

Request No. LA65-0953

Report No. 6510-0106

TEST REPORT

CUSTOMER : Egco Engineering & Service Co.,Ltd.

ADDRESS : 222 Moo 8 T. Map kha A. Nikhom Pattana, Rayong 21180

SAMPLE SOURCE : Egco Cogen Power Plant

SAMPLE POINT : Main Stack HRSG 11

SAMPLING DATE : 20/09/2022

RECEIVED DATE : 23/09/2022

TESTED DATE : 23/09/2022-05/10/2022

SAMPLE NO. : 05230-05232

SAMPLING TIME : 09:30-10:10

REPORTED DATE : 06/10/2022

STACK DESCRIPTION

Height :	34.90	m	Type Of Process :	Combustion
Diameter :	3.65	m	Type Of Fuel :	Natural Gas
Temperature :	113.00	°C	Operation Capacity :	39.00 MW
Air Velocity :	13.88	m/s	Oxygen Content :	14.57 %
Flow rate ^{/4} :	106.56	m ³ /s	Barometric Pressure :	757.75 mm.Hg
Moisture Content :	4.67	%	Atmospheric Temperature :	32.00 °C

PARAMETER*	TEST METHOD	TIME	RESULT ^{/4}		STD	UNIT
			14.57 % O ₂	7 % O ₂		
Particulate (TSP)	Isokinetic, Gravimetric	09:30-10:10	2.4	5.3	54 ^{/1} , 60 ^{/2}	mg/m ³
			0.2557	-	4.57 ^{/1}	g/s
Oxides of Nitrogen (NO _x as NO ₂)	Chemical Absorption, Colorimetric	09:50-09:55	34.9	76.6	-	mg/m ³
			18.6	40.8	100 ^{/1} , 120 ^{/2}	ppm
			3.7189	-	20.71 ^{/1}	g/s
Carbon monoxide (CO)	Bag, Non Dispersive Infrared	10:00-10:10	2.1	4.6	790 ^{/3}	mg/m ³
			1.8	4.0	690 ^{/3}	ppm
			0.2238	-	-	g/s

REMARK:

^{/1} มาตรฐานตามรายงานการวิเคราะห์ผลกระทบสิ่งแวดล้อมของโครงการ^{/2} NOTIFICATION OF THE MINISTRY OF INDUSTRY B.E. 2547 (2004)^{/3} NOTIFICATION OF THE MINISTRY OF INDUSTRY B.E. 2549 (2006)^{/4} DRY BASIS (25°C, 760 mm.Hg)

* SAMPLING BY MR. AUDOUMSUB JENJOBJING (7-003-ก-8894)

Examined By

(MISS APIRADEE CHUEN-AROM)

(7-003-ก-4377)

06/10/2022



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By

(MR. THONGCHAI BOONSAK)

(7-003-ก-5618)

06/10/2022

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY

THIS REPORT SHALL NOT REPRODUCED EXCEPT IN FULL

WITHOUT THE WRITTEN APPROVAL LABORATORY

Request No. LA65-0953

Report No. 6510-0107

TEST REPORT

CUSTOMER : Egco Engineering & Service Co.,Ltd.

ADDRESS : 222 Moo 8 T. Map kha A. Nikhom Pattana, Rayong 21180

SAMPLE SOURCE : Egco Cogen Power Plant

SAMPLE POINT : Power Plant Stack (HRSG#12) SAMPLE NO. : 05233-05235

SAMPLING DATE : 20/09/2022 SAMPLING TIME : 10:30-11:10

RECEIVED DATE : 23/09/2022 REPORTED DATE : 06/10/2022

TESTED DATE : 23/09/2022-05/10/2022

STACK DESCRIPTION

Height :	34.90	m	Type Of Process :	Combustion
Diameter :	3.65	m	Type Of Fuel :	Natural Gas
Temperature :	108.00	°C	Operation Capacity :	39.00 MW
Air Velocity :	13.62	m/s	Oxygen Content :	14.52 %
Flow rate ^{/4} :	106.66	m ³ /s	Barometric Pressure :	757.75 mm.Hg
Moisture Content :	4.00	%	Atmospheric Temperature :	34.00 °C

PARAMETER*	TEST METHOD	TIME	RESULT ^{/4}		STD	UNIT
			14.52 % O ₂	7 % O ₂		
Particulate (TSP)	Isokinetic, Gravimetric	10:30-11:10	0.3	0.7	54 ^{/1} , 60 ^{/2}	mg/m ³
			0.0320	-	4.57 ^{/1}	g/s
Oxides of Nitrogen (NO _x as NO ₂)	Chemical Absorption, Colorimetric	10:40-10:45	46.4	101.1	-	mg/m ³
			24.7	53.8	100 ^{/1} , 120 ^{/2}	ppm
			4.9490	-	20.71 ^{/1}	g/s
Carbon monoxide (CO)	Bag, Non Dispersive Infrared	11:00-11:05	1.5	3.3	790 ^{/3}	mg/m ³
			1.3	2.8	690 ^{/3}	ppm
			0.1600	-	-	g/s

REMARK:

^{/1} มาตรฐานตามรายงานการวิเคราะห์ผลกระทบสิ่งแวดล้อมของโครงการ^{/2} NOTIFICATION OF THE MINISTRY OF INDUSTRY B.E. 2547 (2004)^{/3} NOTIFICATION OF THE MINISTRY OF INDUSTRY B.E. 2549 (2006)^{/4} DRY BASIS (25°C, 760 mm.Hg)

* SAMPLING BY MR. AUDOUMSUB JENJOBJING (๖-003-๓-8894)

Examined By

(MISS APIRADEE CHUEN-AROM)

(๖-003-๓-4377)

06/10/2022



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By

Thongchai Boonsak

(MR. THONGCHAI BOONSAK)

(๖-003-๓-5618)

06/10/2022

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Request No. ATR6509056

Report No. 6509-0873 - 6509-0875

TEST REPORT

CUSTOMER : Egco Engineering & Service Co., Ltd.
 ADDRESS : 222 Moo 8 T. Mapkha A. Nikhom Pattana, Rayong 21180
 SAMPLE SOURCE : Egco Cogen Power Plant
 SAMPLE NAME : Nikhom Wittaya School
 RECEIVED DATE : 28/09/2022 SAMPLE NO. : A65090873 - A65090875
 TESTED DATE : 28/09/2022-30/09/2022 REPORTED DATE : 03/10/2022

PARAMETER*	TEST METHOD	SAMPLING DATE	RESULT	STD ^{1/}	UNIT
Total Suspended Particulate (TSP)	Gravimetric Method	19-20/09/2022	0.046	0.33	mg/m ³
		20-21/09/2022	0.035	0.33	mg/m ³
		21-22/09/2022	0.047	0.33	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 Klinsoon)

03/10/2022

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Request No. ATR6509056

Report No. 6509-0870 - 6509-0872

TEST REPORT

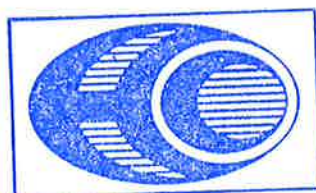
CUSTOMER : Egco Engineering & Service Co., Ltd.
 ADDRESS : 222 Moo 8 T. Mapkha A. NikhomPattana, Rayong 21180
 SAMPLE SOURCE : Egco Cogen Power Plant
 SAMPLE NAME : Nikhom Wittaya School
 RECEIVED DATE : 28/09/2022 SAMPLE NO. : A65090870 - A65090872
 TESTED DATE : 28/09/2022-30/09/2022 REPORTED DATE : 03/10/2022

PARAMETER*	TEST METHOD	SAMPLING DATE	RESULT	STD ^{1/}	UNIT
Particulate matter less than or Equal					
10 micrometers (PM 10)	Gravimetric Method	19-20/09/2022	0.020	0.12	mg/m ³
		20-21/09/2022	0.025	0.12	mg/m ³
		21-22/09/2022	0.033	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 อีสเทิร์นไทยคอนซัลติง 1992 จำกัด

Approved By

(Miss Thanatporn Klinsopon)

03/10/2022

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Request No. ATR6509056

Report No. 6509-0861 - 6509-0863

TEST REPORT

CUSTOMER : Egco Engineering & Service Co., Ltd.
 ADDRESS : 222 Moo 8 T. Mapkha A. Nikhom Pattana, Rayong 21180
 SAMPLE SOURCE : Egco Cogen Power Plant
 SAMPLE NAME : Mab Kha Temple
 RECEIVED DATE : 28/09/2022 SAMPLE NO. : A65090861 - A65090863
 TESTED DATE : 28/09/2022-30/09/2022 REPORTED DATE : 03/10/2022

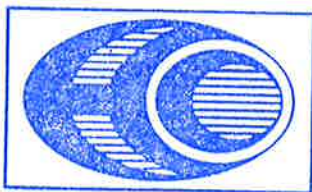
PARAMETER*	TEST METHOD	SAMPLING DATE	RESULT	STD ^{/1}	UNIT
Total Suspended Particulate (TSP)	Gravimetric Method	19-20/09/2022	0.025	0.33	mg/m ³
		20-21/09/2022	0.038	0.33	mg/m ³
		21-22/09/2022	0.042	0.33	mg/m ³

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)

03/10/2022

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Request No. ATR6509056

Report No. 6509-0858 - 6509-0860

TEST REPORT

CUSTOMER : Egco Engineering & Service Co., Ltd.
 ADDRESS : 222 Moo 8 T. Mapkha A. NihomPattana, Rayong 21180
 SAMPLE SOURCE : Egco Cogen Power Plant
 SAMPLE NAME : Mab Kha Temple
 RECEIVED DATE : 28/09/2022 SAMPLE NO. : A65090858 - A65090860
 TESTED DATE : 28/09/2022-30/09/2022 REPORTED DATE : 03/10/2022

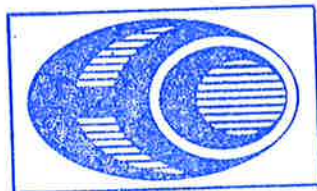
PARAMETER*	TEST METHOD	SAMPLING DATE	RESULT	STD ^{/1}	UNIT
Particulate matter less than or Equal					
10 micrometers (PM 10)	Gravimetric Method	19-20/09/2022	0.016	0.12	mg/m ³
		20-21/09/2022	0.028	0.12	mg/m ³
		21-22/09/2022	0.030	0.12	mg/m ³

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 Klinsoon)

03/10/2022

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Request No. ATR6509056

Report No. 6509-0867 - 6509-0869

TEST REPORT

CUSTOMER : Egco Engineering & Service Co., Ltd.
 ADDRESS : 222 Moo 8 T. Mapkha A. Nikhom Pattana, Rayong 21180
 SAMPLE SOURCE : Egco Cogen Power Plant
 SAMPLE NAME : Ban Samnak Ai Ngon
 RECEIVED DATE : 28/09/2022 SAMPLE NO. : A65090867 - A65090869
 TESTED DATE : 28/09/2022-30/09/2022 REPORTED DATE : 03/10/2022

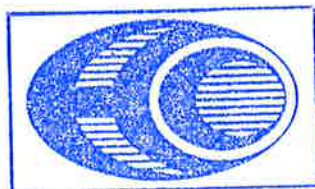
PARAMETER*	TEST METHOD	SAMPLING DATE	RESULT	STD ^{/1}	UNIT
Total Suspended Particulate (TSP)	Gravimetric Method	19-20/09/2022	0.061	0.33	mg/m ³
		20-21/09/2022	0.062	0.33	mg/m ³
		21-22/09/2022	0.061	0.33	mg/m ³

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)

03/10/2022

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Request No. ATR6509056

Report No. 6509-0864 - 6509-0866

TEST REPORT

CUSTOMER : Egco Engineering & Service Co., Ltd.
 ADDRESS : 222 Moo 8 T. Mapkha A. NihomPattana, Rayong 21180
 SAMPLE SOURCE : Egco Cogen Power Plant
 SAMPLE NAME : Ban Samnak Ai Ngon
 RECEIVED DATE : 28/09/2022 SAMPLE NO. : A65090864 - A65090866
 TESTED DATE : 28/09/2022-30/09/2022 REPORTED DATE : 03/10/2022

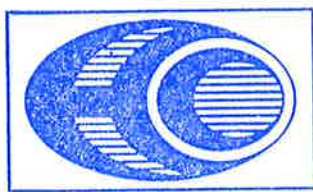
PARAMETER*	TEST METHOD	SAMPLING DATE	RESULT	STD ¹	UNIT
Particulate matter less than or Equal					
10 micrometers (PM 10)	Gravimetric Method	19-20/09/2022	0.049	0.12	mg/m ³
		20-21/09/2022	0.054	0.12	mg/m ³
		21-22/09/2022	0.051	0.12	mg/m ³

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)

03/10/2022

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Request No. LA65-R0979

Report No. R6509-4526 – R6509-4528

TEST REPORT

CUSTOMER : Egco Engineering & Service Co., Ltd.
ADDRESS : 222 Moo 8 T. Map kha A. Nikhom Pattana, Rayong 21180
SAMPLE SOURCE : Egco Cogen Power Plant
SAMPLE POINT : Nikhom Wittaya School
PARAMETER* : Sulfur Dioxide
DETERMINATION METHOD : UV-Fluorescence
INSTRUMENT : Environnement SA. Model AF22e S/N 913

