

ANALYSIS REPORT

Analysis No. : Lab-S 175/2566

Job No. : PCL 0864/66

Report Date : June 21, 2023

Customer Name : บริษัท ไทยพรีเมียมไฟฟ้า จำกัด
Address : เลขที่ 45 หมู่ที่ 2 ตำบลชัยมงคล อำเภอเมือง จังหวัดสมุทรสาคร 74000
Sampling Source : Wet scrubber TU 1687
GPS. Coordinate : UTM 47P 0627751 E, 1695559 N
Air Pollution Control System : -
Sampling Time : 09:00 a.m. - 09:30 a.m.
Sampling Condition : Good
Sampling Method : US. EPA. Method
Sampling By : Mr. Ocha Booncherd License No. ๖-272-ค-7701
Analyzed By : Ms. Anothai Suebnueang License No. ๖-272-จ-7904

Fuel Type : Non
Sampling Date : June 1, 2023
Received Date : June 2, 2023
Analytical Date : June 2, 2023
Sample ID No. : 074/06/66

Item	Description	Unit	Method of Analysis	Result	Standard ^{1/}	Evaluation ^{1/}
1.	Stack Height	m	Measuring Tape	10.00	-	-
2.	Stack Diameter	m	Measuring Tape	0.20	-	-
3.	Temperature in Stack	°C	US. EPA Method 2	36.00	-	-
4.	Pressure Stack	mm.Hg	US. EPA Method 2	755.24	-	-
5.	Air Velocity	m/s	US. EPA Method 2	22.89	-	-
6.	Flow Rate	m ³ /s	US. EPA Method 2	0.72	-	-
7.	Oxygen Rate	%	US. EPA Method 3	20.90	-	-
8.	Carbon dioxide Rate	%	US. EPA Method 3	<0.10	-	-
9.	Moisture Rate	%	US. EPA Method 4	3.05	-	-
10.	Percent of Isokinetic Rate	%	US. EPA Method 5	91.36	-	-
11.	Particulate ^{2/}	mg/m ³	Isokinetic Sampling, Gravimetric Method	15.20	≤400	pass
12.	Sulfur dioxide ^{2/}	ppm	Absorption Sampling, Barium-Thorin Titrimetric Method	<1.3	≤500	pass
13.	Oxide of Nitrogen as Nitrogen dioxide ^{2/}	ppm	Absorption Sampling, Phenoldisulfonic Acid Method	<3.8	-	-
14.	Carbon monoxide ^{2/}	ppm	Instrumental Analyzer Method	1.70	≤870	pass

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



(Mr. Rnus Fakto)

Lab. Supervisor No. ๖-272-ค-7699

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Sampling Source : Wet scrubber TU 954
GPS. Coordinate : UTM 47P 0627855 E, 1495606 N
Air Pollution Control System : Wet scrubber
Sampling Time : 01:05 p.m. - 01:35 p.m.
Sampling Condition : Good
Sampling Method : US. EPA. Method
Sampling By : Mr. Ocha Booncherd License No. 3-272-ก-7701
Analyzed By : Ms. Anothai Suebnueang License No. 3-272-จ-7904

Fuel Type : Non
Sampling Date : June 1, 2023
Received Date : June 2, 2023
Analytical Date : June 2, 2023
Sample ID No. : 075/06/66

Item	Description	Unit	Method of Analysis	Result	Standard ^{1/}	Evaluation ^{1/}
1.	Stack Height	m	Measuring Tape	10.00	-	-
2.	Stack Diameter	m	Measuring Tape	0.40	-	-
3.	Temperature in Stack	°C	US. EPA Method 2	40.00	-	-
4.	Pressure Stack	mm.Hg	US. EPA Method 2	760.82	-	-
5.	Air Velocity	m/s	US. EPA Method 2	13.63	-	-
6.	Flow Rate	m ³ /s	US. EPA Method 2	1.71	-	-
7.	Oxygen Rate	%	US. EPA Method 3	20.90	-	-
8.	Carbon dioxide Rate	%	US. EPA Method 3	<0.10	-	-
9.	Moisture Rate	%	US. EPA Method 4	3.06	-	-
10.	Percent of Isokinetic Rate	%	US. EPA Method 5	95.70	-	-
11.	Particulate ^{2/}	mg/m ³	Isokinetic Sampling, Gravimetric Method	6.40	≤400	pass
12.	Sulfur dioxide ^{2/}	ppm	Absorption Sampling, Barium-Thorin Titrimetric Method	<1.3	≤500	pass
13.	Oxide of Nitrogen as Nitrogen dioxide ^{2/}	ppm	Absorption Sampling, Phenoldisulfonic Acid Method	<3.8	-	-
14.	Carbon monoxide ^{2/}	ppm	Instrumental Analyzer Method	1.59	≤870	pass

