUT THE WRITTEN APPROVAL LABORATORY



**TEST REPORT**

CUSTOMER : Meyer Aluminium (Thailand) Co., Ltd.\*\*\*  
ADDRESS : 38/32 Moo 5 Laem Chabang Industrial Estate, Sriracha, Chonburi 20230\*\*\*  
SAMPLE SOURCE : Meyer Aluminium (Thailand) Co., Ltd.\*\*\*  
SAMPLE POINT : บริเวณเครื่องรีดรีดและเตาหลอม หมายเลข 2 (Caster & Furnace Machine No.2)\*\*\*  
PARAMETER\*\*\*\* :  $L_{eq}$  1 hr. &  $L_{eq}$  8 hr. SAMPLE NO. : 32959  
DETERMINATION METHOD : ISO 11202:2010## MEASURING DATE : 10/11/2023  
INSTRUMENT : Integrated Sound Level Meter RECEIVED DATE : 10/11/2023  
S/N 00322757 : Class 2 REPORTED DATE : 15/11/2023

MEASURING TIME	RESULT <sup>1</sup>	RESULT <sup>2</sup>	UNIT
08:45-09:45	82	82	dB(A)
09:45-10:45	82	82	dB(A)
10:45-11:45	80	80	dB(A)
11:45-12:45	82	82	dB(A)
12:45-13:45	82	82	dB(A)
13:45-14:45	81	81	dB(A)
14:45-15:45	81	81	dB(A)
15:45-16:45	82	82	dB(A)
$L_{eq}$ 8 hr. (TWA)	81*	81**	dB(A)
Standard	85 <sup>1</sup>	90 <sup>2</sup>	dB(A)

**REMARK :** ## ISO 11202:2010, Notification of The Ministry of Industry B.E. 2546 (2003) on The Safety Protection Measures in Factory Regarding Working Area Environment, Dated November 6, 2003, Notification of The Department of Labour Protection and Welfare on The Standard of Noise Level That Employees are Allowed to Receive in Average Period of Work Each Day, Dated December 13, 2017, Notification of The Department of Labour Protection and Welfare on Criteria, Measurement Methods, and Analysis of Working Conditions Regarding Heat, Light, or Noise Levels, Including Duration and Types of Businesses to Be Performed, Dated February 8, 2018

<sup>1</sup> Notification of The Department of Labour Protection and Welfare B.E. 2561 (2018)

(Published in the Government Gazette on January 26, 2018)

<sup>2</sup> Notification of The Ministry of Industry B.E. 2546 (2003)

\* Based on Criteria 85 dB(A); 3 dB Exchange Rate

\*\* Based on Criteria 90 dB(A); 5 dB Exchange Rate

\*\*\* These Data are Non Laboratory Data

\*\*\*\* Parameter have License Registration of Department of Labour Protection and Welfare No. 0403-03-2564-0009

(Ms. Thanatporn Klinsoon is Section Head / Mrs. Wanpen Lhaochindawat is Technical Management)

(Measurement By Ms. Jutarat Suksaget)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By

(MRS. WANPEN LHAOCHINDAWAT)

15/11/2023

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY

THIS REPORT SHALL NOT REPRODUCED EXCEPT IN FULL

WITHOUT THE WRITTEN APPROVAL LABORATORY

Request No. LA66-R0908

Report No. R6609-0110

## TEST REPORT

CUSTOMER : Meyer Aluminium (Thailand) Co., Ltd.  
 ADDRESS : 38/32 Moo 5 Laem Chabang Industrial Estate, Sriracha, Chonburi 20230  
 SAMPLE SOURCE : Meyer Aluminium (Thailand) Co., Ltd.  
 SAMPLE POINT : บริเวณด้านหลังเครื่องปั๊มหมายเลข 2 (X-Y Blanking Machine No. 2)  
 PARAMETER\*\*\* :  $L_{eq}$  1 hr. &  $L_{eq}$  8 hr. SAMPLE NO. : 26959  
 DETERMINATION METHOD : ISO 11202:2010 MEASURING DATE : 29/08/2023  
 INSTRUMENT : Integrated Sound Level Meter RECEIVED DATE : 29/08/2023  
 S/N 00322748 : Class 2 REPORTED DATE : 04/09/2023

