ภาคผนวก ค

รายงานผลการวิเคราะห์คุณภาพสิ่งแวดล้อม

Thai Environmental Technic Limited
บริษัท เทคนิคสิ่งแวดล้อมไทย จำกัด

1/6 Soi Ramkhamhaeng 145, Khwaeng / Khet Saphansung, Bangkok 10240
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E-mail : admin@tet1995.com
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ORIGINAL
ต้นฉบับ

TEST REPORT

Analysis No. : R23-3192
Received Date : 10/10/23
Customer : Technical Division of Thai Environmental Technic Limited
For THAI ENGINEERING PRODUCTS CO., LTD.
Address : 101/90 Moo 20 Navanakorn Industrial Estate, Phaholyothin Road, Khlong Nueng, Khlong Luang, Pathum Thani 12120
Contact : Tel. (02) 909 1724-33 # 6315 Fax. (02) 909 1724-33 # 6106

Report Date : 26/10/23
Analysis Date : 09-16/10/23
Job No. : S660327/Oct
Sampling By : TET
Type of Sample : Stack

Sampling Conditions :

Item	Description	Unit	Result	
			Melting	
			2310-AS0331	2310-AS0332
			Bag Filter No. 2 (J, K, F, G) (Inlet)	Bag Filter No. 2 (Outlet)
1	Sampling Date	-	09/10/23	09/10/23
2	Stack Diameter	m.	Ø 0.85	Ø 0.90
3	Temperature(1)	°C	92	61
4	Stack Gas Velocity(1)	m/s	14.4	11.2
5	Flow Rate(1)	m^3/s	8.2	7.1
6	Flow Rate(2)	Nm^3/s	6.5	6.3
7	Moisture Content(1)	%	1.81	0.88
8	O_2 Rate(1), dry basis	%	17.6	19.4
9	CO_2 Rate(1), dry basis	%	2.1	1.2
10	Absolute Stack Pressure(1)	mm.Hg	754.6	757.3

Parameter	Unit	Method	Result			Standard (With Combustion)		Analysis Date
			Melting					
			2310-AS0331	2310-AS0332				
			Bag Filter No. 2 (J, K, F, G) (Inlet) *	Bag Filter No. 2 (Outlet)		(A)	(B)	
Particulate(2)	mg/Nm^3	Isokinetic, Gravimetric Method (US.EPA Method 5, Dec 07, 2020)	6.4	4.6	0.0288 (g/s)	240	0.0324 (g/s)	10-12/10/23
Al(2)	mg/Nm^3	Isokinetic, Digestion, ICP-OES Method (US.EPA Method 29, Aug 02, 2017)	0.64	0.51	0.00317 (g/s)	-	0.00051 (g/s)	16/10/23
NO_x as NO_2(2)	ppm	Instrument Analyzer Method (US.EPA Method 7E, Oct 07, 2020)	22.20	5.00	0.0591 (g/s)	200	0.0139 (g/s)	09/10/23
CO(2)	ppm	NDIR Method (US.EPA Method 10, Aug 02, 2017)	38	6	-	690	-	09/10/23

Remarks : Bag Filter No. 2 (J, K, F, G) (Inlet) = 47P 0671812 UTM 1562028
Bag Filter No. 2 (Outlet) = 47P 0671808 UTM 1562036
(1) Flue conditions
(2) The concentrations of air emissions and emission rate are based on the reference condition of 25 °C at 1 atm or 760 mm.Hg and dry basis. (open system)

Standard (A) Notification of the Ministry of Industry (2006) (B.E. 2549) and Notification of the Ministry of Natural Resources and Environment (2006) (B.E. 2549)
(B) According to Specified Requirement Environmental Impact Assessment of Thai Engineering Products Co., Ltd. (2009) (B.E. 2552)
Source : NG
* Inlet no established standard

