



Relative Accuracy Test Audit Report

Report to: Siam Synthetic Latex Co., Ltd.

10/1 Moo 2, Asia Industrial Estate, Tambol

Banchang, Amphur Banchang, Rayong 21130

Attn: Komgrit Chaladtham

Phone: 0-3892-5614

Fax: -

Email: CKomgrit@dow.com

Project Name : Environmental Quality

Monitoring

Location : AIE_SSLC-SE Plant

P/O : 4506941933

CC : Pinpinat Chaiyadej

CC Email : PPChaiyadej@dow.com

Lot ID: 1870489

Date Received: Sep 06, 2018

Date Reported: Nov 26, 2018

Report Number: 1182724-3

Sampling by : Apisit Singha

Page 1 of 3

Reference Number 1870489-1
Sample Description Emission from Stationary Source_CEMs Audit
Location Furnace (GPS 47P 0727375, 1404806)
RATA Test for NOx
Sampling Date Sep 05, 2018
Reference Method US EPA Method 7E

Run No.	Date	Time		Raw Data at Actual O2		Corrected Value at 7% O2		Difference
		Start	Stop	CEMs (ppm)	RM (ppm)	CEMs (ppm)	RM (ppm)	
1	5-Sep-18	11:00	11:20	11.40	9.50	8.88	7.61	-1.26
2	5-Sep-18	11:21	11:41	11.59	9.84	8.99	7.87	-1.12
3	5-Sep-18	11:42	12:02	11.53	9.85	8.95	7.88	-1.07
4	5-Sep-18	12:03	12:23	11.71	9.93	9.10	7.94	-1.16
5	5-Sep-18	12:24	12:44	12.00	10.08	9.36	8.08	-1.28
6	5-Sep-18	12:45	13:05	11.88	10.04	9.24	8.04	-1.20
7	5-Sep-18	13:06	13:26	11.80	9.87	9.18	7.89	-1.28
8*	5-Sep-18	13:27	13:47	11.90	9.85	9.26	7.89	-1.37
9*	5-Sep-18	13:48	14:08	12.12	10.03	9.52	8.10	-1.42
10*	5-Sep-18	14:09	14:29	12.16	10.39	9.61	8.28	-1.33
11	5-Sep-18	14:30	14:50	12.18	10.66	9.58	8.35	-1.23
12	5-Sep-18	14:51	15:11	12.00	10.50	9.42	8.22	-1.21
Average						9.19	7.99	-1.20
Confidence Coefficient (CC)								0.06
Relative Accuracy ^{1/} (Compared with RM) (%)								15.73
Relative Accuracy Criteria ^{1/} (Compared with RM)								≤ 20%

Remark: * Sample with * is a rejected data

^{1/} Relative Accuracy Criteria of NOx is refer to 40 CFR Part 60 Appendix B : Performance Specification Test 2 (PS-2)

RA Result is within Criteria

Technical Management

Wichan Choonharat

Assistant Manager

ทะเบียนเลขที่ ว-204-ค-6113

Approved by

Sarayuth Jittranont

Acting General Manager

ทะเบียนเลขที่ ว-204-ค-4702

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Reference Number 1870489-1
Sample Description Emission from Stationary Source_CEMs Audit
Location Furnace (GPS 47P 0727375, 1404806)
RATA Test for CO
Sampling Date Sep 05, 2018
Reference Method US EPA Method 10

Run No.	Date	Time		Raw Data at Actual O2		Corrected Value at 7% O2		Difference
		Start	Stop	CEMs (ppm)	RM (ppm)	CEMs (ppm)	RM (ppm)	
1	5-Sep-18	11:00	11:20	0.28	1.64	0.22	1.32	1.10
2	5-Sep-18	11:21	11:41	0.40	2.03	0.31	1.62	1.32
3	5-Sep-18	11:42	12:02	0.31	2.33	0.24	1.86	1.62
4	5-Sep-18	12:03	12:23	0.53	2.71	0.41	2.17	1.75
5	5-Sep-18	12:24	12:44	0.20	3.07	0.16	2.46	2.31
6	5-Sep-18	12:45	13:05	0.11	3.30	0.09	2.64	2.56
7	5-Sep-18	13:06	13:26	0.30	3.39	0.23	2.71	2.48
8*	5-Sep-18	13:27	13:47	0.00	3.68	0.00	2.95	2.95
9	5-Sep-18	13:48	14:08	0.11	3.59	0.09	2.90	2.81
10	5-Sep-18	14:09	14:29	0.21	3.70	0.17	2.95	2.78
11*	5-Sep-18	14:30	14:50	0.11	3.81	0.09	2.98	2.89
12*	5-Sep-18	14:51	15:11	0.11	3.83	0.09	3.00	2.91
Average						0.21	2.29	2.08
Confidence Coefficient (CC)								0.50
Relative Accuracy ^{1/} (Compared with Emission Standard : 690 ppm) (%)								0.37
Relative Accuracy Criteria ^{2/} (Compared with Emission Standard :690 ppm)								≤ 5%

Remark: * Sample with * is a rejected data

^{1/} Relative Accuracy Criteria of CO is refer to 40 CFR Part 60 Appendix B : Performance Specification Test 4 (PS-4)

^{2/} Emission Standard according to Notification of the Ministry of Industry 2006 (B.E.2549)

RA Result is within Criteria

Technical Management

Wichan Choonharat

Assistant Manager

ทะเบียนเลขที่ ว-204-ค-6113

Approved by

Sarayuth Jittranont

Acting General Manager

ทะเบียนเลขที่ ว-204-ค-4702

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Location Furnace (GPS 47P 0727375, 1404806)
RATA Test for O2
Sampling Date Sep 05, 2018
Reference Method US EPA Method 3A

Run No.	Date	Time		Raw Data at Actual		Difference
		Start	Stop	CEMs (%)	RM (%)	
1*	5-Sep-18	11:00	11:20	3.05	3.56	0.52
2*	5-Sep-18	11:21	11:41	2.98	3.52	0.54
3*	5-Sep-18	11:42	12:02	2.99	3.52	0.53
4	5-Sep-18	12:03	12:23	3.02	3.53	0.51
5	5-Sep-18	12:24	12:44	3.07	3.56	0.49
6	5-Sep-18	12:45	13:05	3.03	3.54	0.51
7	5-Sep-18	13:06	13:26	3.02	3.52	0.50
8	5-Sep-18	13:27	13:47	3.05	3.56	0.50
9	5-Sep-18	13:48	14:08	3.20	3.69	0.49
10	5-Sep-18	14:09	14:29	3.30	3.46	0.16
11	5-Sep-18	14:30	14:50	3.22	3.14	-0.08
12	5-Sep-18	14:51	15:11	3.19	3.13	-0.07
Average				3.12	3.46	0.34
Confidence Coefficient (CC)						-
Relative Accuracy ^{1/} (Compared in Actual) (%)						0.34
Relative Accuracy Criteria (%)						≤ 1%

Remark: * Sample with * is a rejected data

^{1/} Relative Accuracy Criteria of O2 is refer to 40 CFR Part 60 Appendix B : Performance Specification Test 3 (PS-3)

RA Result is within Criteria

Technical Management

Wichan Choonharat
Assistant Manager

ทะเบียนเลขที่ ว-204-ค-6113

Approved by

Sarayuth Jittrantont
Acting General Manager

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