MEASURING TIME	RESULT <sup>1</sup>	RESULT <sup>2</sup>	UNIT
09:00-10:00	83	83	dB(A)
10:00-11:00	83	83	dB(A)
11:00-12:00	82	82	dB(A)
12:00-13:00	84	84	dB(A)
13:00-14:00	84	84	dB(A)
14:00-15:00	80	80	dB(A)
15:00-16:00	84	84	dB(A)
16:00-17:00	83	83	dB(A)
$L_{eq}$ 8 hr. (TWA)	83*	82**	dB(A)
Standard	85 <sup>1</sup>	90 <sup>2</sup>	dB(A)

**REMARK :** <sup>1</sup> Notification of The Department of Labour Protection and Welfare B.E. 2561 (2018)

(Published in the Government Gazette on January 26, 2018)

<sup>2</sup> Notification of The Ministry of Industry B.E. 2546 (2003)

\* Based on Criteria 85 dB(A); 3 dB Exchange Rate

\*\* Based on Criteria 90 dB(A); 5 dB Exchange Rate

\*\*\* Parameter have License Registration of Department of Labour Protection and Welfare No. 0403-03-2564-0009

(Measurement By Ms. Jutarat Suksaget)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By

(MRS. WANPEN LHAOCHINDAWAT)

04/09/2023

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY

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**TEST REPORT**

CUSTOMER : Meyer Aluminium (Thailand) Co., Ltd.\*\*\*  
ADDRESS : 38/32 Moo 5 Laem Chabang Industrial Estate, Sriracha, Chonburi 20230\*\*\*  
SAMPLE SOURCE : Meyer Aluminium (Thailand) Co., Ltd.\*\*\*  
SAMPLE POINT : บริเวณด้านหลังเครื่องปั๊ม หมายเลข 2 (X-Y Blanking Machine No. 2)\*\*\*  
PARAMETER\*\*\*\* :  $L_{eq}$  1 hr. &  $L_{eq}$  8 hr. SAMPLE NO. : 32960  
DETERMINATION METHOD : ISO 11202:2010## MEASURING DATE : 10/11/2023  
INSTRUMENT : Integrated Sound Level Meter RECEIVED DATE : 10/11/2023  
S/N 00322748 : Class 2 REPORTED DATE : 15/11/2023

MEASURING TIME	RESULT <sup>1</sup>	RESULT <sup>2</sup>	UNIT
08:30-09:30	82	82	dB(A)
09:30-10:30	81	81	dB(A)
10:30-11:30	81	81	dB(A)
11:30-12:30	82	82	dB(A)
12:30-13:30	83	83	dB(A)
13:30-14:30	83	83	dB(A)
14:30-15:30	83	83	dB(A)
15:30-16:30	83	83	dB(A)
$L_{eq}$ 8 hr. (TWA)	82*	82**	dB(A)
Standard	85 <sup>1</sup>	90 <sup>2</sup>	dB(A)

**REMARK :** ## ISO 11202:2010, Notification of The Ministry of Industry B.E. 2546 (2003) on The Safety Protection Measures in Factory Regarding Working Area Environment, Dated November 6, 2003, Notification of The Department of Labour Protection and Welfare on The Standard of Noise Level That Employees are Allowed to Receive in Average Period of Work Each Day, Dated December 13, 2017, Notification of The Department of Labour Protection and Welfare on Criteria, Measurement Methods, and Analysis of Working Conditions Regarding Heat, Light, or Noise Levels, Including Duration and Types of Businesses to Be Performed, Dated February 8, 2018

