

ผลการทดสอบคุณภาพอากาศในปล่องระบาย

Request No. LA65-0923

Report No. 6509-0525

## 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 : 13/09/2022 SAMPLE NO. : 04811  
 RECEIVED DATE : 14/09/2022 SAMPLING TIME : 09:40-09:45  
 TESTED DATE : 14-21/09/2022 REPORTED DATE : 29/09/2022

## STACK DESCRIPTION

Height :	26.32	m	Type of Process :	Combustion
Diameter :	1.85	m	Type of Fuel :	Natural Gas
Temperature :	112.40	°C	Oxygen Content :	18.10 %
Air Velocity :	10.71	m/s	Barometric Pressure :	757.75 mm.Hg
Flow rate <sup>4</sup> :	21.26	m <sup>3</sup> /s	Atmospheric Temperature :	30.00 °C
Moisture Content :	4.26	%		

PARAMETER*	TEST METHOD	TIME	RESULT <sup>4</sup>		STD <sup>1</sup>	UNIT
			18.10 % O <sub>2</sub>	7 % O <sub>2</sub>		
Oxides of Nitrogen (NO <sub>x</sub> as NO <sub>2</sub> )	Chemical Absorption,	09:40-09:45	10.6	52.6	376, 339 <sup>3</sup>	mg/m <sup>3</sup>
	Colorimetric		5.6	27.8	200, 180 <sup>3</sup>	ppm
			1.044	-	3.36 <sup>2</sup>	kg/rai/day

## REMARK:

<sup>1</sup> NOTIFICATION OF THE MINISTRY OF INDUSTRY B.E. 2549 (2006)<sup>2</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>3</sup> STANDARD OF EIA REPORT<sup>4</sup> DRY BASIS (25°C, 760 mm.Hg)

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

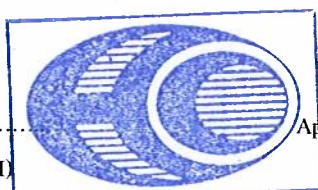
Examined By



(MISS APIRADEE CHUEN-AROM)

(ว-003-ค-4377)

29/09/2022



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By



(MR. THONGCHAI BOONSAK)

(ว-003-ค-5618)

29/09/2022

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 THIS REPORT SHALL NOT REPRODUCED EXCEPT IN FULL  
 WITHOUT THE WRITTEN APPROVAL LABORATORY

Request No. LA65-0923

Report No. 6509-0523

## 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 : 13/09/2022 SAMPLE NO. : 04809  
 RECEIVED DATE : 14/09/2022 SAMPLING TIME : 09:20-09:50  
 TESTED DATE : 14-19/09/2022 REPORTED DATE : 29/09/2022

## STACK DESCRIPTION

Height :	26.32	m	Type of Process :	Combustion
Diameter :	1.85	m	Type of Fuel :	Natural Gas
Temperature :	112.40	°C	Oxygen Content :	18.10 %
Air Velocity :	10.71	m/s	Barometric Pressure :	757.75 mm.Hg
Flow rate <sup>4</sup> :	21.26	m <sup>3</sup> /s	Atmospheric Temperature :	30.00 °C
Moisture Content :	4.26	%		

PARAMETER*	TEST METHOD	TIME	RESULT <sup>4</sup>		STD <sup>1</sup>	UNIT
			18.10 % O <sub>2</sub>	7 % O <sub>2</sub>		
Particulate	Isokinetic, Gravimetric	09:20-09:50	6.8	33.8	240, 150 <sup>3</sup>	mg/m <sup>3</sup>
(TSP)			0.670	-	2.72 <sup>2</sup>	kg/rai/day

**REMARK:**<sup>1</sup> NOTIFICATION OF THE MINISTRY OF INDUSTRY B.E. 2549 (2006)<sup>2</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>3</sup> STANDARD OF EIA REPORT<sup>4</sup> DRY BASIS (25°C, 760 mm.Hg)

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

Examined By

(MISS APIRADEE CHUEN-AROM)

(ว-003-ค-4377)

29/09/2022



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By

Thongchai Boonsak

(MR. THONGCHAI BOONSAK)

(ว-003-ค-5618)

29/09/2022

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Request No. LA65-0923

Report No. 6509-0527

## 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 : 13/09/2022

SAMPLE NO. : 04813-04815

RECEIVED DATE : 14/09/2022

SAMPLING TIME : 09:20-09:50

TESTED DATE : 13-14/09/2022

REPORTED DATE : 29/09/2022

## STACK DESCRIPTION

Height : 26.32 m  
Diameter : 1.85 m  
Temperature : 112.40 °C  
Air Velocity : - m/s  
Flow rate : - m<sup>3</sup>/s  
Moisture Content : 4.26 %

Type of Process : Combustion  
Type of Fuel : Natural Gas  
Oxygen Content : 18.10 %  
Barometric Pressure : 757.75 mm.Hg  
Atmospheric Temperature : 30.00 °C

PARAMETER*	TEST METHOD	TIME	RESULT <sup>1</sup>	UNIT
Static pressure	Pilot tube Technique (U.S.EPA Method 2)	09:20-09:50	-0.124906476	mbar
Air Velocity	Pilot tube Technique (U.S.EPA Method 2)	09:20-09:50	10.71	m/s
Flow rate <sup>1</sup>	Pilot tube Technique (U.S.EPA Method 2)	09:20-09:50	21.26	m <sup>3</sup> /s

**REMARK:**<sup>1</sup> DRY BASIS (25°C, 760 mm.Hg)

\* PARAMETER OUTSIDE THE SCOPE OF THE REGISTRATION

OF THE MINISTRY OF INDUSTRY

SAMPLING BY MR. TEERAPONG NAULIN



บริษัท อีสเทิร์นไทยคอนซัลต์ติ้ง 1992 จำกัด

Approved By.....

Thongchai Boonsak

(MR. THONGCHAI BOONSAK)

29/09/2022

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ผลการทดสอบคุณภาพอากาศในบรรยากาศ



Request No. ATR6509038

Report No. 6509-0653 - 6509-0659

## 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 : 21/09/2022 SAMPLE NO. : A65090653 - A65090659  
TESTED DATE : 21/09/2022-27/09/2022 REPORTED DATE : 29/09/2022

PARAMETER*	TEST METHOD	SAMPLING DATE	RESULT	STD <sup>1</sup>	UNIT
Particulate matter less than or Equal					
10 micrometers (PM 10)	Gravimetric Method	10-11/09/2022	0.040	0.12	mg/m <sup>3</sup>
		11-12/09/2022	0.076	0.12	mg/m <sup>3</sup>
		12-13/09/2022	0.043	0.12	mg/m <sup>3</sup>
		13-14/09/2022	0.045	0.12	mg/m <sup>3</sup>
		14-15/09/2022	0.047	0.12	mg/m <sup>3</sup>
		15-16/09/2022	0.034	0.12	mg/m <sup>3</sup>
		16-17/09/2022	0.033	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 Klinsonpon)

29/09/2022

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Request No. ATR6509038

Report No. 6509-0660 - 6509-0666

## 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 : 21/09/2022 SAMPLE NO. : A65090660 - A65090666  
 TESTED DATE : 21/09/2022-27/09/2022 REPORTED DATE : 29/09/2022

PARAMETER*	TEST METHOD	SAMPLING DATE	RESULT	STD <sup>1</sup>	UNIT
Particulate matter less than or Equal					
10 micrometers (PM 10)	Gravimetric Method	10-11/09/2022	0.027	0.12	mg/m <sup>3</sup>
		11-12/09/2022	0.028	0.12	mg/m <sup>3</sup>
		12-13/09/2022	0.036	0.12	mg/m <sup>3</sup>
		13-14/09/2022	0.029	0.12	mg/m <sup>3</sup>
		14-15/09/2022	0.038	0.12	mg/m <sup>3</sup>
		15-16/09/2022	0.031	0.12	mg/m <sup>3</sup>
		16-17/09/2022	0.021	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)

29/09/2022

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Request No. LA65-R0959

Report No. R6509-4116 – R6509-4122

## 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. : 28205-28211  
 PARAMETER\* : Nitrogen Dioxide SAMPLING DATE : 10-17/09/2022  
 DETERMINATION METHOD : Chemiluminescence RECEIVED DATE : 17/09/2022  
 INSTRUMENT : API Model T200 S/N 6756 REPORTED DATE : 22/09/2022

TIME / DATE	10-11/09/2022	11-12/09/2022	12-13/09/2022	UNIT
10:00 – 11:00 <sup>2</sup>	0.003	0.018	0.002	ppm
11:00 – 12:00	0.018	0.006	0.007	ppm
12:00 – 13:00	0.001	0.001	0.010	ppm
13:00 – 14:00	0.001	0.001	0.001	ppm
14:00 – 15:00	0.001	0.001	0.001	ppm
15:00 – 16:00	0.001	0.001	0.001	ppm
16:00 – 17:00	0.002	0.001	0.001	ppm
17:00 – 18:00	0.001	0.003	0.001	ppm
18:00 – 19:00	0.001	0.005	0.007	ppm
19:00 – 20:00	0.002	0.006	0.004	ppm
20:00 – 21:00	0.003	0.008	0.002	ppm
21:00 – 22:00	0.006	0.009	0.003	ppm
22:00 – 23:00	0.006	0.009	0.003	ppm
23:00 – 00:00	0.004	0.007	0.003	ppm
00:00 – 01:00	0.004	0.004	0.003	ppm
01:00 – 02:00	0.004	0.003	0.003	ppm
02:00 – 03:00	0.003	0.003	0.009	ppm
03:00 – 04:00	0.003	0.003	0.010	ppm
04:00 – 05:00	0.003	0.002	0.002	ppm
05:00 – 06:00	0.003	0.002	0.003	ppm
06:00 – 07:00	0.002	0.011	0.003	ppm
07:00 – 08:00	0.002	0.010	0.004	ppm
08:00 – 09:00	0.002	0.004	0.005	ppm
09:00 – 10:00	0.003	0.002	0.003	ppm
Maximum 1 hr.	0.018	0.018	0.010	ppm
Average 24 hr.	0.003	0.005	0.004	ppm
Standard (1 hr.) <sup>1</sup>	0.17	0.17	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)

Approved By.....

(MS. THANATPORN KLINSOPON)

22/09/2022

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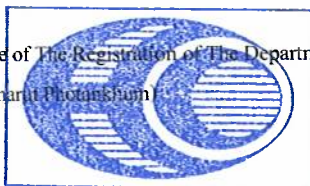
Request No. LA65-R0959

Report No. R6509-4116 – R6509-4122

## 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. : 28205-28211  
 PARAMETER\* : Nitrogen Dioxide SAMPLING DATE : 10-17/09/2022  
 DETERMINATION METHOD : Chemiluminescence RECEIVED DATE : 17/09/2022  
 INSTRUMENT : API Model T200 S/N 6756 REPORTED DATE : 22/09/2022

TIME / DATE	13-14/09/2022	14-15/09/2022	15-16/09/2022	UNIT
10:00 – 11:00 <sup>2</sup>	0.001	0.003	0.002	ppm
11:00 – 12:00	0.001	0.009	0.002	ppm
12:00 – 13:00	0.001	0.019	0.002	ppm
13:00 – 14:00	0.001	0.002	0.001	ppm
14:00 – 15:00	0.001	0.001	<0.001	ppm
15:00 – 16:00	0.003	0.002	0.001	ppm
16:00 – 17:00	0.006	0.001	<0.001	ppm
17:00 – 18:00	0.009	0.004	0.001	ppm
18:00 – 19:00	0.008	0.004	<0.001	ppm
19:00 – 20:00	0.009	0.004	0.001	ppm
20:00 – 21:00	0.008	0.005	0.002	ppm
21:00 – 22:00	0.009	0.005	0.004	ppm
22:00 – 23:00	0.009	0.004	0.009	ppm
23:00 – 00:00	0.009	0.004	0.007	ppm
00:00 – 01:00	0.008	0.004	0.005	ppm
01:00 – 02:00	0.010	0.004	0.006	ppm
02:00 – 03:00	0.020	0.004	0.006	ppm
03:00 – 04:00	0.019	0.004	0.007	ppm
04:00 – 05:00	0.006	0.004	0.009	ppm
05:00 – 06:00	0.006	0.003	0.008	ppm
06:00 – 07:00	0.006	0.002	0.009	ppm
07:00 – 08:00	0.006	0.003	0.007	ppm
08:00 – 09:00	0.006	0.005	0.006	ppm
09:00 – 10:00	0.005	0.004	0.003	ppm
Maximum 1 hr.	0.020	0.019	0.009	ppm
Average 24 hr.	0.007	0.004	0.005	ppm
Standard (1 hr.) <sup>1</sup>	0.17	0.17	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. Tummarat Photankham)

บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By.....

(MS. THANATPORN KLINSOPON)

22/09/2022

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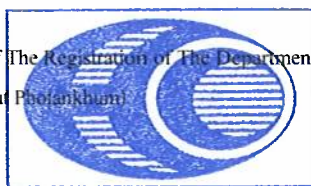
Request No. LA65-R0959

Report No. R6509-4116 – R6509-4122

## 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. : 28205-28211  
 PARAMETER\* : Nitrogen Dioxide SAMPLING DATE : 10-17/09/2022  
 DETERMINATION METHOD : Chemiluminescence RECEIVED DATE : 17/09/2022  
 INSTRUMENT : API Model T200 S/N 6756 REPORTED DATE : 22/09/2022

TIME / DATE	16-17/09/2022	UNIT
10:00 – 11:00 <sup>2</sup>	0.002	ppm
11:00 – 12:00	0.005	ppm
12:00 – 13:00	0.002	ppm
13:00 – 14:00	0.001	ppm
14:00 – 15:00	<0.001	ppm
15:00 – 16:00	0.001	ppm
16:00 – 17:00	0.001	ppm
17:00 – 18:00	0.001	ppm
18:00 – 19:00	0.001	ppm
19:00 – 20:00	0.001	ppm
20:00 – 21:00	0.001	ppm
21:00 – 22:00	0.001	ppm
22:00 – 23:00	0.003	ppm
23:00 – 00:00	0.005	ppm
00:00 – 01:00	0.006	ppm
01:00 – 02:00	0.006	ppm
02:00 – 03:00	0.005	ppm
03:00 – 04:00	0.004	ppm
04:00 – 05:00	0.004	ppm
05:00 – 06:00	0.005	ppm
06:00 – 07:00	0.012	ppm
07:00 – 08:00	0.026	ppm
08:00 – 09:00	0.006	ppm
09:00 – 10:00	0.003	ppm
Maximum 1 hr.	0.026	ppm
Average 24 hr.	0.004	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 อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By.....