SAMPLE NO. : 28624-28626
SAMPLING DATE : 19-22/09/2022
RECEIVED DATE : 22/09/2022
REPORTED DATE : 28/09/2022

TIME / DATE	19-20/09/2022	20-21/09/2022	21-22/09/2022	UNIT
11:00 – 12:00 ³	0.001	0.003	0.002	ppm
12:00 – 13:00	0.002	0.003	0.001	ppm
13:00 – 14:00	0.002	0.003	0.002	ppm
14:00 – 15:00	0.002	0.001	0.001	ppm
15:00 – 16:00	0.003	0.001	0.001	ppm
16:00 – 17:00	0.004	0.001	0.002	ppm
17:00 – 18:00	0.004	0.001	0.002	ppm
18:00 – 19:00	0.001	0.001	0.001	ppm
19:00 – 20:00	<0.001	0.001	<0.001	ppm
20:00 – 21:00	0.002	0.001	0.001	ppm
21:00 – 22:00	0.001	0.001	0.001	ppm
22:00 – 23:00	0.001	0.001	0.001	ppm
23:00 – 00:00	0.001	0.001	<0.001	ppm
00:00 – 01:00	0.001	0.001	<0.001	ppm
01:00 – 02:00	0.001	0.001	<0.001	ppm
02:00 – 03:00	0.001	0.001	0.001	ppm
03:00 – 04:00	0.001	0.001	0.001	ppm
04:00 – 05:00	<0.001	<0.001	0.001	ppm
05:00 – 06:00	0.001	<0.001	0.001	ppm
06:00 – 07:00	0.002	0.001	0.001	ppm
07:00 – 08:00	0.003	0.001	0.001	ppm
08:00 – 09:00	0.002	0.001	0.001	ppm
09:00 – 10:00	0.001	0.001	0.001	ppm
10:00 – 11:00	0.003	0.002	0.002	ppm
Maximum 1 hr.	0.004	0.003	0.002	ppm
Average 24 hr.	0.002	0.001	0.001	ppm
Standard (1 hr.) ¹	0.30	0.30	0.30	ppm
Standard (Average 24 hr.) ²	0.12	0.12	0.12	ppm

REMARK : ¹ Notification of The National Environmental Board Volume 12 B.E. 2538 (1995) and Volume 21 B.E.2544 (2001)² Notification of The National Environmental Board Volume 24 B.E. 2547 (2004)³ Start Time* Parameter Outside The Scope of The Registration of The Department of Industrial Works
(Measurement By Mr. Tummarut Pholunkum)

บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By 

(MS. THANATPORN KLINSOPON)

28/09/2022

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Request No. LA65-R0979

Report No. R6509-4538 – R6509-4540

TEST REPORT

CUSTOMER : Egco Engineering & Service Co., Ltd.
ADDRESS : 222 Moo 8 T. Map kha A. Nikhom Pattana, Rayong 21180
SAMPLE SOURCE : Egco Cogen Power Plant
SAMPLE POINT : Map Kha Temple
PARAMETER* : Sulfur Dioxide
DETERMINATION METHOD : UV-Fluorescence
INSTRUMENT : API Model M100E S/N 3139

SAMPLE NO. : 28636-28638
SAMPLING DATE : 19-22/09/2022
RECEIVED DATE : 22/09/2022
REPORTED DATE : 28/09/2022

TIME / DATE	19-20/09/2022	20-21/09/2022	21-22/09/2022	UNIT
10:00 – 11:00 ³	0.003	0.005	0.003	ppm
11:00 – 12:00	0.003	0.002	0.002	ppm
12:00 – 13:00	0.004	0.002	0.001	ppm
13:00 – 14:00	0.005	0.002	0.002	ppm
14:00 – 15:00	0.003	0.003	0.002	ppm
15:00 – 16:00	0.004	0.002	0.001	ppm
16:00 – 17:00	0.004	0.002	0.002	ppm
17:00 – 18:00	0.005	0.003	0.001	ppm
18:00 – 19:00	0.003	0.003	0.002	ppm
19:00 – 20:00	0.003	0.006	0.002	ppm
20:00 – 21:00	0.002	0.004	0.002	ppm
21:00 – 22:00	0.003	0.006	0.002	ppm
22:00 – 23:00	0.002	0.004	0.003	ppm
23:00 – 00:00	0.002	0.006	0.003	ppm
00:00 – 01:00	0.001	0.005	0.002	ppm
01:00 – 02:00	0.001	0.003	0.002	ppm
02:00 – 03:00	0.002	0.008	0.002	ppm
03:00 – 04:00	0.004	0.006	0.002	ppm
04:00 – 05:00	0.003	0.003	0.003	ppm
05:00 – 06:00	0.002	0.006	0.002	ppm
06:00 – 07:00	0.007	0.001	0.001	ppm
07:00 – 08:00	0.003	0.008	0.001	ppm
08:00 – 09:00	0.003	0.005	0.001	ppm
09:00 – 10:00	0.003	0.002	0.002	ppm
Maximum 1 hr.	0.007	0.008	0.003	ppm
Average 24 hr.	0.003	0.004	0.002	ppm
Standard (1 hr.) ¹	0.30	0.30	0.30	ppm
Standard (Average 24 hr.) ²	0.12	0.12	0.12	ppm

REMARK : ¹ Notification of The National Environmental Board Volume 12 B.E. 2538 (1995) and Volume 21 B.E.2544 (2001)² Notification of The National Environmental Board Volume 24 B.E. 2547 (2004)³ Start Time* Parameter Outside The Scope of The Registration of The Department of Industrial Works
(Measurement By Mr. Tummarut Photankhem)

บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By: 

(MS. THANATPORN KLINSOPON)

28/09/2022

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Request No. LA65-R0979

Report No. R6509-4532 – R6509-4534

TEST REPORT

CUSTOMER : Egco Engineering & Service Co., Ltd.
ADDRESS : 222 Moo 8 T. Map kha A. Nikhom Pattana, Rayong 21180
SAMPLE SOURCE : Egco Cogen Power Plant
SAMPLE POINT : Ban Samnak Ai Ngong
PARAMETER* : Sulfur Dioxide
DETERMINATION METHOD : UV-Fluorescence
INSTRUMENT : API Model T100 S/N 1607

SAMPLE NO. : 28630-28632
SAMPLING DATE : 19-22/09/2022
RECEIVED DATE : 22/09/2022
REPORTED DATE : 28/09/2022

TIME / DATE	19-20/09/2022	20-21/09/2022	21-22/09/2022	UNIT
10:00 – 11:00 ³	0.001	0.004	0.003	ppm
11:00 – 12:00	0.002	0.004	0.004	ppm
12:00 – 13:00	0.002	0.004	0.002	ppm
13:00 – 14:00	0.001	0.004	0.003	ppm
14:00 – 15:00	0.001	0.005	0.004	ppm
15:00 – 16:00	0.001	0.004	0.004	ppm
16:00 – 17:00	0.001	0.004	0.004	ppm
17:00 – 18:00	0.002	0.004	0.003	ppm
18:00 – 19:00	0.002	0.004	0.004	ppm
19:00 – 20:00	0.003	0.004	0.004	ppm
20:00 – 21:00	0.002	0.003	0.003	ppm
21:00 – 22:00	0.002	0.004	0.003	ppm
22:00 – 23:00	0.003	0.004	0.004	ppm
23:00 – 00:00	0.003	0.004	0.003	ppm
00:00 – 01:00	0.003	0.004	0.004	ppm
01:00 – 02:00	0.004	0.004	0.003	ppm
02:00 – 03:00	0.003	0.004	0.003	ppm
03:00 – 04:00	0.004	0.004	0.003	ppm
04:00 – 05:00	0.003	0.003	0.002	ppm
05:00 – 06:00	0.004	0.004	0.003	ppm
06:00 – 07:00	0.005	0.003	0.003	ppm
07:00 – 08:00	0.004	0.003	0.003	ppm
08:00 – 09:00	0.004	0.002	0.003	ppm
09:00 – 10:00	0.004	0.003	0.003	ppm
Maximum 1 hr.	0.005	0.005	0.004	ppm
Average 24 hr.	0.003	0.004	0.003	ppm
Standard (1 hr.) ¹	0.30	0.30	0.30	ppm
Standard (Average 24 hr.) ²	0.12	0.12	0.12	ppm

REMARK :

¹ Notification of The National Environmental Board Volume 12 B.E. 2538 (1995) and Volume 21 B.E.2544 (2001)² Notification of The National Environmental Board Volume 24 B.E. 2547 (2004)³ Start Time* Parameter Outside The Scope of The Registration of The Department of Industrial Works
(Measurement By Mr. Tummarat Photankham)

บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

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WITHOUT THE WRITTEN APPROVAL LABORATORY

Approved By

(MS. THANATPORN KLINSOPON)

28/09/2022

Request No. LA65-R0979

Report No. R6509-4529 – R6509-4531

TEST REPORT

CUSTOMER : Egco Engineering & Service Co., Ltd.
ADDRESS : 222 Moo 8 T. Map kha A. Nikhom Pattana, Rayong 21180
SAMPLE SOURCE : Egco Cogen Power Plant
SAMPLE POINT : Nikhom Wittaya School
PARAMETER* : Nitrogen Dioxide
DETERMINATION METHOD : Chemiluminescence
INSTRUMENT : Environnement SA. Model AC32e S/N 693

SAMPLE NO. : 28627-28629
SAMPLING DATE : 19-22/09/2022
RECEIVED DATE : 22/09/2022
REPORTED DATE : 28/09/2022

TIME / DATE	19-20/09/2022	20-21/09/2022	21-22/09/2022	UNIT
11:00 – 12:00 ²	0.001	0.003	0.005	ppm
12:00 – 13:00	0.002	0.004	0.005	ppm
13:00 – 14:00	0.002	0.003	0.005	ppm
14:00 – 15:00	0.002	0.003	0.005	ppm
15:00 – 16:00	0.003	0.004	0.005	ppm
16:00 – 17:00	0.004	0.009	0.005	ppm
17:00 – 18:00	0.005	0.009	0.007	ppm
18:00 – 19:00	0.007	0.008	0.010	ppm
19:00 – 20:00	0.010	0.009	0.009	ppm
20:00 – 21:00	0.013	0.010	0.009	ppm
21:00 – 22:00	0.013	0.014	0.010	ppm
22:00 – 23:00	0.007	0.010	0.009	ppm
23:00 – 00:00	0.006	0.009	0.006	ppm
00:00 – 01:00	0.006	0.009	0.003	ppm
01:00 – 02:00	0.006	0.008	0.003	ppm
02:00 – 03:00	0.009	0.008	0.005	ppm
03:00 – 04:00	0.008	0.008	0.002	ppm
04:00 – 05:00	0.008	0.007	0.003	ppm
05:00 – 06:00	0.009	0.006	0.005	ppm
06:00 – 07:00	0.008	0.007	0.006	ppm
07:00 – 08:00	0.008	0.008	0.009	ppm
08:00 – 09:00	0.007	0.008	0.009	ppm
09:00 – 10:00	0.004	0.008	0.011	ppm
10:00 – 11:00	0.003	0.006	0.009	ppm
Maximum 1 hr.	0.013	0.014	0.011	ppm
Average 24 hr.	0.006	0.007	0.006	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 Photankhum)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By.....

