

ผลการทดสอบคุณภาพอากาศในปล่องระบาย

Request No. LA66-0547

Report No. 6606-0180

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 : 22/05/2023 SAMPLE NO. : 02965
 RECEIVED DATE : 24/05/2023 SAMPLING TIME : 10:00-10:05
 TESTED DATE : 24/05/2023 – 05/06/2023 REPORTED DATE : 08/06/2023

STACK DESCRIPTION

Height :	26.32	m	Type of Process :	Combustion
Diameter :	1.85	m	Type of Fuel :	Natural Gas
Temperature :	81.00	°C	Oxygen Content :	19.10 %
Air Velocity :	10.87	m/s	Barometric Pressure :	757.75 mm.Hg
Flow rate ^{/4} :	23.07	m ³ /s	Atmospheric Temperature :	34.00 °C
Moisture Content :	5.95	%		

PARAMETER*	TEST METHOD	TIME	RESULT ^{/4}		STD ^{/1}	UNIT
			19.10 % O ₂	7 % O ₂		
Oxides of Nitrogen	Chemical Absorption,	10:00-10:05	6.4	49.4	376, 339 ^{/3}	mg/m ³
(NO _x as NO ₂)	Colorimetric		3.4	26.3	200, 180 ^{/3}	ppm
			0.684	-	3.36 ^{/2}	kg/rai/day

REMARK:

^{/1} NOTIFICATION OF THE MINISTRY OF INDUSTRY B.E. 2549 (2006)^{/2} 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.^{/3} STANDARD OF EIA REPORT^{/4} 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)

08/06/2023



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By

(MR. THONGCHAI BOONSAK)

(ว-003-ค-5618)

08/06/2023

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

Request No. LA66-0547

Report No. 6606-0178

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 : 22/05/2023 SAMPLE NO. : 02963
RECEIVED DATE : 24/05/2023 SAMPLING TIME : 09:40-10:20
TESTED DATE : 24-30/05/2023 REPORTED DATE : 08/06/2023

STACK DESCRIPTION

Height :	26.32	m	Type of Process :	Combustion
Diameter :	1.85	m	Type of Fuel :	Natural Gas
Temperature :	81.00	°C	Oxygen Content :	19.10 %
Air Velocity :	10.87	m/s	Barometric Pressure :	757.75 mm.Hg
Flow rate ⁴ :	23.07	m ³ /s	Atmospheric Temperature :	34.00 °C
Moisture Content :	5.95	%		

PARAMETER*	TEST METHOD	TIME	RESULT ⁴		STD ¹	UNIT
			19.10 % O ₂	7 % O ₂		
Particulate	Isokinetic, Gravimetric	09:40-10:20	3.7	28.6	240, 150 ³	mg/m ³
(TSP)			0.395	-	2.72 ²	kg/rai/day

REMARK:¹ NOTIFICATION OF THE MINISTRY OF INDUSTRY B.E. 2549 (2006)² 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.

³ STANDARD OF EIA REPORT⁴ DRY BASIS (25°C, 760 mm.Hg)

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

Examined By



(MISS APIRADEE CHUEN-AROM)

(ว-003-ก-4377)

08/06/2023



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By



(MR. THONGCHAI BOONSAK)

(ว-003-ก-5618)

08/06/2023

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Request No. LA66-0547

Report No. 6606-0182

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 : 22/05/2023 SAMPLE NO. : 02967-02969
RECEIVED DATE : 24/05/2023 SAMPLING TIME : 09:40-10:20
TESTED DATE : 22-24/05/2023 REPORTED DATE : 08/06/2023

STACK DESCRIPTION

Height :	26.32	m	Type of Process :	Combustion
Diameter :	1.85	m	Type of Fuel :	Natural Gas
Temperature :	81.00	°C	Oxygen Content :	19.10 %
Air Velocity :	-	m/s	Barometric Pressure :	757.75 mm.Hg
Flow rate ^{1/} :	-	m ³ /s	Atmospheric Temperature :	34.00 °C
Moisture Content :	5.95	%		

PARAMETER*	TEST METHOD	TIME	RESULT ^{1/}	UNIT
Static pressure	Pilot tube Technique (U.S.EPA Method 2)	09:40-10:20	-0.165460526	mbar
Air Velocity	Pilot tube Technique (U.S.EPA Method 2)	09:40-10:20	10.87	m/s
Flow rate ^{1/}	Pilot tube Technique (U.S.EPA Method 2)	09:40-10:20	23.07	m ³ /s

REMARK:^{1/} DRY BASIS (25°C, 760 mm.Hg)

* PARAMETER OUTSIDE THE SCOPE OF THE REGISTRATION
OF THE MINISTRY OF INDUSTRY
SAMPLING BY MR. TEERAPONG NAULIN



Approved By.....

Thongchai Boonsak

(MR. THONGCHAI BOONSAK)

08/06/2023

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ผลการทดสอบคุณภาพอากาศในบรรยากาศ

Request No. ATR6605090

Report No. 6605-1472 - 6605-1478

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 : 31/05/2023 SAMPLE NO. : A66051472 - A66051478
 TESTED DATE : 31/05/2023-13/06/2023 REPORTED DATE : 14/06/2023

PARAMETER*	TEST METHOD	SAMPLING DATE	RESULT	STD ^{/1}	UNIT
Particulate matter less than or Equal					
10 micrometers (PM 10)	Gravimetric Method	18-19/05/2023	0.021	0.12	mg/m ³
		19-20/05/2023	0.038	0.12	mg/m ³
		20-21/05/2023	0.025	0.12	mg/m ³
		21-22/05/2023	0.030	0.12	mg/m ³
		22-23/05/2023	0.026	0.12	mg/m ³
		23-24/05/2023	0.027	0.12	mg/m ³
		24-25/05/2023	0.021	0.12	mg/m ³

REMARK:

^{/1} 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 Klinsopon)

14/06/2023

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

Request No. ATR6605090

Report No. 6605-1479 - 6605-1485

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 : บ้านมโนรม
 RECEIVED DATE : 31/05/2023 SAMPLE NO. : A66051479 - A66051485
 TESTED DATE : 31/05/2023-13/06/2023 REPORTED DATE : 14/06/2023

PARAMETER*	TEST METHOD	SAMPLING DATE	RESULT	STD ^{/1}	UNIT
Particulate matter less than or Equal					
10 micrometers (PM 10)	Gravimetric Method	18-19/05/2023	0.036	0.12	mg/m ³
		19-20/05/2023	0.042	0.12	mg/m ³
		20-21/05/2023	0.038	0.12	mg/m ³
		21-22/05/2023	0.047	0.12	mg/m ³
		22-23/05/2023	0.045	0.12	mg/m ³
		23-24/05/2023	0.044	0.12	mg/m ³
		24-25/05/2023	0.047	0.12	mg/m ³

REMARK:

^{/1} 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 Klinsohon)

14/06/2023

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

Request No. LA66-R05112

Report No. R6605-3964 - R6605-3970

TEST REPORT

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

SAMPLE NO. : 11151-11157
SAMPLING DATE : 18-25/05/2023
RECEIVED DATE : 25/05/2023
REPORTED DATE : 05/06/2023

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

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

บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By

(MS. THANATPORN KLINSOPON)

05/06/2023

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Request No. LA66-R05112

Report No. R6605-3964 - R6605-3970

TEST REPORT

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

SAMPLE NO. : 11151-11157
 SAMPLING DATE : 18-25/05/2023
 RECEIVED DATE : 25/05/2023
 REPORTED DATE : 05/06/2023

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

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

บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By

(MS. THANATPORN KLINSOPON)

05/06/2023

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Request No. LA66-R05112

Report No. R6605-3964 - R6605-3970

TEST REPORT

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

SAMPLE NO. : 11151-11157
SAMPLING DATE : 18-25/05/2023
RECEIVED DATE : 25/05/2023
REPORTED DATE : 05/06/2023

TIME / DATE	24-25/05/2023	UNIT
10:00 - 11:00 ^{/2}	0.016	ppm
11:00 - 12:00	0.015	ppm
12:00 - 13:00	0.009	ppm
13:00 - 14:00	0.007	ppm
14:00 - 15:00	0.006	ppm
15:00 - 16:00	0.006	ppm
16:00 - 17:00	0.007	ppm
17:00 - 18:00	0.007	ppm
18:00 - 19:00	0.007	ppm
19:00 - 20:00	0.007	ppm
20:00 - 21:00	0.009	ppm
21:00 - 22:00	0.011	ppm
22:00 - 23:00	0.015	ppm
23:00 - 00:00	0.011	ppm
00:00 - 01:00	0.016	ppm
01:00 - 02:00	0.017	ppm
02:00 - 03:00	0.014	ppm
03:00 - 04:00	0.011	ppm
04:00 - 05:00	0.009	ppm
05:00 - 06:00	0.008	ppm
06:00 - 07:00	0.008	ppm
07:00 - 08:00	0.008	ppm
08:00 - 09:00	0.007	ppm
09:00 - 10:00	0.010	ppm
Maximum 1 hr.	0.017	ppm
Average 24 hr.	0.010	ppm
Standard (1 hr.) ^{/1}	0.17	ppm

REMARK : ^{/1} Notification of The National Environmental Board Volume 33 B.E. 2552 (2009)^{/2} Start Time* Parameter Outside The Scope of The Registration of The Department of Industrial Works
(Measurement By Mr. Tummarut Phrasakham)

บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By

(MS. THANATPORN KLINSOPON)

05/06/2023

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Request No. LA66-R05112

Report No. R6605-3971 - R6605-3977

TEST REPORT

CUSTOMER : Meyer Aluminium (Thailand) Co., Ltd.
 ADDRESS : 38/32 Moo 5 Laem Chabang Industrial Estate, Sriracha, Chonburi 20230
 SAMPLE SOURCE : Meyer Aluminium (Thailand) Co., Ltd.
 SAMPLE POINT : บ้านมโนรม
 PARAMETER* : Nitrogen Dioxide
 DETERMINATION METHOD : Chemiluminescence
 INSTRUMENT : API Model T200 S/N 2005

SAMPLE NO. : 11158-11164
 SAMPLING DATE : 18-25/05/2023
 RECEIVED DATE : 25/05/2023
 REPORTED DATE : 05/06/2023

TIME / DATE	18-19/05/2023	19-20/05/2023	20-21/05/2023	UNIT
11:00 - 12:00 ²	0.021	0.007	0.017	ppm
12:00 - 13:00	0.013	0.010	0.014	ppm
13:00 - 14:00	0.010	0.009	0.015	ppm
14:00 - 15:00	0.008	0.008	0.015	ppm
15:00 - 16:00	0.009	0.009	0.013	ppm
16:00 - 17:00	0.014	0.009	0.018	ppm
17:00 - 18:00	0.020	0.017	0.022	ppm
18:00 - 19:00	0.020	0.022	0.023	ppm
19:00 - 20:00	0.016	0.030	0.027	ppm
20:00 - 21:00	0.010	0.025	0.027	ppm
21:00 - 22:00	0.009	0.022	0.024	ppm
22:00 - 23:00	0.007	0.016	0.018	ppm
23:00 - 00:00	0.007	0.012	0.015	ppm
00:00 - 01:00	0.006	0.012	0.012	ppm
01:00 - 02:00	0.006	0.011	0.011	ppm
02:00 - 03:00	0.006	0.009	0.011	ppm
03:00 - 04:00	0.009	0.011	0.011	ppm
04:00 - 05:00	0.010	0.014	0.010	ppm
05:00 - 06:00	0.009	0.014	0.010	ppm
06:00 - 07:00	0.011	0.017	0.010	ppm
07:00 - 08:00	0.014	0.023	0.010	ppm
08:00 - 09:00	0.013	0.021	0.014	ppm
09:00 - 10:00	0.014	0.022	0.013	ppm
10:00 - 11:00	0.011	0.019	0.014	ppm
Maximum 1 hr.	0.021	0.030	0.027	ppm
Average 24 hr.	0.011	0.015	0.016	ppm
Standard (1 hr.) ¹	0.17	0.17	0.17	ppm

REMARK : ¹ Notification of The National Environmental Board Volume 33 B.E. 2552 (2009)² Start Time* Parameter Outside The Scope of The Registration of The Department of Industrial Works
(Measurement By Mr. Tummarat Phatunkhem)

บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By.....

(MS. THANATPORN KLINSOPON)

05/06/2023

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Request No. LA66-R05112

Report No. R6605-3971 - R6605-3977

TEST REPORT

CUSTOMER : Meyer Aluminium (Thailand) Co., Ltd.
ADDRESS : 38/32 Moo 5 Laem Chabang Industrial Estate, Sriracha, Chonburi 20230
SAMPLE SOURCE : Meyer Aluminium (Thailand) Co., Ltd.
SAMPLE POINT : บ้านมโนรม
PARAMETER* : Nitrogen Dioxide
DETERMINATION METHOD : Chemiluminescence
INSTRUMENT : API Model T200 S/N 2005

SAMPLE NO. : 11158-11164
SAMPLING DATE : 18-25/05/2023
RECEIVED DATE : 25/05/2023
REPORTED DATE : 05/06/2023

TIME / DATE	21-22/05/2023	22-23/05/2023	23-24/05/2023	UNIT
11:00 - 12:00 ²	0.036	0.026	0.020	ppm
12:00 - 13:00	0.016	0.024	0.030	ppm
13:00 - 14:00	0.018	0.016	0.016	ppm
14:00 - 15:00	0.017	0.013	0.013	ppm
15:00 - 16:00	0.014	0.011	0.015	ppm
16:00 - 17:00	0.011	0.012	0.017	ppm
17:00 - 18:00	0.010	0.018	0.018	ppm
18:00 - 19:00	0.014	0.023	0.023	ppm
19:00 - 20:00	0.015	0.023	0.020	ppm
20:00 - 21:00	0.012	0.019	0.016	ppm
21:00 - 22:00	0.011	0.014	0.017	ppm
22:00 - 23:00	0.010	0.012	0.021	ppm
23:00 - 00:00	0.010	0.011	0.013	ppm
00:00 - 01:00	0.010	0.010	0.010	ppm
01:00 - 02:00	0.009	0.010	0.012	ppm
02:00 - 03:00	0.010	0.009	0.014	ppm
03:00 - 04:00	0.009	0.010	0.014	ppm
04:00 - 05:00	0.009	0.012	0.017	ppm
05:00 - 06:00	0.010	0.013	0.020	ppm
06:00 - 07:00	0.013	0.013	0.020	ppm
07:00 - 08:00	0.018	0.014	0.022	ppm
08:00 - 09:00	0.025	0.018	0.026	ppm
09:00 - 10:00	0.022	0.016	0.027	ppm
10:00 - 11:00	0.022	0.017	0.022	ppm
Maximum 1 hr.	0.036	0.026	0.030	ppm
Average 24 hr.	0.015	0.015	0.018	ppm
Standard (1 hr.) ¹	0.17	0.17	0.17	ppm

REMARK : ¹ Notification of The National Environmental Board Volume 33 B.E. 2552 (2009)² Start Time* Parameter Outside The Scope of The Registration of The Department of Industrial Works
(Measurement By Mr. Tummarat Pongkham)

บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By.....