(MS. THANATPORN KLINSOPON)

22/09/2022

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Request No. LA65-R0959

Report No. R6509-4109 – R6509-4115

## 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. : 28198-28204  
 PARAMETER\* : Nitrogen Dioxide SAMPLING DATE : 10-17/09/2022  
 DETERMINATION METHOD : Chemiluminescence RECEIVED DATE : 17/09/2022  
 INSTRUMENT : API Model T200 S/N 6758 REPORTED DATE : 22/09/2022

TIME / DATE	10-11/09/2022	11-12/09/2022	12-13/09/2022	UNIT
10:00 – 11:00 <sup>2</sup>	0.005	0.017	0.012	ppm
11:00 – 12:00	0.006	0.024	0.013	ppm
12:00 – 13:00	0.012	0.015	0.014	ppm
13:00 – 14:00	0.012	0.017	0.013	ppm
14:00 – 15:00	0.012	0.019	0.021	ppm
15:00 – 16:00	0.019	0.024	0.019	ppm
16:00 – 17:00	0.027	0.021	0.012	ppm
17:00 – 18:00	0.034	0.022	0.010	ppm
18:00 – 19:00	0.022	0.021	0.018	ppm
19:00 – 20:00	0.018	0.012	0.015	ppm
20:00 – 21:00	0.011	0.018	0.022	ppm
21:00 – 22:00	0.004	0.018	0.016	ppm
22:00 – 23:00	0.008	0.011	0.012	ppm
23:00 – 00:00	0.005	0.012	0.010	ppm
00:00 – 01:00	0.005	0.007	0.010	ppm
01:00 – 02:00	0.009	0.006	0.008	ppm
02:00 – 03:00	0.012	0.023	0.009	ppm
03:00 – 04:00	0.018	0.011	0.008	ppm
04:00 – 05:00	0.009	0.005	0.011	ppm
05:00 – 06:00	0.006	0.003	0.010	ppm
06:00 – 07:00	0.005	0.006	0.011	ppm
07:00 – 08:00	0.006	0.012	0.012	ppm
08:00 – 09:00	0.007	0.009	0.014	ppm
09:00 – 10:00	0.008	0.007	0.012	ppm
Maximum 1 hr.	0.034	0.024	0.022	ppm
Average 24 hr.	0.012	0.014	0.013	ppm
Standard (1 hr.) <sup>1</sup>	0.17	0.17	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. Tummarat Phankhwan)

บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By.....

(MS. THANATPORN KLINSOPON)

22/09/2022

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Request No. LA65-R0959

Report No. R6509-4109 – R6509-4115

## 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. : 28198-28204  
 PARAMETER\* : Nitrogen Dioxide SAMPLING DATE : 10-17/09/2022  
 DETERMINATION METHOD : Chemiluminescence RECEIVED DATE : 17/09/2022  
 INSTRUMENT : API Model T200 S/N 6758 REPORTED DATE : 22/09/2022

TIME / DATE	13-14/09/2022	14-15/09/2022	15-16/09/2022	UNIT
10:00 – 11:00 <sup>2</sup>	0.019	0.015	0.009	ppm
11:00 – 12:00	0.019	0.020	0.005	ppm
12:00 – 13:00	0.025	0.017	0.005	ppm
13:00 – 14:00	0.021	0.014	0.005	ppm
14:00 – 15:00	0.010	0.012	0.006	ppm
15:00 – 16:00	0.008	0.014	0.004	ppm
16:00 – 17:00	0.016	0.012	0.005	ppm
17:00 – 18:00	0.018	0.013	0.007	ppm
18:00 – 19:00	0.023	0.018	0.011	ppm
19:00 – 20:00	0.020	0.012	0.010	ppm
20:00 – 21:00	0.023	0.013	0.013	ppm
21:00 – 22:00	0.019	0.014	0.012	ppm
22:00 – 23:00	0.018	0.011	0.013	ppm
23:00 – 00:00	0.016	0.008	0.009	ppm
00:00 – 01:00	0.014	0.008	0.007	ppm
01:00 – 02:00	0.014	0.008	0.010	ppm
02:00 – 03:00	0.018	0.011	0.014	ppm
03:00 – 04:00	0.011	0.007	0.006	ppm
04:00 – 05:00	0.015	0.007	0.007	ppm
05:00 – 06:00	0.014	0.006	0.014	ppm
06:00 – 07:00	0.015	0.005	0.014	ppm
07:00 – 08:00	0.012	0.008	0.015	ppm
08:00 – 09:00	0.012	0.010	0.017	ppm
09:00 – 10:00	0.012	0.010	0.019	ppm
Maximum 1 hr.	0.025	0.020	0.019	ppm
Average 24 hr.	0.016	0.011	0.010	ppm
Standard (1 hr.) <sup>1</sup>	0.17	0.17	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 Phayankham)

บริษัท อีสเทิร์นไทยคอนซัลติง 1992 จำกัด

Approved By.....

(MS. THANATPORN KLINSOPON)

22/09/2022

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

Request No. LA65-R0959

Report No. R6509-4109 – R6509-4115

## 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 : บ้านโนนรม SAMPLE NO. : 28198-28204  
 PARAMETER\* : Nitrogen Dioxide SAMPLING DATE : 10-17/09/2022  
 DETERMINATION METHOD : Chemiluminescence RECEIVED DATE : 17/09/2022  
 INSTRUMENT : API Model T200 S/N 6758 REPORTED DATE : 22/09/2022

TIME / DATE	16-17/09/2022	UNIT
10:00 – 11:00 <sup>2</sup>	0.042	ppm
11:00 – 12:00	0.016	ppm
12:00 – 13:00	0.026	ppm
13:00 – 14:00	0.032	ppm
14:00 – 15:00	0.025	ppm
15:00 – 16:00	0.015	ppm
16:00 – 17:00	0.015	ppm
17:00 – 18:00	0.022	ppm
18:00 – 19:00	0.032	ppm
19:00 – 20:00	0.033	ppm
20:00 – 21:00	0.027	ppm
21:00 – 22:00	0.028	ppm
22:00 – 23:00	0.012	ppm
23:00 – 00:00	0.008	ppm
00:00 – 01:00	0.008	ppm
01:00 – 02:00	0.006	ppm
02:00 – 03:00	0.014	ppm
03:00 – 04:00	0.005	ppm
04:00 – 05:00	0.013	ppm
05:00 – 06:00	0.013	ppm
06:00 – 07:00	0.013	ppm
07:00 – 08:00	0.016	ppm
08:00 – 09:00	0.011	ppm
09:00 – 10:00	0.009	ppm
Maximum 1 hr.	0.042	ppm
Average 24 hr.	0.018	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 Regulation of The Department of Industrial Works  
(Measurement By Mr. Tummarat Phothankham)

บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By.....

(MS. THANATPORN KLINSOPON)

22/09/2022

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY

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WITHOUT THE WRITTEN APPROVAL LABORATORY



## Wind Speed &amp; Wind Direction

Request No. LA65-R0959

Meyer Aluminium (Thailand) Co., Ltd.

Sample No. 28197

Sampling Source : วัดบ้านนา

Sampling Date : September 10-17, 2022

Time	September 10-11, 2022		September 11-12, 2022		September 12-13, 2022		September 13-14, 2022		September 14-15, 2022		September 15-16, 2022		September 16-17, 2022	
	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
10:00-11:00	0.4	WSW	0.9	W	0.0	-	1.3	WSW	0.4	SE	1.3	WSW	0.9	S
11:00-12:00	0.9	WSW	0.9	W	0.4	WSW	0.4	WSW	0.0	-	1.3	WSW	0.9	S
12:00-13:00	0.9	W	1.3	W	1.8	WSW	1.3	WSW	0.0	-	0.9	WSW	1.3	S
13:00-14:00	1.3	W	1.8	W	1.3	WSW	1.3	WSW	0.4	SSW	0.4	WSW	1.3	SW
14:00-15:00	0.9	W	2.2	W	1.8	WSW	0.0	-	0.4	S	1.3	WSW	1.3	WSW
15:00-16:00	1.3	WSW	1.8	WSW	1.3	WSW	0.4	ESE	0.0	-	0.9	SW	0.4	WSW
16:00-17:00	1.3	WSW	1.8	WSW	0.0	-	0.9	ENE	0.0	-	0.4	S	0.9	S
17:00-18:00	0.4	S	1.3	WSW	0.0	-	0.4	E	0.4	E	0.4	S	0.4	S
18:00-19:00	0.4	WSW	0.4	WSW	0.0	-	0.4	ENE	0.4	SE	0.0	-	0.0	-
19:00-20:00	0.4	WSW	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-
20:00-21:00	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-	0.4	S
21:00-22:00	0.9	WSW	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-
22:00-23:00	0.9	W	0.0	-	0.0	-	0.4	NE	0.0	-	0.0	-	0.0	-
23:00-00:00	0.4	NE	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-
00:00-01:00	0.0	-	0.4	WSW	0.0	-	0.0	-	0.0	-	1.8	WSW	0.9	WSW
01:00-02:00	0.0	-	2.2	WSW	0.0	-	0.0	-	0.4	E	2.2	WSW	1.3	WSW
02:00-03:00	0.4	NE	0.4	SSW	0.0	-	0.0	-	0.4	E	1.3	WSW	1.3	SW
03:00-04:00	0.0	-	0.4	ESE	0.0	-	0.0	-	0.0	-	1.3	WSW	0.4	S
04:00-05:00	0.4	ENE	0.4	SE	0.0	-	0.4	ENE	0.0	-	0.9	WSW	0.4	S
05:00-06:00	0.4	ENE	0.0	-	0.0	-	0.0	-	0.0	-	0.4	WSW	0.9	S
06:00-07:00	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-	0.4	SW	0.9	S
07:00-08:00	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-	0.4	SW	0.4	S
08:00-09:00	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-	0.4	S
09:00-10:00	0.0	-	0.0	-	1.3	WSW	0.0	-	1.3	WSW	0.0	-	0.4	WSW



## Wind Speed &amp; Wind Direction

Request No. LA65-R0959

Meyer Aluminium (Thailand) Co., Ltd.

Sample No. 28196

Sampling Source : บ้านมโนรม

Sampling Date : September 10-17, 2022

Time	September 10-11, 2022		September 11-12, 2022		September 12-13, 2022		September 13-14, 2022		September 14-15, 2022		September 15-16, 2022		September 16-17, 2022	
	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
10:00-11:00	0.4	N	0.4	ESE	0.4	WNW	0.4	WNW	1.3	SE	0.9	NW	1.3	WNW
11:00-12:00	0.4	N	0.4	E	0.4	E	0.0	-	0.0	-	1.3	WNW	1.3	WNW
12:00-13:00	0.4	N	0.4	E	0.4	NW	0.4	NW	0.0	-	1.3	WNW	1.3	WNW
13:00-14:00	0.4	N	0.9	WNW	0.9	NW	0.4	WNW	0.4	E	1.3	WNW	1.3	WNW
14:00-15:00	0.4	N	0.4	N	0.4	WNW	0.0	-	0.4	E	1.8	W	1.3	WNW
15:00-16:00	0.4	N	0.4	N	0.4	WNW	0.0	-	0.4	W	1.8	WNW	0.9	N
16:00-17:00	0.9	N	0.4	WNW	0.4	WNW	0.0	-	0.0	-	0.9	W	0.9	N
17:00-18:00	1.3	N	0.4	N	0.9	WNW	0.0	-	0.0	-	0.9	WNW	0.9	WNW
18:00-19:00	1.3	N	0.0	-	0.9	W	0.0	-	0.0	-	0.9	WNW	0.9	W
19:00-20:00	0.9	N	0.0	-	0.4	W	0.0	-	0.0	-	0.4	W	0.9	W
20:00-21:00	0.4	N	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-	0.9	W
21:00-22:00	0.9	N	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-	0.4	W
22:00-23:00	0.4	N	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-
23:00-00:00	0.4	ESE	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-
00:00-01:00	0.0	-	0.4	W	0.0	-	0.0	-	0.4	SE	1.3	NW	0.4	NW
01:00-02:00	0.0	-	0.9	NW	0.0	-	0.0	-	0.4	SE	1.3	NW	1.3	NW
02:00-03:00	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-	0.4	NW	1.3	NW
03:00-04:00	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-	0.4	NW	0.9	WNW
04:00-05:00	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-	0.9	NW
05:00-06:00	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-	0.4	WNW	0.9	WNW
06:00-07:00	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-	0.4	W	1.3	WNW
07:00-08:00	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-	0.9	WNW	1.3	WNW
08:00-09:00	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-	0.9	W	1.3	W
09:00-10:00	0.4	ESE	0.0	-	0.4	ESE	0.4	SE	0.4	NW	1.3	WNW	1.3	WNW

## Wind Speed &amp; Wind Direction

Request No. LA65-R0959

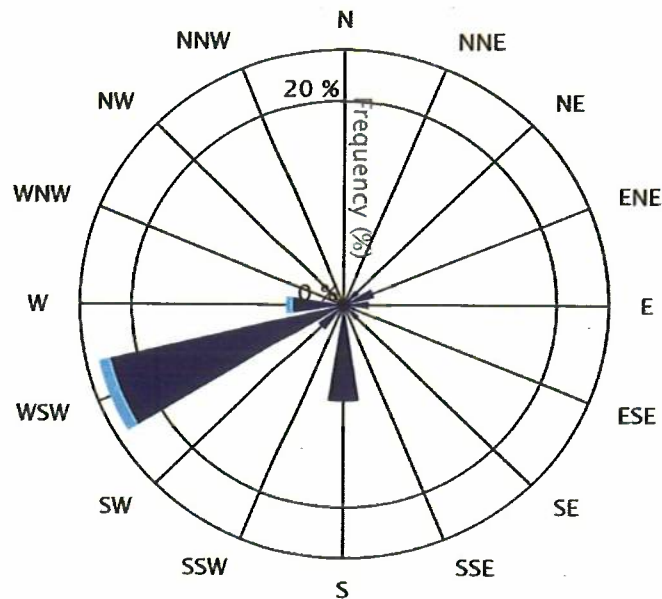
Meyer Aluminium (Thailand) Co., Ltd.