(MS. THANATPORN KLINSOPON)

28/09/2022

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY

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WITHOUT THE WRITTEN APPROVAL LABORATORY

Request No. LA65-R0979

Report No. R6509-4541 – R6509-4543

TEST REPORT

CUSTOMER : Egco Engineering & Service Co., Ltd.
 ADDRESS : 222 Moo 8 T. Map kha A. Nikhom Pattana, Rayong 21180
 SAMPLE SOURCE : Egco Cogen Power Plant
 SAMPLE POINT : Map Kha Temple
 PARAMETER* : Nitrogen Dioxide
 DETERMINATION METHOD : Chemiluminescence
 INSTRUMENT : API Model T200 S/N 6756

SAMPLE NO. : 28639-28641
 SAMPLING DATE : 19-22/09/2022
 RECEIVED DATE : 22/09/2022
 REPORTED DATE : 28/09/2022

TIME / DATE	19-20/09/2022	20-21/09/2022	21-22/09/2022	UNIT
10:00 – 11:00 ²	0.003	0.001	0.002	ppm
11:00 – 12:00	0.003	0.001	0.002	ppm
12:00 – 13:00	0.001	0.001	0.002	ppm
13:00 – 14:00	0.001	0.001	0.002	ppm
14:00 – 15:00	0.001	0.003	0.002	ppm
15:00 – 16:00	0.002	0.005	0.003	ppm
16:00 – 17:00	0.003	0.005	0.005	ppm
17:00 – 18:00	0.003	0.002	0.005	ppm
18:00 – 19:00	0.004	0.002	0.006	ppm
19:00 – 20:00	0.007	0.004	0.003	ppm
20:00 – 21:00	0.008	0.008	0.003	ppm
21:00 – 22:00	0.007	0.003	0.005	ppm
22:00 – 23:00	0.004	0.003	0.006	ppm
23:00 – 00:00	0.003	0.003	0.002	ppm
00:00 – 01:00	0.004	0.002	0.003	ppm
01:00 – 02:00	0.005	0.005	0.009	ppm
02:00 – 03:00	0.005	0.004	0.003	ppm
03:00 – 04:00	0.004	0.006	0.002	ppm
04:00 – 05:00	0.004	0.002	0.005	ppm
05:00 – 06:00	0.003	0.007	0.012	ppm
06:00 – 07:00	0.003	0.009	0.004	ppm
07:00 – 08:00	0.003	0.005	0.005	ppm
08:00 – 09:00	0.003	0.003	0.005	ppm
09:00 – 10:00	0.001	0.003	0.022	ppm
Maximum 1 hr.	0.008	0.009	0.022	ppm
Average 24 hr.	0.003	0.004	0.005	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 Phatankham)



Approved By

(MS. THANATPORN KLINSOPON)

28/09/2022

บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด
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Request No. LA65-R0979

Report No. R6509-4535 – R6509-4537

TEST REPORT

CUSTOMER : Egco Engineering & Service Co., Ltd.
 ADDRESS : 222 Moo 8 T. Map kha A. Nikhom Pattana, Rayong 21180
 SAMPLE SOURCE : Egco Cogen Power Plant
 SAMPLE POINT : Ban Samnak Ai Ngon
 PARAMETER* : Nitrogen Dioxide
 DETERMINATION METHOD : Chemiluminescence
 INSTRUMENT : API Model T200 S/N 6758

SAMPLE NO. : 28633-28635
 SAMPLING DATE : 19-22/09/2022
 RECEIVED DATE : 22/09/2022
 REPORTED DATE : 28/09/2022

TIME / DATE	19-20/09/2022	20-21/09/2022	21-22/09/2022	UNIT
10:00 – 11:00 ²	0.002	0.005	0.006	ppm
11:00 – 12:00	0.003	0.006	0.011	ppm
12:00 – 13:00	0.004	0.004	0.004	ppm
13:00 – 14:00	0.004	0.003	0.004	ppm
14:00 – 15:00	0.005	0.003	0.005	ppm
15:00 – 16:00	0.004	0.004	0.005	ppm
16:00 – 17:00	0.006	0.004	0.006	ppm
17:00 – 18:00	0.008	0.006	0.006	ppm
18:00 – 19:00	0.009	0.009	0.009	ppm
19:00 – 20:00	0.012	0.012	0.013	ppm
20:00 – 21:00	0.009	0.009	0.011	ppm
21:00 – 22:00	0.010	0.008	0.006	ppm
22:00 – 23:00	0.008	0.006	0.004	ppm
23:00 – 00:00	0.007	0.006	0.004	ppm
00:00 – 01:00	0.004	0.005	0.006	ppm
01:00 – 02:00	0.004	0.006	0.012	ppm
02:00 – 03:00	0.005	0.005	0.005	ppm
03:00 – 04:00	0.006	0.014	0.004	ppm
04:00 – 05:00	0.004	0.004	0.003	ppm
05:00 – 06:00	0.004	0.004	0.005	ppm
06:00 – 07:00	0.004	0.003	0.003	ppm
07:00 – 08:00	0.004	0.004	0.004	ppm
08:00 – 09:00	0.004	0.004	0.005	ppm
09:00 – 10:00	0.006	0.003	0.006	ppm
Maximum 1 hr.	0.012	0.014	0.013	ppm
Average 24 hr.	0.006	0.006	0.006	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 Photankham)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By

(MS. THANATPORN KLINSOPON)

28/09/2022

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Wind Speed & Wind Direction

Request No. LA65-R0979

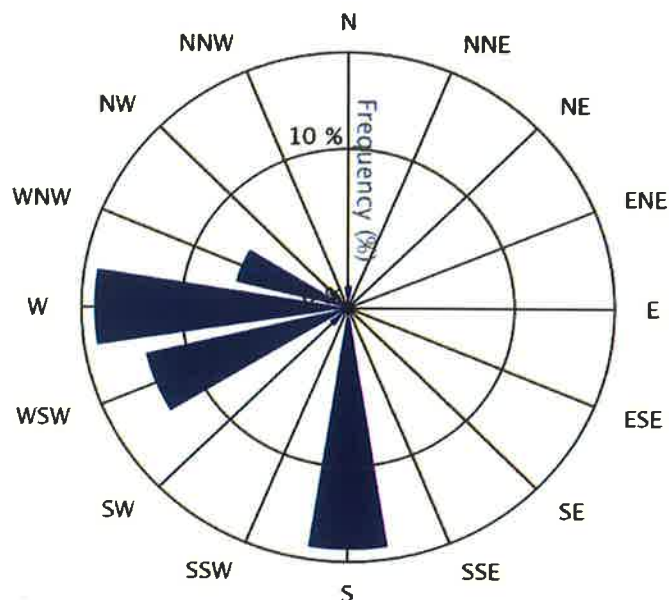
Egco Engineering & Service Co., Ltd.

Sample No. 28654

Sampling Source : Nikhom Wittaya School

Sampling Date : September 19-22, 2022

Calm 45.8 %



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	1.4	0.0	0.0	0.0	0.0	0.0	1.4
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	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S	15.3	0.0	0.0	0.0	0.0	0.0	15.3
SSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SW	1.4	0.0	0.0	0.0	0.0	0.0	1.4
WSW	12.5	0.0	0.0	0.0	0.0	0.0	12.5
W	15.3	0.0	0.0	0.0	0.0	0.0	15.3
WNW	6.9	0.0	0.0	0.0	0.0	0.0	6.9
NW	1.4	0.0	0.0	0.0	0.0	0.0	1.4
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Calm	45.8						

Wind Speed & Wind Direction

Request No. LA65-R0979

Egco Engineering & Service Co., Ltd.

Sample No. 28654

Sampling Source : Nikhom Wittaya School

Sampling Date : September 19-22, 2022

Time	September 19-20, 2022		September 20-21, 2022		September 21-22, 2022	
	Wind Speed (m/s)	Wind Direction	Wind Speed (m/s)	Wind Direction	Wind Speed (m/s)	Wind Direction
11:00-12:00	0.4	S	0.9	W	0.4	WSW
12:00-13:00	1.3	S	0.4	W	0.9	W
13:00-14:00	0.4	S	0.4	S	0.9	WNW
14:00-15:00	0.4	S	0.9	WSW	0.9	W
15:00-16:00	0.4	S	0.9	WSW	0.9	W
16:00-17:00	0.9	S	1.8	W	0.9	WSW
17:00-18:00	0.9	S	0.0	-	0.4	WSW
18:00-19:00	0.9	S	0.0	-	0.4	W
19:00-20:00	0.4	S	0.0	-	0.0	-
20:00-21:00	0.4	S	0.0	-	0.0	-
21:00-22:00	0.0	-	0.4	SW	0.0	-
22:00-23:00	0.4	WNW	0.4	W	0.0	-
23:00-00:00	0.4	WNW	0.0	-	0.9	WSW
00:00-01:00	0.0	-	0.4	N	0.4	WSW
01:00-02:00	0.4	NW	0.0	-	0.0	-
02:00-03:00	0.0	-	0.0	-	0.0	-
03:00-04:00	0.0	-	0.0	-	0.4	WSW
04:00-05:00	0.0	-	0.0	-	0.0	-
05:00-06:00	0.0	-	0.0	-	0.4	W
06:00-07:00	0.0	-	0.0	-	0.0	-
07:00-08:00	0.0	-	0.0	-	0.4	W
08:00-09:00	0.0	-	0.0	-	0.9	WNW
09:00-10:00	0.0	-	0.0	-	0.4	WNW
10:00-11:00	0.4	WSW	0.4	W	0.0	-

Wind Speed & Wind Direction

Request No. LA65-R0979

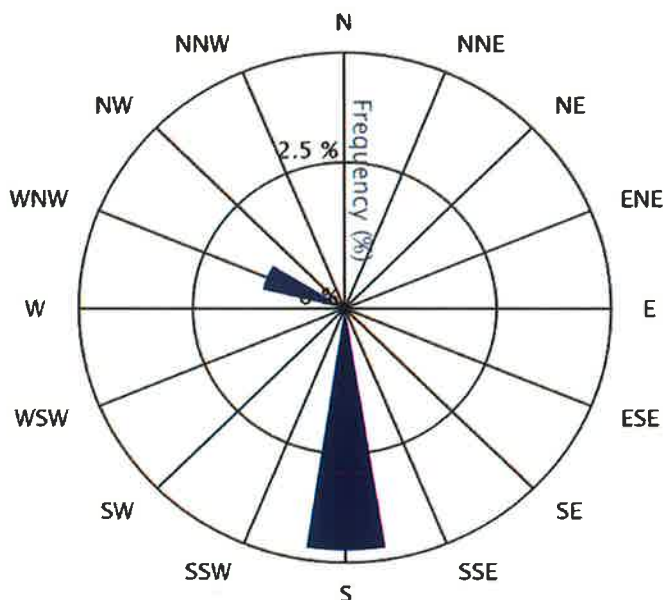
Egco Engineering & Service Co., Ltd.

Sample No. 28656

Sampling Source : Map Kha Temple

Sampling Date : September 19-22, 2022

Calm 94.4 %



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	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S	4.2	0.0	0.0	0.0	0.0	0.0	4.2
SSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SW	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	1.4	0.0	0.0	0.0	0.0	0.0	1.4
NW	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Calm	94.4						



Wind Speed & Wind Direction

Request No. LA65-R0979

Egco Engineering & Service Co., Ltd.

Sample No. 28656

Sampling Source : Map Kha Temple

Sampling Date : September 19-22, 2022

Time	September 19-20, 2022		September 20-21, 2022		September 21-22, 2022	
	Wind Speed (m/s)	Wind Direction	Wind Speed (m/s)	Wind Direction	Wind Speed (m/s)	Wind Direction
10:00-11:00	0.4	S	0.0	-	0.0	-
11:00-12:00	0.0	-	0.0	-	0.0	-
12:00-13:00	0.0	-	0.0	-	0.0	-
13:00-14:00	0.0	-	0.0	-	0.0	-
14:00-15:00	0.0	-	0.0	-	0.0	-
15:00-16:00	0.4	S	0.0	-	0.0	-
16:00-17:00	0.0	-	1.8	WNW	0.0	-
17:00-18:00	0.0	-	0.0	-	0.0	-
18:00-19:00	0.0	-	0.0	-	0.0	-
19:00-20:00	0.0	-	0.0	-	0.0	-
20:00-21:00	0.0	-	0.0	-	0.0	-
21:00-22:00	0.0	-	0.0	-	0.0	-
22:00-23:00	0.0	-	0.0	-	0.0	-
23:00-00:00	0.0	-	0.0	-	0.4	S
00:00-01:00	0.0	-	0.0	-	0.0	-
01:00-02:00	0.0	-	0.0	-	0.0	-
02:00-03:00	0.0	-	0.0	-	0.0	-
03:00-04:00	0.0	-	0.0	-	0.0	-
04:00-05:00	0.0	-	0.0	-	0.0	-
05:00-06:00	0.0	-	0.0	-	0.0	-
06:00-07:00	0.0	-	0.0	-	0.0	-
07:00-08:00	0.0	-	0.0	-	0.0	-
08:00-09:00	0.0	-	0.0	-	0.0	-
09:00-10:00	0.0	-	0.0	-	0.0	-

Wind Speed & Wind Direction

Request No. LA65-R0979

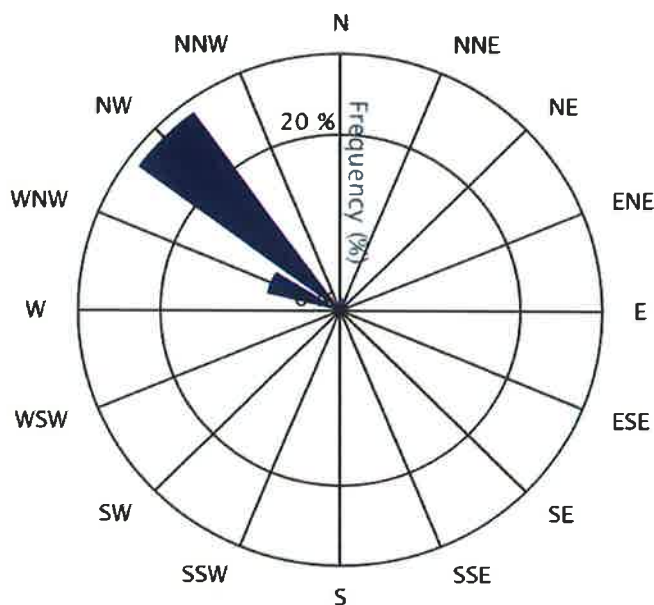
Egco Engineering & Service Co., Ltd.

Sample No. 28655

Sampling Source : Ban Samnak Ai Ngon

Sampling Date : September 19-22, 2022

Calm 61.1 %


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

WD/WS	Percentage of Occurrence of Wind Direct Grouped in Various Wind Speed						Total
	0.4-1.9 m/s	2.0-3.9 m/s	4.0-5.9 m/s	6.0-7.9 m/s	8.0-9.9 m/s	> 9.9 m/s	
N	1.4	0.0	0.0	0.0	0.0	0.0	1.4
NNE	1.4	0.0	0.0	0.0	0.0	0.0	1.4
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	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SW	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	8.3	0.0	0.0	0.0	0.0	0.0	8.3
NW	27.8	0.0	0.0	0.0	0.0	0.0	27.8
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Calm	61.1						

Wind Speed & Wind Direction

Request No. LA65-R0979

Egco Engineering & Service Co., Ltd.