<sup>1</sup> Notification of The Department of Labour Protection and Welfare B.E. 2561 (2018)

(Published in the Government Gazette on January 26, 2018)

<sup>2</sup> Notification of The Ministry of Industry B.E. 2546 (2003)

\* Based on Criteria 85 dB(A); 3 dB Exchange Rate

\*\* Based on Criteria 90 dB(A); 5 dB Exchange Rate

\*\*\* These Data are Non Laboratory Data

\*\*\*\* Parameter have License Registration of Department of Labour Protection and Welfare No. 0403-03-2564-0009

(Ms. Thanatporn Klinsoon is Section Head / Mrs. Wanpen Lhaochindawat is Technical Management)

(Measurement By Ms. Jutarat Suksaget)



Approved By

  
(MRS. WANPEN LHAOCHINDAWAT)

15/11/2023

บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด  
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ผลการตรวจวัดระดับความร้อนในบริเวณการทำงาน

Request No. LA66-R0816

Report No. R6608-3952

## TEST REPORT

CUSTOMER : Meyer Aluminium (Thailand) Co., Ltd.

ADDRESS : 38/32 Moo 5 Laem Chabang Industrial Estate, Sriracha, Chonburi 20230

SAMPLE SOURCE : Meyer Aluminium (Thailand) Co., Ltd.

SAMPLE POINT : บริเวณเตาหลอมและเตาพัก #2 (ตรวจวัดบริเวณที่ห่างจากด้านหน้าเตา 1 เมตร) Furnace Section #2

MEASURING DATE : 08/08/2023 SAMPLE NO. : 25098

SAMPLING INSTRUMENT : Heat Stress ; RECEIVED DATE : 08/08/2023

Wet Bulb Globe Temperature (WBGT) ; REPORTED DATE : 11/08/2023

Serial No. TPH060001

PARAMETER*	SAMPLING TIME	RESULT				
		NWB	GT	DB	WBGT	UNIT
Heat Stress	11:15-11:45	27.5	37.5	33.8	30.5	°C
	11:45-12:15	27.4	37.7	33.6	30.5	°C
	12:15-12:45	27.3	37.8	34.0	30.5	°C
	12:45-13:15	27.2	38.3	34.3	30.5	°C
WBGT AVERAGE	11:15-13:15	-	-	-	30.5	°C
STANDARD		-	-	-	32.0 <sup>1/2</sup>	°C

## REMARK:

Work Load is Moderate, Indoor

<sup>1/</sup> Regulation of The Ministry of Labour B.E. 2559 (2016)<sup>2/</sup> Notification of The Ministry of Industry B.E. 2546 (2003)

NWB = Natural Wet - Bulb Temperature

GT = Globe Temperature

DB = Dry - Bulb Temperature

WBGT = Wet - Bulb Globe Temperature

\* Parameter have License Registration of Department of Labour Protection and Welfare No. 0401-03-2564-0009  
(Measurement By Ms. Savita Kittinoavarat)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By.....



(MRS. WANPEN LHAOCHINDAWAT)

11/08/2023

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY

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WITHOUT THE WRITTEN APPROVAL LABORATORY



Request No. LA66-R0916

Report No. R6609-0252

## TEST REPORT

CUSTOMER : Meyer Aluminium (Thailand) Co., Ltd.

ADDRESS : 38/32 Moo 5 Laem Chabang Industrial Estate, Sriracha, Chonburi 20230

SAMPLE SOURCE : Meyer Aluminium (Thailand) Co., Ltd.