Sample No. 28197

Sampling Source : วัดบ้านนา

Sampling Date : September 10-17, 2022

Calm 47.0 %



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	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNE	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NE	1.8	0.0	0.0	0.0	0.0	0.0	1.8
ENE	3.0	0.0	0.0	0.0	0.0	0.0	3.0
E	2.4	0.0	0.0	0.0	0.0	0.0	2.4
ESE	1.2	0.0	0.0	0.0	0.0	0.0	1.2
SE	1.8	0.0	0.0	0.0	0.0	0.0	1.8
SSE	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S	9.5	0.0	0.0	0.0	0.0	0.0	9.5
SSW	1.2	0.0	0.0	0.0	0.0	0.0	1.2
SW	3.0	0.0	0.0	0.0	0.0	0.0	3.0
WSW	22.6	1.2	0.0	0.0	0.0	0.0	23.8
W	4.8	0.6	0.0	0.0	0.0	0.0	5.4
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	47.0						

## Wind Speed &amp; Wind Direction

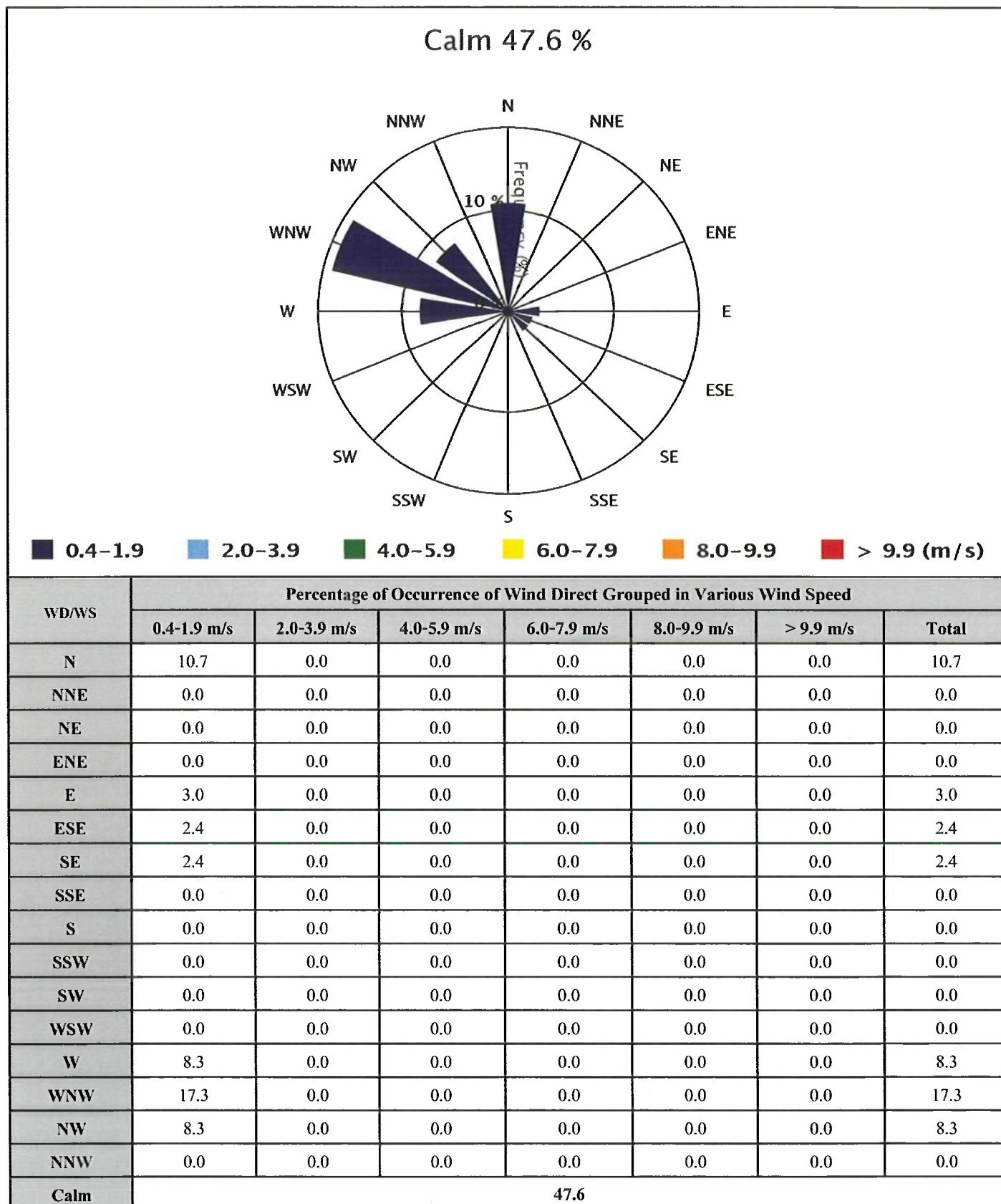
Request No. LA65-R0959

Meyer Aluminium (Thailand) Co., Ltd.

Sample No. 28196

Sampling Source : บ้านมโนรม

Sampling Date : September 10-17, 2022





ผลการทดสอบคุณภาพน้ำทิ้ง



## Test Report

Request No : W6507040

Report No : 6507-1068

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 65070210

Sample Name : บริเวณจุดปล่อยน้ำเสียของโครงการลงสู่บ่อพัก###

Sampling Date : 01/07/2022\*\*

Sampling By : ETC\*\*

Sampling Time : 10:10 AM\*\*

Sampling Method : Grab\*\*

Received Date : 02/07/2022

Tested Date : 04/07/2022 - 12/07/2022

Reported Date : 22/07/2022

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Biochemical Oxygen Demand <sup>#</sup>	mg/l	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	31.4	≤500
Chemical Oxygen Demand <sup>#</sup>	mg/l	Closed Reflux, Titrimetric Method (SM:5220C)	76	≤750
Oil and Grease <sup>@</sup>	mg/l	Partition-Gravimetric Method (SM:5520B)	< 3.0	≤10
pH (on site) <sup>*</sup>		Electrometric Method	7.7	5.5 - 9.0
Temperature <sup>*</sup>	°C	Laboratory and Field Method	31	≤45
Total Dissolved Solids <sup>#</sup>	mg/l	Dried at 180 C (SM:2540C)	272	≤3000
Total Suspended Solids <sup>#</sup>	mg/l	Dried at 103-105 C (SM:2540D)	13	≤200
Zinc <sup>@</sup>	mg/l	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.06	≤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 / Mr. Kawee Suthasub is Technical Management.

4. \* = Test Report/Sampling marked Not Accredited, Sampling By Mr. Supharerk Phatklang (จ-003-จ-5637)\*

5. ## บริเวณจุดปล่อยน้ำเสียของโครงการลงสู่บ่อพักรับน้ำเสยรวมของนิคมฯ

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

Examined By : .....

(Miss Apiradee Chuen-arom)

(จ-003-ค-4377)

22/07/2022



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By : .....

(Mr. Kawee Suthasub)

(จ-003-ค-2205)

22/07/2022

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY  
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## Test Report

Request No : W6507040

Report No : 6507- 1068

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 65070210

Sample Name : บริเวณจุดปล่อยน้ำเสียของโครงการลงสู่บ่อพัก\*\*\*

Sampling Date : 01/07/2022\*\*

Sampling By : ETC\*\*

Sampling Time : 10:10 AM\*\*

Sampling Method : Grab\*\*

Received Date : 02/07/2022

Tested Date : 04/07/2022 - 12/07/2022

Reported Date : 22/07/2022

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Aluminium <sup>@</sup>	mg/l	Digestion,Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.44	-
Settleable Solid	ml/l	Volumetric Method (SM:2540F)	< 0.2	-

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. Mr. Kawee Suthasub is Technical Management.

5. \* = Test Report/Sampling marked Not Accredited, Sampling By Mr. Supharerk Phatklang (ว-003-จ-5637)\*

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



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By : .....

(Mr. Kawee Suthasub)

22/07/2022

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

Request No. W6507040

Report No. 6507-1068

## 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. : W65070210  
Sample Name : บริเวณจุดปล่อยน้ำเสียของโครงการลงสู่บ่อพัก ## Sampling Date : 01/07/2022  
Sampling By : ETC Sampling Time : 10:10 AM  
Sampling Method : Grab Received Date : 02/07/2022  
Tested Date : 01/07/2022 Reported Date : 22/07/2022

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. Sampling By Mr. Supharerk Phatklang (1-003-จ-5637)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By.....

(Miss Apiradee Chuen-arom)

22 / 07 / 2022

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

## Test Report

Request No : W6508454

Report No : 6509-0068

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 65081633

Sample Name : บริเวณจุดปล่อยน้ำของโครงการลงสู่บ่อพัก\*\*\*

Sampling Date : 19/08/2022\*\*

Sampling By : ETC\*\*

Sampling Time : 8:37 AM\*\*

Sampling Method : Grab\*\*

Received Date : 20/08/2022

Tested Date : 22/08/2022 - 30/08/2022

Reported Date : 01/09/2022

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Biochemical Oxygen Demand #	mg/l	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	64.0	≤500
Chemical Oxygen Demand #	mg/l	Closed Reflux, Titrimetric Method (SM:5220C)	179	≤750
Oil and Grease @	mg/l	Partition-Gravimetric Method (SM:5520B)	4.6	≤10
pH (on site) *		Electrometric Method	7.7	5.5 - 9.0
Temperature *	°C	Laboratory and Field Method	29	≤45
Total Dissolved Solids #	mg/l	Dried at 180 C (SM:2540C)	284	≤3000
Total Suspended Solids #	mg/l	Dried at 103-105 C (SM:2540D)	29	≤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 TISL., # = ISO/IEC 17025:2017 Accredited by DSS,

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

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

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

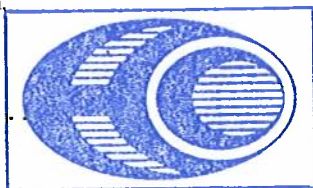
5. ## บริเวณจุดปล่อยน้ำเสียของโครงการลงสู่บ่อพักรับน้ำเสี้ยวรวมของนิคมฯ

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

Examined By : .....

(Miss Apiradee Chuen-arom)  
(จ-003-ก-4377)

01/09/2022



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By : .....

(Mr. Kawee Suthasub)  
(จ-003-ก-2205)

01/09/2022

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



## Test Report

Request No : W6508454

Report No : 6509-0068

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 65081633

Sample Name : บริเวณจุดปล่อยน้ำของโครงการลงสู่บ่อพัก##

Sampling Date : 19/08/2022

Sampling By : ETC

Sampling Time : 8:37 AM

Sampling Method : Grab

Received Date : 20/08/2022

Tested Date : 22/08/2022 - 30/08/2022

Reported Date : 01/09/2022

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Aluminium	mg/l	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.41	-
Settleable Solid	ml/l	Volumetric Method (SM:2540F)	< 0.2	-

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 ]

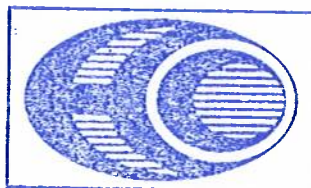
Remark : 1. /1 Notification of Industrial Estate Authority of Thailand 76 / 2560 (2017)

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

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

4. Sampling By Miss Pornpinan Viriyakusolkul (ว-003-จ-8334)

5. ## บริเวณจุดปล่อยน้ำเสียของโครงการลงสู่บ่อพักรับน้ำเสีย รวมของนิคมฯ



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By : .....

(Miss Apiradee Chuen-arom)

01/09/2022

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





Request No. W6508454

Report No. 6509-0068

## 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. : W65081633  
 Sample Name : บริเวณจุดปล่อยน้ำเสียของโครงการลงสู่บ่อพัก ## Sampling Date : 19/08/2022  
 Sampling By : ETC Sampling Time : 8:37 AM  
 Sampling Method : Grab Received Date : 20/08/2022  
 Tested Date : 19/08/2022 Reported Date : 01/09/2022

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. ## บริเวณจุดปล่อยน้ำเสียของโครงการลงสู่บ่อพักรับน้ำเสารวมของนิคม ฯ  
 3. Measured by Eastern Thai Consulting 1992 Co., Ltd. : (Flow Meter Model 2030 R)  
 4. Sampling By Miss Pornpinan Viriyakusolkul (ว-003-จ-8334)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By.....

(Miss Apiradee Chuen-arom)

01 / 09 / 2022

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

## Test Report

Request No : W6509082

Report No : 6509-0982

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 65090418

Sample Name : บริเวณจุดปล่อยน้ำเสียของโครงการลงสู่บ่อพัก\*\*\*

Sampling Date : 02/09/2022\*\*

Sampling By : ETC\*\*

Sampling Time : 11:35 AM\*\*

Sampling Method : Grab\*\*

Received Date : 03/09/2022

Tested Date : 05/09/2022 - 13/09/2022

Reported Date : 15/09/2022

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Biochemical Oxygen Demand <sup>#</sup>	mg/l	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	40.7	≤500
Chemical Oxygen Demand <sup>#</sup>	mg/l	Closed Reflux, Titrimetric Method (SM:5220C)	173	≤750
Oil and Grease <sup>@</sup>	mg/l	Partition-Gravimetric Method (SM:5520B)	< 3.0	≤10
pH (on site) *		Electrometric Method	7.2	5.5 - 9.0
Temperature *	°C	Laboratory and Field Method	30	≤45
Total Dissolved Solids <sup>#</sup>	mg/l	Dried at 180 C (SM:2540C)	396	≤3000
Total Suspended Solids <sup>#</sup>	mg/l	Dried at 103-105 C (SM:2540D)	35	≤200
Zinc <sup>@</sup>	mg/l	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.24	≤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 / Mr. Kawee Suthasub is Technical Management.

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

5. ## บริเวณจุดปล่อยน้ำเสียของโครงการลงสู่บ่อพักรับน้ำเสารวมของนิคมฯ

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

Examined By : .....

(Miss Apiradee Chuen-arom)

(จ-003-ก-4377)

15/09/2022



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By : .....

(Mr. Kawee Suthasub)

(จ-003-ก-2205)

15/09/2022

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

## Test Report

Request No : W6509082

Report No : 6509- 0982

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 65090418

Sample Name : บริเวณจุดปล่อยน้ำเสียของโครงการลงสู่บ่อพัก##

Sampling Date : 02/09/2022

Sampling By : ETC

Sampling Time : 11:35 AM

Sampling Method : Grab

Received Date : 03/09/2022

Tested Date : 05/09/2022 - 13/09/2022

Reported Date : 15/09/2022

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Aluminium	mg/l	Digestion,Inductively Coupled Plasma Method (SM:3030F, 3120B)	1.85	-
Settleable Solid	ml/l	Volumetric Method (SM:2540F)	1.6	-

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

4. Sampling By Miss Pornpinan Viriyakusolkul (ว-003-จ-8334)

5. ## บริเวณจุดปล่อยน้ำเสียของโครงการลงสู่บ่อพักรับน้ำเสียรวมของนิคมฯ



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By : .....