Sample No. 28655

Sampling Source : Ban Samnak Ai Ngon

Sampling Date : September 19-22, 2022

Time	September 19-20, 2022		September 20-21, 2022		September 21-22, 2022	
	Wind Speed (m/s)	Wind Direction	Wind Speed (m/s)	Wind Direction	Wind Speed (m/s)	Wind Direction
10:00-11:00	0.0	-	0.9	NW	1.3	NW
11:00-12:00	0.4	NW	0.9	NW	1.3	NW
12:00-13:00	0.9	NW	0.9	WNW	1.8	NW
13:00-14:00	1.3	NW	1.3	WNW	1.3	NW
14:00-15:00	1.3	NW	0.9	WNW	1.3	NW
15:00-16:00	0.9	WNW	0.9	WNW	1.8	NW
16:00-17:00	0.0	-	1.3	NW	1.3	NW
17:00-18:00	0.0	-	0.4	NW	0.9	NW
18:00-19:00	0.0	-	0.0	-	0.4	WNW
19:00-20:00	0.0	-	0.0	-	0.0	-
20:00-21:00	0.0	-	0.0	-	0.0	-
21:00-22:00	0.0	-	0.0	-	0.0	-
22:00-23:00	0.0	-	0.0	-	0.0	-
23:00-00:00	0.0	-	0.0	-	1.8	NW
00:00-01:00	0.0	-	0.0	-	0.0	-
01:00-02:00	0.0	-	0.0	-	0.0	-
02:00-03:00	0.0	-	0.0	-	0.0	-
03:00-04:00	0.0	-	0.0	-	0.4	NW
04:00-05:00	0.0	-	0.0	-	0.0	-
05:00-06:00	0.0	-	0.0	-	0.0	-
06:00-07:00	0.0	-	0.0	-	0.0	-
07:00-08:00	0.0	-	0.0	-	0.0	-
08:00-09:00	0.0	-	0.0	-	0.4	N
09:00-10:00	0.4	NW	0.9	NW	0.4	NNE



ACCREDITED
ISO 9001 / ISO 14001

EASTERN THAI CONSULTING 1992 CO., LTD.

683 Moo 11 Sukhapibarn 8 Rd., Nongkham, Sriracha, Chonburi 20230

Tel. 0-3848-1197-8, 0-3876-3031-2 Fax : 0-3848-2095 E-mail : marketing@etc1992.com



NSC-TISI-TIS 17025

TESTING 0031

Request No. LA65-R0979

Report No. R6509-4553 – R6509-4555

TEST REPORT

CUSTOMER : Egco Engineering & Service Co.,Ltd.
ADDRESS : 222 Moo 8 T. Map kha A. Nikhom Pattana, Rayong 21180
SAMPLE SOURCE : Egco Cogen Power Plant
SAMPLE POINT : Within The Power Plant
PARAMETER* : L_{eq} 1 hr., L_{eq} 24 hr., & $L_{dn\#}$
DETERMINATION METHOD : ISO 1996-1:2016
INSTRUMENT : Integrated Sound Level Meter
S/N 090085 : Type 2

SAMPLE NO. : 28651-28653
MEASURING DATE : 19-22/09/2022
RECEIVED DATE : 22/09/2022
REPORTED DATE : 28/09/2022

TIME \ DATE	19-20/09/2022 (L_{eq})	20-21/09/2022 (L_{eq})	21-22/09/2022 (L_{eq})	UNIT
09:20 – 10:20 ³	67.8	65.0	65.3	dB(A)
10:20 – 11:20	67.5	65.0	64.7	dB(A)
11:20 – 12:20	64.4	64.5	65.3	dB(A)
12:20 – 13:20	64.5	65.9	65.8	dB(A)
13:20 – 14:20	66.3	66.1	65.7	dB(A)
14:20 – 15:20	66.5	65.6	65.9	dB(A)
15:20 – 16:20	65.7	65.4	70.2	dB(A)
16:20 – 17:20	65.5	67.0	71.4	dB(A)
17:20 – 18:20	68.2	68.0	65.1	dB(A)
18:20 – 19:20	65.4	65.3	64.5	dB(A)
19:20 – 20:20	64.5	66.2	64.5	dB(A)
20:20 – 21:20	64.8	66.2	66.6	dB(A)
21:20 – 22:20	65.3	66.4	66.9	dB(A)
22:20 – 23:20	65.3	69.7	66.4	dB(A)
23:20 – 00:20	65.3	65.9	66.8	dB(A)
00:20 – 01:20	65.1	65.9	66.4	dB(A)
01:20 – 02:20	65.0	66.1	66.9	dB(A)
02:20 – 03:20	64.9	66.5	66.8	dB(A)
03:20 – 04:20	64.8	66.9	67.6	dB(A)
04:20 – 05:20	66.2	66.8	66.2	dB(A)
05:20 – 06:20	64.9	66.0	66.4	dB(A)
06:20 – 07:20	65.3	66.1	66.2	dB(A)
07:20 – 08:20	66.0	66.3	65.5	dB(A)
08:20 – 09:20	65.0	65.8	65.3	dB(A)
L_{eq} 24 hr.	65.7	66.3	66.7	dB(A)
$L_{dn\#}$	71.7	73.1	73.1	dB(A)
Standard	$70^{1/}$, $70^{2/}$	$70^{1/}$, $70^{2/}$	$70^{1/}$, $70^{2/}$	dB(A)

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

^{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

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

(Measurement By Mr. Tummarut Photankham)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By.....

(MRS. WANPEN LHAOCHINDAWAT)

28/09/2022

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



ACCREDITED
ISO 9001 / ISO 14001

EASTERN THAI CONSULTING 1992 CO., LTD.

683 Moo 11 Sukhapibarn 8 Rd., Nongkham, Sriracha, Chonburi 20230

Tel. 0-3848-1197-8, 0-3876-3031-2 Fax : 0-3848-2095 E-mail : marketing@etc1992.com



NSC-TISI-TIS 17025

TESTING 0031

Request No. LA65-R0979

Report No. R6509-4550 – R6509-4552

TEST REPORT

CUSTOMER : Egco Engineering & Service Co.,Ltd.
ADDRESS : 222 Moo 8 T. Map kha A. Nikhom Pattana, Rayong 21180
SAMPLE SOURCE : Egco Cogen Power Plant
SAMPLE POINT : Ban Nong Hin
PARAMETER* : L_{eq} 1 hr., L_{eq} 24 hr., & $L_{dn#}$
DETERMINATION METHOD : ISO 1996-1:2016
INSTRUMENT : Integrated Sound Level Meter
S/N 090090 : Type 2

SAMPLE NO. : 28648-28650
MEASURING DATE : 19-22/09/2022
RECEIVED DATE : 22/09/2022
REPORTED DATE : 28/09/2022

TIME \ DATE	19-20/09/2022 (L_{eq})	20-21/09/2022 (L_{eq})	21-22/09/2022 (L_{eq})	UNIT
09:00 – 10:00 ³	57.0	54.7	52.6	dB(A)
10:00 – 11:00	53.0	54.2	52.1	dB(A)
11:00 – 12:00	53.8	53.7	52.8	dB(A)
12:00 – 13:00	52.6	51.5	53.3	dB(A)
13:00 – 14:00	53.2	55.0	52.3	dB(A)
14:00 – 15:00	52.3	53.9	54.1	dB(A)
15:00 – 16:00	51.8	55.5	53.8	dB(A)
16:00 – 17:00	53.4	55.2	54.1	dB(A)
17:00 – 18:00	55.2	55.1	54.3	dB(A)
18:00 – 19:00	53.7	53.5	52.9	dB(A)
19:00 – 20:00	52.6	52.3	50.3	dB(A)
20:00 – 21:00	52.3	51.5	48.8	dB(A)
21:00 – 22:00	49.5	48.0	53.1	dB(A)
22:00 – 23:00	47.9	47.3	58.4	dB(A)
23:00 – 00:00	46.9	47.0	59.0	dB(A)
00:00 – 01:00	46.5	47.4	59.2	dB(A)
01:00 – 02:00	46.1	46.8	53.3	dB(A)
02:00 – 03:00	49.3	47.0	61.9	dB(A)
03:00 – 04:00	45.9	46.7	64.3	dB(A)
04:00 – 05:00	47.1	48.8	58.5	dB(A)
05:00 – 06:00	50.2	52.1	53.1	dB(A)
06:00 – 07:00	53.2	55.2	55.2	dB(A)
07:00 – 08:00	54.9	53.0	53.1	dB(A)
08:00 – 09:00	53.2	53.0	54.1	dB(A)
L_{eq} 24 hr.	52.3	52.6	56.6	dB(A)
$L_{dn#}$	56.3	57.1	65.4	dB(A)
Standard	$70^{1/1}, 70^{2/2}$	$70^{1/1}, 70^{2/2}$	$70^{1/1}, 70^{2/2}$	dB(A)

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

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

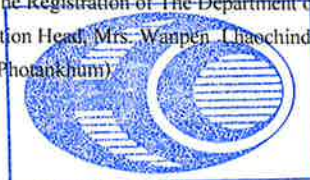
^{1/2} Notification of Ministry of the Industry B.E. 2548 (2005)

^{1/3} Start Time

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

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

(Measurement By Mr. Tummarut Photankhum)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By

(MRS. WANPEN LHAOCHINDAWAT)

28/09/2022

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
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ISO 9001 / ISO 14001

EASTERN THAI CONSULTING 1992 CO., LTD.

683 Moo 11 Sukhapibarn 8 Rd., Nongkham, Sriracha, Chonburi 20230

Tel. 0-3848-1197-8, 0-3876-3031-2 Fax : 0-3848-2095 E-mail : marketing@etc1992.com



NSC-TISI-TIS 17025

TESTING 0031

Request No. LA65-R0979

Report No. R6509-4544 – R6509-4546

TEST REPORT

CUSTOMER : Egco Engineering & Service Co.,Ltd.
 ADDRESS : 222 Moo 8 T. Map kha A. Nikhom Pattana, Rayong 21180
 SAMPLE SOURCE : Egco Cogen Power Plant
 SAMPLE POINT : Map Kha Temple
 PARAMETER* : L_{eq} 1 hr., L_{eq} 24 hr., & $L_{dn\#}$
 DETERMINATION METHOD : ISO 1996-1:2016
 INSTRUMENT : Integrated Sound Level Meter
 S/N G301013 : Type 2

SAMPLE NO. : 28642-28644
 MEASURING DATE : 19-22/09/2022
 RECEIVED DATE : 22/09/2022
 REPORTED DATE : 28/09/2022

TIME \ DATE	19-20/09/2022 (L_{eq})	20-21/09/2022 (L_{eq})	21-22/09/2022 (L_{eq})	UNIT
10:10 – 11:10 ³	58.2	55.6	62.1	dB(A)
11:10 – 12:10	58.7	59.1	60.9	dB(A)
12:10 – 13:10	60.7	59.5	59.1	dB(A)
13:10 – 14:10	57.0	58.0	59.1	dB(A)
14:10 – 15:10	59.5	48.7	60.3	dB(A)
15:10 – 16:10	59.1	58.7	59.2	dB(A)
16:10 – 17:10	58.6	52.4	55.3	dB(A)
17:10 – 18:10	52.1	53.5	55.2	dB(A)
18:10 – 19:10	55.8	50.6	57.7	dB(A)
19:10 – 20:10	56.3	48.9	55.2	dB(A)
20:10 – 21:10	54.3	49.5	49.8	dB(A)
21:10 – 22:10	48.6	46.5	47.9	dB(A)
22:10 – 23:10	53.4	50.6	66.2	dB(A)
23:10 – 00:10	65.8	46.2	61.4	dB(A)
00:10 – 01:10	58.3	46.1	53.8	dB(A)
01:10 – 02:10	52.8	51.3	49.2	dB(A)
02:10 – 03:10	48.7	46.8	48.6	dB(A)
03:10 – 04:10	47.8	49.2	50.2	dB(A)
04:10 – 05:10	49.5	47.8	49.3	dB(A)
05:10 – 06:10	49.3	50.0	52.4	dB(A)
06:10 – 07:10	52.3	52.8	55.2	dB(A)
07:10 – 08:10	54.6	53.0	57.3	dB(A)
08:10 – 09:10	57.0	56.9	56.4	dB(A)
09:10 – 10:10	55.3	62.2	57.0	dB(A)
L_{eq} 24 hr.	57.4	54.9	58.3	dB(A)
$L_{dn\#}$	64.1	57.9	65.0	dB(A)
Standard	70 ¹ , 70 ²	70 ¹ , 70 ²	70 ¹ , 70 ²	dB(A)

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

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

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

(Measurement By Mr. Tummarut Photankhum)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By

(MRS. WANPEN LHAOCHINDAWAT)