(MS. THANATPORN KLINSOPON)

05/06/2023

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

Request No. LA66-R05112

Report No. R6605-3971 - R6605-3977

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. : 11158-11164
 PARAMETER* : Nitrogen Dioxide SAMPLING DATE : 18-25/05/2023
 DETERMINATION METHOD : Chemiluminescence RECEIVED DATE : 25/05/2023
 INSTRUMENT : API Model T200 S/N 2005 REPORTED DATE : 05/06/2023

TIME / DATE	24-25/05/2023	UNIT
11:00 - 12:00 ^{/2}	0.016	ppm
12:00 - 13:00	0.014	ppm
13:00 - 14:00	0.013	ppm
14:00 - 15:00	0.013	ppm
15:00 - 16:00	0.016	ppm
16:00 - 17:00	0.014	ppm
17:00 - 18:00	0.015	ppm
18:00 - 19:00	0.017	ppm
19:00 - 20:00	0.014	ppm
20:00 - 21:00	0.015	ppm
21:00 - 22:00	0.016	ppm
22:00 - 23:00	0.016	ppm
23:00 - 00:00	0.016	ppm
00:00 - 01:00	0.014	ppm
01:00 - 02:00	0.014	ppm
02:00 - 03:00	0.014	ppm
03:00 - 04:00	0.017	ppm
04:00 - 05:00	0.013	ppm
05:00 - 06:00	0.011	ppm
06:00 - 07:00	0.010	ppm
07:00 - 08:00	0.015	ppm
08:00 - 09:00	0.014	ppm
09:00 - 10:00	0.012	ppm
10:00 - 11:00	0.023	ppm
Maximum 1 hr.	0.023	ppm
Average 24 hr.	0.015	ppm
Standard (1 hr.) ^{/1}	0.17	ppm

REMARK : ^{/1} Notification of The National Environmental Board Volume 33 B.E. 2552 (2009)^{/2} Start Time

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



Approved By

(MS. THANATPORN KLINSOPON)

05/06/2023

บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด
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Wind Speed & Wind Direction

Request No. LA66-R05112

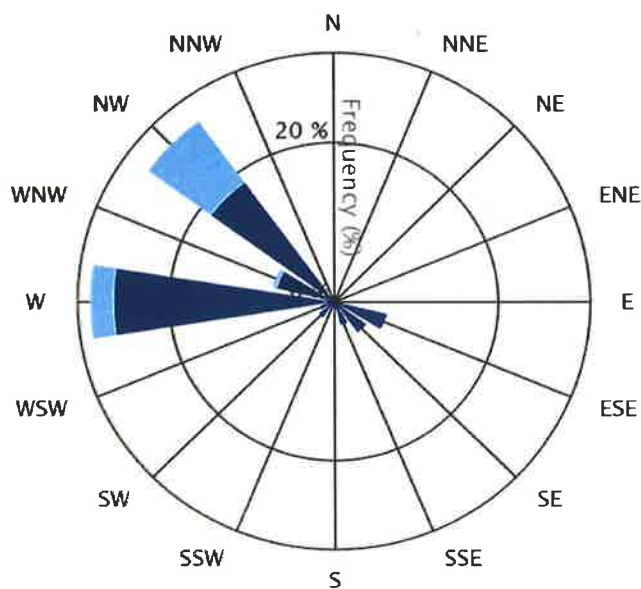
Meyer Aluminium (Thailand) Co., Ltd.

Sample No. 11165

Sampling Source : วัดบ้านนา

Sampling Date : May 18-25, 2023

Calm 13.7 %


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

WD/WS	Percentage of Occurrence of Wind Direct Grouped in Various Wind Speed						Total
	0.4-1.9 m/s	2.0-3.9 m/s	4.0-5.9 m/s	6.0-7.9 m/s	8.0-9.9 m/s	> 9.9 m/s	
N	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	6.6	0.0	0.0	0.0	0.0	0.0	6.6
SE	4.8	0.0	0.0	0.0	0.0	0.0	4.8
SSE	3.0	0.0	0.0	0.0	0.0	0.0	3.0
S	1.2	0.0	0.0	0.0	0.0	0.0	1.2
SSW	1.2	0.0	0.0	0.0	0.0	0.0	1.2
SW	2.4	0.0	0.0	0.0	0.0	0.0	2.4
WSW	1.8	0.0	0.0	0.0	0.0	0.0	1.8
W	26.8	3.0	0.0	0.0	0.0	0.0	29.8
WNW	7.1	0.6	0.0	0.0	0.0	0.0	7.7
NW	18.5	9.5	0.0	0.0	0.0	0.0	28.0
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Calm	13.7						

Wind Speed & Wind Direction

Request No. LA66-R05112

Meyer Aluminium (Thailand) Co., Ltd.

Sample No. 11165

Sampling Source : วัดบ้านนา

Sampling Date : May 18 - 25, 2023

Time	May 18-19, 2023		May 19-20, 2023		May 20-21, 2023		May 21-22, 2023		May 22-23, 2023		May 23-24, 2023		May 24-25, 2023	
	Wind Speed (m/s)	Wind Direction	Wind Speed (m/s)	Wind Direction	Wind Speed (m/s)	Wind Direction	Wind Speed (m/s)	Wind Direction	Wind Speed (m/s)	Wind Direction	Wind Speed (m/s)	Wind Direction	Wind Speed (m/s)	Wind Direction
10:00-11:00	1.8	NW	2.2	NW	1.8	NW	0.9	NW	1.3	NW	1.8	NW	0.9	W
11:00-12:00	1.8	NW	2.7	NW	1.8	NW	1.3	NW	1.8	NW	1.8	W	1.8	W
12:00-13:00	2.2	NW	2.7	NW	2.2	NW	1.8	NW	1.8	NW	2.2	W	1.8	W
13:00-14:00	2.7	NW	2.7	NW	2.2	NW	2.7	NW	1.8	WNW	2.2	W	1.8	W
14:00-15:00	2.7	NW	2.2	NW	2.2	NW	2.2	NW	1.8	W	1.3	W	1.3	W
15:00-16:00	2.2	NW	1.8	NW	1.8	NW	2.7	NW	1.8	W	1.8	W	0.9	W
16:00-17:00	1.8	NW	1.3	W	1.8	W	2.2	W	0.9	W	1.8	W	0.4	W
17:00-18:00	1.3	W	1.3	W	1.8	NW	1.3	W	0.9	W	1.8	W	0.4	W
18:00-19:00	1.8	W	1.3	W	1.3	W	0.9	W	0.9	W	1.3	W	0.4	S
19:00-20:00	1.3	W	1.8	W	0.9	W	0.9	W	1.3	W	2.7	WNW	0.4	SSW
20:00-21:00	1.3	W	0.9	W	0.4	W	0.9	W	0.9	W	2.2	W	0.4	WSW
21:00-22:00	0.4	SW	0.4	W	0.0	-	0.4	WSW	0.4	WNW	1.3	W	0.4	S
22:00-23:00	0.0	-	0.4	SW	0.0	-	0.4	W	0.4	WSW	0.9	NW	0.0	-
23:00-00:00	0.0	-	0.0	-	0.4	SSE	0.4	SSW	0.4	SW	1.3	ESE	0.4	SE
00:00-01:00	1.3	W	0.0	-	0.0	-	0.4	SW	0.0	-	0.9	ESE	0.0	-
01:00-02:00	2.2	W	0.0	-	0.4	SSE	0.0	-	0.0	-	0.4	SE	0.0	-
02:00-03:00	1.8	WNW	0.4	W	0.4	SE	0.0	-	0.0	-	0.9	SE	0.0	-
03:00-04:00	1.3	NW	0.9	NW	0.4	SSE	0.0	-	0.4	SE	0.9	ESE	1.8	WNW
04:00-05:00	1.8	NW	0.4	NW	0.4	SE	0.0	-	0.4	ESE	0.4	ESE	1.8	WNW
05:00-06:00	1.3	NW	0.0	-	0.4	SSE	1.8	WNW	0.0	-	0.9	ESE	1.8	WNW
06:00-07:00	1.3	NW	0.4	NW	0.4	SSE	1.3	WNW	0.4	ESE	0.4	SE	1.8	WNW
07:00-08:00	1.8	NW	0.4	NW	0.4	ESE	0.4	NW	0.4	SE	0.9	ESE	1.8	WNW
08:00-09:00	1.8	NW	0.4	NW	0.4	ESE	0.9	NW	0.0	-	0.4	ESE	1.8	WNW
09:00-10:00	2.7	NW	0.9	NW	0.9	NW	0.9	W	1.8	W	0.0	-	0.9	WNW

Wind Speed & Wind Direction

Request No. LA66-R05112

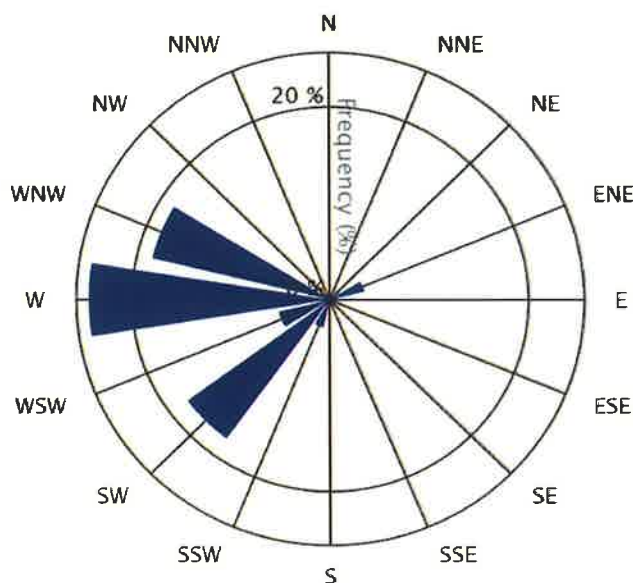
Meyer Aluminium (Thailand) Co., Ltd.

Sample No. 11166

Sampling Source : บ้านมโนรม

Sampling Date : May 18-25, 2023

Calm 23.8 %


■ 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	1.2	0.0	0.0	0.0	0.0	0.0	1.2
ENE	3.6	0.0	0.0	0.0	0.0	0.0	3.6
E	0.6	0.0	0.0	0.0	0.0	0.0	0.6
ESE	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSE	0.6	0.0	0.0	0.0	0.0	0.0	0.6
S	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSW	3.0	0.0	0.0	0.0	0.0	0.0	3.0
SW	17.9	0.0	0.0	0.0	0.0	0.0	17.9
WSW	5.4	0.0	0.0	0.0	0.0	0.0	5.4
W	24.4	0.0	0.0	0.0	0.0	0.0	24.4
WNW	18.5	0.0	0.0	0.0	0.0	0.0	18.5
NW	0.6	0.0	0.0	0.0	0.0	0.0	0.6
NNW	0.6	0.0	0.0	0.0	0.0	0.0	0.6
Calm	23.8						

Wind Speed & Wind Direction

Request No. LA66-R05112

Meyer Aluminium (Thailand) Co., Ltd.

Sample No. 11166

Sampling Source : บ้านโนนม

Sampling Date : May 18 - 25, 2023

Time	May 18-19, 2023		May 19-20, 2023		May 20-21, 2023		May 21-22, 2023		May 22-23, 2023		May 23-24, 2023		May 24-25, 2023	
	Wind Speed (m/s)	Wind Direction	Wind Speed (m/s)	Wind Direction	Wind Speed (m/s)	Wind Direction	Wind Speed (m/s)	Wind Direction	Wind Speed (m/s)	Wind Direction	Wind Speed (m/s)	Wind Direction	Wind Speed (m/s)	Wind Direction
11:00-12:00	0.9	W	1.3	WNW	1.3	W	0.9	E	0.4	W	0.9	W	1.3	WNW
12:00-13:00	1.3	WNW	1.8	WNW	1.3	WNW	0.9	WNW	0.4	WNW	1.3	WNW	0.9	W
13:00-14:00	1.8	WNW	1.8	W	0.9	WNW	0.9	W	0.9	W	1.3	W	0.9	WNW
14:00-15:00	1.8	W	1.8	WNW	1.3	WNW	0.9	WNW	0.9	W	1.3	SW	0.9	W
15:00-16:00	1.3	W	1.3	W	1.3	W	1.8	W	1.3	W	1.3	SW	0.9	WSW
16:00-17:00	1.3	W	0.9	W	0.9	WNW	1.8	W	0.9	WSW	1.3	W	0.9	SW
17:00-18:00	1.3	W	0.4	W	0.4	W	0.9	WSW	0.4	W	1.3	W	0.9	SW
18:00-19:00	1.3	SW	1.3	W	0.9	W	0.9	WSW	0.4	SW	0.9	WSW	1.3	SW
19:00-20:00	1.3	WSW	1.3	SW	0.9	WSW	1.3	SW	1.3	W	1.3	WNW	0.4	SW
20:00-21:00	1.3	WSW	0.9	SW	0.9	SW	1.3	SSW	1.3	SW	1.3	W	0.9	SW
21:00-22:00	0.4	SW	0.9	SW	0.4	SW	0.9	SW	1.3	SW	0.9	WNW	0.4	SSW
22:00-23:00	0.4	SW	0.4	SW	0.4	SW	0.9	SW	1.3	SW	0.4	W	0.4	SW
23:00-00:00	0.4	SW	0.0	-	0.4	SW	0.9	SW	0.9	SW	0.4	SSE	0.0	-
00:00-01:00	1.3	SW	0.0	-	0.0	-	0.4	SSW	0.4	SSW	0.0	-	0.0	-
01:00-02:00	0.9	W	0.0	-	0.0	-	0.4	SSW	0.0	-	0.0	-	0.0	-
02:00-03:00	0.4	NW	0.4	W	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-
03:00-04:00	0.9	WNW	0.4	W	0.0	-	0.0	-	0.0	-	0.0	-	0.4	WNW
04:00-05:00	0.4	NNW	0.4	ENE	0.0	-	0.0	-	0.0	-	0.0	-	0.9	WNW
05:00-06:00	0.4	W	0.4	NE	0.0	-	0.9	WNW	0.0	-	0.0	-	0.9	W
06:00-07:00	0.4	ENE	0.0	-	0.0	-	0.4	WNW	0.0	-	0.0	-	0.4	WNW
07:00-08:00	0.4	WSW	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-	0.4	WNW
08:00-09:00	0.9	WNW	0.4	NE	0.0	-	0.4	ENE	0.0	-	0.0	-	0.9	WNW
09:00-10:00	1.3	WNW	0.4	WNW	0.4	ENE	0.4	ENE	0.4	W	0.0	-	0.9	W
10:00-11:00	1.3	WNW	0.4	WNW	0.4	ENE	0.4	W	0.9	WNW	0.9	W	0.4	W