(Miss Apiradee Chuen-arom)

15/09/2022

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

Request No. W6509082

Report No. 6509-0982

## 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. : W65090418

Sample Name : บริเวณจุดปล่อยน้ำเสียของโครงการลงสู่บ่อพัก ## Sampling Date : 02/09/2022

Sampling By : ETC Sampling Time : 11:35 AM

Sampling Method : Grab Received Date : 03/09/2022

Tested Date : 02/09/2022 Reported Date : 15/09/2022

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

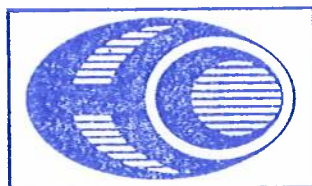
2. Container : Normal [ PE 0.5 L [ 2 Bottle], PE 1.0 L, PE 1.8 L, G 1.0 L ]

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. Sampling By Miss Pornpinan Viriyakusolkul (ว-003-จ-8334)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By.....

(Miss Apiradee Chuen-arom)

15 / 09 / 2022

REPORTED TESTS REFER TO SUBMITTED SAMPLES ONLY

THIS REPORT SHALL NOT REPRODUCED EXCEPT IN FULL

WITHOUT THE WRITTEN APPROVAL LABORATORY

## Test Report

Request No : W6510218

Report No : 6510-1418

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 65100958

Sample Name : บริเวณจุดปล่อยน้ำเสียของโครงการลงสู่บ่อพัก###

Sampling Date : 07/10/2022\*\*

Sampling By : ETC\*\*

Sampling Time : 9:35 AM\*\*

Sampling Method : Grab\*\*

Received Date : 08/10/2022

Tested Date : 11/10/2022 - 20/10/2022

Reported Date : 25/10/2022

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Biochemical Oxygen Demand #	mg/l	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	70.0	≤500
Chemical Oxygen Demand #	mg/l	Closed Reflux, Titrimetric Method (SM:5220C)	211	≤750
Oil and Grease @	mg/l	Partition-Gravimetric Method (SM:5520B)	7.2	≤10
pH (on site) *		Electrometric Method	7.7	5.5 - 9.0
Temperature *	°C	Laboratory and Field Method	30	≤45
Total Dissolved Solids #	mg/l	Dried at 180 C (SM:2540C)	420	≤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)	0.31	≤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 / Mr. Kawee Suthasub is Technical Management.

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

5. ## บริเวณจุดปล่อยน้ำเสียของโครงการลงสู่บ่อพักรับน้ำเสียรวมของนิคมฯ

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

Examined By : .....

(Miss Apiradee Chuen-arom)

(จ-003-ก-4377)

25/10/2022



Approved By : .....

(Mr. Kawee Suthasub)

(จ-003-ก-2205)

25/10/2022

REPORTED ~~TEST REFERENCE 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 Name : บริเวณจุดปล่อยน้ำเสียของโครงการลงสู่บ่อพัก###  
Sampling By : ETC\*\*  
Sampling Method : Grab\*\*  
Tested Date : 11/10/2022 - 20/10/2022

Request No : W6510218  
Report No : 6510- 1418  
Sample No : W 65100958  
Sampling Date : 07/10/2022\*\*  
Sampling Time : 9:35 AM\*\*  
Received Date : 08/10/2022  
Reported Date : 25/10/2022

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Aluminium @	mg/l	Digestion,Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.73	-
Settleable Solid *	ml/l	Volumetric Method (SM:2540F)	0.70	-

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. Mr. Kawee Suthasub is Technical Management.

5. \* = Test Report/Sampling marked Not Accredited, Sampling By Miss Janthanee Saiphan (จ-003-ค-7281)\*

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



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By : .....

(Mr. Kawee Suthasub)  
25/10/2022

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

Request No. W6510218

Report No. 6510-1418

## 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. : W65100958  
Sample Name : บริเวณจุดปล่อยน้ำเสียของโครงการลงสู่บ่อพัก ## Sampling Date : 07/10/2022  
Sampling By : ETC Sampling Time : 9:35 AM  
Sampling Method : Grab Received Date : 08/10/2022  
Tested Date : 07/10/2022 Reported Date : 25/10/2022

Parameter	Unit	Method	Result	Standard /I
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. /I 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. Sampling By Miss Janthance Saiphan (จ-003-ค-7281)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By.....



(Miss Apiradee Chuen-arom)

25 / 10 / 2022

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

## Test Report

Request No : W6511082

Report No : 6511-1013

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 65110359

Sample Name : บริเวณจุดปล่อยน้ำเสียของโครงการลงสู่บ่อพัก###

Sampling Date : 02/11/2022\*\*

Sampling By : ETC\*\*

Sampling Time : 9:10 AM\*\*

Sampling Method : Grab\*\*

Received Date : 03/11/2022

Tested Date : 03/11/2022 - 11/11/2022

Reported Date : 14/11/2022

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Biochemical Oxygen Demand #	mg/l	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	56.6	≤500
Chemical Oxygen Demand #	mg/l	Closed Reflux, Titrimetric Method (SM:5220C)	170	≤750
Oil and Grease @	mg/l	Partition-Gravimetric Method (SM:5520B)	4.2	≤10
pH (on site) *		Electrometric Method	7.6	5.5 - 9.0
Temperature *	°C	Laboratory and Field Method	29	≤45
Total Dissolved Solids #	mg/l	Dried at 180 C (SM:2540C)	396	≤3000
Total Suspended Solids #	mg/l	Dried at 103-105 C (SM:2540D)	49	≤200
Zinc @	mg/l	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.22	≤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 / Mr. Kawee Suthasub is Technical Management.

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

5. ## บริเวณจุดปล่อยน้ำเสียของโครงการลงสู่บ่อพักรับน้ำเสียรวมของนิคมฯ

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

Examined By : .....

(Miss Apiradee Chuen-arom)

(จ-003-ก-4377)

14/11/2022



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By : .....

(Mr. Kawee Suthasub)

(จ-003-ก-2205)

14/11/2022

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



## Test Report

Request No : W6511082

Report No : 6511- 1013

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 65110359

Sample Name : บริเวณจุดปล่อยน้ำเสียของโครงการลงสู่บ่อพัก##

Sampling Date : 02/11/2022

Sampling By : ETC

Sampling Time : 9:10 AM

Sampling Method : Grab

Received Date : 03/11/2022

Tested Date : 03/11/2022 - 11/11/2022

Reported Date : 14/11/2022

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Aluminium	mg/l	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	1.83	-
Settleable Solid	ml/l	Volumetric Method (SM:2540F)	0.7	-

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

4. Sampling By Miss Janthanee Saiphan (ว-003-ก-7281)

5. ## บริเวณจุดปล่อยน้ำเสียของโครงการลงสู่บ่อพักรับน้ำเสียรวมของนิคมฯ



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By : .....

(Miss Apiradee Chuen-arom)

14/11/2022

Request No. W6511082

Report No. 6511-1013

## 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. : W65110359  
 Sample Name : บริเวณจุดปล่อยน้ำเสียของโครงการลงสู่บ่อพัก ## Sampling Date : 02/11/2022  
 Sampling By : ETC Sampling Time : 9:10 AM  
 Sampling Method : Grab Received Date : 03/11/2022  
 Tested Date : 02/11/2022 Reported Date : 14/11/2022

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. ## บริเวณจุดปล่อยน้ำเสียของโครงการลงสู่บ่อพักรับน้ำเสยรวมของนิคม ฯ  
 3. Measured by Eastern Thai Consulting 1992 Co., Ltd. : (Flow Meter Model 2030 R)  
 4. Sampling By Miss Janthanee Saiphan (ว-003-ค-7281)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By.....

(Miss Apiradee Chuen-arom)

14/ 11 / 2022

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



## Test Report

Request No : W6512449

Report No : 6512-1735

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 65121512

Sample Name : บริเวณจุดปล่อยน้ำเสียของโครงการลงสู่บ่อพัก\*\*\*

Sampling Date : 16/12/2022\*\*

Sampling By : ETC\*\*

Sampling Time : 9:40 AM\*\*

Sampling Method : Grab\*\*

Received Date : 17/12/2022

Tested Date : 17/12/2022 - 23/12/2022

Reported Date : 26/12/2022

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Biochemical Oxygen Demand #	mg/l	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	58.8	≤500
Chemical Oxygen Demand #	mg/l	Closed Reflux, Titrimetric Method (SM:5220C)	231	≤750
Oil and Grease @	mg/l	Partition-Gravimetric Method (SM:5520B)	6.6	≤10
pH (on site) *		Electrometric Method	7.4	5.5 - 9.0
Temperature *	°C	Laboratory and Field Method	29	≤45
Total Dissolved Solids #	mg/l	Dried at 180 C (SM:2540C)	332	≤3000
Total Suspended Solids #	mg/l	Dried at 103-105 C (SM:2540D)	53	≤200
Zinc @	mg/l	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.10	≤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 / Mr. Kawee Suthasub is Technical Management.

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

5. ## บริเวณจุดปล่อยน้ำเสียของโครงการลงสู่บ่อพักรับน้ำเสีารวมของนิคมฯ

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

Examined By : .....

(Miss Apiradee Chuen-arom)

(ว-003-ก-4377)

26/12/2022



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By : .....

(Mr. Kawee Suthasub)

(ว-003-ก-2205)

26/12/2022

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.\*\*

Request No : W6512449

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

Report No : 6512- 1735

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

Sample No : W 65121512

Sample Name : บริเวณจุดปล่อยน้ำเสียของโครงการลงสู่บ่อพัก###

Sampling Date : 16/12/2022\*\*

Sampling By : ETC\*\*

Sampling Time : 9:40 AM\*\*

Sampling Method : Grab\*\*

Received Date : 17/12/2022

Tested Date : 17/12/2022 - 23/12/2022

Reported Date : 26/12/2022

Parameter	Unit	Method	Result	Standard <sup>1</sup>
Aluminium @	mg/l	Digestion,Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.62	-
Settleable Solid *	ml/l	Volumetric Method (SM:2540F)	1.0	-

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. Mr. Kawee Suthasub is Technical Management. / \*\* = These data are non laboratory data.

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

6. ## บริเวณจุดปล่อยน้ำเสียของโครงการลงสู่บ่อพักน้ำเสียรวมของนิคมฯ



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By : .....

(Mr. Kawee Suthasub)

26/12/2022

Request No. W6512449

Report No. 6512-1735

## 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. : W65121512  
Sample Name : บริเวณจุดปล่อยน้ำเสียของโครงการลงสู่บ่อพัก ## Sampling Date : 16/12/2022  
Sampling By : ETC Sampling Time : 9:40 AM  
Sampling Method : Grab Received Date : 17/12/2022  
Tested Date : 16/12/2022 Reported Date : 26/12/2022

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. Parpoom Buasawad (ว-003-ค-7280)



บริษัท อีสเทิร์นไทยคอนซัลติง 1992 จำกัด

Examined By.....

(Miss Apiradee Chuen-arom)

26 / 12 / 2022

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 : โรงพยายาลวิการาม  
PARAMETER\* :  $L_{eq}$  1 hr.,  $L_{eq}$  24 hr. &  $L_{dn\#}$   
DETERMINATION METHOD : ISO 1996-1:2016  
INSTRUMENT : Integrated Sound Level Meter  
S/N 090086 : Type 2

SAMPLE NO. : 28247  
MEASURING DATE : 21-22/09/2022  
RECEIVED DATE : 22/09/2022  
REPORTED DATE : 27/09/2022

TIME \ DATE	21-22/09/2022 ( $L_{eq}$ )	UNIT
18:50 - 19:50 <sup>/3</sup>	60.4	dB(A)
19:50 - 20:50	60.9	dB(A)
20:50 - 21:50	73.1	dB(A)
21:50 - 22:50	59.1	dB(A)
22:50 - 23:50	58.5	dB(A)
23:50 - 00:50	59.1	dB(A)
00:50 - 01:50	55.4	dB(A)
01:50 - 02:50	55.0	dB(A)
02:50 - 03:50	55.3	dB(A)
03:50 - 04:50	56.8	dB(A)
04:50 - 05:50	60.5	dB(A)
05:50 - 06:50	60.3	dB(A)
06:50 - 07:50	62.0	dB(A)
07:50 - 08:50	61.1	dB(A)
08:50 - 09:50	59.8	dB(A)
09:50 - 10:50	59.7	dB(A)
10:50 - 11:50	58.7	dB(A)
11:50 - 12:50	59.4	dB(A)
12:50 - 13:50	58.0	dB(A)
13:50 - 14:50	58.4	dB(A)
14:50 - 15:50	60.9	dB(A)
15:50 - 16:50	64.1	dB(A)
16:50 - 17:50	61.4	dB(A)
17:50 - 18:50	60.5	dB(A)
$L_{eq}$ 24 hr.	62.5	dB(A)
$L_{dn\#}$	66.1	dB(A)
Standard	70 <sup>/1, /2</sup>	dB(A)

**REMARK :** <sup>#</sup> Test Report/Sampling marked 'Not TISI Accredited' in this report are not included in the TISI Accreditation Schedule for our laboratory

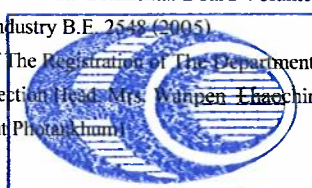
<sup>/1</sup> Notification of Office of The National Environmental Board Volume 15 B.E. 2540 (1997)

<sup>/2</sup> Notification of Ministry of the Industry B.E. 2548 (2005)

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

(Ms. Thanaporn Klinsopon is Section Head, Mrs. Wanpen Lhaochindawat is Technical Management)

(Measurement By Mr. Tummarut Photakham)



บริษัท อีสเทิร์นไทยคอนซัลติง 1992 จำกัด

Approved By...