28/09/2022

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

TEST REPORT

CUSTOMER : Egco Engineering & Service Co.,Ltd.
ADDRESS : 222 Moo 8 T. Map kha A. Nikhom Pattana, Rayong 21180
SAMPLE SOURCE : Egco Cogen Power Plant
SAMPLE POINT : Ban Nong Khla
PARAMETER* : L_{eq} 1 hr., L_{eq} 24 hr., & L_{dn}
DETERMINATION METHOD : ISO 1996-1:2016
INSTRUMENT : Integrated Sound Level Meter
S/N G300957 : Type 2

SAMPLE NO. : 28645-28647
MEASURING DATE : 19-22/09/2022
RECEIVED DATE : 22/09/2022
REPORTED DATE : 28/09/2022

TIME \ DATE	19-20/09/2022 (L_{eq})	20-21/09/2022 (L_{eq})	21-22/09/2022 (L_{eq})	UNIT
09:40 – 10:40 ¹⁾	51.0	55.5	53.7	dB(A)
10:40 – 11:40	54.0	51.7	50.6	dB(A)
11:40 – 12:40	52.6	52.0	52.1	dB(A)
12:40 – 13:40	51.2	50.6	52.5	dB(A)
13:40 – 14:40	52.5	51.3	50.4	dB(A)
14:40 – 15:40	54.4	56.4	53.7	dB(A)
15:40 – 16:40	53.4	59.6	53.8	dB(A)
16:40 – 17:40	55.7	53.6	52.6	dB(A)
17:40 – 18:40	53.1	54.6	53.3	dB(A)
18:40 – 19:40	51.2	50.0	50.9	dB(A)
19:40 – 20:40	56.2	52.3	49.6	dB(A)
20:40 – 21:40	57.1	49.5	51.5	dB(A)
21:40 – 22:40	53.7	47.3	57.6	dB(A)
22:40 – 23:40	48.7	46.7	64.1	dB(A)
23:40 – 00:40	51.3	47.5	60.4	dB(A)
00:40 – 01:40	47.4	45.1	56.6	dB(A)
01:40 – 02:40	46.5	46.1	55.9	dB(A)
02:40 – 03:40	49.1	46.6	56.3	dB(A)
03:40 – 04:40	49.6	50.1	48.7	dB(A)
04:40 – 05:40	54.4	52.1	52.7	dB(A)
05:40 – 06:40	57.7	56.0	56.6	dB(A)
06:40 – 07:40	56.6	56.8	56.7	dB(A)
07:40 – 08:40	56.8	54.6	58.9	dB(A)
08:40 – 09:40	55.6	55.2	54.1	dB(A)
L_{eq} 24 hr.	53.9	53.3	56.1	dB(A)
L_{dn}	59.2	57.5	64.4	dB(A)
Standard	70 ¹⁾ , 70 ²⁾	70 ¹⁾ , 70 ²⁾	70 ¹⁾ , 70 ²⁾	dB(A)

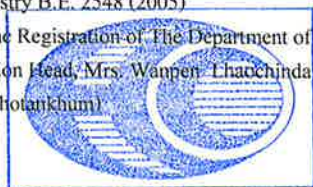
REMARK : * Test Report/Sampling marked 'Not TISI Accredited' in this report are not included in the TISI Accreditation Schedule for our laboratory

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
(Ms. Thanatporn Klinsonon is Section Head, Mrs. Wanpen Lhaochindawat is Technical Management)
(Measurement By Mr. Tummarut Photankhum)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By 
(MRS. WANPEN LHAOCHINDAWAT)

28/09/2022

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

Test Report

Request No : W6507310

Report No : 6507-2174

Customer : บริษัท เอ็กโก เอ็นจิเนียริง แอนด์ เซอร์วิส จำกัด**

Address : 222 หมู่ 8 ตำบลมาบตา อำเภอนิคมน้ำจืด จังหวัดระยอง 21180**

Sampling Source : โรงไฟฟ้าเอ็กโก โกลด์**

Sample No : W 65071279

Sample Name : Waste Water Inlet**

Sampling Date : 11/07/2022**

Sampling By : ETC**

Sampling Time : 10:30 AM**

Sampling Method : Grab**

Received Date : 12/07/2022

Tested Date : 12/07/2022 - 26/07/2022

Reported Date : 30/07/2022

Parameter	Unit	Method	Result
Biochemical Oxygen Demand #	mg/l	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	< 2.0
Chemical Oxygen Demand #	mg/l	Closed Reflux, Titrimetric Method (SM:5220C)	42
Oil and Grease @	mg/l	Partition-Gravimetric Method (SM:5520B)	< 3.0
pH (on site) *		Electrometric Method	8.3
Temperature *	°C	Laboratory and Field Method	36
Total Dissolved Solids #	mg/l	Dried at 180 C (SM:2540C)	1,520

Physical Appearance : 1. Sample : lightly SS

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

Remark : 1. @ = 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.

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

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

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

Examined By :

(Miss Apiradee Chuen-arom)
(จ-003-ค-4377)
30/07/2022



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Mr. Kawee Suthasub)
(จ-003-ค-2205)
30/07/2022

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

Test Report

Request No : W6507310

Report No : 6507-2174

Customer : บริษัท เอ็กโก เอ็นจิเนียริง แอนด์ เซอร์วิส จำกัด

Address : 222 หมู่ 8 ตำบลมาบข่า อําเภอนิคมพัฒนา จังหวัดระยอง 21180

Sampling Source : โรงไฟฟ้าเอ็กโก โกลเดน

Sample No : W 65071279

Sample Name : Waste Water Inlet

Sampling Date : 11/07/2022

Sampling By : ETC

Sampling Time : 10:30 AM

Sampling Method : Grab

Received Date : 12/07/2022

Tested Date : 12/07/2022 - 26/07/2022

Reported Date : 30/07/2022

Parameter	Unit	Method	Result
Total Solids	mg/l	Dried at 103-105 C (SM:2540B)	1,680

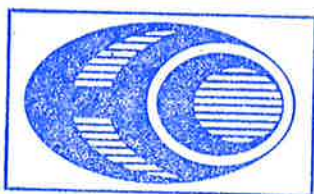
Physical Apperance : 1. Sample : lightly SS

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

Remark : 1. Parameter Outside The Scope of The Registration of Department of Industrial Works

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

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



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By :

(Miss Apiradee Chuen-arom)

30/07/2022

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

Test Report

Request No : W6508425

Report No : 6509-0147

Customer : บริษัท เอ็กโก เอ็นจิเนียริ่ง แอนด์ เซอร์วิส จำกัด**

Address : 222 หมู่ 8 ตำบลมาบตา อำเภอนิคมน้ำจืด จังหวัดระยอง 21180**

Sampling Source : โรงไฟฟ้าเอ็กโก โกลเด้น**

Sample No : W 65081547

Sample Name : Waste Water Inlet*

Sampling Date : 17/08/2022**

Sampling By : ETC**

Sampling Time : 10:45 AM**

Sampling Method : Grab**

Received Date : 18/08/2022

Tested Date : 18/08/2022 - 30/08/2022

Reported Date : 02/09/2022

Parameter	Unit	Method	Result
Biochemical Oxygen Demand #	mg/l	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	< 2.0
Chemical Oxygen Demand #	mg/l	Closed Reflux, Titrimetric Method (SM:5220C)	44
Oil and Grease @	mg/l	Partition-Gravimetric Method (SM:5520B)	< 3.0
pH (on site) *		Electrometric Method	8.4
Temperature *	°C	Laboratory and Field Method	36
Total Dissolved Solids #	mg/l	Dried at 180 C (SM:2540C)	1,136

Physical Apperance : 1. Sample : yellowish, lightly SS

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

Remark : 1. @ = 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.

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

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

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

Examined By :

(Miss Apiradee Chuen-arom)

(จ-003-ค-4377)

02/09/2022



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Mr. Kawee Suthasub)

(จ-003-ค-2205)

02/09/2022

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

Test Report

Request No : W6508425

Report No : 6509-0147

Customer : บริษัท เอ็กโก เอ็นจิเนียริง แอนด์ เซอร์วิส จำกัด

Address : 222 หมู่ 8 ตำบลมาบตา อำเภอนิคมพัฒนา จังหวัดระยอง 21180

Sampling Source : โรงไฟฟ้าเอ็กโก โกลเดน

Sample No : W 65081547

Sample Name : Waste Water Inlet

Sampling Date : 17/08/2022

Sampling By : ETC

Sampling Time : 10:45 AM

Sampling Method : Grab

Received Date : 18/08/2022

Tested Date : 18/08/2022 - 30/08/2022

Reported Date : 02/09/2022

Parameter	Unit	Method	Result
Total Solids	mg/l	Dried at 103-105 C (SM:2540B)	1,256

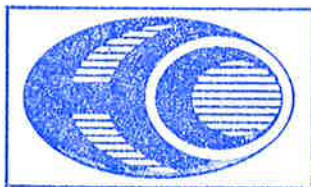
Physical Apperance : 1. Sample : yellowish, lightly SS

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

Remark : 1. Parameter Outside The Scope of The Registration of Department of Industrial Works

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

3. Sampling By Miss Pompinan Viriyakusolkul (๓-003-๑-8334)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By : 

(Miss Apiradee Chuen-arom)

02/09/2022

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

Test Report

Request No : W6509316

Report No : 6509-1797

Customer : บริษัท เอ็กโก เอ็นจิเนียริ่ง แอนด์ เซอร์วิส จำกัด**

Address : 222 หมู่ 8 ตำบลมาบตา อำเภอนิคมพัฒนา จังหวัดระยอง 21180**

Sampling Source : โรงไฟฟ้าเอ็กโก โกลเดน**

Sample No : W 65091324

Sample Name : Waste Water Inlet**

Sampling Date : 12/09/2022**

Sampling By : ETC**

Sampling Time : 10:10 AM**

Sampling Method : Grab**

Received Date : 13/09/2022

Tested Date : 13/09/2022 - 24/09/2022

Reported Date : 27/09/2022

Parameter	Unit	Method	Result
Biochemical Oxygen Demand #	mg/l	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	< 2.0
Chemical Oxygen Demand #	mg/l	Closed Reflux, Titrimetric Method (SM:5220C)	< 40
Oil and Grease @	mg/l	Partition-Gravimetric Method (SM:5520B)	< 3.0
pH (on site) *		Electrometric Method	7.8
Temperature *	°C	Laboratory and Field Method	35
Total Dissolved Solids #	mg/l	Dried at 180 C (SM:2540C)	1,160

Physical Appearance : 1. Sample : lightly SS

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

Remark : 1. @ = 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.

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

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

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

Examined By :

(Miss Apiradee Chuen-arom)
(จ-003-ค-4377)
27/09/2022



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Mr. Kawee Suthasub)
(จ-003-ค-2205)
27/09/2022

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

Test Report

Request No : W6509316

Report No : 6509-1797

Customer : บริษัท เอ็กโก เอ็นจิเนียริง แอนด์ เซอร์วิส จำกัด

Address : 222 หมู่ 8 ตำบลมาบตา อำเภอนิคมน้ำจืด จังหวัดระยอง 21180

Sampling Source : โรงไฟฟ้าเอ็กโก โกลเดน

Sample No : W 65091324

Sample Name : Waste Water Inlet

Sampling Date : 12/09/2022

Sampling By : ETC

Sampling Time : 10:10 AM

Sampling Method : Grab

Received Date : 13/09/2022

Tested Date : 13/09/2022 - 24/09/2022

Reported Date : 27/09/2022

Parameter	Unit	Method	Result
Total Solids	mg/l	Dried at 103-105 C (SM:2540B)	1,180

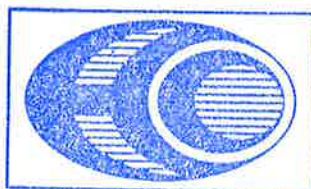
Physical Apperance : 1. Sample : lightly SS

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

Remark : 1. Parameter Outside The Scope of The Registration of Department of Industrial Works

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

3. Sampling By Mr. Supharerk Phatklang (๖-003-๖-5637)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By :

(Miss Apiradee Chuen-arom)

27/09/2022

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
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Test Report

Customer : บริษัท เอ็กโก เอ็นจิเนียริง แอนด์ เซอร์วิส จำกัด**

Address : 222 หมู่ 8 ตำบลมาบข่า อำเภอนิคมน้ำจืด จังหวัดระยอง 21180**

Sampling Source : โรงไฟฟ้าเอ็กโก โกลเดน**

Sample Name : Waste Water Inlet**

Sampling By : ETC**

Sampling Method : Grab**

Tested Date : 27/10/2022 - 09/11/2022

Sample No : W 65102006

Sampling Date : 26/10/2022**

Sampling Time : 8:50 AM**

Received Date : 27/10/2022

Reported Date : 10/11/2022

Request No : W6510570

Report No : 6511-0781

Parameter	Unit	Method	Result
Biochemical Oxygen Demand #	mg/l	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	< 2.0
Chemical Oxygen Demand #	mg/l	Closed Reflux, Titrimetric Method (SM:5220C)	< 40
Oil and Grease @	mg/l	Partition-Gravimetric Method (SM:5520B)	< 3.0
pH (on site) *		Electrometric Method	8.3
Temperature *	°C	Laboratory and Field Method	35
Total Dissolved Solids #	mg/l	Dried at 180 C (SM:2540C)	1,168

Physical Apperance : 1. Sample : yellowish, lightly SS

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

Remark : 1. @ = 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.