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(Mr. Rnus Fakto)

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 Sampling Source : ปล่อง Line ฟันสี
 GPS. Coordinate : UTM 47P 0627445 E, 1495589 N
 Air Pollution Control System : -
 Sampling Time : 10:45 a.m. - 11:55 a.m.
 Sampling Condition : Good
 Sampling Method : US. EPA. Method
 Sampling By : Mr. Ocha Booncherd License No. 3-272-ค-7701
 Analyzed By : Pacific Laboratory Co., Ltd./Emex Association Co., Ltd.

Fuel Type : Non

Sampling Date : June 1, 2023

Received Date : June 2, 2023

Analytical Date : June 2, 2023

Sample ID No. : 076/06/66

Item	Description	Unit	Method of Analysis	Result	Standard ^{1/}	Evaluation ^{1/}
1.	Stack Height	m	Measuring Tape	3.00	-	-
2.	Stack Diameter	m	Measuring Tape	0.50x0.60	-	-
3.	Temperature in Stack	°C	US. EPA Method 2	33.00	-	-
4.	Pressure Stack	mm.Hg	US. EPA Method 2	757.10	-	-
5.	Air Velocity	m/s	US. EPA Method 2	7.02	-	-
6.	Flow Rate	m ³ /s	US. EPA Method 2	2.11	-	-
7.	Oxygen Rate	%	US. EPA Method 3	20.90	-	-
8.	Carbon dioxide Rate	%	US. EPA Method 3	<0.10	-	-
9.	Moisture Rate	%	US. EPA Method 4	3.06	-	-
10.	Percent of Isokinetic Rate	%	US. EPA Method 5	104.16	-	-
11.	Particulate ^{2/}	mg/m ³	Isokinetic Sampling, Gravimetric Method	3.40	≤400	pass
12.	Lead ^{2/}	mg/m ³	Isokinetic Sampling, Digestion, Inductively Coupled Plasma Method	0.020 ^{3/}	≤30	pass
13.	Cadmium ^{2/}	mg/m ³	Isokinetic Sampling, Digestion, Inductively Coupled Plasma Method	0.009 ^{3/}	-	-
14.	Mercury ^{2/}	mg/m ³	Isokinetic Sampling, Digestion, Cold-Vapor Atomic Absorption Spectrometric Method	0.006 ^{3/}	≤3	pass
15.	Chromium ⁶⁺ as Chromium ^{2/}	mg/m ³	Isokinetic Sampling, Digestion, Inductively Coupled Plasma Method	0.004 ^{3/}	-	-

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2. ^{2/} Reference condition is 25 degree Celsius at 1 Atmosphere and Dry Basis

3. ^{3/} Analyzed by Emex Association Co., Ltd. Registered Laboratory No. 3-244



(Mr. Rnus Fakto)

Lab. Supervisor No. 3-272-ค-7699

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1.	Stack Height	m	Measuring Tape	3.00	-	-
2.	Stack Diameter	m	Measuring Tape	0.50x0.60	-	-
3.	Temperature in Stack	°C	US. EPA Method 2	33.00	-	-
4.	Pressure Stack	mm.Hg	US. EPA Method 2	757.10	-	-
5.	Air Velocity	m/s	US. EPA Method 2	7.02	-	-
6.	Flow Rate	m ³ /s	US. EPA Method 2	2.11	-	-
7.	Oxygen Rate	%	US. EPA Method 3	20.90	-	-
8.	Carbon dioxide Rate	%	US. EPA Method 3	<0.10	-	-
9.	Moisture Rate	%	US. EPA Method 4	3.06	-	-
10.	Ethylene glycol butyl ether ^{2/}	ppm	Adsorption Sampling, Gas Chromatographic Method	<0.010	-	-
11.	Methyl ethyl ketone ^{2/}	ppm	Adsorption Sampling, Gas Chromatographic Method	<0.010	-	-
12.	Oil mist ^{2/}	mg/m ³	Isokinetic Sampling, Gravimetric Method	<0.1	-	-

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PACIFIC LABORATORY CO., LTD.
 (Mr. Rnus Fakto)
 Lab. Supervisor
 PCL