(MRS. WANPEN LHAOCHINDAWAT)

27/09/2022

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



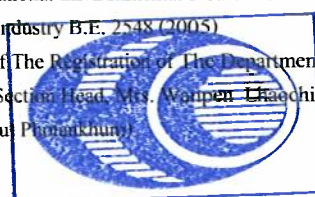
**TEST REPORT**

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 00443357 : Type 2

SAMPLE NO. : 28243  
MEASURING DATE : 21-22/09/2022  
RECEIVED DATE : 22/09/2022  
REPORTED DATE : 27/09/2022

TIME \ DATE	21-22/09/2022 ( $L_{eq}$ )	UNIT
17:00 - 18:00 <sup>/3</sup>	64.7	dB(A)
18:00 - 19:00	64.9	dB(A)
19:00 - 20:00	65.9	dB(A)
20:00 - 21:00	67.2	dB(A)
21:00 - 22:00	65.6	dB(A)
22:00 - 23:00	61.3	dB(A)
23:00 - 00:00	61.1	dB(A)
00:00 - 01:00	60.8	dB(A)
01:00 - 02:00	61.4	dB(A)
02:00 - 03:00	60.4	dB(A)
03:00 - 04:00	61.6	dB(A)
04:00 - 05:00	61.2	dB(A)
05:00 - 06:00	61.6	dB(A)
06:00 - 07:00	61.7	dB(A)
07:00 - 08:00	63.6	dB(A)
08:00 - 09:00	64.2	dB(A)
09:00 - 10:00	64.0	dB(A)
10:00 - 11:00	64.3	dB(A)
11:00 - 12:00	63.6	dB(A)
12:00 - 13:00	63.5	dB(A)
13:00 - 14:00	63.9	dB(A)
14:00 - 15:00	64.0	dB(A)
15:00 - 16:00	63.6	dB(A)
16:00 - 17:00	63.5	dB(A)
$L_{eq}$ 24 hr.	63.6	dB(A)
$L_{dn\#}$	68.3	dB(A)
Standard	70 <sup>/1, /2</sup>	dB(A)

**REMARK :** # Test Report/Sampling marked 'Not TISI Accredited' in this report are not included in the TISI Accreditation Schedule for our laboratory  
/1 Notification of Office of The National Environmental Board Volume 15 B.E. 2540 (1997)  
/2 Notification of Ministry of the Industry B.E. 2548 (2005)  
\* 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 Mr. Tummarut Phatankhun)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By.....  
(MRS. WANPEN LHAOCHINDAWAT)

27/09/2022

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 090089 : Type 2  
SAMPLE NO. : 32303  
MEASURING DATE : 31/10/2022 - 01/11/2022  
RECEIVED DATE : 03/11/2022  
REPORTED DATE : 11/11/2022

TIME \ DATE	31/10/2022 - 01/11/2022 ( $L_{eq}$ )	UNIT
17:00 - 18:00 <sup>1/3</sup>	63.9	dB(A)
18:00 - 19:00	63.7	dB(A)
19:00 - 20:00	64.1	dB(A)
20:00 - 21:00	63.8	dB(A)
21:00 - 22:00	63.2	dB(A)
22:00 - 23:00	63.3	dB(A)
23:00 - 00:00	60.9	dB(A)
00:00 - 01:00	61.1	dB(A)
01:00 - 02:00	59.5	dB(A)
02:00 - 03:00	59.2	dB(A)
03:00 - 04:00	60.1	dB(A)
04:00 - 05:00	59.7	dB(A)
05:00 - 06:00	60.3	dB(A)
06:00 - 07:00	62.0	dB(A)
07:00 - 08:00	65.1	dB(A)
08:00 - 09:00	64.7	dB(A)
09:00 - 10:00	64.1	dB(A)
10:00 - 11:00	63.4	dB(A)
11:00 - 12:00	63.1	dB(A)
12:00 - 13:00	62.9	dB(A)
13:00 - 14:00	66.5	dB(A)
14:00 - 15:00	65.5	dB(A)
15:00 - 16:00	62.6	dB(A)
16:00 - 17:00	62.9	dB(A)
$L_{eq}$ 24 hr.	63.2	dB(A)
$L_{dn}$	67.9	dB(A)
Standard	70 <sup>1/1, 1/2</sup>	dB(A)

**REMARK :** # Test Report/Sampling marked 'Not TISI Accredited' in this report are not included in the TISI Accreditation Schedule for our laboratory  
<sup>1/1</sup> Notification of Office 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)  
\* Parameter Outside The Scope of The Registration of The Department of Industrial Works  
(Ms. Thanatporn Klinsopon is Section Head, Mrs. Wanpen Lhaochindawat is Technical Management)  
(Measurement By Mr. Witchawan Singha)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

<sup>1/3</sup> Start Time  
Approved By.....  
(MRS. WANPEN LHAOCHINDAWAT)  
11/11/2022

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. &  $L_{dn\#}$  SAMPLE NO. : 28244  
DETERMINATION METHOD : ISO 1996-1:2016 MEASURING DATE : 21-22/09/2022  
INSTRUMENT : Integrated Sound Level Meter RECEIVED DATE : 22/09/2022  
S/N 090087 : Type 2 REPORTED DATE : 27/09/2022

TIME \ DATE	21-22/09/2022 ( $L_{eq}$ )	UNIT
18:20 - 19:20 <sup>/3</sup>	58.2	dB(A)
19:20 - 20:20	57.5	dB(A)
20:20 - 21:20	65.7	dB(A)
21:20 - 22:20	59.6	dB(A)
22:20 - 23:20	55.4	dB(A)
23:20 - 00:20	56.5	dB(A)
00:20 - 01:20	57.3	dB(A)
01:20 - 02:20	56.9	dB(A)
02:20 - 03:20	57.6	dB(A)
03:20 - 04:20	56.8	dB(A)
04:20 - 05:20	56.5	dB(A)
05:20 - 06:20	60.0	dB(A)
06:20 - 07:20	61.2	dB(A)
07:20 - 08:20	62.5	dB(A)
08:20 - 09:20	64.2	dB(A)
09:20 - 10:20	64.9	dB(A)
10:20 - 11:20	61.7	dB(A)
11:20 - 12:20	63.8	dB(A)
12:20 - 13:20	63.0	dB(A)
13:20 - 14:20	65.3	dB(A)
14:20 - 15:20	64.3	dB(A)
15:20 - 16:20	63.8	dB(A)
16:20 - 17:20	61.2	dB(A)
17:20 - 18:20	63.5	dB(A)
$L_{eq}$ 24 hr.	61.9	dB(A)
$L_{dn\#}$	65.6	dB(A)
Standard	70 <sup>/1, /2</sup>	dB(A)

**REMARK :** <sup>#</sup> Test Report/Sampling marked 'Not TISI Accredited' in this report are not included in the TISI Accreditation Schedule for our laboratory

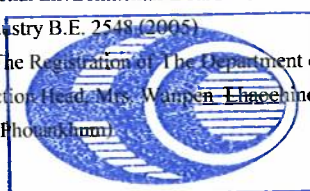
<sup>/1</sup> Notification of Office of The National Environmental Board Volume 15 B.E. 2540 (1997)

<sup>/2</sup> Notification of Ministry of the Industry B.E. 2548 (2005)

\* 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 Mr. Tummarut Photakham)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

<sup>/3</sup> Start Time

Approved By.....

(MRS. WANPEN LHAOCHINDAWAT)

27/09/2022

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 090088 : Type 2


SAMPLE NO. : 32304  
MEASURING DATE : 31/10/2022 - 01/11/2022  
RECEIVED DATE : 03/11/2022  
REPORTED DATE : 11/11/2022

TIME \ DATE	31/10/2022 - 01/11/2022 ( $L_{eq}$ )	UNIT
17:00 - 18:00 <sup>13</sup>	60.9	dB(A)
18:00 - 19:00	60.9	dB(A)
19:00 - 20:00	60.4	dB(A)
20:00 - 21:00	57.7	dB(A)
21:00 - 22:00	59.0	dB(A)
22:00 - 23:00	58.6	dB(A)
23:00 - 00:00	56.3	dB(A)
00:00 - 01:00	58.0	dB(A)
01:00 - 02:00	57.8	dB(A)
02:00 - 03:00	57.9	dB(A)
03:00 - 04:00	57.6	dB(A)
04:00 - 05:00	57.0	dB(A)
05:00 - 06:00	57.2	dB(A)
06:00 - 07:00	58.6	dB(A)
07:00 - 08:00	56.1	dB(A)
08:00 - 09:00	58.6	dB(A)
09:00 - 10:00	57.4	dB(A)
10:00 - 11:00	55.4	dB(A)
11:00 - 12:00	56.7	dB(A)
12:00 - 13:00	57.1	dB(A)
13:00 - 14:00	56.6	dB(A)
14:00 - 15:00	56.2	dB(A)
15:00 - 16:00	55.0	dB(A)
16:00 - 17:00	54.3	dB(A)
$L_{eq}$ 24 hr.	57.9	dB(A)
$L_{dn\#}$	64.2	dB(A)
Standard	70 <sup>11, 12</sup>	dB(A)

**REMARK :** <sup>#</sup> Test Report/Sampling marked 'Not TISI Accredited' in this report are not included in the TISI Accreditation Schedule for our laboratory  
<sup>11</sup> Notification of Office of The National Environmental Board Volume 15 B.E. 2540 (1997)  
<sup>12</sup> Notification of Ministry of the Industry B.E. 2545 (2002)  
\* Parameter Outside The Scope of The Registration of The Department of Industrial Works  
(Ms. Thanatporn Klinsopon is Section Head, Mrs. Wanpen Lhaochindawat is Technical Management)  
(Measurement By Mr. Tummarut Pholachakum)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

<sup>13</sup> Start Time  
Approved By:   
(MRS. WANPEN LHAOCHINDAWAT)

11/11/2022

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 00443358 : Type 2

SAMPLE NO. : 28245  
MEASURING DATE : 21-22/09/2022  
RECEIVED DATE : 22/09/2022  
REPORTED DATE : 27/09/2022

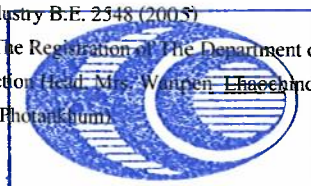
TIME \ DATE	21-22/09/2022 ( $L_{eq}$ )	UNIT
17:20 - 18:20 <sup>/3</sup>	66.4	dB(A)
18:20 - 19:20	67.7	dB(A)
19:20 - 20:20	68.2	dB(A)
20:20 - 21:20	70.6	dB(A)
21:20 - 22:20	66.7	dB(A)
22:20 - 23:20	61.9	dB(A)
23:20 - 00:20	61.7	dB(A)
00:20 - 01:20	61.1	dB(A)
01:20 - 02:20	61.7	dB(A)
02:20 - 03:20	60.9	dB(A)
03:20 - 04:20	61.9	dB(A)
04:20 - 05:20	61.4	dB(A)
05:20 - 06:20	62.2	dB(A)
06:20 - 07:20	62.2	dB(A)
07:20 - 08:20	62.1	dB(A)
08:20 - 09:20	66.9	dB(A)
09:20 - 10:20	66.2	dB(A)
10:20 - 11:20	66.1	dB(A)
11:20 - 12:20	62.8	dB(A)
12:20 - 13:20	63.1	dB(A)
13:20 - 14:20	66.5	dB(A)
14:20 - 15:20	66.3	dB(A)
15:20 - 16:20	63.9	dB(A)
16:20 - 17:20	64.4	dB(A)
$L_{eq}$ 24 hr.	65.2	dB(A)
$L_{dn\#}$	69.2	dB(A)
Standard	70 <sup>/1,2</sup>	dB(A)

**REMARK :** # Test Report/Sampling marked 'Not TISI Accredited' in this report are not included in the TISI Accreditation Schedule for our laboratory

<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)

\* Parameter Outside The Scope of The Registration of The Department of Industrial Works  
(Ms. Thanaporn Klinsoon is Section Head, Ms. Wanpen Lhaochindawat is Technical Management)  
(Measurement By Mr. Tummarut Phorakham)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By.....  
(MRS. WANPEN LHAOCHINDAWAT)

<sup>/3</sup> Start Time

27/09/2022

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 : 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 00209072 : Type 2  
SAMPLE NO. : 32305  
MEASURING DATE : 31/10/2022 - 01/11/2022  
RECEIVED DATE : 03/11/2022  
REPORTED DATE : 11/11/2022

TIME \ DATE	31/10/2022 - 01/11/2022 ( $L_{eq}$ )	UNIT
17:00 - 18:00 <sup>/3</sup>	63.8	dB(A)
18:00 - 19:00	67.1	dB(A)
19:00 - 20:00	71.6	dB(A)
20:00 - 21:00	70.5	dB(A)
21:00 - 22:00	70.0	dB(A)
22:00 - 23:00	69.2	dB(A)
23:00 - 00:00	63.5	dB(A)
00:00 - 01:00	63.0	dB(A)
01:00 - 02:00	62.1	dB(A)
02:00 - 03:00	61.4	dB(A)
03:00 - 04:00	62.4	dB(A)
04:00 - 05:00	62.0	dB(A)
05:00 - 06:00	61.6	dB(A)
06:00 - 07:00	62.8	dB(A)
07:00 - 08:00	64.3	dB(A)
08:00 - 09:00	67.8	dB(A)
09:00 - 10:00	68.0	dB(A)
10:00 - 11:00	70.5	dB(A)
11:00 - 12:00	63.8	dB(A)
12:00 - 13:00	64.1	dB(A)
13:00 - 14:00	68.0	dB(A)
14:00 - 15:00	69.9	dB(A)
15:00 - 16:00	66.8	dB(A)
16:00 - 17:00	65.4	dB(A)
$L_{eq}$ 24 hr.	67.0	dB(A)
$L_{dn}$	71.3	dB(A)
Standard	70 <sup>/1, /2</sup>	dB(A)

**REMARK :** <sup>#</sup> Test Report/Sampling marked 'Not TISI Accredited' in this report are not included in the TISI Accreditation Schedule for our laboratory  
<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  
(Ms. Thanatporn Klinsopon is Section Head, Mrs. Wanpen Lhaochindawat is Technical Management)  
(Measurement By Mr. Tummarut Photakham)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By.....  
(MRS. WANPEN LHAOCHINDAWAT)

11/11/2022

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY  
THIS REPORT SHALL NOT REPRODUCED EXCEPT IN FULL  
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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 : 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 01147298 : Type 2