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

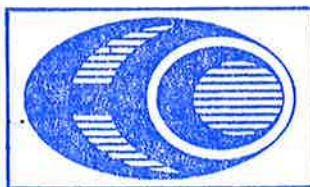
3. * = Test Report/Sampling marked Not Accredited, Sampling By Mr. Parkpoom Buasawad (จ-003-ก-7280)*

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

Examined By :

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

10/11/2022



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Mr. Kawee Suthasub)
(จ-003-ก-2205)

10/11/2022

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

Test Report

Request No : W6510570

Report No : 6511-0781

Customer : บริษัท เอ็กโก เอ็นจิเนียริง แอนด์ เซอร์วิส จำกัด

Address : 222 หมู่ 8 ตำบลมาบข่า อำเภอนิคมพัฒนา จังหวัดระยอง 21180

Sampling Source : โรงไฟฟ้าเอ็กโก โกลเดน

Sample No : W 65102006

Sample Name : Waste Water Inlet

Sampling Date : 26/10/2022

Sampling By : ETC

Sampling Time : 8:50 AM

Sampling Method : Grab

Received Date : 27/10/2022

Tested Date : 27/10/2022 - 09/11/2022

Reported Date : 10/11/2022

Parameter	Unit	Method	Result
Total Solids	mg/l	Dried at 103-105 C (SM:2540B)	1,216

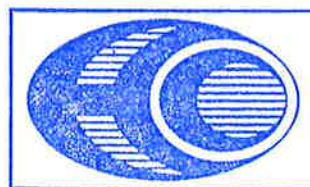
Physical Apperance : 1. Sample : yellowish, lightly SS

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

Remark : 1. Parameter Outside The Scope of The Registration of Department of Industrial Works

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

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



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By : 

(Miss Apiradee Chuen-arom)

10/11/2022

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
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Test Report

Request No : W6511361

Report No : 6511-2041

Customer : บริษัท เอ็กโก เอ็นจิเนียริง แอนด์ เซอร์วิส จำกัด**

Address : 222 หมู่ 8 ตำบลมาบค่า อำเภอนิคมน้ำจืด จังหวัดระยอง 21180**

Sampling Source : โรงไฟฟ้าเอ็กโก โกลเดน**

Sample No : W 65111276

Sample Name : Waste Water Inlet**

Sampling Date : 14/11/2022**

Sampling By : ETC**

Sampling Time : 11:02 AM**

Sampling Method : Grab**

Received Date : 15/11/2022

Tested Date : 15/11/2022 - 23/11/2022

Reported Date : 28/11/2022

Parameter	Unit	Method	Result
Biochemical Oxygen Demand #	mg/l	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	22.7
Chemical Oxygen Demand #	mg/l	Closed Reflux, Titrimetric Method (SM:5220C)	196
Oil and Grease @	mg/l	Partition-Gravimetric Method (SM:5520B)	< 3.0
pH (on site) *		Electrometric Method	9.3
Temperature *	°C	Laboratory and Field Method	32
Total Dissolved Solids #	mg/l	Dried at 180 C (SM:2540C)	2,932

Physical Apperance : 1. Sample : green, turbid

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

Remark : 1. @ = 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.

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

3. * = Test Report/Sampling marked Not Accredited, Sampling By Miss Pornpinan Viriyakusolkul (๖-003-๖-8334)*

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

Examined By :

(Miss Apiradee Chuen-arom)

(๖-003-๖-4377)

28/11/2022



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Mr. Kawee Suthasub)

(๖-003-๖-2205)

28/11/2022

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
THIS REPORT SHALL NOT REPRODUCED EXCEPT IN FULL
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Test Report

Request No : W6511361

Report No : 6511-2041

Customer : บริษัท เอ็กโก เอ็นจิเนียริง แอนด์ เซอร์วิส จำกัด

Address : 222 หมู่ 8 ตำบลมาบตา อำเภอนิคมพัฒนา จังหวัดระยอง 21180

Sampling Source : โรงไฟฟ้าเอ็กโก โกลเดน

Sample No : W 65111276

Sample Name : Waste Water Inlet

Sampling Date : 14/11/2022

Sampling By : ETC

Sampling Time : 11:02 AM

Sampling Method : Grab

Received Date : 15/11/2022

Tested Date : 15/11/2022 - 23/11/2022

Reported Date : 28/11/2022

Parameter	Unit	Method	Result
Total Solids	mg/l	Dried at 103-105 C (SM:2540B)	3,366

Physical Apperance : 1. Sample : green, turbid

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

Remark : 1. Parameter Outside The Scope of The Registration of Department of Industrial Works

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

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



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By :

(Miss Apiradee Chuen-arom)

28/11/2022

Test Report

Request No : W6512328

Report No : 6512-1430

Customer : บริษัท เอ็กโก เอ็นจิเนียริ่ง แอนด์ เซอร์วิส จำกัด**

Address : 222 หมู่ 8 ตำบลมาบข่า อำเภอนิคมน้ำจืด จังหวัดระยอง 21180**

Sampling Source : โรงไฟฟ้าเอ็กโก โกลเดน**

Sample No : W 65121207

Sample Name : Waste Water Inlet**

Sampling Date : 12/12/2022**

Sampling By : ETC**

Sampling Time : 10:20 AM**

Sampling Method : Grab**

Received Date : 13/12/2022

Tested Date : 13/12/2022 - 20/12/2022

Reported Date : 22/12/2022

Parameter	Unit	Method	Result
Biochemical Oxygen Demand #	mg/l	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	7.7
Chemical Oxygen Demand #	mg/l	Closed Reflux, Titrimetric Method (SM:5220C)	< 40
Oil and Grease @	mg/l	Partition-Gravimetric Method (SM:5520B)	< 3.0
pH (on site) *		Electrometric Method	8.0
Temperature *	°C	Laboratory and Field Method	33
Total Dissolved Solids #	mg/l	Dried at 180 C (SM:2540C)	1,188

Physical Appearance : 1. Sample : yellowish, lightly SS

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

Remark : 1. @ = 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.

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

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

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

Examined By :

(Miss Apiradee Chuen-arom)
(จ-003-ก-4377)
22/12/2022



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Mr. Kawee Suthasub)
(จ-003-ก-2205)
22/12/2022

Test Report

Request No : W6512328

Report No : 6512-1430

Customer : บริษัท เอ็กโก เอ็นจิเนียริง แอนด์ เซอร์วิส จำกัด

Address : 222 หมู่ 8 ตำบลมาบข่า อําเภอนิคมนพัฒนา จังหวัดระยอง 21180

Sampling Source : โรงไฟฟ้าเอ็กโก โกลเดน

Sample No : W 65121207

Sample Name : Waste Water Inlet

Sampling Date : 12/12/2022

Sampling By : ETC

Sampling Time : 10:20 AM

Sampling Method : Grab

Received Date : 13/12/2022

Tested Date : 13/12/2022 - 20/12/2022

Reported Date : 22/12/2022

Parameter	Unit	Method	Result
Total Solids	mg/l	Dried at 103-105 C (SM:2540B)	1,247

Physical Apperance : 1. Sample : yellowish, lightly SS

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

Remark : 1. Parameter Outside The Scope of The Registration of Department of Industrial Works

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

3. Sampling By Mr. Parkpoom Buasawad (จ-003-ก-7280)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By : 

(Miss Apiradee Chuen-arom)

22/12/2022

Test Report

Request No : W6507310

Report No : 6507-2175

Customer : บริษัท เอ็กโก เอ็นจิเนียริ่ง แอนด์ เซอร์วิส จำกัด**

Address : 222 หมู่ 8 ตำบลมาบข่า อำเภอนิคมพัฒนา จังหวัดระยอง 21180**

Sampling Source : โรงไฟฟ้าเอ็กโก โกลเด้น**

Sample No : W 65071280

Sample Name : Waste Water Outlet**

Sampling Date : 11/07/2022**

Sampling By : ETC**

Sampling Time : 10:25 AM**

Sampling Method : Grab**

Received Date : 12/07/2022

Tested Date : 12/07/2022 - 26/07/2022

Reported Date : 30/07/2022

Parameter	Unit	Method	Result	Standard/ ¹
Biochemical Oxygen Demand #	mg/l	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	6.6	≤20
Chemical Oxygen Demand #	mg/l	Closed Reflux, Titrimetric Method (SM:5220C)	< 40	≤120
Oil and Grease @	mg/l	Partition-Gravimetric Method (SM:5520B)	< 3.0	≤5
pH (on site) *		Electrometric Method	8.4	5.5-9.0
Temperature *	°C	Laboratory and Field Method	30	≤40
Total Dissolved Solids #	mg/l	Dried at 180 C (SM:2540C)	1,640	≤3000

Physical Apperance : 1. Sample : yellow, lightly SS

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

Remark : 1. /1 Industrial Effluent Standard , Notification of the Ministry of Industry , B.E. 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-ค-7279)*

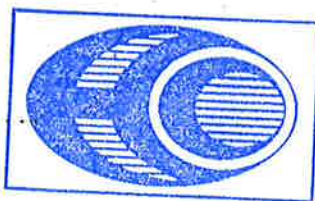
5. ** = These data are non laboratory data.

Examined By :

(Miss Apiradee Chuen-arom)

(จ-003-ค-4377)

30/07/2022



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Mr. Kawee Suthasub)

(จ-003-ค-2205)

30/07/2022

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
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Test Report

Request No : W6507310

Report No : 6507- 2175

Customer : บริษัท เอ็กโก เอ็นจิเนียริง แอนด์ เซอร์วิส จำกัด

Address : 222 หมู่ 8 ตำบลมาบข่า อำเภอนิคมน้ำจืด จังหวัดระยอง 21180

Sampling Source : โรงไฟฟ้าเอ็กโก โกลเดน

Sample No : W 65071280

Sample Name : Waste Water Outlet

Sampling Date : 11/07/2022

Sampling By : ETC

Sampling Time : 10:25 AM

Sampling Method : Grab

Received Date : 12/07/2022

Tested Date : 12/07/2022 - 26/07/2022

Reported Date : 30/07/2022

Parameter	Unit	Method	Result	Standard/ ¹
Total Solids	mg/l	Dried at 103-105 C (SM:2540B)	1,963	-

Physical Apperance : 1. Sample : yellow, lightly SS

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

Remark : 1. /1 Industrial Effluent Standard , Notification of the Ministry of Industry , B.E. 2560 (2017)

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

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

4. Sampling By Mr. Songpon Phiwan (๓-003-ค-7279)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By : 

(Miss Apiradee Chuen-arom)

30/07/2022

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

Test Report

Request No : W6508425

Report No : 6509-0148

Customer : บริษัท เอ็กโก เอ็นจิเนียริ่ง แอนด์ เซอร์วิส จำกัด**

Address : 222 หมู่ 8 ตำบลมาบข่า อำเภอนิคมน้ำจืด จังหวัดระยอง 21180**

Sampling Source : โรงไฟฟ้าเอ็กโก โกลเดน**

Sample No : W 65081548

Sample Name : Waste Water Outlet**

Sampling Date : 17/08/2022**

Sampling By : ETC**

Sampling Time : 10:30 AM**

Sampling Method : Grab**

Received Date : 18/08/2022

Tested Date : 18/08/2022 - 30/08/2022

Reported Date : 02/09/2022

Parameter	Unit	Method	Result	Standard ¹
Biochemical Oxygen Demand #	mg/l	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	2.3	≤20
Chemical Oxygen Demand #	mg/l	Closed Reflux, Titrimetric Method (SM:5220C)	< 40	≤120
Oil and Grease @	mg/l	Partition-Gravimetric Method (SM:5520B)	< 3.0	≤5
pH (on site) *		Electrometric Method	8.8	5.5-9.0
Temperature *	°C	Laboratory and Field Method	36	≤40
Total Dissolved Solids #	mg/l	Dried at 180 C (SM:2540C)	630	≤3000

Physical Appearance : 1. Sample : yellowish, lightly SS

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

Remark : 1. /1 Industrial Effluent Standard, Notification of the Ministry of Industry, B.E. 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 Pompinan Viriyakusolkul (จ-003-ท-8334)*

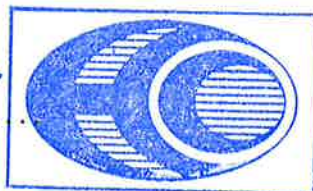
5. ** = These data are non laboratory data.