ผลการทดสอบคุณภาพน้ำทิ้ง

Test Report

Request No : W6601085

Report No : 6601-0794

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 66010402

Sample Name : บริเวณจุดปล่อยน้ำเสียของโครงการลงสู่บ่อพัก###

Sampling Date : 06/01/2023**

Sampling By : ETC**

Sampling Time : 11:05 AM**

Sampling Method : Grab**

Received Date : 07/01/2023

Tested Date : 07/01/2023 - 12/01/2023

Reported Date : 13/01/2023

Parameter	Unit	Method	Result	Standard ^{1/}
Biochemical Oxygen Demand #	mg/l	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	63.7	≤500
Chemical Oxygen Demand #	mg/l	Closed Reflux, Titrimetric Method (SM:5220C)	286	≤750
Oil and Grease @	mg/l	Partition-Gravimetric Method (SM:5520B)	4.8	≤10
pH (on site) *		Electrometric Method	8.2	5.5 - 9.0
Temperature *	°C	Laboratory and Field Method	29	≤45
Total Dissolved Solids #	mg/l	Dried at 180 C (SM:2540C)	544	≤3000
Total Suspended Solids #	mg/l	Dried at 103-105 C (SM:2540D)	27	≤200
Zinc @	mg/l	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.14	≤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 Miss Janthanee Saiphan (จ-003-ค-7281)*

5. ## บริเวณจุดปล่อยน้ำเสียของโครงการลงสู่บ่อพักรับน้ำเสียรวมของนิคมฯ

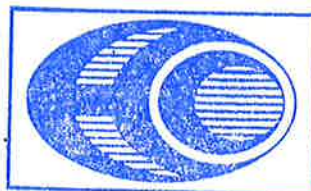
6. ** = These data are non laboratory data.

Examined By :

(Miss Apiradee Chuen-arom)

(จ-003-ค-4377)

13/01/2023



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Mr. Kawee Suthasub)

(จ-003-ค-2205)

13/01/2023

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

Test Report

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

Request No : W6601085

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

Report No : 6601- 0794

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

Sample No : W 66010402

Sample Name : บริเวณจุดปล่อยน้ำเสียของโครงการลงสู่บ่อพัก###

Sampling Date : 06/01/2023**

Sampling By : ETC**

Sampling Time : 11:05 AM**

Sampling Method : Grab**

Received Date : 07/01/2023

Tested Date : 07/01/2023 - 12/01/2023

Reported Date : 13/01/2023

Parameter	Unit	Method	Result	Standard ¹
Aluminium @	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. /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-ก-7281)*

6. ** = These data are non laboratory data. / ## บริเวณจุดปล่อยน้ำเสียของโครงการลงสู่บ่อพักรับน้ำเสี้ยวของนิคมฯ



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By :

(Mr. Kawee Suthasub)

13/01/2023

Request No. W6601085

Report No. 6601-0794

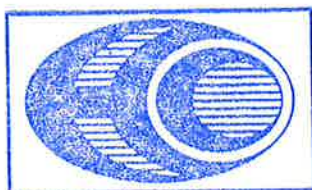
TEST REPORT

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. : W66010402
 Sample Name : บริเวณจุดปล่อยน้ำเสียของโครงการลงสู่บ่อพัก ## Sampling Date : 06/01/2023
 Sampling By : ETC Sampling Time : 11:05 AM
 Sampling Method : Grab Received Date : 07/01/2023
 Tested Date : 06/01/2023 Reported Date : 13/01/2023

Parameter	Unit	Method	Result	Standard ¹⁾
Flow Rate	m ³ / 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 Janthanee Saiphan (จ-003-ค-7281)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By.....



(Miss Apiradee Chuen-arom)

13 / 01 / 2023

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

Test Report

Request No : W6602127

Report No : 6602-1181

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 66020619
Sample Name : บริเวณจุดปล่อยน้ำเสียของโครงการลงสู่บ่อพัก###** Sampling Date : 03/02/2023**
Sampling By : ETC** Sampling Time : 9:50 AM**
Sampling Method : Grab** Received Date : 04/02/2023
Tested Date : 06/02/2023 - 16/02/2023 Reported Date : 21/02/2023

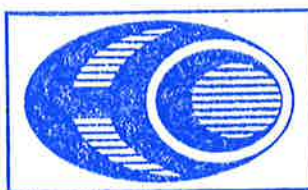
Parameter	Unit	Method	Result	Standard ¹
Biochemical Oxygen Demand #	mg/l	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	65.6	≤500
Chemical Oxygen Demand #	mg/l	Closed Reflux, Titrimetric Method (SM:5220C)	275	≤750
Oil and Grease @	mg/l	Partition-Gravimetric Method (SM:5520B)	5.9	≤10
pH (on site) *		Electrometric Method	7.0	5.5 - 9.0
Temperature *	°C	Laboratory and Field Method	28	≤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)	77	≤200
Zinc @	mg/l	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.33	≤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. Songpon Phiwan (ว-003-ก-7279)*
5. ## บริเวณจุดปล่อยน้ำเสียของโครงการลงสู่บ่อพักรับน้ำเสียรวมของนิคมฯ
6. ** = These data are non laboratory data.

Examined By :

(Miss Apiradee Chuen-arom)
(ว-003-ก-4377)
21/02/2023



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Mr. Kawee Suthasub)
(ว-003-ก-2205)
21/02/2023

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

Test Report

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

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

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

Sample Name : บริเวณจุดปล่อยน้ำเสียของโครงการลงสู่บ่อพัก##**

Sampling By : ETC**

Sampling Method : Grab**

Tested Date : 06/02/2023 - 16/02/2023

Request No : W6602127

Report No : 6602-1181

Sample No : W 66020619

Sampling Date : 03/02/2023**

Sampling Time : 9:50 AM**

Received Date : 04/02/2023

Reported Date : 21/02/2023

Parameter	Unit	Method	Result	Standard/ ¹
Aluminium @	mg/l	Digestion,Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.10	-
Settleable Solid *	ml/l	Volumetric Method (SM:2540F)	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)

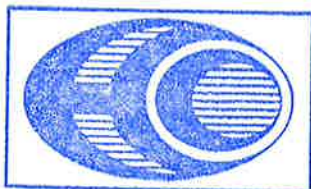
2. Parameter Outside The Scope of The Registration of Department of Industrial Works

3. @ = 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. Songpon Phiwuan (ว-003-ค-7279)*

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



Examined By :

(Mr. Kawee Suthasub)

21/02/2023

บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด
REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
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WITHOUT THE WRITTEN APPROVAL LABORATORY

Request No. W6602127

Report No. 6602-1181

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. : W66020619
Sample Name : บริเวณจุดปล่อยน้ำเสียของโครงการลงสู่บ่อพัก ## Sampling Date : 03/02/2023
Sampling By : ETC Sampling Time : 9:50 AM
Sampling Method : Grab Received Date : 04/02/2023
Tested Date : 03/02/2023 Reported Date : 21/02/2023

Parameter	Unit	Method	Result	Standard ¹⁾
Flow Rate	m ³ / 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. Songpon Phiwan (ว-003-ค-7279)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By.....


(Miss Apiradee Chuen-arom)

21 / 02 / 2023

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

Test Report

Request No : W6603460

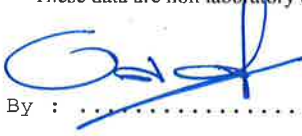
Report No : 6603-1892

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 66031842
Sample Name : บริเวณจุดปล่อยน้ำเสียของโครงการลงสู่บ่อพัก*** Sampling Date : 18/03/2023**
Sampling By : ETC** Sampling Time : 9:10 AM**
Sampling Method : Grab** Received Date : 20/03/2023
Tested Date : 20/03/2023 - 27/03/2023 Reported Date : 28/03/2023


Parameter	Unit	Method	Result	Standard ¹
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	88.1	≤500
Chemical Oxygen Demand #	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	255	≤750
Oil and Grease @	mg/L	Partition-Gravimetric Method (SM:5520B)	4.7	≤10
pH (on site) *		Electrometric Method	7.4	5.5 - 9.0
Temperature *	°C	Laboratory and Field Method	31	≤45
Total Dissolved Solids #	mg/L	Dried at 180 C (SM:2540C)	308	≤3000
Total Suspended Solids #	mg/L	Dried at 103-105 C (SM:2540D)	44	≤200
Zinc @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.10	≤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. Songpon Phiwan (จ-003-ก-7279)*
5. ## บริเวณจุดปล่อยน้ำเสียของโครงการลงสู่บ่อพักรับน้ำเสียรวมของนิคมฯ
6. ** = These data are non laboratory data

Examined By : 
(Miss Apiradee Chuen-arom)
(จ-003-ก-4377)
28/03/2023



Approved By : 
(Mr. Kawee Suthasub)
(จ-003-ก-2205)
28/03/2023

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

Test Report

Request No : W6603460

Report No : 6603- 1892

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 66031842

Sample Name : บริเวณจุดปล่อยน้ำเสียของโครงการลงสู่บ่อพัก###** Sampling Date : 18/03/2023**

Sampling By : ETC** Sampling Time : 9:10 AM**

Sampling Method : Grab** Received Date : 20/03/2023

Tested Date : 20/03/2023 - 27/03/2023 Reported Date : 28/03/2023

Parameter	Unit	Method	Result	Standard ¹
Aluminium @	mg/L	Digestion,Inductively Coupled Plasma Method (SM:3030F, 3120B)	<0.10	-
Settleable Solid *	ml/L	Volumetric Method (SM:2540F)	1	-

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 Mr. Songpon Phiwuan (ว-003-ค-7279)*

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



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By :

(Mr. Kawee Suthasub)

28/03/2023

Request No. W6603460

Report No. 6603-1892

TEST REPORT

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

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

Sampling Source : Meyer Aluminium (Thailand) Co.,Ltd. Sample No. : W 66031842

Sample Name : บริเวณจุดปล่อยน้ำเสียของโครงการ ## Sampling Date : 18/03/2023

Sampling By : ETC Sampling Time : 9:10 AM

Sampling Method : Grab Received Date : 20/03/2023

Tested Date : 18/03/2023 Reported Date : 28/03/2023

Parameter	Unit	Method	Result	Standard ^{/1}
Flow Rate	m ³ / 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. Songpon Phiwan (1-003-ค-7279)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By.....



(Miss Apiradee Chuen-arom)

28 / 03 / 2023

REPORTED TESTS REFER TO SUBMITTED SAMPLES ONLY

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WITHOUT THE WRITTEN APPROVAL LABORATORY

Test Report

Request No : W6604221

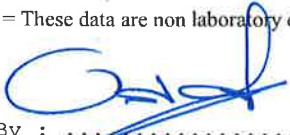
Report No : 6604-1501

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 66040872
Sample Name : บริเวณจุดปล่อยน้ำเสียของโครงการลงสู่บ่อพัก*** Sampling Date : 06/04/2023**
Sampling By : ETC** Sampling Time : 9:10 AM**
Sampling Method : Grab** Received Date : 07/04/2023
Tested Date : 07/04/2023 - 19/04/2023 Reported Date : 24/04/2023


Parameter	Unit	Method	Result	Standard ¹
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	66.0	≤500
Chemical Oxygen Demand #	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	223	≤750
Oil and Grease @	mg/L	Partition-Gravimetric Method (SM:5520B)	5.2	≤10
pH (on site) *		Electrometric Method	7.6	5.5 - 9.0
Temperature *	°C	Laboratory and Field Method	32	≤45
Total Dissolved Solids #	mg/L	Dried at 180 C (SM:2540C)	370	≤3000
Total Suspended Solids #	mg/L	Dried at 103-105 C (SM:2540D)	26	≤200
Zinc @	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.13	≤5

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

Remark : 1. /1 Notification of Industrial Estate Authority of Thailand 76 / 2560 (2017)
2. @ = ISO/IEC 17025:2017 Accredited by TISI., # = ISO/IEC 17025:2017 Accredited by DSS,
SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017.
3. Miss Apiradee Chuen-arom is Section Head / Mr. Kawee Suthasub is Technical Management.
4. * = Test Report/Sampling marked Not Accredited, Sampling By Miss Pornpinan Viriyakusolkul (ว-003-ท-8334)*
5. ## บริเวณจุดปล่อยน้ำเสียของโครงการลงสู่บ่อพักรับน้ำเสียรวมของนิคมฯ
6. ** = These data are non laboratory data.