SAMPLE NO. : 28246  
MEASURING DATE : 21-22/09/2022  
RECEIVED DATE : 22/09/2022  
REPORTED DATE : 27/09/2022

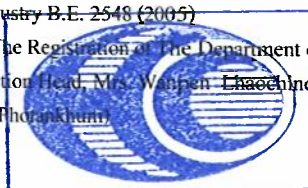
TIME \ DATE	21-22/09/2022 ( $L_{eq}$ )	UNIT
17:40 - 18:40 <sup>13</sup>	61.3	dB(A)
18:40 - 19:40	63.8	dB(A)
19:40 - 20:40	61.2	dB(A)
20:40 - 21:40	62.9	dB(A)
21:40 - 22:40	63.1	dB(A)
22:40 - 23:40	61.1	dB(A)
23:40 - 00:40	61.7	dB(A)
00:40 - 01:40	60.1	dB(A)
01:40 - 02:40	61.1	dB(A)
02:40 - 03:40	60.9	dB(A)
03:40 - 04:40	63.5	dB(A)
04:40 - 05:40	60.1	dB(A)
05:40 - 06:40	62.4	dB(A)
06:40 - 07:40	61.1	dB(A)
07:40 - 08:40	59.5	dB(A)
08:40 - 09:40	60.8	dB(A)
09:40 - 10:40	59.6	dB(A)
10:40 - 11:40	60.5	dB(A)
11:40 - 12:40	60.9	dB(A)
12:40 - 13:40	61.6	dB(A)
13:40 - 14:40	61.0	dB(A)
14:40 - 15:40	61.6	dB(A)
15:40 - 16:40	60.7	dB(A)
16:40 - 17:40	61.7	dB(A)
$L_{eq}$ 24 hr.	61.5	dB(A)
$L_{dn}$	68.1	dB(A)
Standard	70 <sup>11,12</sup>	dB(A)

**REMARK :** # Test Report/Sampling marked 'Not TISI Accredited' in this report are not included in the TISI Accreditation Schedule for our laboratory

<sup>11</sup> Notification of Office of The National Environmental Board Volume 15 B.E. 2540 (1997)

<sup>12</sup> Notification of Ministry of the Industry B.E. 2548 (2005)

\* 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 Mr. Tummarut Phorankham)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By.....  
(MRS. WANPEN LHAOCHINDAWAT)

27/09/2022

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 : 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 090085 : Type 2


SAMPLE NO. : 32306  
MEASURING DATE : 31/10/2022 - 01/11/2022  
RECEIVED DATE : 03/11/2022  
REPORTED DATE : 11/11/2022

TIME \ DATE	31/10/2022 - 01/11/2022 ( $L_{eq}$ )	UNIT
17:00 - 18:00 <sup>/3</sup>	58.0	dB(A)
18:00 - 19:00	56.6	dB(A)
19:00 - 20:00	60.5	dB(A)
20:00 - 21:00	59.0	dB(A)
21:00 - 22:00	54.2	dB(A)
22:00 - 23:00	54.7	dB(A)
23:00 - 00:00	53.3	dB(A)
00:00 - 01:00	53.1	dB(A)
01:00 - 02:00	50.4	dB(A)
02:00 - 03:00	50.6	dB(A)
03:00 - 04:00	51.8	dB(A)
04:00 - 05:00	52.7	dB(A)
05:00 - 06:00	54.6	dB(A)
06:00 - 07:00	59.3	dB(A)
07:00 - 08:00	61.3	dB(A)
08:00 - 09:00	56.8	dB(A)
09:00 - 10:00	56.4	dB(A)
10:00 - 11:00	55.0	dB(A)
11:00 - 12:00	54.6	dB(A)
12:00 - 13:00	53.7	dB(A)
13:00 - 14:00	54.1	dB(A)
14:00 - 15:00	56.3	dB(A)
15:00 - 16:00	55.0	dB(A)
16:00 - 17:00	58.8	dB(A)
$L_{eq}$ 24 hr.	56.4	dB(A)
$L_{dn\#}$	61.3	dB(A)
Standard	70 <sup>/1, /2</sup>	dB(A)

**REMARK :** # Test Report/Sampling marked 'Not TISI Accredited' in this report are not included in the TISI Accreditation Schedule for our laboratory  
<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)  
 \* Parameter Outside The Scope of The Registration of The Department of Industrial Works  
 (Ms. Thanaporn Klinsopon is Section Head, Mrs. Wanpen Lhaochindawat is Technical Management)  
 (Measurement By Mr. Tummarut Photakham)



บริษัท อีสเทิร์นไทยคอนซัลติง 1992 จำกัด

<sup>/3</sup> Start Time  
 Approved By.   
 (MRS. WANPEN LHAOCHINDAWAT)

11/11/2022

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

ผลการตรวจวัดระดับเสียงในบริเวณการทำงาน

**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 (Caster & Furnace Machine)  
PARAMETER\*\*\* :  $L_{eq}$  1 hr. &  $L_{eq}$  8 hr. SAMPLE NO. : 28235  
DETERMINATION METHOD : ISO 11202:2010 MEASURING DATE : 22/09/2022  
INSTRUMENT : Integrated Sound Level Meter RECEIVED DATE : 22/09/2022  
S/N 00443359 : Type 2 REPORTED DATE : 27/09/2022

MEASURING TIME	RESULT <sup>/1</sup>	RESULT <sup>/2</sup>	UNIT
08:55-09:55	80.4	80.4	dB(A)
09:55-10:55	79.6	79.6	dB(A)
10:55-11:55	79.4	79.4	dB(A)
11:55-12:55	79.5	79.5	dB(A)
12:55-13:55	79.9	79.9	dB(A)
13:55-14:55	79.8	79.8	dB(A)
14:55-15:55	79.9	79.9	dB(A)
15:55-16:55	78.2	78.2	dB(A)
$L_{eq}$ 8 hr. (TWA)	79*	79**	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

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

(Measurement By Mr. Wattana Khotla)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By 

(MRS. WANPEN LHAOCHINDAWAT)

27/09/2022

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY

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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 : บริเวณเครื่องรีดรีดร้อนและเตาหลอม (Caster & Furnace Machine)  
PARAMETER\*\*\* :  $L_{eq}$  1 hr. &  $L_{eq}$  8 hr. SAMPLE NO. : 32296  
DETERMINATION METHOD : ISO 11202:2010 MEASURING DATE : 01/11/2022  
INSTRUMENT : Integrated Sound Level Meter RECEIVED DATE : 03/11/2022  
S/N 01147298 : Type 2 REPORTED DATE : 11/11/2022

MEASURING TIME	RESULT <sup>1</sup>	RESULT <sup>2</sup>	UNIT
09:15-10:15	80.8	80.8	dB(A)
10:15-11:15	81.0	81.0	dB(A)
11:15-12:15	80.3	80.3	dB(A)
12:15-13:15	80.4	80.4	dB(A)
13:15-14:15	80.8	80.8	dB(A)
14:15-15:15	82.1	82.1	dB(A)
15:15-16:15	84.6	84.6	dB(A)
16:15-17:15	84.8	84.8	dB(A)
$L_{eq}$ 8 hr. (TWA)	82*	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

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

(Measurement By Ms. Winida Jampaton)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By 

(MRS. WANPEN LHAOCHINDAWAT)

11/11/2022

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 : บริเวณเครื่องรีดเย็น (Cold Mill Machine)  
PARAMETER\*\*\* :  $L_{eq}$  1 hr. &  $L_{eq}$  8 hr. SAMPLE NO. : 28234  
DETERMINATION METHOD : ISO 11202:2010 MEASURING DATE : 22/09/2022  
INSTRUMENT : Integrated Sound Level Meter RECEIVED DATE : 22/09/2022  
S/N 00310458 : Type 2 REPORTED DATE : 27/09/2022

MEASURING TIME	RESULT <sup>1</sup>	RESULT <sup>2</sup>	UNIT
08:50-09:50	81.5	81.5	dB(A)
09:50-10:50	69.8	69.8	dB(A)
10:50-11:50	69.8	69.8	dB(A)
11:50-12:50	79.0	79.0	dB(A)
12:50-13:50	80.6	80.6	dB(A)
13:50-14:50	76.2	76.2	dB(A)
14:50-15:50	71.9	71.9	dB(A)
15:50-16:50	70.2	70.2	dB(A)
$L_{eq}$ 8 hr. (TWA)	77*	76**	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

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

(Measurement By Mr. Wattana Khotla)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By 

(MRS. WANPEN LHAOCHINDAWAT)

27/09/2022

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY

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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 : บริเวณเครื่องรีดเย็น (Cold Mill Machine)  
PARAMETER\*\*\* :  $L_{eq}$  1 hr. &  $L_{eq}$  8 hr. SAMPLE NO. : 32297  
DETERMINATION METHOD : ISO 11202:2010 MEASURING DATE : 01/11/2022  
INSTRUMENT : Integrated Sound Level Meter RECEIVED DATE : 03/11/2022  
S/N 00443357 : Type 2 REPORTED DATE : 11/11/2022

MEASURING TIME	RESULT <sup>1</sup>	RESULT <sup>2</sup>	UNIT
09:05-10:05	83.2	83.2	dB(A)
10:05-11:05	81.3	81.3	dB(A)
11:05-12:05	68.3	68.3	dB(A)
12:05-13:05	71.3	71.3	dB(A)
13:05-14:05	83.3	83.3	dB(A)
14:05-15:05	85.6	85.6	dB(A)
15:05-16:05	76.1	76.1	dB(A)
16:05-17:05	71.3	71.3	dB(A)
$L_{eq}$ 8 hr. (TWA)	80*	79**	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

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

(Measurement By Ms. Winida Jampaton)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By   
(MRS. WANPEN LHAOCHINDAWAT)

11/11/2022

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 : บริเวณด้านหลังเครื่องปั๊มหมายเลข 2 (X-Y Blanking Machine No. 2)  
PARAMETER\*\*\* :  $L_{eq}$  1 hr. &  $L_{eq}$  8 hr. SAMPLE NO. : 28239  
DETERMINATION METHOD : ISO 11202:2010 MEASURING DATE : 22/09/2022  
INSTRUMENT : Integrated Sound Level Meter RECEIVED DATE : 22/09/2022  
S/N 01147299 : Type 2 REPORTED DATE : 27/09/2022

MEASURING TIME	RESULT <sup>1</sup>	RESULT <sup>2</sup>	UNIT
08:35-09:35	84.3	84.3	dB(A)
09:35-10:35	80.4	80.4	dB(A)
10:35-11:35	83.9	83.9	dB(A)
11:35-12:35	81.3	81.3	dB(A)
12:35-13:35	85.2	85.2	dB(A)
13:35-14:35	84.6	84.6	dB(A)
14:35-15:35	80.7	80.7	dB(A)
15:35-16:35	82.5	82.5	dB(A)
$L_{eq}$ 8 hr. (TWA)	83*	83**	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

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

(Measurement By Mr. Wattana Khotla)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

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27/09/2022

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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 : บริเวณด้านหลังเครื่องปั๊มหมายเลข 2 (X-Y Blanking Machine No. 2)  
PARAMETER\*\*\* :  $L_{eq}$  1 hr. &  $L_{eq}$  8 hr. SAMPLE NO. : 32299  
DETERMINATION METHOD : ISO 11202:2010 MEASURING DATE : 01/11/2022  
INSTRUMENT : Integrated Sound Level Meter RECEIVED DATE : 03/11/2022  
S/N 01209916 : Type 2 REPORTED DATE : 11/11/2022

MEASURING TIME	RESULT <sup>1</sup>	RESULT <sup>2</sup>	UNIT
08:55-09:55	81.3	81.3	dB(A)
09:55-10:55	82.7	82.7	dB(A)
10:55-11:55	80.5	80.5	dB(A)
11:55-12:55	84.0	84.0	dB(A)
12:55-13:55	83.6	83.6	dB(A)
13:55-14:55	83.1	83.1	dB(A)
14:55-15:55	83.0	83.0	dB(A)
15:55-16:55	82.3	82.3	dB(A)
$L_{eq}$ 8 hr. (TWA)	82*	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

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

(Measurement By Ms. Winida Jampaton)



บริษัท อีสเทิร์นไทยคอนซัลติง 1992 จำกัด

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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 : บริเวณเครื่องอบ หมายเลข 2 ( Flash Annealing Machine No. 2)  
PARAMETER\*\*\* :  $L_{eq}$  1 hr. &  $L_{eq}$  8 hr. SAMPLE NO. : 28236  
DETERMINATION METHOD : ISO 11202:2010 MEASURING DATE : 22/09/2022  
INSTRUMENT : Integrated Sound Level Meter RECEIVED DATE : 22/09/2022  
S/N 00209079 : Type 2 REPORTED DATE : 27/09/2022

MEASURING TIME	RESULT <sup>1</sup>	RESULT <sup>2</sup>	UNIT
08:25-09:25	82.2	82.2	dB(A)
09:25-10:25	79.9	79.9	dB(A)
10:25-11:25	82.9	82.9	dB(A)
11:25-12:25	82.5	82.5	dB(A)
12:25-13:25	83.6	83.6	dB(A)
13:25-14:25	82.7	82.7	dB(A)
14:25-15:25	82.0	82.0	dB(A)
15:25-16:25	84.7	84.7	dB(A)
$L_{eq}$ 8 hr. (TWA)	82*	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

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

(Measurement By Mr. Wattana Khotla)



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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 : บริเวณเครื่องอบ หมายเลข 2 ( Flash Annealing Machine No. 2)  
PARAMETER\*\*\* :  $L_{eq}$  1 hr. &  $L_{eq}$  8 hr. SAMPLE NO. : 32301  
DETERMINATION METHOD : ISO 11202:2010 MEASURING DATE : 01/11/2022  
INSTRUMENT : Integrated Sound Level Meter RECEIVED DATE : 03/11/2022  
S/N 00209071 : Type 2 REPORTED DATE : 11/11/2022

MEASURING TIME	RESULT <sup>1</sup>	RESULT <sup>2</sup>	UNIT
08:40-09:40	82.4	82.4	dB(A)
09:40-10:40	82.4	82.4	dB(A)
10:40-11:40	80.0	80.0	dB(A)
11:40-12:40	83.5	83.5	dB(A)
12:40-13:40	83.4	83.4	dB(A)
13:40-14:40	83.2	83.2	dB(A)
14:40-15:40	83.0	83.0	dB(A)
15:40-16:40	81.5	81.5	dB(A)
$L_{eq}$ 8 hr. (TWA)	82*	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

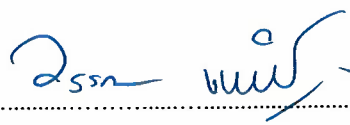
\*\*\* Parameter have License Registration of Department of Labour Protection and Welfare No. 0403-03-2564-0009

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

(Measurement By Ms. Winida Jampaton)



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11/11/2022

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ผลการตรวจวัดระดับความร้อนในบริเวณการทำงาน

Request No. LA65-R0738

Report No. R6507-1051 - R6507-1052

## 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 #1 (ตรวจวัดบริเวณที่ห่างจากด้านหน้าเตา 1 เมตร) Furnace Section #1  
บริเวณควบคุมเครื่องจักรของเตาหลอมและเครื่องหล่ออย่างต่อเนื่อง #1  
Furnace & Caster Control Panel Continuous Casting Machine #1

MEASURING DATE : 05/07/2022 SAMPLE NO. : 16316-16317

SAMPLING INSTRUMENT : Heat Stress ; RECEIVED DATE : 05/07/2022  
Wet Bulb Globe Temperature (WBGT) ; REPORTED DATE : 10/07/2022  
Serial No. TEU080012, TEU080011

PARAMETER*	SAMPLING TIME	RESULT				
		NWB	GT	DB	WBGT	UNIT
Heat Stress						
บริเวณควบคุมเครื่องจักรของเตาหลอมและเครื่องหล่ออย่างต่อเนื่อง #1	11:00-11:30	27.2	33.9	33.0	29.2	°C
	11:30-12:00	27.5	33.9	33.0	29.4	°C
Furnace & Caster Control Panel	12:00-12:30	27.5	34.1	33.1	29.5	°C
Continuous Casting Machine #1	12:30-13:00	27.2	33.9	33.0	29.2	°C
<b>WBGT AVERAGE</b>	11:00-13:00	-	-	-	29.3	°C
Heat Stress	11:00-11:30	27.0	37.6	33.8	30.2	°C
บริเวณเตาหลอมและเตาพัก #1	11:30-12:00	27.3	37.3	33.6	30.3	°C
(ตรวจวัดบริเวณที่ห่างจากด้านหน้าเตา 1 เมตร) Furnace Section #1	12:00-12:30	27.4	37.4	33.9	30.4	°C
	12:30-13:00	27.1	37.4	33.8	30.2	°C
<b>WBGT AVERAGE</b>	11:00-13:00	-	-	-	30.3	°C
<b>WBGT (TWA)</b>	11:00-13:00	-	-	-	29.8	°C
<b>STANDARD</b>		-	-	-	32.0 <sup>1/2</sup>	°C

## REMARK:

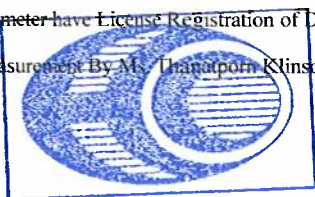
Work Load is Moderate, Indoor

<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. Thanaporn Klinsoon)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By.....