Examined By :

(Miss Apiradee Chuen-arom)

(จ-003-ท-4377)

02/09/2022



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Mr. Kawee Suthasub)

(จ-003-ท-2205)

02/09/2022

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

Test Report

Request No : W6508425

Report No : 6509-0148

Customer : บริษัท เอ็กโก เอ็นจิเนียริง แอนด์ เซอร์วิส จำกัด

Address : 222 หมู่ 8 ตำบลมาบข่า อำเภอนิคมพัฒนา จังหวัดระยอง 21180

Sampling Source : โรงไฟฟ้าเอ็กโก โกลเดน

Sample No : W 65081548

Sample Name : Waste Water Outlet

Sampling Date : 17/08/2022

Sampling By : ETC

Sampling Time : 10:30 AM

Sampling Method : Grab

Received Date : 18/08/2022

Tested Date : 18/08/2022 - 30/08/2022

Reported Date : 02/09/2022

Parameter	Unit	Method	Result	Standard ¹
Total Solids	mg/l	Dried at 103-105 C (SM:2540B)	776	-

Physical Appearance : 1. Sample : yellowish, lightly SS

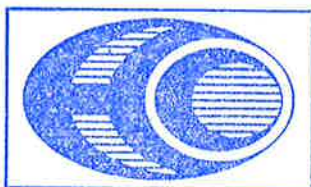
2. Container : Normal [PE 0.5 L, PE 1.0 L, PE 1.8 L, G 1.0 L]

Remark : 1. /1 Industrial Effluent Standard , Notification of the Ministry of Industry , B.E. 2560 (2017)

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

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

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



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By : 

(Miss Apiradee Chuen-arom)

02/09/2022

Test Report

Request No : W6509316

Report No : 6509-1798

Customer : บริษัท เอ็กโก เอ็นจิเนียริง แอนด์ เซอร์วิส จำกัด**

Address : 222 หมู่ 8 ตำบลมาบตา อำเภอนิคมน้ำจืด จังหวัดระยอง 21180**

Sampling Source : โรงไฟฟ้าเอ็กโก โกลด์**

Sample No : W 65091325

Sample Name : Waste Water Outlet**

Sampling Date : 12/09/2022**

Sampling By : ETC**

Sampling Time : 10:20 AM**

Sampling Method : Grab**

Received Date : 13/09/2022

Tested Date : 13/09/2022 - 24/09/2022

Reported Date : 27/09/2022

Parameter	Unit	Method	Result	Standard ¹
Biochemical Oxygen Demand #	mg/l	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	2.0	≤20
Chemical Oxygen Demand #	mg/l	Closed Reflux, Titrimetric Method (SM:5220C)	< 40	≤120
Oil and Grease @	mg/l	Partition-Gravimetric Method (SM:5520B)	< 3.0	≤5
pH (on site) *		Electrometric Method	8.7	5.5-9.0
Temperature *	°C	Laboratory and Field Method	35	≤40
Total Dissolved Solids #	mg/l	Dried at 180 C (SM:2540C)	452	≤3000

Physical Appearance : 1. Sample : lightly SS

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

Remark : 1. /1 Industrial Effluent Standard , Notification of the Ministry of Industry , B.E. 2560 (2017)

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

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

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

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

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

Examined By :

(Miss Apiradee Chuen-arom)
(จ-003-จ-4377)
27/09/2022



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Mr. Kawee Suthasub)
(จ-003-จ-2205)
27/09/2022

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
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Test Report

Request No : W6509316

Report No : 6509-1798

Customer : บริษัท เอ็กโก เอ็นจิเนียริง แอนด์ เซอร์วิส จำกัด

Address : 222 หมู่ 8 ตำบลมาบตา อำเภอนิคมพัฒนา จังหวัดระยอง 21180

Sampling Source : โรงไฟฟ้าเอ็กโก โกลเดน

Sample No : W 65091325

Sample Name : Waste Water Outlet

Sampling Date : 12/09/2022

Sampling By : ETC

Sampling Time : 10:20 AM

Sampling Method : Grab

Received Date : 13/09/2022

Tested Date : 13/09/2022 - 24/09/2022

Reported Date : 27/09/2022

Parameter	Unit	Method	Result	Standard ¹
Total Solids	mg/l	Dried at 103-105 C (SM:2540B)	487	-

Physical Appearance : 1. Sample : lightly SS

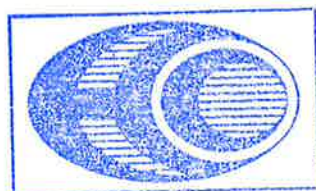
2. Container : Normal [PE 0.5 L, PE 1.0 L, PE 1.8 L, G 1.0 L]

Remark : 1. /1 Industrial Effluent Standard , Notification of the Ministry of Industry , B.E. 2560 (2017)

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

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

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



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By :

(Miss Apiradee Chuen-arom)

27/09/2022

Test Report

Request No : W6510570

Report No : 6511-0782

Customer : บริษัท เอ็กโก เอ็นจิเนียริง แอนด์ เซอร์วิส จำกัด**

Address : 222 หมู่ 8 ตำบลมาบตา อำเภอนิคมพัฒนา จังหวัดระยอง 21180**

Sampling Source : โรงไฟฟ้า เอ็กโก โกลด์**

Sample No : W 65102007

Sample Name : Waste Water Outlet**

Sampling Date : 26/10/2022**

Sampling By : ETC**

Sampling Time : 8:40 AM**

Sampling Method : Grab**

Received Date : 27/10/2022

Tested Date : 27/10/2022 - 02/11/2022

Reported Date : 10/11/2022

Parameter	Unit	Method	Result	Standard ¹
Biochemical Oxygen Demand #	mg/l	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	2.3	≤20
Chemical Oxygen Demand #	mg/l	Closed Reflux, Titrimetric Method (SM:5220C)	<40	≤120
Oil and Grease @	mg/l	Partition-Gravimetric Method (SM:5520B)	<3.0	≤5
pH (on site) *		Electrometric Method	8.5	5.5-9.0
Temperature *	°C	Laboratory and Field Method	31	≤40
Total Dissolved Solids #	mg/l	Dried at 180 C (SM:2540C)	1,544	≤3000

Physical Appearance : 1. Sample : yellow, lightly SS

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

Remark : 1. /1 Industrial Effluent Standard, Notification of the Ministry of Industry, B.E. 2560 (2017)

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

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

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

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

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

Examined By :

(Miss Apiradee Chuen-arom)

(ว-003-ก-4377)

10/11/2022



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Mr. Kawee Suthasub)

(ว-003-ก-2205)

10/11/2022

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
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Test Report

Request No : W6510570

Report No : 6511-0782

Customer : บริษัท เอ็กโก เอ็นจิเนียริง แอนด์ เซอร์วิส จำกัด

Address : 222 หมู่ 8 ตำบลมาบข่า อำเภอนิคมพัฒนา จังหวัดระยอง 21180

Sampling Source : โรงไฟฟ้าเอ็กโก โดเจน

Sample No : W 65102007

Sample Name : Waste Water Outlet

Sampling Date : 26/10/2022

Sampling By : ETC

Sampling Time : 8:40 AM

Sampling Method : Grab

Received Date : 27/10/2022

Tested Date : 27/10/2022 - 02/11/2022

Reported Date : 10/11/2022

Parameter	Unit	Method	Result	Standard/1
Total Solids	mg/l	Dried at 103-105 C (SM:2540B)	1,575	-

Physical Apperance : 1. Sample : yellow, lightly SS

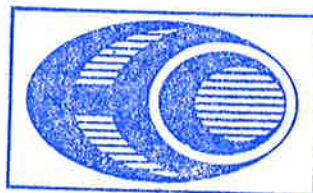
2. Container : Normal [PE 0.5 L, PE 1.0 L, PE 1.8 L, G 1.0 L]

Remark : 1. /I Industrial Effluent Standard , Notification of the Ministry of Industry , B.E. 2560 (2017)

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

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

4. Sampling By Mr. Parkpoom Buasawad (๖-003-ค-7280)



บริษัท อีสเทิร์นไทยคอนซัลติง 1992 จำกัด

Examined By :

(Miss Apiradee Chuen-arom)

10/11/2022

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
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Test Report

Request No : W6511361

Report No : 6511-2042

Customer : บริษัท เอ็กโก เอ็นจิเนียริง แอนด์ เซอร์วิส จำกัด**

Address : 222 หมู่ 8 ตำบลมาบข่า อำเภอนิคมน้ำจืด จังหวัดระยอง 21180**

Sampling Source : โรงไฟฟ้าเอ็กโก โกลด์**

Sample No : W 65111277

Sample Name : Waste Water Outlet**

Sampling Date : 14/11/2022**

Sampling By : ETC**

Sampling Time : 10:57 AM**

Sampling Method : Grab**

Received Date : 15/11/2022

Tested Date : 15/11/2022 - 23/11/2022

Reported Date : 28/11/2022

Parameter	Unit	Method	Result	Standard ¹
Biochemical Oxygen Demand #	mg/l	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	2.2	≤20
Chemical Oxygen Demand #	mg/l	Closed Reflux, Titrimetric Method (SM:5220C)	< 40	≤120
Oil and Grease @	mg/l	Partition-Gravimetric Method (SM:5520B)	< 3.0	≤5
pH (on site) *		Electrometric Method	7.9	5.5-9.0
Temperature *	°C	Laboratory and Field Method	30	≤40
Total Dissolved Solids #	mg/l	Dried at 180 °C (SM:2540C)	792	≤3000

Physical Appearance : 1. Sample : lightly SS

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

Remark : 1. /I Industrial Effluent Standard, Notification of the Ministry of Industry, B.E. 2560 (2017)

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

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

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

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

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

Examined By :

(Miss Apiradee Chuen-arom)

(จ-003-ค-4377)

28/11/2022



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Mr. Kawee Suthasub)

(จ-003-ค-2205)

28/11/2022

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
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Test Report

Request No : W6511361

Report No : 6511-2042

Customer : บริษัท เอ็กโก เอ็นจิเนียริ่ง แอนด์ เซอร์วิส จำกัด

Address : 222 หมู่ 8 ตำบลมาบข่า อําเภอนิคมพัฒนา จังหวัดระยอง 21180

Sampling Source : โรงไฟฟ้าเอ็กโก โคนเจน

Sample No : W 65111277

Sample Name : Waste Water Outlet

Sampling Date : 14/11/2022

Sampling By : ETC

Sampling Time : 10:57 AM

Sampling Method : Grab

Received Date : 15/11/2022

Tested Date : 15/11/2022 - 23/11/2022

Reported Date : 28/11/2022

Parameter	Unit	Method	Result	Standard ¹
Total Solids	mg/l	Dried at 103-105 C (SM:2540B)	980	-

Physical Apperance : 1. Sample : lightly SS

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

Remark : 1. /1 Industrial Effluent Standard , Notification of the Ministry of Industry , B.E. 2560 (2017)

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

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

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



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By :

(Miss Apiradee Chuen-arom)

28/11/2022

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
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Test Report

Customer : บริษัท เอ็กโก เอ็นจิเนียริง แอนด์ เซอร์วิส จำกัด**

Address : 222 หมู่ 8 ตำบลมาบตา อำเภอนิคมน้ำพัฒนา จังหวัดระยอง 21180**

Sampling Source : โรงไฟฟ้าเอ็กโก โกลเด้น**

Sample Name : Waste Water Outlet**

Sampling By : ETC**

Sampling Method : Grab**

Tested Date : 13/12/2022 - 20/12/2022

Sample No : W 65121208

Sampling Date : 12/12/2022**

Sampling Time : 10:10 AM**

Received Date : 13/12/2022

Reported Date : 22/12/2022

Request No : W6512328

Report No : 6512-1431

Parameter	Unit	Method	Result	Standard/1
Biochemical Oxygen Demand #	mg/l	5-Day BOD Test, Membrane Electrode Method (SM:5210B)	< 2.0	≤20
Chemical Oxygen Demand #	mg/l	Closed Reflux, Titrimetric Method (SM:5220C)	< 40	≤120
Oil and Grease @	mg/l	Partition-Gravimetric Method (SM:5520B)	< 3.0	≤5
pH (on site) *		Electrometric Method	8.3	5.5-9.0
Temperature *	°C	Laboratory and Field Method	32	≤40
Total Dissolved Solids #	mg/l	Dried at 180 C (SM:2540C)	1,000	≤3000

Physical Apperance : 1. Sample : yellowish, lightly SS

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

Remark : 1. /I Industrial Effluent Standard , Notification of the Ministry of Industry , B.E. 2560 (2017)

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

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

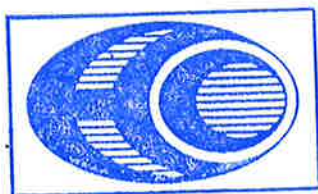
3. Miss Apiradee Chuen-arom is Section Head / Mr. Kawee Suthasub is Technical Management.