Examined By : 
(Miss Apiradee Chuen-arom)
(ว-003-ท-4377)
24/04/2023



Approved By : 
(Mr. Kawee Suthasub)
(ว-003-ท-2205)
24/04/2023

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

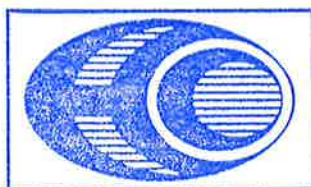
Test Report

Customer : Meyer Aluminium (Thailand) Co.,Ltd** Request No : W6604221
Address : 38/32 Moo.5 Laem Chabang Industrial Estate, Sriracha, Chonburi 20230** Report No : 6604- 1501
Sampling Source : Meyer Aluminium (Thailand) Co.,Ltd** Sample No : W 66040872
Sample Name : บริเวณจุดปล่อยน้ำเสียของโครงการลงสู่บ่อพัก###** Sampling Date : 06/04/2023**
Sampling By : ETC** Sampling Time : 9:10 AM**
Sampling Method : Grab** Received Date : 07/04/2023
Tested Date : 07/04/2023 - 19/04/2023 Reported Date : 24/04/2023

Parameter	Unit	Method	Result	Standard ¹
Aluminium @	mg/L	Digestion,Inductively Coupled Plasma Method (SM:3030F, 3120B)	< 0.10	-
Settleable Solid *	mL/L	Volumetric Method (SM:2540F)	1.8	-

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

Remark : 1. /1 Notification of Industrial Estate Authority of Thailand 76 / 2560 (2017)
2. 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 Pompinan Viriyakusolkul (ว-003-จ-8334)*
6. ** = These data are non laboratory data. / ## บริเวณจุดปล่อยน้ำเสียของโครงการลงสู่บ่อพักรับน้ำเสียรวมของนิคมฯ



Examined By :

(Mr. Kawee Suthasub)
24/04/2023

บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด
REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
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Request No. W6604221

Report No. 6604-1501

TEST REPORT

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

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

Sampling Source : Meyer Aluminium (Thailand) Co.,Ltd. Sample No. : W 66040872

Sample Name : บริเวณจุดปล่อยน้ำเสียของโครงการลงสู่บ่อพัก ## Sampling Date : 06/04/2023

Sampling By : ETC Sampling Time : 9:10 AM

Sampling Method : Grab Received Date : 07/04/2023

Tested Date : 06/04/2023 Reported Date : 24/04/2023

Parameter	Unit	Method	Result	Standard ^h
Flow Rate	m ³ / sec	Calculation	0.0142	—

Physical Apperance : 1. Sample : yellowish, lightly SS

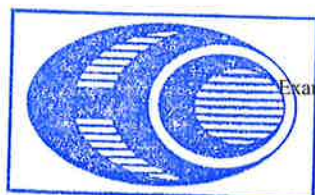
2. Container : Normal [PE 0.5 L [2 Bottle], PE 1.0 L, PE 1.8 L, G 1.0 L]

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

2. ## 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)

24 / 04 / 2023

REPORTED TESTS REFER TO SUBMITTED SAMPLES ONLY

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WITHOUT THE WRITTEN APPROVAL LABORATORY

Test Report

Request No : W6605204

Report No : 6605-1619

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 66050793

Sample Name : บริเวณจุดปล่อยน้ำเสียของโครงการลงสู่บ่อพัก###

Sampling Date : 09/05/2023**

Sampling By : ETC**

Sampling Time : 8:55 AM**

Sampling Method : Grab**

Received Date : 10/05/2023

Tested Date : 10/05/2023 - 22/05/2023

Reported Date : 22/05/2023

Parameter	Unit	Method	Result	Standard ¹
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	53.2	≤500
Chemical Oxygen Demand #	mg/L	Closed Reflux,Titrimetric Method (SM:5220C)	202	≤750
Oil and Grease *	mg/L	Partition-Gravimetric Method (SM:5520B)	5.7	≤10
pH (on site) *		Electrometric Method	7.4	5.5 - 9.0
Temperature *	°C	Laboratory and Field Method	32	≤45
Total Dissolved Solids #	mg/L	Dried at 180 C (SM:2540C)	358	≤3000
Total Suspended Solids #	mg/L	Dried at 103-105 C (SM:2540D)	32	≤200
Zinc *	mg/L	Digestion,Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.12	≤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 DSS, SM = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017.

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

4. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Songpon Phiwuan (๖-003-๓-7279)*

5. ## บริเวณจุดปล่อยน้ำเสียของโครงการลงสู่บ่อพักรับน้ำเสีรวมของนิคมฯ

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

Examined By :

(Miss Apiradee Chuen-arom)
(๖-003-๓-4377)
22/05/2023



บริษัท อีสเทิร์นไทยคอนซัลติง 1992 จำกัด

Approved By :

(Mr. Kawee Suthasub)
(๖-003-๓-2205)
22/05/2023

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

Test Report

Request No : W6605204

Report No : 6605-1619

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 66050793

Sample Name : บริเวณจุดปล่อยน้ำเสียของโครงการลงสู่บ่อพัก##

Sampling Date : 09/05/2023

Sampling By : ETC

Sampling Time : 8:55 AM

Sampling Method : Grab

Received Date : 10/05/2023

Tested Date : 10/05/2023 - 22/05/2023

Reported Date : 22/05/2023

Parameter	Unit	Method	Result	Standard ¹
Aluminium	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.61	-
Settleable Solid	mL/L	Volumetric Method (SM:2540F)	2.5	-

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

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

4. Sampling By Mr. Songpon Phiwan (ว-003-ค-7279)

5. ## บริเวณจุดปล่อยน้ำเสียของโครงการลงสู่บ่อพักรับน้ำเสีรวมของนิคมฯ



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By : 

(Miss Apiradee Chuen-arom)

22/05/2023

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

Request No. W6605204

Report No. 6605-1619

TEST REPORT

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

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

Sampling Source : Meyer Aluminium (Thailand) Co.,Ltd. Sample No. : W 66050793

Sample Name : บริเวณจุดปล่อยน้ำเสียของโครงการลงสู่บ่อพัก ## Sampling Date : 09/05/2023

Sampling By : ETC Sampling Time : 8:55 AM

Sampling Method : Grab Received Date : 10/05/2023

Tested Date : 09/05/2023 Reported Date : 22/05/2023

Parameter	Unit	Method	Result	Standard ⁷¹
Flow Rate	m ³ / 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. Songpon Phiwuan (ว-003-ค-7279)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By.....

(Miss Apiradee Chuen-arom)

22 / 05 / 2023

REPORTED TESTS REFER TO SUBMITTED SAMPLES ONLY

THIS REPORT SHALL NOT REPRODUCED EXCEPT IN FULL

WITHOUT THE WRITTEN APPROVAL LABORATORY

Test Report

Request No : W6606277

Report No : 6606-1528

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 66061153

Sample Name : บริเวณจุดปล่อยน้ำเสียของโครงการลงสู่บ่อพัก###

Sampling Date : 09/06/2023**

Sampling By : ETC**

Sampling Time : 9:38 AM**

Sampling Method : Grab**

Received Date : 10/06/2023

Tested Date : 12/06/2023 - 19/06/2023

Reported Date : 21/06/2023

Parameter	Unit	Method	Result	Standard ¹
Biochemical Oxygen Demand #	mg/L	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	64.4	≤500
Chemical Oxygen Demand #	mg/L	Closed Reflux, Titrimetric Method (SM:5220C)	218	≤750
Oil and Grease *	mg/L	Partition-Gravimetric Method (SM:5520B)	5.6	≤10
pH (on site) *		Electrometric Method	7.1	5.5 - 9.0
Temperature *	°C	Laboratory and Field Method	32	≤45
Total Dissolved Solids #	mg/L	Dried at 180 C (SM:2540C)	448	≤3000
Total Suspended Solids #	mg/L	Dried at 103-105 C (SM:2540D)	28	≤200
Zinc *	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.09	≤5

Physical Appearance : 1. Sample : yellow, lightly SS

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

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

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

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

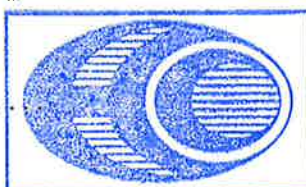
4. * = Test Report/Sampling marked Not Accredited, Sampling By Miss Pornpinan Viriyakusolkul (จ-003-จ-8334)*

5. ## บริเวณจุดปล่อยน้ำเสียของโครงการลงสู่บ่อพักรับน้ำเสียรวมของนิคมฯ

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

Examined By :

(Miss Apiradee Chuen-arom)
(จ-003-จ-4377)
21/06/2023



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Miss Nunnaphat Bakhontod)
(จ-003-จ-4367)
21/06/2023

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

Test Report

Request No : W6606277

Report No : 6606-1528

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 66061153

Sample Name : บริเวณจุดปล่อยน้ำเสียของโครงการลงสู่บ่อพัก##

Sampling Date : 09/06/2023

Sampling By : ETC

Sampling Time : 9:38 AM

Sampling Method : Grab

Received Date : 10/06/2023

Tested Date : 12/06/2023 - 19/06/2023

Reported Date : 21/06/2023

Parameter	Unit	Method	Result	Standard ¹
Aluminium	mg/L	Digestion, Inductively Coupled Plasma Method (SM:3030F, 3120B)	0.53	-
Settleable Solid	mL/L	Volumetric Method (SM:2540F)	0.4	-

Physical Apperance : 1. Sample : yellow, lightly SS

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

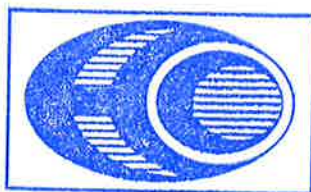
Remark : 1. /1 Notification of Industrial Estate Authority of Thailand 76 / 2560 (2017)

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


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

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

5. ## บริเวณจุดปล่อยน้ำเสียของโครงการลงสู่บ่อพักรับน้ำเสียรวมของนิคมฯ



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By : 

(Miss Apiradee Chuen-arom)

21/06/2023

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

Request No. W6606277

Report No. 6606-1528

TEST REPORT

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

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

Sampling Source : Meyer Aluminium (Thailand) Co.,Ltd. Sample No. : W 66061153

Sample Name : บริเวณจุดปล่อยน้ำเสียของโครงการลงสู่บ่อพัก ## Sampling Date : 09/06/2023

Sampling By : ETC Sampling Time : 9:38 AM

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

Tested Date : 09/06/2023 Reported Date : 21/06/2023

Parameter	Unit	Method	Result	Standard
Flow Rate	m ³ / 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)

21 / 06 / 2023

REPORTED TESTS REFER TO SUBMITTED SAMPLES ONLY

THIS REPORT SHALL NOT REPRODUCED EXCEPT IN FULL

WITHOUT THE WRITTEN APPROVAL LABORATORY

ผลการตรวจวัดระดับเสียงโดยทั่วไป

Request No. LA66-R0309

Report No. R6603-0148

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 : โรงพยาบาลวิกรม
PARAMETER* : L_{eq} 1 hr., L_{eq} 24 hr. & L_{dn}
DETERMINATION METHOD : ISO 1996-1:2016
INSTRUMENT : Integrated Sound Level Meter
S/N 01120953 : Class 1

SAMPLE NO. : 02071
MEASURING DATE : 01-02/03/2023
RECEIVED DATE : 02/03/2023
REPORTED DATE : 07/03/2023

TIME \ DATE	01-02/03/2023 (L_{eq})	UNIT
08:00 - 09:00 ¹³	61.3	dB(A)
09:00 - 10:00	61.5	dB(A)
10:00 - 11:00	62.3	dB(A)
11:00 - 12:00	61.4	dB(A)
12:00 - 13:00	62.8	dB(A)
13:00 - 14:00	60.1	dB(A)
14:00 - 15:00	60.7	dB(A)
15:00 - 16:00	60.8	dB(A)
16:00 - 17:00	62.2	dB(A)
17:00 - 18:00	61.9	dB(A)
18:00 - 19:00	62.3	dB(A)
19:00 - 20:00	61.4	dB(A)
20:00 - 21:00	59.2	dB(A)
21:00 - 22:00	58.2	dB(A)
22:00 - 23:00	57.2	dB(A)
23:00 - 00:00	56.8	dB(A)
00:00 - 01:00	57.2	dB(A)
01:00 - 02:00	55.9	dB(A)
02:00 - 03:00	55.3	dB(A)
03:00 - 04:00	55.5	dB(A)
04:00 - 05:00	56.1	dB(A)
05:00 - 06:00	57.0	dB(A)
06:00 - 07:00	60.0	dB(A)
07:00 - 08:00	62.1	dB(A)
L_{eq} 24 hr.	60.2	dB(A)
L_{dn}	64.4	dB(A)
Standard	70 ^{11, 12}	dB(A)

REMARK : ¹¹ Notification of Office of The National Environmental Board Volume 15 B.E. 2540 (1997)¹² Notification of Ministry of the Industry B.E. 2548 (2005)¹³ Start Time

* Parameter Outside The Scope of The Registration of The Department of Industrial Works
(Measurement By Ms. Winida Jampaton)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By

(MRS. WANPEN LHAOCHINDAWAT)

07/03/2023

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

Request No. LA66-R0309

Report No. R6603-0149

TEST REPORT

CUSTOMER : Meyer Aluminium (Thailand) Co., Ltd.
 ADDRESS : 38/32 Moo 5 Laem Chabang Industrial Estate, Sriracha, Chonburi 20230
 SAMPLE SOURCE : Meyer Aluminium (Thailand) Co., Ltd.
 SAMPLE POINT : บริเวณริมรั้วด้านทิศเหนือ
 PARAMETER* : L_{eq} 1 hr., L_{eq} 24 hr. & L_{dn} SAMPLE NO. : 02072
 DETERMINATION METHOD : ISO 1996-1:2016 MEASURING DATE : 01-02/03/2023
 INSTRUMENT : Integrated Sound Level Meter RECEIVED DATE : 02/03/2023
 S/N 01120949 : Class 1 REPORTED DATE : 07/03/2023

TIME \ DATE	01-02/03/2023 (L_{eq})	UNIT
08:25 - 09:25 ^{/3}	64.1	dB(A)
09:25 - 10:25	65.8	dB(A)
10:25 - 11:25	64.3	dB(A)
11:25 - 12:25	64.3	dB(A)
12:25 - 13:25	64.1	dB(A)
13:25 - 14:25	64.2	dB(A)
14:25 - 15:25	64.4	dB(A)
15:25 - 16:25	64.8	dB(A)
16:25 - 17:25	64.1	dB(A)
17:25 - 18:25	63.9	dB(A)
18:25 - 19:25	64.4	dB(A)
19:25 - 20:25	64.6	dB(A)
20:25 - 21:25	63.8	dB(A)
21:25 - 22:25	63.9	dB(A)
22:25 - 23:25	63.9	dB(A)
23:25 - 00:25	64.1	dB(A)
00:25 - 01:25	64.5	dB(A)
01:25 - 02:25	63.8	dB(A)
02:25 - 03:25	63.7	dB(A)
03:25 - 04:25	63.7	dB(A)
04:25 - 05:25	64.2	dB(A)
05:25 - 06:25	64.2	dB(A)
06:25 - 07:25	64.1	dB(A)
07:25 - 08:25	64.6	dB(A)
L_{eq} 24 hr.	64.3	dB(A)
L_{dn}	70.5	dB(A)
Standard	70 ^{/1,2}	dB(A)

REMARK : ^{/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)^{/3} Start Time

* Parameter Outside The Scope of The Registration of The Department of Industrial Works
 (Measurement By Ms. Winida Jampaton)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By


 (MRS. WANPEN LHAOCHINDAWAT)