SAMPLE POINT : บริเวณเตาหลอมและเตาพัก #2 (ตรวจวัดบริเวณที่ห่างจากด้านหน้าเตา 1 เมตร) Furnace Section #2

MEASURING DATE : 07/09/2023 SAMPLE NO. : 27102

SAMPLING INSTRUMENT : Heat Stress ; RECEIVED DATE : 07/09/2023

Wet Bulb Globe Temperature (WBGT) ; REPORTED DATE : 11/09/2023

Serial No. TEU080014

PARAMETER*	SAMPLING TIME	RESULT				
		NWB	GT	DB	WBGT	UNIT
Heat Stress	11:10-11:40	27.6	37.2	33.8	30.5	°C
	11:40-12:10	27.5	36.7	33.4	30.3	°C
	12:10-12:40	28.3	38.5	34.8	31.4	°C
	12:40-13:10	27.2	36.8	33.7	30.1	°C
WBGT AVERAGE	11:10-13:10	-	-	-	30.5	°C
STANDARD		-	-	-	32.0 <sup>/1,2</sup>	°C

## REMARK:

Work Load is Moderate, Indoor

<sup>/1</sup> Regulation of The Ministry of Labour B.E. 2559 (2016)<sup>/2</sup> Notification of The Ministry of Industry B.E. 2546 (2003)

NWB = Natural Wet - Bulb Temperature

GT = Globe Temperature

DB = Dry - Bulb Temperature

WBGT = Wet - Bulb Globe Temperature

\* Parameter have License Registration of Department of Labour Protection and Welfare No. 0401-03-2564-0009

(Measurement By Ms. Jutarat Suksaget)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By.....



(MRS. WANPEN LHAOCHINDAWAT)

11/09/2023

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY

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Request No. LA66-R1011

Report No. R6610-0352

## TEST REPORT

CUSTOMER : Meyer Aluminium (Thailand) Co., Ltd.

ADDRESS : 38/32 Moo 5 Laem Chabang Industrial Estate, Sriracha, Chonburi 20230

SAMPLE SOURCE : Meyer Aluminium (Thailand) Co., Ltd.

SAMPLE POINT : บริเวณเตาหลอมและเตาพัก #2 (ตรวจวัดบริเวณที่ห่างจากด้านบนเตา 1 เมตร) Furnace Section #2

MEASURING DATE : 04/10/2023 SAMPLE NO. : 29749

SAMPLING INSTRUMENT : Heat Stress ; RECEIVED DATE : 04/10/2023  
Wet Bulb Globe Temperature (WBGT) ; REPORTED DATE : 07/10/2023  
Serial No. TPI050069

PARAMETER*	SAMPLING TIME	RESULT				
		NWB	GT	DB	WBGT	UNIT
Heat Stress	11:30-12:00	28.4	37.5	33.5	31.1	°C
	12:00-12:30	28.4	38.2	34.2	31.3	°C
	12:30-13:00	28.3	37.6	33.8	31.1	°C
	13:00-13:30	28.0	37.5	33.9	30.9	°C
WBGT AVERAGE	11:30-13:30	-	-	-	31.1	°C
STANDARD		-	-	-	32.0 <sup>1/2</sup>	°C

## REMARK:

Work Load is Moderate, Indoor

<sup>1/</sup> Regulation of The Ministry of Labour B.E. 2559 (2016)<sup>2/</sup> Notification of The Ministry of Industry B.E. 2546 (2003)

NWB = Natural Wet - Bulb Temperature

GT = Globe Temperature

DB = Dry - Bulb Temperature

WBGT = Wet - Bulb Globe Temperature

\* Parameter have License Registration of Department of Labour Protection and Welfare No. 0401-03-2564-0009

(Measurement By Ms. Pornnapa Phongphet)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By.....



(MRS. WANPEN LHAOCHINDAWAT)

07/10/2023

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY

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WITHOUT THE WRITTEN APPROVAL LABORATORY

Request No. LA66-R1135

Report No. R6611-0733

## TEST REPORT

CUSTOMER : Meyer Aluminium (Thailand) Co., Ltd.

ADDRESS : 38/32 Moo 5 Laem Chabang Industrial Estate, Sriracha, Chonburi 20230

SAMPLE SOURCE : Meyer Aluminium (Thailand) Co., Ltd.