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

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

Examined By :

(Miss Apiradee Chuen-arom)
(ว-003-ก-4377)
22/12/2022



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By :

(Mr. Kawee Suthasub)
(ว-003-ก-2205)
22/12/2022

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY
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Test Report

Request No : W6512328

Report No : 6512-1431

Customer : บริษัท เอ็กโก เอ็นจิเนียริง แอนด์ เซอร์วิส จำกัด

Address : 222 หมู่ 8 ตำบลมาบข่า อําเภอนิคมพัฒนา จังหวัดระยอง 21180

Sampling Source : โรงไฟฟ้าเอ็กโก โคนเจน

Sample No : W 65121208

Sample Name : Waste Water Outlet

Sampling Date : 12/12/2022

Sampling By : ETC

Sampling Time : 10:10 AM

Sampling Method : Grab

Received Date : 13/12/2022

Tested Date : 13/12/2022 - 20/12/2022

Reported Date : 22/12/2022

Parameter	Unit	Method	Result	Standard ¹
Total Solids	mg/l	Dried at 103-105 C (SM:2540B)	1,074	-

Physical Apperance : 1. Sample : yellowish, lightly SS

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

Remark : 1. /1 Industrial Effluent Standard , Notification of the Ministry of Industry , B.E. 2560 (2017)

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

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

4. Sampling By Mr. Parkpoom Buasawad (๖-003-๓-7280)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Examined By : 

(Miss Apiradee Chuen-arom)

22/12/2022

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

TEST REPORT

CUSTOMER : Egco Engineering & Service Co.,Ltd.
ADDRESS : 222 Moo 8 T. Map kha A. Nikhom Pattana, Rayong 21180
SAMPLE SOURCE : Egco Engineering & Service Co.,Ltd.
SAMPLE POINT : Water Treatment System Control Room
PARAMETER*** : L_{eq} 1 hr. & L_{eq} 8 hr. SAMPLE NO. : 24486
DETERMINATION METHOD : ISO 11202:2010 MEASURING DATE : 30/08/2022
INSTRUMENT : Integrated Sound Level Meter RECEIVED DATE : 31/08/2022
S/N 00310458 : Type 2 REPORTED DATE : 06/09/2022

MEASURING TIME	RESULT ¹	RESULT ²	UNIT
09:15-10:15	78.6	78.6	dB(A)
10:15-11:15	78.6	78.6	dB(A)
11:15-12:15	78.6	78.6	dB(A)
12:15-13:15	78.6	78.6	dB(A)
13:15-14:15	78.5	78.5	dB(A)
14:15-15:15	78.7	78.7	dB(A)
15:15-16:15	78.5	78.5	dB(A)
16:15-17:15	78.8	78.8	dB(A)
L_{eq} 8 hr. (TWA)	78*	78**	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 Klinsopon is Section Head / Mrs. Wanpen Lhaochindawat is Technical Management)

(Measurement By Mr. Wattana Khotla)



บริษัท อีสเทิร์นไทยคอนซัลติง 1992 จำกัด

Approved By

(MRS. WANPEN LHAOCHINDAWAT)

06/09/2022

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY

THIS REPORT SHALL NOT REPRODUCED EXCEPT IN FULL

WITHOUT THE WRITTEN APPROVAL LABORATORY

Request No. LA65-R1192

Report No. R6511-3412

TEST REPORT

CUSTOMER : Egco Engineering & Service Co.,Ltd.
 ADDRESS : 222 Moo 8 T. Map kha A. Nikhom Pattana, Rayong 21180
 SAMPLE SOURCE : Egco Engineering & Service Co.,Ltd.
 SAMPLE POINT : Water Treatment System Control Room
 PARAMETER*** : L_{eq} 1 hr. & L_{eq} 8 hr. SAMPLE NO. : 34637
 DETERMINATION METHOD : ISO 11202:2010 MEASURING DATE : 21/11/2022
 INSTRUMENT : Integrated Sound Level Meter RECEIVED DATE : 21/11/2022
 S/N 00443358 : Type 2 REPORTED DATE : 03/12/2022

MEASURING TIME	RESULT ^{/1}	RESULT ^{/2}	UNIT
09:25-10:25	63.7	63.7	dB(A)
10:25-11:25	62.9	62.9	dB(A)
11:25-12:25	63.1	63.1	dB(A)
12:25-13:25	62.5	62.5	dB(A)
13:25-14:25	63.8	63.8	dB(A)
14:25-15:25	63.7	63.7	dB(A)
15:25-16:25	63.7	63.7	dB(A)
16:25-17:25	65.5	65.5	dB(A)
L_{eq} 8 hr. (TWA)	63*	63**	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. Pornnapa Phongphet)



บริษัท อีสเทิร์นไทยคอนซัลติ้ง 1992 จำกัด

Approved By

(MRS. WANPEN LHAOCHINDAWAT)

03/12/2022

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY

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WITHOUT THE WRITTEN APPROVAL LABORATORY

TEST REPORT

CUSTOMER : Egco Engineering & Service Co.,Ltd.
ADDRESS : 222 Moo 8 T. Map kha A. Nikhom Pattana, Rayong 21180
SAMPLE SOURCE : Egco Engineering & Service Co.,Ltd.
SAMPLE POINT : Control Room
PARAMETER*** : L_{eq} 1 hr. & L_{eq} 8 hr. SAMPLE NO. : 24485
DETERMINATION METHOD : ISO 11202:2010 MEASURING DATE : 30/08/2022
INSTRUMENT : Integrated Sound Level Meter RECEIVED DATE : 31/08/2022
S/N 01209914 : Type 2 REPORTED DATE : 06/09/2022

MEASURING TIME	RESULT ¹	RESULT ²	UNIT
09:15-10:15	63.1	63.1	dB(A)
10:15-11:15	63.0	63.0	dB(A)
11:15-12:15	62.9	62.9	dB(A)
12:15-13:15	62.9	62.9	dB(A)
13:15-14:15	63.2	63.2	dB(A)
14:15-15:15	62.6	62.6	dB(A)
15:15-16:15	61.8	61.8	dB(A)
16:15-17:15	63.1	63.1	dB(A)
L_{eq} 8 hr. (TWA)	62*	62**	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)

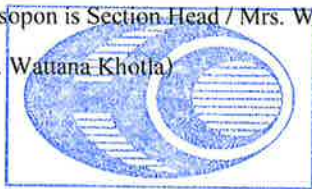
* Based on Criteria 85 dB(A); 3 dB Exchange Rate

** 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

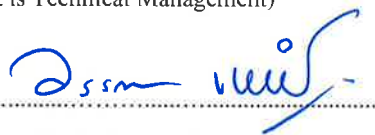
(Ms. Thanatporn Klinsopon is Section Head / Mrs. Wanpen Lhaochindawat is Technical Management)

(Measurement By Mr. Wattana Khotla)



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Approved By



(MRS. WANPEN LHAOCHINDAWAT)

06/09/2022

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Request No. LA65-R1192

Report No. R6511-3411

TEST REPORT

CUSTOMER : Egco Engineering & Service Co.,Ltd.
 ADDRESS : 222 Moo 8 T. Map kha A. Nikhom Pattana, Rayong 21180
 SAMPLE SOURCE : Egco Engineering & Service Co.,Ltd.
 SAMPLE POINT : Control Room
 PARAMETER*** : L_{eq} 1 hr. & L_{eq} 8 hr. SAMPLE NO. : 34636
 DETERMINATION METHOD : ISO 11202:2010 MEASURING DATE : 21/11/2022
 INSTRUMENT : Integrated Sound Level Meter RECEIVED DATE : 21/11/2022
 S/N 00310455 : Type 2 REPORTED DATE : 03/12/2022

MEASURING TIME	RESULT ^{/1}	RESULT ^{/2}	UNIT
09:30-10:30	63.3	63.3	dB(A)
10:30-11:30	62.1	62.1	dB(A)
11:30-12:30	62.7	62.7	dB(A)
12:30-13:30	64.4	64.4	dB(A)
13:30-14:30	68.4	68.4	dB(A)
14:30-15:30	65.5	65.5	dB(A)
15:30-16:30	61.8	61.8	dB(A)
16:30-17:30	61.3	61.3	dB(A)
L_{eq} 8 hr. (TWA)	64*	64**	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. Pornnapa Phongphet)



Approved By

(MRS. WANPEN LHAOCHINDAWAT)

03/12/2022

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EASTERN THAI CONSULTING 1992 CO., LTD.

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



Request No. LA65-R0907

Report No. R6509-0414

TEST REPORT

CUSTOMER : Egco Engineering & Service Co.,Ltd.
ADDRESS : 222 Moo 8 T. Map kha A. Nikhom Pattana, Rayong 21180
SAMPLE SOURCE : Egco Engineering & Service Co.,Ltd.
SAMPLE POINT : Maintenance Section Room
PARAMETER*** : L_{eq} 1 hr. & L_{eq} 8 hr. SAMPLE NO. : 24483
DETERMINATION METHOD : ISO 11202:2010 MEASURING DATE : 30/08/2022
INSTRUMENT : Integrated Sound Level Meter RECEIVED DATE : 31/08/2022
S/N 01209917 : Type 2 REPORTED DATE : 06/09/2022

MEASURING TIME	RESULT ^{/1}	RESULT ^{/2}	UNIT
09:00-10:00	51.7	51.7	dB(A)
10:00-11:00	50.8	50.8	dB(A)
11:00-12:00	46.1	46.1	dB(A)
12:00-13:00	47.8	47.8	dB(A)
13:00-14:00	49.7	49.7	dB(A)
14:00-15:00	50.3	50.3	dB(A)
15:00-16:00	52.1	52.1	dB(A)
16:00-17:00	48.3	48.3	dB(A)
L_{eq} 8 hr. (TWA)	49*	49**	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 Mr. Wattana Khotla)



Approved By

(MRS. WANPEN LHAOCHINDAWAT)

06/09/2022

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NSC-TISI-TIS 17025

TESTING 0031

Request No. LA65-R1192

Report No. R6511-3410

TEST REPORT

CUSTOMER : Egco Engineering & Service Co.,Ltd.
ADDRESS : 222 Moo 8 T. Map kha A. Nikhom Pattana, Rayong 21180
SAMPLE SOURCE : Egco Engineering & Service Co.,Ltd.
SAMPLE POINT : Maintenance Section Room
PARAMETER*** : L_{eq} 1 hr. & L_{eq} 8 hr. SAMPLE NO. : 34635
DETERMINATION METHOD : ISO 11202:2010 MEASURING DATE : 21/11/2022
INSTRUMENT : Integrated Sound Level Meter RECEIVED DATE : 21/11/2022
S/N 01147298 : Type 2 REPORTED DATE : 03/12/2022

MEASURING TIME	RESULT ^{/1}	RESULT ^{/2}	UNIT
09:05-10:05	49.5	49.5	dB(A)
10:05-11:05	45.8	45.8	dB(A)
11:05-12:05	47.4	47.4	dB(A)
12:05-13:05	45.2	45.2	dB(A)
13:05-14:05	50.0	50.0	dB(A)
14:05-15:05	46.9	46.9	dB(A)
15:05-16:05	48.3	48.3	dB(A)
16:05-17:05	46.4	46.4	dB(A)
L_{eq} 8 hr. (TWA)	47*	47**	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 Klinsopon is Section Head / Mrs. Wanpen Lhaochindawat is Technical Management)

(Measurement By Ms. Pornnapa Phongphed)



Approved By

(Signature)

(MRS. WANPEN LHAOCHINDAWAT)

03/12/2022

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TEST REPORT

CUSTOMER : Egco Engineering & Service Co.,Ltd.
ADDRESS : 222 Moo 8 T. Map kha A. Nikhom Pattana, Rayong 21180
SAMPLE SOURCE : Egco Engineering & Service Co.,Ltd.
SAMPLE POINT : Workshop
PARAMETER*** : L_{eq} 1 hr. & L_{eq} 8 hr. SAMPLE NO. : 24484
DETERMINATION METHOD : ISO 11202:2010 MEASURING DATE : 30/08/2022
INSTRUMENT : Integrated Sound Level Meter RECEIVED DATE : 31/08/2022
S/N 00443357 : Type 2 REPORTED DATE : 06/09/2022

MEASURING TIME	RESULT ¹	RESULT ²	UNIT
09:05-10:05	54.0	54.0	dB(A)
10:05-11:05	53.1	53.1	dB(A)
11:05-12:05	58.4	58.4	dB(A)
12:05-13:05	49.2	49.2	dB(A)
13:05-14:05	54.8	54.8	dB(A)
14:05-15:05	52.9	52.9	dB(A)
15:05-16:05	51.9	51.9	dB(A)
16:05-17:05	50.5	50.5	dB(A)
L_{eq} 8 hr. (TWA)	53*	53**	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 Mr. Wattana Khotla)



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Approved By 

(MRS. WANPEN LHAOCHINDAWAT)

06/09/2022

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NSC-TISI-TIS 17025

TESTING 0031

Request No. LA65-R1192

Report No. R6511-3409

TEST REPORT

CUSTOMER : Egco Engineering & Service Co.,Ltd.
ADDRESS : 222 Moo 8 T. Map kha A. Nikhom Pattana, Rayong 21180
SAMPLE SOURCE : Egco Engineering & Service Co.,Ltd.
SAMPLE POINT : Workshop
PARAMETER*** : L_{eq} 1 hr. & L_{eq} 8 hr. SAMPLE NO. : 34634
DETERMINATION METHOD : ISO 11202:2010 MEASURING DATE : 21/11/2022
INSTRUMENT : Integrated Sound Level Meter RECEIVED DATE : 21/11/2022
S/N 00646443 : Type 2 REPORTED DATE : 03/12/2022

MEASURING TIME	RESULT ^{/1}	RESULT ^{/2}	UNIT
09:10-10:10	56.0	56.0	dB(A)
10:10-11:10	59.4	59.4	dB(A)
11:10-12:10	58.8	58.8	dB(A)
12:10-13:10	60.3	60.3	dB(A)
13:10-14:10	54.4	54.4	dB(A)
14:10-15:10	56.8	56.8	dB(A)
15:10-16:10	54.4	54.4	dB(A)
16:10-17:10	54.2	54.2	dB(A)
L_{eq} 8 hr. (TWA)	57*	57**	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 Klinsopon is Section Head / Mrs. Wanpen Lhaochindawat is Technical Management)

(Measurement By Ms. Pornnapha Phongphet)



Approved By

(MRS. WANPEN LHAOCHINDAWAT)

03/12/2022

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