07/03/2023

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

Request No. LA66-R0639

Report No. R6606-1523

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 00310458 : Class 2

SAMPLE NO. : 12727
MEASURING DATE : 07-08/06/2023
RECEIVED DATE : 08/06/2023
REPORTED DATE : 14/06/2023

TIME \ DATE	07-08/06/2023 (L_{eq})	UNIT
09:30 - 10:30 ^{/3}	61.9	dB(A)
10:30 - 11:30	61.7	dB(A)
11:30 - 12:30	61.7	dB(A)
12:30 - 13:30	62.5	dB(A)
13:30 - 14:30	62.8	dB(A)
14:30 - 15:30	62.3	dB(A)
15:30 - 16:30	62.2	dB(A)
16:30 - 17:30	62.8	dB(A)
17:30 - 18:30	62.1	dB(A)
18:30 - 19:30	62.8	dB(A)
19:30 - 20:30	63.3	dB(A)
20:30 - 21:30	62.4	dB(A)
21:30 - 22:30	62.6	dB(A)
22:30 - 23:30	62.4	dB(A)
23:30 - 00:30	62.5	dB(A)
00:30 - 01:30	63.1	dB(A)
01:30 - 02:30	62.6	dB(A)
02:30 - 03:30	62.9	dB(A)
03:30 - 04:30	62.4	dB(A)
04:30 - 05:30	62.5	dB(A)
05:30 - 06:30	62.8	dB(A)
06:30 - 07:30	62.9	dB(A)
07:30 - 08:30	64.1	dB(A)
08:30 - 09:30	63.3	dB(A)
L_{eq} 24 hr.	62.6	dB(A)
L_{dn}	69.1	dB(A)
Standard	70 ^{/1, /2}	dB(A)

REMARK : ^{/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)^{/3} Start Time

* Parameter Outside The Scope of The Registration of The Department of Industrial Works
(Measurement By Ms. Savita Kittinoosam)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By



(MRS. WANPEN LHAOCHINDAWAT)

14/06/2023

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

TEST REPORT

CUSTOMER : Meyer Aluminium (Thailand) Co., Ltd.
ADDRESS : 38/32 Moo 5 Laem Chabang Industrial Estate, Sriracha, Chonburi 20230
SAMPLE SOURCE : Meyer Aluminium (Thailand) Co., Ltd.
SAMPLE POINT : 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 01209912 : Class 2

SAMPLE NO. : 02073
MEASURING DATE : 01-02/03/2023
RECEIVED DATE : 02/03/2023
REPORTED DATE : 07/03/2023

TIME \ DATE	01-02/03/2023 (L_{eq})	UNIT
08:45 - 09:45 ^{1/3}	66.6	dB(A)
09:45 - 10:45	65.1	dB(A)
10:45 - 11:45	64.0	dB(A)
11:45 - 12:45	64.7	dB(A)
12:45 - 13:45	64.2	dB(A)
13:45 - 14:45	63.8	dB(A)
14:45 - 15:45	63.2	dB(A)
15:45 - 16:45	62.4	dB(A)
16:45 - 17:45	60.3	dB(A)
17:45 - 18:45	63.6	dB(A)
18:45 - 19:45	63.6	dB(A)
19:45 - 20:45	62.7	dB(A)
20:45 - 21:45	6.0	dB(A)
21:45 - 22:45	62.6	dB(A)
22:45 - 23:45	62.4	dB(A)
23:45 - 00:45	62.5	dB(A)
00:45 - 01:45	63.0	dB(A)
01:45 - 02:45	63.3	dB(A)
02:45 - 03:45	63.2	dB(A)
03:45 - 04:45	62.3	dB(A)
04:45 - 05:45	61.8	dB(A)
05:45 - 06:45	65.0	dB(A)
06:45 - 07:45	65.0	dB(A)
07:45 - 08:45	65.0	dB(A)
L_{eq} 24 hr.	63.5	dB(A)
$L_{dn\#}$	69.5	dB(A)
Standard	70 ^{1/1, 1/2}	dB(A)

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

^{1/1} Notification of Office of The National Environmental Board Volume 15 B.E. 2540 (1997)

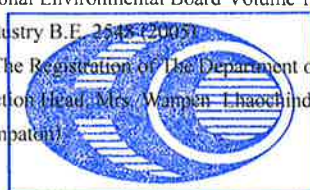
^{1/2} Notification of Ministry of the Industry B.E. 2545 (2002)

^{1/3} Start Time

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

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

(Measurement By Ms. Winida Jampatan)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By

(MRS. WANPEN LHAOCHINDAWAT)

07/03/2023

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

Request No. LA66-R0639

Report No. R6606-1524

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 01209915 : Class 2

SAMPLE NO. : 12728
MEASURING DATE : 07-08/06/2023
RECEIVED DATE : 08/06/2023
REPORTED DATE : 14/06/2023

TIME \ DATE	07-08/06/2023 (L_{eq})	UNIT
09:10 - 10:10 ^{/3}	65.7	dB(A)
10:10 - 11:10	65.3	dB(A)
11:10 - 12:10	65.2	dB(A)
12:10 - 13:10	65.4	dB(A)
13:10 - 14:10	65.6	dB(A)
14:10 - 15:10	66.2	dB(A)
15:10 - 16:10	65.3	dB(A)
16:10 - 17:10	65.4	dB(A)
17:10 - 18:10	65.2	dB(A)
18:10 - 19:10	66.1	dB(A)
19:10 - 20:10	65.6	dB(A)
20:10 - 21:10	65.5	dB(A)
21:10 - 22:10	65.8	dB(A)
22:10 - 23:10	64.5	dB(A)
23:10 - 00:10	62.3	dB(A)
00:10 - 01:10	64.5	dB(A)
01:10 - 02:10	64.2	dB(A)
02:10 - 03:10	63.7	dB(A)
03:10 - 04:10	64.0	dB(A)
04:10 - 05:10	64.8	dB(A)
05:10 - 06:10	65.0	dB(A)
06:10 - 07:10	65.6	dB(A)
07:10 - 08:10	65.1	dB(A)
08:10 - 09:10	65.2	dB(A)
L_{eq} 24 hr.	65.1	dB(A)
L_{dn}	71.0	dB(A)
Standard	70 ^{/1, /2}	dB(A)

REMARK : ^{/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)^{/3} Start Time

* Parameter Outside The Scope of The Registration of The Department of Industrial Works
(Measurement By Ms. Savita Kittinoavanit)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By.....

(MRS. WANPEN LHAOCHINDAWAT)

14/06/2023

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

Request No. LA66-R0309

Report No. R6603-0151

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 01120950 : Class 1

SAMPLE NO. : 02074
 MEASURING DATE : 01-02/03/2023
 RECEIVED DATE : 02/03/2023
 REPORTED DATE : 07/03/2023

TIME \ DATE	01-02/03/2023 (L_{eq})	UNIT
08:35 - 09:35 ^{1/3}	68.1	dB(A)
09:35 - 10:35	68.0	dB(A)
10:35 - 11:35	64.0	dB(A)
11:35 - 12:35	62.8	dB(A)
12:35 - 13:35	66.1	dB(A)
13:35 - 14:35	65.5	dB(A)
14:35 - 15:35	64.3	dB(A)
15:35 - 16:35	68.7	dB(A)
16:35 - 17:35	60.9	dB(A)
17:35 - 18:35	66.3	dB(A)
18:35 - 19:35	60.0	dB(A)
19:35 - 20:35	59.0	dB(A)
20:35 - 21:35	60.7	dB(A)
21:35 - 22:35	60.7	dB(A)
22:35 - 23:35	61.3	dB(A)
23:35 - 00:35	62.7	dB(A)
00:35 - 01:35	66.5	dB(A)
01:35 - 02:35	64.7	dB(A)
02:35 - 03:35	60.7	dB(A)
03:35 - 04:35	62.0	dB(A)
04:35 - 05:35	65.2	dB(A)
05:35 - 06:35	66.1	dB(A)
06:35 - 07:35	63.5	dB(A)
07:35 - 08:35	64.5	dB(A)
L_{eq} 24 hr.	64.7	dB(A)
L_{dn}	70.5	dB(A)
Standard	70 ^{1/1, 1/2}	dB(A)

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

* Parameter Outside The Scope of The Registration of The Department of Industrial Works
 (Measurement By Ms. Winida Jampaton)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By.....

(MRS. WANPEN LHAOCHINDAWAT)

07/03/2023

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

Request No. LA66-R0639

Report No. R6606-1525

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 01147298 : Class 2

SAMPLE NO. : 12729
 MEASURING DATE : 07-08/06/2023
 RECEIVED DATE : 08/06/2023
 REPORTED DATE : 14/06/2023

TIME \ DATE	07-08/06/2023 (L_{eq})	UNIT
09:20 - 10:20 ¹³	67.1	dB(A)
10:20 - 11:20	67.1	dB(A)
11:20 - 12:20	65.2	dB(A)
12:20 - 13:20	68.8	dB(A)
13:20 - 14:20	71.0	dB(A)
14:20 - 15:20	69.7	dB(A)
15:20 - 16:20	65.4	dB(A)
16:20 - 17:20	63.1	dB(A)
17:20 - 18:20	64.0	dB(A)
18:20 - 19:20	62.5	dB(A)
19:20 - 20:20	63.1	dB(A)
20:20 - 21:20	63.5	dB(A)
21:20 - 22:20	69.2	dB(A)
22:20 - 23:20	68.8	dB(A)
23:20 - 00:20	63.1	dB(A)
00:20 - 01:20	66.6	dB(A)
01:20 - 02:20	67.0	dB(A)
02:20 - 03:20	67.1	dB(A)
03:20 - 04:20	68.0	dB(A)
04:20 - 05:20	63.4	dB(A)
05:20 - 06:20	66.6	dB(A)
06:20 - 07:20	66.9	dB(A)
07:20 - 08:20	65.7	dB(A)
08:30 - 09:30	65.3	dB(A)
L_{eq} 24 hr.	66.8	dB(A)
L_{dn}	73.1	dB(A)
Standard	70 ^{11,12}	dB(A)

REMARK : ¹¹ Notification of Office of The National Environmental Board Volume 15 B.E. 2540 (1997)¹² Notification of Ministry of the Industry B.E. 2548 (2005)¹³ Start Time

* Parameter Outside The Scope of The Registration of The Department of Industrial Works
 (Measurement By Ms. Savita Kittinopayarak)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By

(MRS. WANPEN LHAOCHINDAWAT)

14/06/2023

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 : 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 01147300 : Class 2

SAMPLE NO. : 02075
MEASURING DATE : 01-02/03/2023
RECEIVED DATE : 02/03/2023
REPORTED DATE : 07/03/2023

TIME \ DATE	01-02/03/2023 (L_{eq})	UNIT
08:40 - 09:40 ^{/3}	57.2	dB(A)
09:40 - 10:40	58.8	dB(A)
10:40 - 11:40	55.4	dB(A)
11:40 - 12:40	54.9	dB(A)
12:40 - 13:40	55.9	dB(A)
13:40 - 14:40	60.1	dB(A)
14:40 - 15:40	59.2	dB(A)
15:40 - 16:40	56.4	dB(A)
16:40 - 17:40	57.8	dB(A)
17:40 - 18:40	55.3	dB(A)
18:40 - 19:40	64.7	dB(A)
19:40 - 20:40	60.7	dB(A)
20:40 - 21:40	55.0	dB(A)
21:40 - 22:40	51.5	dB(A)
22:40 - 23:40	52.3	dB(A)
23:40 - 00:40	54.3	dB(A)
00:40 - 01:40	53.4	dB(A)
01:40 - 02:40	52.4	dB(A)
02:40 - 03:40	53.2	dB(A)
03:40 - 04:40	55.1	dB(A)
04:40 - 05:40	55.3	dB(A)
05:40 - 06:40	57.0	dB(A)
06:40 - 07:40	61.2	dB(A)
07:40 - 08:40	63.7	dB(A)
L_{eq} 24 hr.	58.2	dB(A)
L_{dn}	61.9	dB(A)
Standard	70 ^{/1, /2}	dB(A)

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

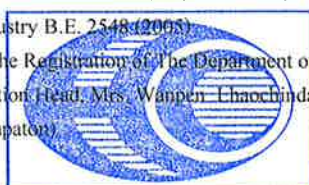
^{/1} Notification of Office of The National Environmental Board Volume 15 B.E. 2540 (1997)

^{/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 Klinsopon is Section Head, Mrs. Wanpen Lhaochindawat is Technical Management)

(Measurement By Ms. Winida Jampatorn)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By


(MRS. WANPEN LHAOCHINDAWAT)

07/03/2023

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

Request No. LA66-R0639

Report No. R6606-1526

TEST REPORT

CUSTOMER : Meyer Aluminium (Thailand) Co., Ltd.
 ADDRESS : 38/32 Moo 5 Laem Chabang Industrial Estate, Sriracha, Chonburi 20215
 SAMPLE SOURCE : Meyer Aluminium (Thailand) Co., Ltd.
 SAMPLE POINT : บริเวณริมรั้วด้านทิศตะวันตก
 PARAMETER* : L_{eq} 1 hr., L_{eq} 24 hr. & L_{dn}
 DETERMINATION METHOD : ISO 1996-1:2016
 INSTRUMENT : Integrated Sound Level Meter
 S/N 00209071 : Class 2

SAMPLE NO. : 12730
 MEASURING DATE : 07-08/06/2023
 RECEIVED DATE : 08/06/2023
 REPORTED DATE : 14/06/2023

TIME \ DATE	07-08/06/2023 (L_{eq})	UNIT
09:15 - 10:15 ^{/3}	56.5	dB(A)
10:15 - 11:15	56.1	dB(A)
11:15 - 12:15	57.2	dB(A)
12:15 - 13:15	55.9	dB(A)
13:15 - 14:15	59.7	dB(A)
14:15 - 15:15	59.9	dB(A)
15:15 - 16:15	61.1	dB(A)
16:15 - 17:15	61.4	dB(A)
17:15 - 18:15	57.4	dB(A)
18:15 - 19:15	54.4	dB(A)
19:15 - 20:15	54.7	dB(A)
20:15 - 21:15	54.3	dB(A)
21:15 - 22:15	54.8	dB(A)
22:15 - 23:15	54.4	dB(A)
23:15 - 00:15	53.9	dB(A)
00:15 - 01:15	53.9	dB(A)
01:15 - 02:15	53.8	dB(A)
02:15 - 03:15	53.7	dB(A)
03:15 - 04:15	53.9	dB(A)
04:15 - 05:15	54.4	dB(A)
05:15 - 06:15	53.9	dB(A)
06:15 - 07:15	54.2	dB(A)
07:15 - 08:15	55.1	dB(A)
08:15 - 09:15	56.1	dB(A)
L_{eq} 24 hr.	56.6	dB(A)
L_{dn}	61.2	dB(A)
Standard	70 ^{/1, /2}	dB(A)