(MRS. WANPEN LHAOCHINDAWAT)

10/07/2022

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Request No. LA65-R0738

Report No. R6507-1052

## 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 : บริเวณควบคุมเครื่องจักรของเตาหลอมและเครื่องหล่ออย่างต่อเนื่อง #1  
Furnace & Caster Control Panel Continuous Casting Machine #1

MEASURING DATE : 05/07/2022 SAMPLE NO. : 16317

SAMPLING INSTRUMENT : Heat Stress ; RECEIVED DATE : 05/07/2022  
Wet Bulb Globe Temperature (WBGT) ; REPORTED DATE : 10/07/2022  
Serial No. TEU080011

PARAMETER*	SAMPLING TIME	RESULT				
		NWB	GT	DB	WBGT	UNIT
Heat Stress	11:00-11:30	27.2	33.9	33.0	29.2	°C
	11:30-12:00	27.5	33.9	33.0	29.4	°C
	12:00-12:30	27.5	34.1	33.1	29.5	°C
	12:30-13:00	27.2	33.9	33.0	29.2	°C
WBGT AVERAGE	11:00-13:00	-	-	-	29.3	°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. Thanatporn Klinsopon)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

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(MRS. WANPEN LHAOCHINDAWAT)

10/07/2022



Request No. LA65-R0738

Report No. R6507-1051

## 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 #1 (ตรวจวัดบริเวณที่ห่างจากด้านหน้าเตา 1 เมตร) Furnace Section #1

MEASURING DATE : 05/07/2022 SAMPLE NO. : 16316

SAMPLING INSTRUMENT : Heat Stress ; RECEIVED DATE : 05/07/2022

Wet Bulb Globe Temperature (WBGT) ; REPORTED DATE : 10/07/2022

Serial No. TEU080012

PARAMETER*	SAMPLING TIME	RESULT				
		NWB	GT	DB	WBGT	UNIT
Heat Stress	11:00-11:30	27.0	37.6	33.8	30.2	°C
	11:30-12:00	27.3	37.3	33.6	30.3	°C
	12:00-12:30	27.4	37.4	33.9	30.4	°C
	12:30-13:00	27.1	37.4	33.8	30.2	°C
WBGT AVERAGE	11:00-13:00	-	-	-	30.3	°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

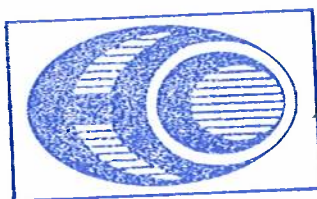
GT = Globe Temperature

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. Thanatporn Klinsoyon)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By.....

(MRS. WANPEN LHAOCHINDAWAT)

10/07/2022

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Request No. LA65-R0815

Report No. R6508-1467 - R6508-1468

## 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 : บริเวณเตาหลอมและเคาท์ #1 (ตรวจวัดบริเวณที่ห่างจากด้านหน้าเตา 1 เมตร) Furnace Section #1  
บริเวณควบคุมเครื่องจักรของเตาหลอมและเครื่องหล่ออย่างต่อเนื่อง #1  
Furnace & Caster Control Panel Continuous Casting Machine #1

MEASURING DATE : 04/08/2022 SAMPLE NO. : 22060-22061

SAMPLING INSTRUMENT : Heat Stress ; RECEIVED DATE : 04/08/2022  
Wet Bulb Globe Temperature (WBGT) ; REPORTED DATE : 15/08/2022  
Serial No. TPL090016, TEU080013

PARAMETER*	SAMPLING TIME	RESULT				
		NWB	GT	DB	WBGT	UNIT
Heat Stress						
บริเวณควบคุมเครื่องจักรของเตาหลอมและ	11:00-11:30	26.4	37.0	33.3	29.6	°C
เครื่องหล่ออย่างต่อเนื่อง #1	11:30-12:00	26.4	37.1	33.4	29.6	°C
Furnace & Caster Control Panel	12:00-12:30	26.8	37.6	33.9	30.0	°C
Continuous Casting Machine #1	12:30-13:00	26.5	37.7	33.5	29.9	°C
WBGT AVERAGE	11:00-13:00	-	-	-	29.8	°C
Heat Stress	11:00-11:30	27.2	40.0	34.0	31.0	°C
บริเวณเตาหลอมและเคาท์ #1	11:30-12:00	26.5	39.3	33.7	30.3	°C
(ตรวจวัดบริเวณที่ห่างจากด้านหน้าเตา	12:00-12:30	26.8	39.2	34.3	30.5	°C
1 เมตร) Furnace Section #1	12:30-13:00	26.4	38.4	33.8	30.0	°C
WBGT AVERAGE	11:00-13:00	-	-	-	30.5	°C
WBGT (TWA)	11:00-13:00	-	-	-	30.1	°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. Thanatpon Kinsopon)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By.....

(MRS. WANPEN LHAOCHINDAWAT)

15/08/2022

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Request No. LA65-R0815

Report No. R6508-1467

## 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 : บริเวณควบคุมเครื่องจักรของเตาหลอมและเครื่องหล่ออย่างต่อเนื่อง #1  
Furnace & Caster Control Panel Continuous Casting Machine #1

MEASURING DATE : 04/08/2022 SAMPLE NO. : 22060

SAMPLING INSTRUMENT : Heat Stress ; RECEIVED DATE : 04/08/2022  
Wet Bulb Globe Temperature (WBGT) ; REPORTED DATE : 15/08/2022  
Serial No. TPL090016

PARAMETER*	SAMPLING TIME	RESULT				
		NWB	GT	DB	WBGT	UNIT
Heat Stress	11:00-11:30	26.4	37.0	33.3	29.6	°C
	11:30-12:00	26.4	37.1	33.4	29.6	°C
	12:00-12:30	26.8	37.6	33.9	30.0	°C
	12:30-13:00	26.5	37.7	33.5	29.9	°C
WBGT AVERAGE	11:00-13:00	-	-	-	29.8	°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

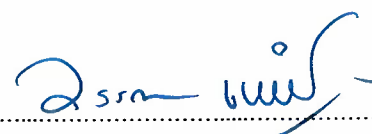
WBGT = Wet - Bulb Globe Temperature

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



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By.....

  
(MRS. WANPEN LHAOCHINDAWAT)

15/08/2022

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Request No. LA65-R0815

Report No. R6508-1468

## 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 #1 (ตรวจวัดบริเวณที่ห่างจากด้านหน้าเตา 1 เมตร) Furnace Section #1  
 MEASURING DATE : 04/08/2022 SAMPLE NO. : 22061  
 SAMPLING INSTRUMENT : Heat Stress ; RECEIVED DATE : 04/08/2022  
 Wet Bulb Globe Temperature (WBGT) ; REPORTED DATE : 15/08/2022  
 Serial No. TEU080013

PARAMETER*	SAMPLING TIME	RESULT				
		NWB	GT	DB	WBGT	UNIT
Heat Stress	11:00-11:30	27.2	40.0	34.0	31.0	°C
	11:30-12:00	26.5	39.3	33.7	30.3	°C
	12:00-12:30	26.8	39.2	34.3	30.5	°C
	12:30-13:00	26.4	38.4	33.8	30.0	°C
WBGT AVERAGE	11:00-13:00	-	-	-	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. Thanatporn Klinsoon)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By.....

(MRS. WANPEN LHAOCHINDAWAT)

15/08/2022

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY

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Request No. LA65-R0939

Report No. R6509-3575 - R6509-3576

## 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 #1 (ตรวจวัดบริเวณที่ห่างจากด้านบนเตา 1 เมตร) Furnace Section #1  
บริเวณควบคุมเครื่องจักรของเตาหลอมและเครื่องหล่ออย่างต่อเนื่อง #1  
Furnace & Caster Control Panel Continuous Casting Machine #1

MEASURING DATE : 13/09/2022 SAMPLE NO. : 27654-27655

SAMPLING INSTRUMENT : Heat Stress ; RECEIVED DATE : 13/09/2022  
Wet Bulb Globe Temperature (WBGT) ; REPORTED DATE : 17/09/2022  
Serial No. TEU080015, TEU080012

PARAMETER*	SAMPLING TIME	RESULT				
		NWB	GT	DB	WBGT	UNIT
Heat Stress						
บริเวณควบคุมเครื่องจักรของเตาหลอมและ	11:00-11:30	27.0	31.3	31.0	28.3	°C
เครื่องหล่ออย่างต่อเนื่อง #1	11:30-12:00	27.1	31.8	31.4	28.5	°C
Furnace & Caster Control Panel	12:00-12:30	26.4	31.7	31.4	28.0	°C
Continuous Casting Machine #1	12:30-13:00	26.5	31.6	31.5	28.0	°C
WBGT AVERAGE	11:00-13:00	-	-	-	28.2	°C
Heat Stress	11:00-11:30	27.2	34.9	32.1	29.5	°C
บริเวณเตาหลอมและเตาพัก #1	11:30-12:00	27.2	35.6	32.6	29.7	°C
(ตรวจวัดบริเวณที่ห่างจากด้านบนเตา	12:00-12:30	27.1	36.2	32.8	29.8	°C
1 เมตร) Furnace Section #1	12:30-13:00	27.1	36.9	33.0	30.0	°C
WBGT AVERAGE	11:00-13:00	-	-	-	29.8	°C
WBGT (TWA)	11:00-13:00	-	-	-	29.0	°C
STANDARD		-	-	-	32.0 <sup>1,2</sup>	°C

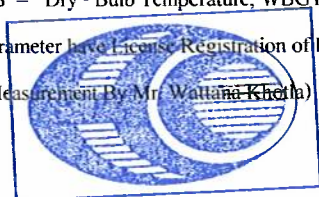
## REMARK:

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 Mr. Wattana Khetla)

บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By.....

(MRS. WANPEN LHAOCHINDAWAT)

17/09/2022

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Request No. LA65-R0939

Report No. R6509-3575

## 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 : บริเวณควบคุมเครื่องจักรของเตาหลอมและเครื่องหล่ออย่างต่อเนื่อง #1  
Furnace & Caster Control Panel Continuous Casting Machine #1

MEASURING DATE : 13/09/2022 SAMPLE NO. : 27654

SAMPLING INSTRUMENT : Heat Stress ; RECEIVED DATE : 13/09/2022  
Wet Bulb Globe Temperature (WBGT) ; REPORTED DATE : 17/09/2022  
Serial No. TEU080015

PARAMETER*	SAMPLING TIME	RESULT				
		NWB	GT	DB	WBGT	UNIT
Heat Stress	11:00-11:30	27.0	31.3	31.0	28.3	°C
	11:30-12:00	27.1	31.8	31.4	28.5	°C
	12:00-12:30	26.4	31.7	31.4	28.0	°C
	12:30-13:00	26.5	31.6	31.5	28.0	°C
WBGT AVERAGE	11:00-13:00	-	-	-	28.2	°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

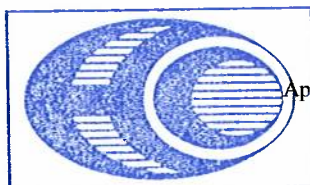
GT = Globe Temperature

DB = Dry - Bulb Temperature

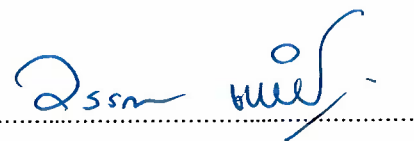
WBGT = Wet - Bulb Globe Temperature

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

(Measurement By Mr. Wattana Khotla)



Approved By.....



(MRS. WANPEN LHAOCHINDAWAT)

17/09/2022

 บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด  
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Request No. LA65-R0939

Report No. R6509-3576

## 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 #1 (ตรวจวัดบริเวณที่ห่างจากด้านหน้าเตา 1 เมตร) Furnace Section #1  
 MEASURING DATE : 13/09/2022 SAMPLE NO. : 27655  
 SAMPLING INSTRUMENT : Heat Stress ; RECEIVED DATE : 13/09/2022  
 Wet Bulb Globe Temperature (WBGT) ; REPORTED DATE : 17/09/2022  
 Serial No. TEU080012

PARAMETER*	SAMPLING TIME	RESULT				
		NWB	GT	DB	WBGT	UNIT
Heat Stress	11:00-11:30	27.2	34.9	32.1	29.5	°C
	11:30-12:00	27.2	35.6	32.6	29.7	°C
	12:00-12:30	27.1	36.2	32.8	29.8	°C
	12:30-13:00	27.1	36.9	33.0	30.0	°C
WBGT AVERAGE	11:00-13:00	-	-	-	29.8	°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)

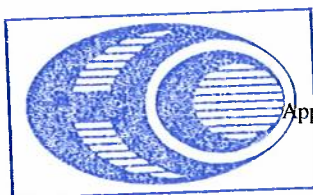
NWB = Natural Wet - Bulb Temperature

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 Mr. Wattana Khotla)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By.....