SAMPLE POINT : บริเวณเตาหลอมและเตาพัก #2 (ตรวจวัดบริเวณที่ห่างจากด้านหน้าเตา 1 เมตร) Furnace Section #2

MEASURING DATE : 09/11/2023 SAMPLE NO. : 32956

SAMPLING INSTRUMENT : Heat Stress ; RECEIVED DATE : 10/11/2023

Wet Bulb Globe Temperature (WBGT) ; REPORTED DATE : 15/11/2023

Serial No. TEU080015

PARAMETER*	SAMPLING TIME	RESULT				
		NWB	GT	DB	WBGT	UNIT
Heat Stress	11:05-11:35	28.2	39.6	33.3	31.6	°C
	11:35-12:05	28.7	41.1	33.9	32.4	°C
	12:05-12:35	27.5	35.3	32.1	29.8	°C
	12:35-13:05	27.6	37.2	32.1	30.5	°C
WBGT AVERAGE	11:05-13:05	-	-	-	31.1	°C
STANDARD		-	-	-	32.0 <sup>/1,2</sup>	°C

## REMARK:

Work Load is Moderate, Indoor

<sup>/1</sup> Regulation of The Ministry of Labour B.E. 2559 (2016)<sup>/2</sup> Notification of The Ministry of Industry B.E. 2546 (2003)

NWB = Natural Wet - Bulb Temperature

GT = Globe Temperature

DB = Dry - Bulb Temperature

WBGT = Wet - Bulb Globe Temperature

\* Parameter have License Registration of Department of Labour Protection and Welfare No. 0401-03-2564-0009  
(Measurement By Ms. Jutarat Suksaget)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By.....

(MRS. WANPEN LHAOCHINDAWAT)

15/11/2023

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Request No. LA66-R1225

Report No. R6612-0473

## TEST REPORT

CUSTOMER : Meyer Aluminium (Thailand) Co., Ltd.

ADDRESS : 38/32 Moo 5 Laem Chabang Industrial Estate, Sriracha, Chonburi 20230

SAMPLE SOURCE : Meyer Aluminium (Thailand) Co., Ltd.

SAMPLE POINT : บริเวณเตาหลอมและเตาพัก #2 (ตรวจวัดบริเวณที่ห่างจากด้านหน้าเตา 1 เมตร) Furnace Section #2

MEASURING DATE : 12/12/2023 SAMPLE NO. : 34318

SAMPLING INSTRUMENT : Heat Stress ; RECEIVED DATE : 12/12/2023

Wet Bulb Globe Temperature (WBGT) ; REPORTED DATE : 14/12/2023

Serial No. TPL060039

PARAMETER*	SAMPLING TIME	RESULT				
		NWB	GT	DB	WBGT	UNIT
Heat Stress	11:00-11:30	27.2	38.7	33.4	30.7	°C
	11:30-12:00	27.8	39.1	34.2	31.2	°C
	12:00-12:30	28.9	39.4	34.8	32.1	°C
	12:30-13:00	28.6	39.2	34.7	31.8	°C
WBGT AVERAGE	11:00-13:00	-	-	-	31.4	°C
STANDARD		-	-	-	32.0 <sup>1/2</sup>	°C

**REMARK:**

Work Load is Moderate, Indoor

<sup>1/1</sup> Regulation of The Ministry of Labour B.E. 2559 (2016)<sup>1/2</sup> Notification of The Ministry of Industry B.E. 2546 (2003)

NWB = Natural Wet - Bulb Temperature

GT = Globe Temperature

DB = Dry - Bulb Temperature

WBGT = Wet - Bulb Globe Temperature

\* Parameter have License Registration of Department of Labour Protection and Welfare No. 0401-03-2564-0009

(Measurement By Ms. Pornapa Phongphet)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By.....

(MRS. WANPEN LHAOCHINDAWAT)

14/12/2023

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