REMARK : ^{/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)^{/3} Start Time* Parameter Outside The Scope of The Registration of The Department of Industrial Works
(Measurement By Ms. Savita Kittinowawat)

บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By

(MRS. WANPEN LHAOCHINDAWAT)

14/06/2023

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
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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 หมายเลข 2 (Caster & Furnace Machine No.2)
PARAMETER*** : L_{eq} 1 hr. & L_{eq} 8 hr. SAMPLE NO. : 02099
DETERMINATION METHOD : ISO 11202:2010 MEASURING DATE : 03/03/2023
INSTRUMENT : Integrated Sound Level Meter RECEIVED DATE : 03/03/2023
S/N 01209912 : Class 2 REPORTED DATE : 08/03/2023

MEASURING TIME	RESULT ¹	RESULT ²	UNIT
08:45-09:45	81.7	81.7	dB(A)
09:45-10:45	80.6	80.6	dB(A)
10:45-11:45	79.3	79.3	dB(A)
11:45-12:45	79.4	79.4	dB(A)
12:45-13:45	80.0	80.0	dB(A)
13:45-14:45	79.5	79.5	dB(A)
14:45-15:45	79.8	79.8	dB(A)
15:45-16:45	80.1	80.1	dB(A)
L_{eq} 8 hr. (TWA)	80*	80**	dB(A)
Standard	85 ¹	90 ²	dB(A)

REMARK : ¹ Notification of The Department of Labour Protection and Welfare B.E. 2561 (2018)

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

² Notification of The Ministry of Industry B.E. 2546 (2003)

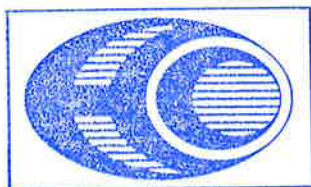
* Based on Criteria 85 dB(A); 3 dB Exchange Rate

** 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

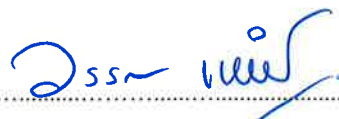
(Ms. Thanatporn Klinsoon is Section Head / Mrs. Wanpen Lhaochindawat is Technical Management)

(Measurement By Ms. Winida Jampaton)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By



(MRS. WANPEN LHAOCHINDAWAT)

08/03/2023

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

Request No. LA66-R0639

Report No. R6606-1516

TEST REPORT

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

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

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

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

PARAMETER*** : L_{eq} 1 hr. & L_{eq} 8 hr. SAMPLE NO. : 12720

DETERMINATION METHOD : ISO 11202:2010 MEASURING DATE : 07/06/2023

INSTRUMENT : Integrated Sound Level Meter RECEIVED DATE : 08/06/2023

S/N 01209916 : Class 2 REPORTED DATE : 14/06/2023

MEASURING TIME	RESULT ¹	RESULT ²	UNIT
10:01-11:01	80	80	dB(A)
11:01-12:01	78	78	dB(A)
12:01-13:01	74	74	dB(A)
13:01-14:01	77	77	dB(A)
14:01-15:01	77	77	dB(A)
15:01-16:01	75	75	dB(A)
16:01-17:01	75	75	dB(A)
17:01-18:01	73	73	dB(A)
L_{eq} 8 hr. (TWA)	76*	76**	dB(A)
Standard	85 ¹	90 ²	dB(A)

REMARK : ¹ Notification of The Department of Labour Protection and Welfare B.E. 2561 (2018)

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

² Notification of The Ministry of Industry B.E. 2546 (2003)

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

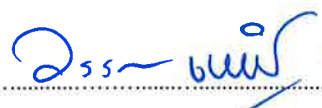
** Based on Criteria 90 dB(A); 5 dB Exchange Rate

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

(Measurement By Ms. Savita Kittinoavarat)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

 Approved By 
 (MRS. WANPEN LHAOCHINDAWAT)

14/06/2023

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. : 02070
DETERMINATION METHOD : ISO 11202:2010 MEASURING DATE : 01/03/2023
INSTRUMENT : Integrated Sound Level Meter RECEIVED DATE : 02/03/2023
S/N 01209916 : Class 2 REPORTED DATE : 07/03/2023

MEASURING TIME	RESULT ^{/1}	RESULT ^{/2}	UNIT
09:25-10:25	86.0	86.0	dB(A)
10:25-11:25	81.6	81.6	dB(A)
11:25-12:25	70.5	70.5	dB(A)
12:25-13:25	78.7	78.7	dB(A)
13:25-14:25	80.3	80.3	dB(A)
14:25-15:25	71.6	71.6	dB(A)
15:25-16:25	78.2	78.2	dB(A)
16:25-17:25	72.5	72.5	dB(A)
L_{eq} 8 hr. (TWA)	80*	79**	dB(A)
Standard	85 ^{/1}	90 ^{/2}	dB(A)

REMARK : ^{/1} Notification of The Department of Labour Protection and Welfare B.E. 2561 (2018)

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

^{/2} 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

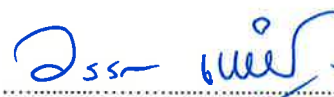
(Ms. Thanatporn Klinsoon is Section Head / Mrs. Wanpen Lhaochindawat is Technical Management)

(Measurement By Ms. Winida Jampaton)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By



(MRS. WANPEN LHAOCHINDAWAT)

07/03/2023

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Request No. LA66-R0639

Report No. R6606-1521

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. : 12725
 DETERMINATION METHOD : ISO 11202:2010 MEASURING DATE : 07/06/2023
 INSTRUMENT : Integrated Sound Level Meter RECEIVED DATE : 08/06/2023
 S/N 00322755 : Class 2 REPORTED DATE : 14/06/2023

MEASURING TIME	RESULT ¹	RESULT ²	UNIT
09:57-10:57	80	80	dB(A)
10:57-11:57	73	73	dB(A)
11:57-12:57	75	75	dB(A)
12:57-13:57	82	82	dB(A)
13:57-14:57	88	88	dB(A)
14:57-15:57	85	85	dB(A)
15:57-16:57	69	69	dB(A)
16:57-17:57	68	68	dB(A)
L_{eq} 8 hr. (TWA)	82*	80**	dB(A)
Standard	85 ¹	90 ²	dB(A)

REMARK : ¹ Notification of The Department of Labour Protection and Welfare B.E. 2561 (2018)

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

² Notification of The Ministry of Industry B.E. 2546 (2003)

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

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

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

(Measurement By Ms. Savita Kittinoavarat)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By

(MRS. WANPEN LHAOCHINDAWAT)

14/06/2023

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 : บริเวณด้านหลังเครื่องปั๊มหมายเลข 2 (X-Y Blanking Machine No. 2)
PARAMETER*** : L_{eq} 1 hr. & L_{eq} 8 hr. SAMPLE NO. : 02067
DETERMINATION METHOD : ISO 11202:2010 MEASURING DATE : 01/03/2023
INSTRUMENT : Integrated Sound Level Meter RECEIVED DATE : 02/03/2023
S/N 00310455 : Class 2 REPORTED DATE : 07/03/2023

MEASURING TIME	RESULT ^{/1}	RESULT ^{/2}	UNIT
09:05-10:05	81.2	81.2	dB(A)
10:05-11:05	84.1	84.1	dB(A)
11:05-12:05	84.7	84.7	dB(A)
12:05-13:05	84.6	84.6	dB(A)
13:05-14:05	83.9	83.9	dB(A)
14:05-15:05	80.3	80.3	dB(A)
15:05-16:05	81.5	81.5	dB(A)
16:05-17:05	82.9	82.9	dB(A)
L_{eq} 8 hr. (TWA)	83*	83**	dB(A)
Standard	85 ^{/1}	90 ^{/2}	dB(A)

REMARK : ^{/1} Notification of The Department of Labour Protection and Welfare B.E. 2561 (2018)

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

^{/2} Notification of The Ministry of Industry B.E. 2546 (2003)

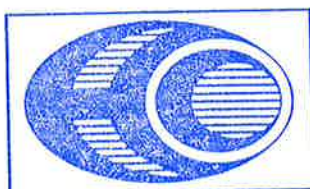
* Based on Criteria 85 dB(A); 3 dB Exchange Rate

** 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. Thanaporn Klinsohon is Section Head / Mrs. Wanpen Lhaochindawat is Technical Management)

(Measurement By Ms. Winida Jampaton)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By



(MRS. WANPEN LHAOCHINDAWAT)

07/03/2023

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

Request No. LA66-R0639

Report No. R6606-1518

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. : 12722

DETERMINATION METHOD : ISO 11202:2010 MEASURING DATE : 07/06/2023

INSTRUMENT : Integrated Sound Level Meter RECEIVED DATE : 08/06/2023

S/N 00322754 : Class 2 REPORTED DATE : 14/06/2023

MEASURING TIME	RESULT ¹	RESULT ²	UNIT
09:48-10:48	83	83	dB(A)
10:48-11:48	81	81	dB(A)
11:48-12:48	82	82	dB(A)
12:48-13:48	83	83	dB(A)
13:48-14:48	82	82	dB(A)
14:48-15:48	82	82	dB(A)
15:48-16:48	82	82	dB(A)
16:48-17:48	83	83	dB(A)
L_{eq} 8 hr. (TWA)	82*	82**	dB(A)
Standard	85 ¹	90 ²	dB(A)

REMARK : ¹ Notification of The Department of Labour Protection and Welfare B.E. 2561 (2018)

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

² Notification of The Ministry of Industry B.E. 2546 (2003)

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

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

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

(Measurement By Ms. Savita Kittinoavarat)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By

(MRS. WANPEN LHAOCHINDAWAT)

14/06/2023

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY

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TEST REPORT

CUSTOMER : Meyer Aluminium (Thailand) Co., Ltd.
ADDRESS : 38/32 Moo 5 Laem Chabang Industrial Estate, Sriracha, Chonburi 20230
SAMPLE SOURCE : Meyer Aluminium (Thailand) Co., Ltd.
SAMPLE POINT : บริเวณเครื่องอบ หมายเลข 2 (Flash Annealing Machine No. 2)
PARAMETER*** : L_{eq} 1 hr. & L_{eq} 8 hr. SAMPLE NO. : 02066
DETERMINATION METHOD : ISO 11202:2010 MEASURING DATE : 01/03/2023
INSTRUMENT : Integrated Sound Level Meter RECEIVED DATE : 02/03/2023
S/N 00209071 : Class 2 REPORTED DATE : 07/03/2023

MEASURING TIME	RESULT ^{/1}	RESULT ^{/2}	UNIT
09:00-10:00	83.5	83.5	dB(A)
10:00-11:00	82.6	82.6	dB(A)
11:00-12:00	81.4	81.4	dB(A)
12:00-13:00	84.3	84.3	dB(A)
13:00-14:00	84.0	84.0	dB(A)
14:00-15:00	83.1	83.1	dB(A)
15:00-16:00	81.2	81.2	dB(A)
16:00-17:00	83.4	83.4	dB(A)
L_{eq} 8 hr. (TWA)	83*	83**	dB(A)
Standard	85 ^{/1}	90 ^{/2}	dB(A)

REMARK : ^{/1} Notification of The Department of Labour Protection and Welfare B.E. 2561 (2018)
(Published in the Government Gazette on January 26, 2018)
^{/2} 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)

07/03/2023

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
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Request No. LA66-R0639

Report No. R6606-1520

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. : 12724

DETERMINATION METHOD : ISO 11202:2010 MEASURING DATE : 07/06/2023

INSTRUMENT : Integrated Sound Level Meter RECEIVED DATE : 08/06/2023

S/N 00443357 : Class 2 REPORTED DATE : 14/06/2023

MEASURING TIME	RESULT ¹	RESULT ²	UNIT
09:35-10:35	85	85	dB(A)
10:35-11:35	83	83	dB(A)
11:35-12:35	85	85	dB(A)
12:35-13:35	86	86	dB(A)
13:35-14:35	85	85	dB(A)
14:35-15:35	86	86	dB(A)
15:35-16:35	85	85	dB(A)
16:35-17:35	84	84	dB(A)
L_{eq} 8 hr. (TWA)	84*	84**	dB(A)
Standard	85 ¹	90 ²	dB(A)

REMARK : ¹ Notification of The Department of Labour Protection and Welfare B.E. 2561 (2018)

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

² Notification of The Ministry of Industry B.E. 2546 (2003)

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

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

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

(Measurement By Ms. Savita Kittinoavarat)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By

(MRS. WANPEN LHAOCHINDAWAT)

14/06/2023

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ผลการตรวจวัดระดับความร้อนในบริเวณการทำงาน

Request No. LA66-R0116

Report No. R6601-0526 - R6601-0527

TEST REPORT

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

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

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

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

MEASURING DATE : 20/01/2023 SAMPLE NO. : 00533-00534

SAMPLING INSTRUMENT : Heat Stress ; RECEIVED DATE : 20/01/2023
Wet Bulb Globe Temperature (WBGT) ; REPORTED DATE : 24/01/2023
Serial No. TPQ030024, TPL060039

PARAMETER*	SAMPLING TIME	RESULT				
		NWB	GT	DB	WBGT	UNIT
Heat Stress						
บริเวณเตาหลอมและเตาพัก #2	11:10-11:40	23.7	37.5	33.0	27.8	°C
(ตรวจวัดบริเวณที่ห่างจากด้านหน้าเตา	11:40-12:10	24.1	37.6	33.2	28.2	°C
1 เมตร) Furnace Section #2	12:10-12:40	24.4	38.3	33.7	28.6	°C
	12:40-13:10	24.2	38.7	34.2	28.6	°C
WBGT AVERAGE	11:10-13:10	-	-	-	28.3	°C
Heat Stress	11:10-11:40	21.6	32.2	30.8	24.8	°C
บริเวณเครื่องหล่ออย่างต่อเนื่อง #2	11:40-12:10	21.9	32.3	31.1	25.0	°C
Continuous Caster #2	12:10-12:40	22.0	32.8	31.1	25.2	°C
	12:40-13:10	22.1	33.2	31.3	25.4	°C
WBGT AVERAGE	11:10-13:10	-	-	-	25.1	°C
WBGT (TWA)	11:10-13:10	-	-	-	26.7	°C
STANDARD		-	-	-	32.0 ^{1/2}	°C

REMARK:

Work Load is Moderate, Indoor

¹ Regulation of The Ministry of Labour B.E. 2559 (2016)² 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)

24/01/2023

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY

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Request No. LA66-R0116

Report No. R6601-0526

TEST REPORT

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

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

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

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

MEASURING DATE : 20/01/2023 SAMPLE NO. : 00533

SAMPLING INSTRUMENT : Heat Stress ; RECEIVED DATE : 20/01/2023

Wet Bulb Globe Temperature (WBGT) ; REPORTED DATE : 24/01/2023

Serial No. TPQ030024

PARAMETER*	SAMPLING TIME	RESULT				
		NWB	GT	DB	WBGT	UNIT
Heat Stress	11:10-11:40	23.7	37.5	33.0	27.8	°C
	11:40-12:10	24.1	37.6	33.2	28.2	°C
	12:10-12:40	24.4	38.3	33.7	28.6	°C
	12:40-13:10	24.2	38.7	34.2	28.6	°C
WBGT AVERAGE	11:10-13:10	-	-	-	28.3	°C
STANDARD		-	-	-	32.0 ^{1/2}	°C

REMARK:

Work Load is Moderate, Indoor

^{1/1} Regulation of The Ministry of Labour B.E. 2559 (2016)^{1/2} 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

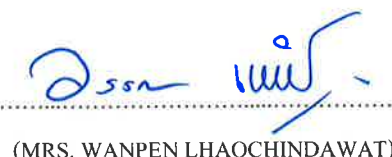
* Parameter have License Registration of Department of Labour Protection and Welfare No. 0401-03-2564-0009

(Measurement By Mr. Wattana Khotla)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By...