(MRS. WANPEN LHAOCHINDAWAT)

17/09/2022

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Request No. LA65-R1014

Report No. R6510-0196 - R6510-0197

## 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 #1 (ตรวจวัดบริเวณที่ห่างจากด้านหน้าเตา 1 เมตร) Furnace Section #1  
บริเวณเครื่องหล่ออย่างต่อเนื่อง #1 Continuous Caster #1

MEASURING DATE : 04/10/2022 SAMPLE NO. : 29493-29494

SAMPLING INSTRUMENT : Heat Stress ; RECEIVED DATE : 04/10/2022  
Wet Bulb Globe Temperature (WBGT) ; REPORTED DATE : 06/10/2022  
Serial No. TPI050069, TPI050070

PARAMETER*	SAMPLING TIME	RESULT				UNIT
		NWB	GT	DB	WBGT	
Heat Stress						
บริเวณเตาหลอมและเตาพัก #1	11:00-11:30	27.8	41.3	34.6	31.9	°C
(ตรวจวัดบริเวณที่ห่างจากด้านหน้าเตา	11:30-12:00	27.9	40.7	35.0	31.7	°C
1 เมตร) Furnace Section #1	12:00-12:30	28.1	39.4	35.2	31.5	°C
	12:30-13:00	28.2	39.1	35.7	31.5	°C
<b>WBGT AVERAGE</b>	11:00-13:00	-	-	-	31.6	°C
Heat Stress	11:00-11:30	26.2	35.3	32.0	28.9	°C
บริเวณเครื่องหล่ออย่างต่อเนื่อง #1	11:30-12:00	26.4	35.7	32.2	29.2	°C
Continuous Caster #1	12:00-12:30	26.6	36.0	32.9	29.4	°C
	12:30-13:00	26.8	36.1	32.7	29.6	°C
<b>WBGT AVERAGE</b>	11:00-13:00	-	-	-	29.3	°C
<b>WBGT (TWA)</b>	11:00-13:00	-	-	-	30.5	°C
<b>STANDARD</b>		-	-	-	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 Mr. Wattana Khotla)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By



(MRS. WANPEN LHAOCHINDAWAT)

06/10/2022

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Request No. LA65-R1014

Report No. R6510-0197

## 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 #1 (ตรวจวัดบริเวณที่ห่างจากด้านบนเตา 1 เมตร) Furnace Section #1

MEASURING DATE : 04/10/2022 SAMPLE NO. : 29494

SAMPLING INSTRUMENT : Heat Stress ; RECEIVED DATE : 04/10/2022

Wet Bulb Globe Temperature (WBGT) ; REPORTED DATE : 06/10/2022

Serial No. TPI050070

PARAMETER*	SAMPLING TIME	RESULT				
		NWB	GT	DB	WBGT	UNIT
Heat Stress	11:00-11:30	27.8	41.3	34.6	31.9	°C
	11:30-12:00	27.9	40.7	35.0	31.7	°C
	12:00-12:30	28.1	39.4	35.2	31.5	°C
	12:30-13:00	28.2	39.1	35.7	31.5	°C
WBGT AVERAGE	11:00-13:00	-	-	-	31.6	°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 Mr. Wattana Khotla)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By.....

(MRS. WANPEN LHAOCHINDAWAT)

06/10/2022

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY

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Request No. LA65-R1014

Report No. R6510-0196

## 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 : บริเวณเครื่องหล่ออย่างต่อเนื่อง #1 Continuous Caster #1

MEASURING DATE : 04/10/2022 SAMPLE NO. : 29493

SAMPLING INSTRUMENT : Heat Stress ; RECEIVED DATE : 04/10/2022

Wet Bulb Globe Temperature (WBGT) ; REPORTED DATE : 06/10/2022

Serial No. TPI050069

PARAMETER*	SAMPLING TIME	RESULT				
		NWB	GT	DB	WBGT	UNIT
Heat Stress	11:00-11:30	26.2	35.3	32.0	28.9	°C
	11:30-12:00	26.4	35.7	32.2	29.2	°C
	12:00-12:30	26.6	36.0	32.9	29.4	°C
	12:30-13:00	26.8	36.1	32.7	29.6	°C
WBGT AVERAGE	11:00-13:00	-	-	-	29.3	°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 Mr. Wattana Khotla)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By.....

(MRS. WANPEN LHAOCHINDAWAT)

06/10/2022

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Request No. LA65-R1131

Report No. R6511-1098 - R6511-1099

## 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 #1 (ตรวจวัดบริเวณที่ห่างจากด้านหน้าเตา 1 เมตร) Furnace Section #1  
บริเวณควบคุมเครื่องจักรของเตาหลอมและเครื่องหล่ออย่างต่อเนื่อง #1  
Furnace & Caster Control Panel Continuous Casting Machine #1

MEASURING DATE : 03/11/2022 SAMPLE NO. : 32294-32295

SAMPLING INSTRUMENT : Heat Stress ; RECEIVED DATE : 03/11/2022  
Wet Bulb Globe Temperature (WBGT) ; REPORTED DATE : 11/11/2022  
Serial No. TEU080012, TEU080013

PARAMETER*	SAMPLING TIME	RESULT				
		NWB	GT	DB	WBGT	UNIT
Heat Stress						
บริเวณควบคุมเครื่องจักรของเตาหลอม	11:00-11:30	21.2	32.2	31.9	24.5	°C
และเครื่องหล่ออย่างต่อเนื่อง #1	11:30-12:00	21.1	32.6	32.2	24.6	°C
Furnace & Caster Control Panel	12:00-12:30	21.4	32.6	32.5	24.8	°C
Continuous Casting Machine #1	12:30-13:00	21.2	32.9	32.5	24.7	°C
<b>WBGT AVERAGE</b>	11:00-13:00	-	-	-	24.6	°C
Heat Stress	11:00-11:30	23.6	41.6	34.7	29.0	°C
บริเวณเตาหลอมและเตาพัก #1	11:30-12:00	23.9	42.2	35.1	29.4	°C
(ตรวจวัดบริเวณที่ห่างจากด้านหน้าเตา	12:00-12:30	23.6	41.5	34.8	29.0	°C
1 เมตร) Furnace Section #1	12:30-13:00	23.4	41.3	34.9	28.8	°C
<b>WBGT AVERAGE</b>	11:00-13:00	-	-	-	29.0	°C
<b>WBGT (TWA)</b>	11:00-13:00	-	-	-	26.8	°C
<b>STANDARD</b>		-	-	-	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. Winda Jampaton)

บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By.....

(MRS. WANPEN LHAOCHINDAWAT)

11/11/2022

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY

THIS REPORT SHALL NOT REPRODUCED EXCEPT IN FULL

WITHOUT THE WRITTEN APPROVAL LABORATORY

Request No. LA65-R1131

Report No. R6511-1098

## 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 : บริเวณควบคุมเครื่องจักรของเตาหลอมและเครื่องหล่ออย่างต่อเนื่อง #1  
Furnace & Caster Control Panel Continuous Casting Machine #1

MEASURING DATE : 03/11/2022 SAMPLE NO. : 32294

SAMPLING INSTRUMENT : Heat Stress ; RECEIVED DATE : 03/11/2022  
Wet Bulb Globe Temperature (WBGT) ; REPORTED DATE : 11/11/2022  
Serial No. TEU080012

PARAMETER*	SAMPLING TIME	RESULT				
		NWB	GT	DB	WBGT	UNIT
Heat Stress	11:00-11:30	21.2	32.2	31.9	24.5	°C
	11:30-12:00	21.1	32.6	32.2	24.6	°C
	12:00-12:30	21.4	32.6	32.5	24.8	°C
	12:30-13:00	21.2	32.9	32.5	24.7	°C
WBGT AVERAGE	11:00-13:00	-	-	-	24.6	°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. Winida Jampaton)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By.....



(MRS. WANPEN LHAOCHINDAWAT)

11/11/2022

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY

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WITHOUT THE WRITTEN APPROVAL LABORATORY

Request No. LA65-R1131

Report No. R6511-1099

## 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 #1 (ตรวจวัดบริเวณที่ห่างจากด้านหน้าเตา 1 เมตร) Furnace Section #1

MEASURING DATE : 03/11/2022 SAMPLE NO. : 32295

SAMPLING INSTRUMENT : Heat Stress ; RECEIVED DATE : 03/11/2022

Wet Bulb Globe Temperature (WBGT) ; REPORTED DATE : 11/11/2022

Serial No. TEU080013

PARAMETER*	SAMPLING TIME	RESULT				
		NWB	GT	DB	WBGT	UNIT
Heat Stress	11:00-11:30	23.6	41.6	34.7	29.0	°C
	11:30-12:00	23.9	42.2	35.1	29.4	°C
	12:00-12:30	23.6	41.5	34.8	29.0	°C
	12:30-13:00	23.4	41.3	34.9	28.8	°C
WBGT AVERAGE	11:00-13:00	-	-	-	29.0	°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)

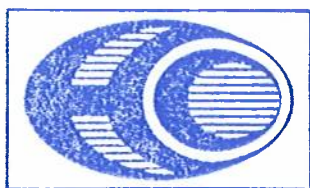
NWB = Natural Wet - Bulb Temperature

GT = Globe Temperature

DB = Dry - Bulb Temperature

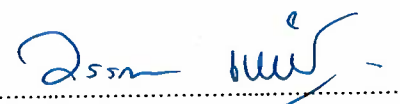
WBGT = Wet - Bulb Globe Temperature

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



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By.....



(MRS. WANPEN LHAOCHINDAWAT)

11/11/2022

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

Request No. LA65-R1220

Report No. R6512-0389 - R6512-0390

## 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 #1 (ตรวจวัดบริเวณที่ห่างจากด้านหน้าเตา 1 เมตร) Furnace Section #1  
 บริเวณเครื่องหล่ออย่างต่อเนื่อง #1 Continuous Caster #1  
 MEASURING DATE : 06/12/2022 SAMPLE NO. : 35301-35302  
 SAMPLING INSTRUMENT : Heat Stress ; RECEIVED DATE : 06/12/2022  
 Wet Bulb Globe Temperature (WBGT) ; REPORTED DATE : 09/12/2022  
 Serial No. TEU080015, TEU080011

PARAMETER*	SAMPLING TIME	RESULT				
		NWB	GT	DB	WBGT	UNIT
Heat Stress						
บริเวณเตาหลอมและเตาพัก #1	10:50-11:20	26.8	40.6	34.6	30.9	°C
(ตรวจวัดบริเวณที่ห่างจากด้านหน้าเตา	11:20-11:50	27.1	40.1	34.8	31.0	°C
1 เมตร) Furnace Section #1	11:50-12:20	27.2	40.0	35.0	31.0	°C
	12:20-12:50	27.4	39.7	35.2	31.1	°C
WBGT AVERAGE	10:50-12:50	-	-	-	31.0	°C
Heat Stress	10:50-11:20	25.3	34.5	31.8	28.1	°C
บริเวณเครื่องหล่ออย่างต่อเนื่อง #1	11:20-11:50	25.3	34.8	31.6	28.2	°C
Continuous Caster #1	11:50-12:20	25.8	35.7	32.2	28.8	°C
	12:20-12:50	25.8	35.9	32.5	28.8	°C
WBGT AVERAGE	10:50-12:50	-	-	-	28.5	°C
WBGT (TWA)	10:50-12:50	-	-	-	29.7	°C
STANDARD		-	-	-	32.0 <sup>1/2</sup>	°C

## REMARK:

Work Load is Moderate, Indoor

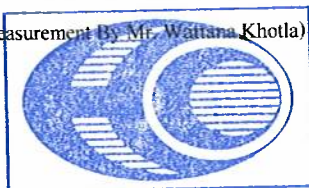
<sup>1</sup> Regulation of The Ministry of Labour B.E. 2559 (2016)<sup>2</sup> Notification of The Ministry of Industry B.E. 2546 (2003)

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 Mr. Wattana Khotla)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By.....

(MRS. WANPEN LHAOCHINDAWAT)

09/12/2022

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Request No. LA65-R1220

Report No. R6512-0389

## 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 #1 (ตรวจวัดบริเวณที่ห่างจากด้านบนเตา 1 เมตร) Furnace Section #1

MEASURING DATE : 06/12/2022 SAMPLE NO. : 35301

SAMPLING INSTRUMENT : Heat Stress ; RECEIVED DATE : 06/12/2022

Wet Bulb Globe Temperature (WBGT) ; REPORTED DATE : 09/12/2022

Serial No. TEU080015

PARAMETER*	SAMPLING TIME	RESULT				
		NWB	GT	DB	WBGT	UNIT
Heat Stress	10:50-11:20	26.8	40.6	34.6	30.9	°C
	11:20-11:50	27.1	40.1	34.8	31.0	°C
	11:50-12:20	27.2	40.0	35.0	31.0	°C
	12:20-12:50	27.4	39.7	35.2	31.1	°C
WBGT AVERAGE	10:50-12:50	-	-	-	31.0	°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 Mr. Wattana Khotla)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By.....

(MRS. WANPEN LHAOCHINDAWAT)

09/12/2022

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Request No. LA65-R1220

Report No. R6512-0390

## 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 : บริเวณเครื่องหล่ออย่างต่อเนื่อง #1 Continuous Caster #1

MEASURING DATE : 06/12/2022 SAMPLE NO. : 35302

SAMPLING INSTRUMENT : Heat Stress ; RECEIVED DATE : 06/12/2022

Wet Bulb Globe Temperature (WBGT) ; REPORTED DATE : 09/12/2022

Serial No. TEU080011

PARAMETER*	SAMPLING TIME	RESULT				
		NWB	GT	DB	WBGT	UNIT
Heat Stress	10:50-11:20	25.3	34.5	31.8	28.1	°C
	11:20-11:50	25.3	34.8	31.6	28.2	°C
	11:50-12:20	25.8	35.7	32.2	28.8	°C
	12:20-12:50	25.8	35.9	32.5	28.8	°C
WBGT AVERAGE	10:50-12:50	-	-	-	28.5	°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 Mr. Wattana Khotla)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By.....

(MRS. WANPEN LHAOCHINDAWAT)

09/12/2022

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