 (MRS. WANPEN LHAOCHINDAWAT)

24/01/2023

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY

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WITHOUT THE WRITTEN APPROVAL LABORATORY

Request No. LA66-R0116

Report No. R6601-0527

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 #2 Continuous Caster #2

MEASURING DATE : 20/01/2023 SAMPLE NO. : 00534

SAMPLING INSTRUMENT : Heat Stress ; RECEIVED DATE : 20/01/2023

Wet Bulb Globe Temperature (WBGT) ; REPORTED DATE : 24/01/2023

Serial No. TPL060039

PARAMETER*	SAMPLING TIME	RESULT				
		NWB	GT	DB	WBGT	UNIT
Heat Stress	11:10-11:40	21.6	32.2	30.8	24.8	°C
	11:40-12:10	21.9	32.3	31.1	25.0	°C
	12:10-12:40	22.0	32.8	31.1	25.2	°C
	12:40-13:10	22.1	33.2	31.3	25.4	°C
WBGT AVERAGE	11:10-13:10	-	-	-	25.1	°C
STANDARD		-	-	-	32.0 ^{1/2}	°C

REMARK:

Work Load is Moderate, Indoor

^{1/1} Regulation of The Ministry of Labour B.E. 2559 (2016)^{1/2} 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)

24/01/2023

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY

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WITHOUT THE WRITTEN APPROVAL LABORATORY

Request No. LA66-R0206

Report No. R6602-0026 - R6602-0027

TEST REPORT

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

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

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

SAMPLE POINT : บริเวณเตาหลอมและเตาพัก #2 (ตรวจวัดบริเวณที่ห่างจากด้านหน้าเตา 1 เมตร) Furnace Section #2
บริเวณควบคุมเครื่องจักรของเตาหลอมและเครื่องหล่ออย่างต่อเนื่อง #2
Furnace & Caster Control Panel Continuous Casting Machine #2

MEASURING DATE : 06/02/2023 SAMPLE NO. : 01236-01237

SAMPLING INSTRUMENT : Heat Stress ; RECEIVED DATE : 06/02/2023
Wet Bulb Globe Temperature (WBGT) ; REPORTED DATE : 08/02/2023
Serial No. TEU080013, TEU080012

PARAMETER*	SAMPLING TIME	RESULT				UNIT
		NWB	GT	DB	WBGT	
Heat Stress						
บริเวณควบคุมเครื่องจักรของเตาหลอมและ	11:00-11:30	26.3	34.0	31.7	28.6	°C
เครื่องหล่ออย่างต่อเนื่อง #2	11:30-12:00	26.3	34.3	32.1	28.7	°C
Furnace & Caster Control Panel	12:00-12:30	26.2	34.2	31.9	28.6	°C
Continuous Casting Machine #2	12:30-13:00	26.7	34.2	32.0	29.0	°C
WBGT AVERAGE	11:00-13:00	-	-	-	28.7	°C
Heat Stress	11:00-11:30	26.6	37.1	31.9	29.8	°C
บริเวณเตาหลอมและเตาพัก #2	11:30-12:00	26.5	36.6	31.8	29.5	°C
(ตรวจวัดบริเวณที่ห่างจากด้านหน้าเตา	12:00-12:30	26.4	37.1	32.2	29.6	°C
1 เมตร) Furnace Section #2	12:30-13:00	27.0	36.8	32.1	29.9	°C
WBGT AVERAGE	11:00-13:00	-	-	-	29.7	°C
WBGT (TWA)	11:00-13:00	-	-	-	29.2	°C
STANDARD		-	-	-	32.0 ^{1/2}	°C

REMARK:

Work Load is Moderate, Indoor

^{1/1} Regulation of The Ministry of Labour B.E. 2559 (2016)^{1/2} 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. Wanida Jampaton)



Approved By

(MRS. WANPEN LHAOCHINDAWAT)

08/02/2023

บริษัท อีสเทิร์น ไทย คอนซัลติ้ง 1992 จำกัด
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Request No. LA66-R0206

Report No. R6602-0026

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 #2
Furnace & Caster Control Panel Continuous Casting Machine #2

MEASURING DATE : 06/02/2023 SAMPLE NO. : 01236

SAMPLING INSTRUMENT : Heat Stress ; RECEIVED DATE : 06/02/2023
Wet Bulb Globe Temperature (WBGT) ; REPORTED DATE : 08/02/2023
Serial No. TEU080013

PARAMETER*	SAMPLING TIME	RESULT				
		NWB	GT	DB	WBGT	UNIT
Heat Stress	11:00-11:30	26.3	34.0	31.7	28.6	°C
	11:30-12:00	26.3	34.3	32.1	28.7	°C
	12:00-12:30	26.2	34.2	31.9	28.6	°C
	12:30-13:00	26.7	34.2	32.0	29.0	°C
WBGT AVERAGE	11:00-13:00	-	-	-	28.7	°C
STANDARD		-	-	-	32.0 ^{1/2}	°C

REMARK:

Work Load is Moderate, Indoor

^{1/} Regulation of The Ministry of Labour B.E. 2559 (2016)^{2/} 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)

08/02/2023

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Request No. LA66-R0206

Report No. R6602-0027

TEST REPORT

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

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

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

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

MEASURING DATE : 06/02/2023 SAMPLE NO. : 01237

SAMPLING INSTRUMENT : Heat Stress ; RECEIVED DATE : 06/02/2023

Wet Bulb Globe Temperature (WBGT) ; REPORTED DATE : 08/02/2023

Serial No. TEU080012

PARAMETER*	SAMPLING TIME	RESULT				
		NWB	GT	DB	WBGT	UNIT
Heat Stress	11:00-11:30	26.6	37.1	31.9	29.8	°C
	11:30-12:00	26.5	36.6	31.8	29.5	°C
	12:00-12:30	26.4	37.1	32.2	29.6	°C
	12:30-13:00	27.0	36.8	32.1	29.9	°C
WBGT AVERAGE	11:00-13:00	-	-	-	29.7	°C
STANDARD		-	-	-	32.0 ^{/1,2}	°C

REMARK:

Work Load is Moderate, Indoor

^{/1} Regulation of The Ministry of Labour B.E. 2559 (2016)^{/2} 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)

08/02/2023

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY

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WITHOUT THE WRITTEN APPROVAL LABORATORY

Request No. LA66-R0313

Report No. R6603-0174 - R6603-0175

TEST REPORT

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

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

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

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

MEASURING DATE : 03/03/2023 SAMPLE NO. : 02097-02098

SAMPLING INSTRUMENT : Heat Stress ; RECEIVED DATE : 03/03/2023
Wet Bulb Globe Temperature (WBGT) ; REPORTED DATE : 08/03/2023
Serial No. TPQ030024, TEU080015

PARAMETER*	SAMPLING TIME	RESULT				
		NWB	GT	DB	WBGT	UNIT
Heat Stress						
บริเวณเตาหลอมและเตาพัก #2	11:30-12:00	23.7	37.1	34.3	27.7	°C
(ตรวจวัดบริเวณที่ห่างจากด้านหน้าเตา	12:00-12:30	24.3	37.5	34.6	28.3	°C
1 เมตร) Furnace Section #2	12:30-13:00	23.8	37.4	35.0	27.9	°C
	13:00-13:30	24.4	38.2	35.2	28.5	°C
WBGT AVERAGE	11:30-13:30	-	-	-	28.1	°C
Heat Stress	11:30-12:00	22.6	34.9	33.8	26.3	°C
บริเวณเครื่องหล่ออย่างต่อเนื่อง #2	12:00-12:30	22.7	35.1	33.9	26.4	°C
Continuous Caster #2	12:30-13:00	22.8	35.4	34.5	26.6	°C
	13:00-13:30	23.5	35.4	34.2	27.1	°C
WBGT AVERAGE	11:30-13:30	-	-	-	26.6	°C
WBGT (TWA)	11:30-13:30	-	-	-	27.3	°C
STANDARD		-	-	-	32.0 ^{/1,2}	°C

REMARK:

Work Load is Moderate, Indoor

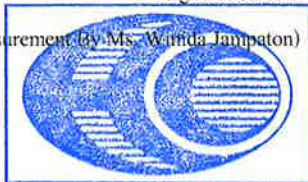
^{/1} Regulation of The Ministry of Labour B.E. 2559 (2016)^{/2} Notification of The Ministry of Industry B.E. 2546 (2003)

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. Wanida Jampaton)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By

(MRS. WANPEN LHAOCHINDAWAT)

08/03/2023

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY

THIS REPORT SHALL NOT REPRODUCED EXCEPT IN FULL

WITHOUT THE WRITTEN APPROVAL LABORATORY

Request No. LA66-R0313

Report No. R6603-0175

TEST REPORT

CUSTOMER : Meyer Aluminium (Thailand) Co., Ltd.
 ADDRESS : 38/32 Moo 5 Laem Chabang Industrial Estate, Sriracha, Chonburi 20230
 SAMPLE SOURCE : Meyer Aluminium (Thailand) Co., Ltd.
 SAMPLE POINT : บริเวณเตาหลอมและเตาพัก #2 (ตรวจวัดบริเวณที่ห่างจากด้านหน้าเตา 1 เมตร) Furnace Section #2
 MEASURING DATE : 03/03/2023 SAMPLE NO. : 02098
 SAMPLING INSTRUMENT : Heat Stress ; RECEIVED DATE : 03/03/2023
 Wet Bulb Globe Temperature (WBGT) ; REPORTED DATE : 08/03/2023
 Serial No. TEU080015

PARAMETER*	SAMPLING TIME	RESULT				
		NWB	GT	DB	WBGT	UNIT
Heat Stress	11:30-12:00	23.7	37.1	34.3	27.7	°C
	12:00-12:30	24.3	37.5	34.6	28.3	°C
	12:30-13:00	23.8	37.4	35.0	27.9	°C
	13:00-13:30	24.4	38.2	35.2	28.5	°C
WBGT AVERAGE	11:30-13:30	-	-	-	28.1	°C
STANDARD		-	-	-	32.0 ^{1/2}	°C

REMARK:

Work Load is Moderate, Indoor

^{1/1} Regulation of The Ministry of Labour B.E. 2559 (2016)^{1/2} Notification of The Ministry of Industry B.E. 2546 (2003)

NWB = Natural Wet - Bulb Temperature

GT = Globe Temperature

DB = Dry - Bulb Temperature

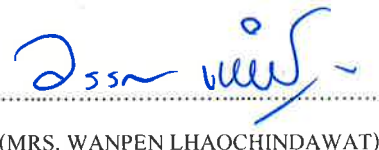
WBGT = Wet - Bulb Globe Temperature

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

(Measurement By Ms. Winida Jampaton)



Approved By



(MRS. WANPEN LHAOCHINDAWAT)

08/03/2023

บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY

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WITHOUT THE WRITTEN APPROVAL LABORATORY

Request No. LA66-R0313

Report No. R6603-0174

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 #2 Continuous Caster #2
 MEASURING DATE : 03/03/2023 SAMPLE NO. : 02097
 SAMPLING INSTRUMENT : Heat Stress ; RECEIVED DATE : 03/03/2023
 Wet Bulb Globe Temperature (WBGT) ; REPORTED DATE : 08/03/2023
 Serial No. TPQ030024

PARAMETER*	SAMPLING TIME	RESULT				
		NWB	GT	DB	WBGT	UNIT
Heat Stress	11:30-12:00	22.6	34.9	33.8	26.3	°C
	12:00-12:30	22.7	35.1	33.9	26.4	°C
	12:30-13:00	22.8	35.4	34.5	26.6	°C
	13:00-13:30	23.5	35.4	34.2	27.1	°C
WBGT AVERAGE	11:30-13:30	-	-	-	26.6	°C
STANDARD		-	-	-	32.0 ^{1,2}	°C

REMARK:

Work Load is Moderate, Indoor

¹ Regulation of The Ministry of Labour B.E. 2559 (2016)² 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)

08/03/2023

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY

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WITHOUT THE WRITTEN APPROVAL LABORATORY

Request No. LA66-R0406

Report No. R6604-0041 - R6604-0042

TEST REPORT

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

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

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

SAMPLE POINT : บริเวณเตาหลอมและเตาพัก #2 (ตรวจวัดบริเวณที่ห่างจากด้านหน้าเตา 1 เมตร) Furnace Section #2
บริเวณควบคุมเครื่องจักรของเตาหลอมและเครื่องหล่ออย่างต่อเนื่อง #2
Furnace & Caster Control Panel Continuous Casting Machine #2

MEASURING DATE : 03/04/2023 SAMPLE NO. : 03879-03880

SAMPLING INSTRUMENT : Heat Stress ; RECEIVED DATE : 03/04/2023
Wet Bulb Globe Temperature (WBGT) ; REPORTED DATE : 05/04/2023
Serial No. TPL060039, TPQ030023

PARAMETER*	SAMPLING TIME	RESULT				UNIT
		NWB	GT	DB	WBGT	
Heat Stress						
บริเวณควบคุมเครื่องจักรของเตาหลอมและ	11:00-11:30	27.5	34.7	34.3	29.7	°C
เครื่องหล่ออย่างต่อเนื่อง #2	11:30-12:00	27.6	34.7	34.4	29.7	°C
Furnace & Caster Control Panel	12:00-12:30	27.2	35.1	34.8	29.6	°C
Continuous Casting Machine #2	12:30-13:00	27.1	35.2	34.9	29.5	°C
WBGT AVERAGE	11:00-13:00	-	-	-	29.6	°C
Heat Stress						
บริเวณเตาหลอมและเตาพัก #2	11:00-11:30	27.3	36.2	33.0	30.0	°C
(ตรวจวัดบริเวณที่ห่างจากด้านหน้าเตา	11:30-12:00	27.4	36.2	33.1	30.0	°C
1 เมตร) Furnace Section #2	12:00-12:30	26.8	36.8	33.8	29.8	°C
	12:30-13:00	27.0	36.8	33.7	29.9	°C
WBGT AVERAGE	11:00-13:00	-	-	-	29.9	°C
WBGT (TWA)	11:00-13:00	-	-	-	29.8	°C
STANDARD		-	-	-	32.0 ^{1/2}	°C

REMARK:

Work Load is Moderate, Indoor

^{1/1} Regulation of The Ministry of Labour B.E. 2559 (2016)^{1/2} 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. Jinnat Suksage)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By: 

(MRS. WANPEN LHAOCHINDAWAT)

05/04/2023

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY

THIS REPORT SHALL NOT REPRODUCED EXCEPT IN FULL

WITHOUT THE WRITTEN APPROVAL LABORATORY

Request No. LA66-R0406

Report No. R6604-0042

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 #2
Furnace & Caster Control Panel Continuous Casting Machine #2

MEASURING DATE : 03/04/2023 SAMPLE NO. : 03880

SAMPLING INSTRUMENT : Heat Stress ; RECEIVED DATE : 03/04/2023
Wet Bulb Globe Temperature (WBGT) ; REPORTED DATE : 05/04/2023
Serial No. TPQ030023

PARAMETER*	SAMPLING TIME	RESULT				UNIT
		NWB	GT	DB	WBGT	
Heat Stress	11:00-11:30	27.5	34.7	34.3	29.7	°C
	11:30-12:00	27.6	34.7	34.4	29.7	°C
	12:00-12:30	27.2	35.1	34.8	29.6	°C
	12:30-13:00	27.1	35.2	34.9	29.5	°C
WBGT AVERAGE	11:00-13:00	-	-	-	29.6	°C
STANDARD		-	-	-	32.0 ^{1/2}	°C

REMARK:

Work Load is Moderate, Indoor

^{1/} Regulation of The Ministry of Labour B.E. 2559 (2016)^{2/} Notification of The Ministry of Industry B.E. 2546 (2003)

NWB = Natural Wet - Bulb Temperature

GT = Globe Temperature

DB = Dry - Bulb Temperature

WBGT = Wet - Bulb Globe Temperature

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



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By.....



(MRS. WANPEN LHAOCHINDAWAT)

05/04/2023

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

Request No. LA66-R0406

Report No. R6604-0041

TEST REPORT

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

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

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

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

MEASURING DATE : 03/04/2023 SAMPLE NO. : 03879

SAMPLING INSTRUMENT : Heat Stress ; RECEIVED DATE : 03/04/2023

Wet Bulb Globe Temperature (WBGT) ; REPORTED DATE : 05/04/2023

Serial No. TPL060039

PARAMETER*	SAMPLING TIME	RESULT				
		NWB	GT	DB	WBGT	UNIT
Heat Stress	11:00-11:30	27.3	36.2	33.0	30.0	°C
	11:30-12:00	27.4	36.2	33.1	30.0	°C
	12:00-12:30	26.8	36.8	33.8	29.8	°C
	12:30-13:00	27.0	36.8	33.7	29.9	°C
WBGT AVERAGE	11:00-13:00	-	-	-	29.9	°C
STANDARD		-	-	-	32.0 ^{1/2}	°C

REMARK:

Work Load is Moderate, Indoor

^{1/1} Regulation of The Ministry of Labour B.E. 2559 (2016)^{1/2} Notification of The Ministry of Industry B.E. 2546 (2003)

NWB = Natural Wet - Bulb Temperature

GT = Globe Temperature

DB = Dry - Bulb Temperature

WBGT = Wet - Bulb Globe Temperature

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



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By



(MRS. WANPEN LHAOCHINDAWAT)

05/04/2023

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY

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WITHOUT THE WRITTEN APPROVAL LABORATORY

Request No. LA66-R0539

Report No. R6605-1559 - R6605-1560

TEST REPORT

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

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

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

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

MEASURING DATE : 10/05/2023 SAMPLE NO. : 08722-08723

SAMPLING INSTRUMENT : Heat Stress ; RECEIVED DATE : 10/05/2023
Wet Bulb Globe Temperature (WBGT) ; REPORTED DATE : 11/05/2023
Serial No. TPL090016, TPL090017

PARAMETER*	SAMPLING TIME	RESULT				UNIT
		NWB	GT	DB	WBGT	
Heat Stress						
บริเวณเตาหลอมและเตาพัก #2	12:00-12:30	27.5	36.8	34.3	30.3	°C
(ตรวจวัดบริเวณที่ห่างจากด้านหน้าเตา	12:30-13:00	27.8	37.0	34.8	30.6	°C
1 เมตร) Furnace Section #2	13:00-13:30	27.7	37.5	34.7	30.6	°C
	13:30-14:00	27.5	37.3	34.5	30.4	°C
WBGT AVERAGE	12:00-14:00	-	-	-	30.5	°C
Heat Stress	12:00-12:30	26.6	34.5	33.6	29.0	°C
บริเวณเครื่องหล่ออย่างต่อเนื่อง #2	12:30-13:00	27.0	34.9	33.9	29.4	°C
Continuous Caster #2	13:00-13:30	27.1	35.6	34.4	29.7	°C
	13:30-14:00	26.8	36.3	34.9	29.7	°C
WBGT AVERAGE	12:00-14:00	-	-	-	29.4	°C
WBGT (TWA)	12:00-14:00	-	-	-	29.9	°C
STANDARD		-	-	-	32.0 ^{1/2}	°C

REMARK:

Work Load is Moderate, Indoor

^{1/1} Regulation of The Ministry of Labour B.E. 2559 (2016)^{1/2} 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 Klinsohon)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By

(MRS. WANPEN LHAOCHINDAWAT)

11/05/2023

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY

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WITHOUT THE WRITTEN APPROVAL LABORATORY

Request No. LA66-R0539

Report No. R6605-1559

TEST REPORT

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

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

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

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

MEASURING DATE : 10/05/2023 SAMPLE NO. : 08722

SAMPLING INSTRUMENT : Heat Stress ; RECEIVED DATE : 10/05/2023

Wet Bulb Globe Temperature (WBGT) ; REPORTED DATE : 11/05/2023

Serial No. TPL090016

PARAMETER*	SAMPLING TIME	RESULT				
		NWB	GT	DB	WBGT	UNIT
Heat Stress	12:00-12:30	27.5	36.8	34.3	30.3	°C
	12:30-13:00	27.8	37.0	34.8	30.6	°C
	13:00-13:30	27.7	37.5	34.7	30.6	°C
	13:30-14:00	27.5	37.3	34.5	30.4	°C
WBGT AVERAGE	12:00-14:00	-	-	-	30.5	°C
STANDARD		-	-	-	32.0 ^{/1,2}	°C

REMARK:

Work Load is Moderate, Indoor

^{/1} Regulation of The Ministry of Labour B.E. 2559 (2016)^{/2} 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)

11/05/2023

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY

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Request No. LA66-R0539

Report No. R6605-1560

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 #2 Continuous Caster #2

MEASURING DATE : 10/05/2023 SAMPLE NO. : 08723

SAMPLING INSTRUMENT : Heat Stress ; RECEIVED DATE : 10/05/2023

Wet Bulb Globe Temperature (WBGT) ; REPORTED DATE : 11/05/2023

Serial No. TPL090017

PARAMETER*	SAMPLING TIME	RESULT				
		NWB	GT	DB	WBGT	UNIT
Heat Stress	12:00-12:30	26.6	34.5	33.6	29.0	°C
	12:30-13:00	27.0	34.9	33.9	29.4	°C
	13:00-13:30	27.1	35.6	34.4	29.7	°C
	13:30-14:00	26.8	36.3	34.9	29.7	°C
WBGT AVERAGE	12:00-14:00	-	-	-	29.4	°C
STANDARD		-	-	-	32.0 ^{1/2}	°C

REMARK:

Work Load is Moderate, Indoor

¹ Regulation of The Ministry of Labour B.E. 2559 (2016)² 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)

11/05/2023

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY

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WITHOUT THE WRITTEN APPROVAL LABORATORY

Request No. LA66-R0639

Report No. R6606-1514 - R6606-1515

TEST REPORT

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

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

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

SAMPLE POINT : บริเวณเตาหลอมและเตาพัก #2 (ตรวจวัดบริเวณที่ห่างจากด้านหน้าเตา 1 เมตร) Furnace Section #2
บริเวณควบคุมเครื่องจักรของเตาหลอมและเครื่องหล่ออย่างต่อเนื่อง #2
Furnace & Caster Control Panel Continuous Casting Machine #2

MEASURING DATE : 08/06/2023 SAMPLE NO. : 12718-12719

SAMPLING INSTRUMENT : Heat Stress ; RECEIVED DATE : 08/06/2023
Wet Bulb Globe Temperature (WBGT) ; REPORTED DATE : 14/06/2023
Serial No. TPI050069, TPL090016

PARAMETER*	SAMPLING TIME	RESULT				
		NWB	GT	DB	WBGT	UNIT
Heat Stress						
บริเวณควบคุมเครื่องจักรของเตาหลอมและ	10:45-11:15	27.6	34.8	34.6	29.8	°C
เครื่องหล่ออย่างต่อเนื่อง #2	11:15-11:45	28.0	35.1	34.7	30.1	°C
Furnace & Caster Control Panel	11:45-12:15	28.0	35.0	34.7	30.1	°C
Continuous Casting Machine #2	12:15-12:45	27.9	34.8	34.5	30.0	°C
WBGT AVERAGE	10:45-12:45	-	-	-	30.0	°C
Heat Stress	10:45-11:15	28.0	38.7	33.6	31.2	°C
บริเวณเตาหลอมและเตาพัก #2	11:15-11:45	28.3	38.2	33.7	31.3	°C
(ตรวจวัดบริเวณที่ห่างจากด้านหน้าเตา	11:45-12:15	28.3	37.4	33.7	31.0	°C
1 เมตร) Furnace Section #2	12:15-12:45	28.3	37.6	33.2	31.1	°C
WBGT AVERAGE	10:45-12:45	-	-	-	31.2	°C
WBGT (TWA)	10:45-12:45	-	-	-	30.6	°C
STANDARD		-	-	-	32.0 ^{1/2}	°C

REMARK:

Work Load is Moderate, Indoor

^{1/1} Regulation of The Ministry of Labour B.E. 2559 (2016)^{1/2} 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. Sasana Kittimavarat)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By

(MRS. WANPEN LHAOCHINDAWAT)

14/06/2023

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY

THIS REPORT SHALL NOT REPRODUCED EXCEPT IN FULL

WITHOUT THE WRITTEN APPROVAL LABORATORY

Request No. LA66-R0639

Report No. R6606-1514

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 #2
Furnace & Caster Control Panel Continuous Casting Machine #2

MEASURING DATE : 08/06/2023 SAMPLE NO. : 12718

SAMPLING INSTRUMENT : Heat Stress ; RECEIVED DATE : 08/06/2023
Wet Bulb Globe Temperature (WBGT) ; REPORTED DATE : 14/06/2023
Serial No. TPI050069

PARAMETER*	SAMPLING TIME	RESULT				
		NWB	GT	DB	WBGT	UNIT
Heat Stress	10:45-11:15	27.6	34.8	34.6	29.8	°C
	11:15-11:45	28.0	35.1	34.7	30.1	°C
	11:45-12:15	28.0	35.0	34.7	30.1	°C
	12:15-12:45	27.9	34.8	34.5	30.0	°C
WBGT AVERAGE	10:45-12:45	-	-	-	30.0	°C
STANDARD		-	-	-	32.0 ^{1/2}	°C

REMARK:

Work Load is Moderate, Indoor

^{1/} Regulation of The Ministry of Labour B.E. 2559 (2016)^{2/} Notification of The Ministry of Industry B.E. 2546 (2003)

NWB = Natural Wet - Bulb Temperature

GT = Globe Temperature

DB = Dry - Bulb Temperature

WBGT = Wet - Bulb Globe Temperature

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

(Measurement By Ms. Savita Kittinoavarat)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By.....



(MRS. WANPEN LHAOCHINDAWAT)

14/06/2023

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Request No. LA66-R0639

Report No. R6606-1515

TEST REPORT

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

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

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

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

MEASURING DATE : 08/06/2023 SAMPLE NO. : 12719

SAMPLING INSTRUMENT : Heat Stress ; RECEIVED DATE : 08/06/2023
Wet Bulb Globe Temperature (WBGT) ; REPORTED DATE : 14/06/2023
Serial No. TPL090016

PARAMETER*	SAMPLING TIME	RESULT				
		NWB	GT	DB	WBGT	UNIT
Heat Stress	10:45-11:15	28.0	38.7	33.6	31.2	°C
	11:15-11:45	28.3	38.2	33.7	31.3	°C
	11:45-12:15	28.3	37.4	33.7	31.0	°C
	12:15-12:45	28.3	37.6	33.2	31.1	°C
WBGT AVERAGE	10:45-12:45	-	-	-	31.2	°C
STANDARD		-	-	-	32.0 ^{1/2}	°C

REMARK:

Work Load is Moderate, Indoor

^{1/} Regulation of The Ministry of Labour B.E. 2559 (2016)^{2/} Notification of The Ministry of Industry B.E. 2546 (2003)

NWB = Natural Wet - Bulb Temperature

GT = Globe Temperature

DB = Dry - Bulb Temperature

WBGT = Wet - Bulb Globe Temperature

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



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By.....



(MRS. WANPEN LHAOCHINDAWAT)

14/06/2023

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