Reviewed by
Ms. Wareerut Prachumdaeng
Chief of Laboratory
26/10/23

Approved by
Mrs. Porntip Pethshee
Laboratory Manager
26/10/23

บริษัท เทคนิคสิ่งแวดล้อมไทย จำกัด Thai Environmental Technic Limited

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ORIGINAL
ต้นฉบับ

TEST REPORT

Analysis No. : R23-3192/DIW
Received Date : 10/10/23
Customer : Technical Division of Thai Environmental Technic Limited
For THAI ENGINEERING PRODUCTS CO., LTD.
Address : 101/90 Moo 20 Navanakorn Industrial Estate, Phaholyothin Road, Khlong Nueng, Khlong Luang, Pathum Thani 12120
Contact : Tel. (02) 909 1724-33 # 6315 Fax. (02) 909 1724-33 # 6106

Report Date : 26/10/23
Analysis Date : 09-12/10/23
Job No. : S660327/Oct
Sampling By : Mr. Suchart Sriboon
Registration Number : ว-236-จ-0011
Type of Sample : Stack

Sampling Conditions :

Item	Description	Unit	Result		
			Melting		
			2310-AS0332		
			Bag Filter No. 2 (Outlet)		
1	Sampling Date	-	09/10/23		
2	Stack Diameter	m.	Ø 0.90		
3	Temperature(1)	°C	61		
4	Stack Gas Velocity(1)	m/s	11.2		
5	Flow Rate(1)	m^3/s	7.1		
6	Flow Rate(2)	Nm^3/s	6.3		
7	Moisture Content(1)	%	0.88		
8	O_2 Rate(1), dry basis	%	19.4		
9	CO_2 Rate(1), dry basis	%	1.2		
10	Absolute Stack Pressure(1)	mm.Hg	757.3		

Parameter	Unit	Method	Result	Standard (With Combustion)	Analysis Date
			Melting		
			2310-AS0332		
			Bag Filter No. 2 (Outlet)		
Particulate(2)	mg/Nm^3	Isokinetic, Gravimetric Method (US.EPA Method 5, Dec 07, 2020)	4.6	240	10-12/10/23
NO_x as NO_2(2)	ppm	Instrument Analyzer Method (US.EPA Method 7E, Oct 07, 2020)	5.00	200	09/10/23
CO(2)	ppm	NDIR Method (US.EPA Method 10, Aug 02, 2017)	6	690	09/10/23

Remarks : Bag Filter No. 2 (Outlet) = 47P 0671808 UTM 1562036
(1) Flue conditions
(2) The concentrations of air emissions and emission rate are based on the reference condition of 25 °C at 1 atm or 760 mm.Hg and dry basis, (open system)

Standard : Notification of the Ministry of Industry (2006) (B.E. 2549)
Source : NG

Reviewed by
Ms. Wareerut Prachumdaeng
Chief of Laboratory
ว-236-ก-0002
26/10/23

Approved by
Mrs. Porntip Pethshee
Laboratory Manager
ว-236-ก-0003
26/10/23

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ORIGINAL
ต้นฉบับ

TEST REPORT

Analysis No. : R23-3192
Received Date : 10/10/23
Customer : Technical Division of Thai Environmental Technic Limited
For THAI ENGINEERING PRODUCTS CO., LTD.
Address : 101/90 Moo 20 Navanakorn Industrial Estate, Phaholyothin Road, Khlong Nueng, Khlong Luang, Pathum Thani 12120
Contact : Tel. (02) 909 1724-33 # 6315 Fax. (02) 909 1724-33 # 6106

Report Date : 26/10/23
Analysis Date : 09-16/10/23
Job No. : S660327/Oct
Sampling By : TET
Type of Sample : Stack

Sampling Conditions :

Item	Description	Unit	Result	
			Melting	
			2310-AS0333	2310-AS0334
			Bag Filter No. 3 (C, D, E, H, I) (Inlet)	Bag Filter No. 3 (Outlet)
1	Sampling Date	-	09/10/23	09/10/23
2	Stack Diameter	m.	Ø 0.85	Ø 0.90
3	Temperature(1)	°C	85	56
4	Stack Gas Velocity(1)	m/s	13.5	10.5
5	Flow Rate(1)	m^3/s	7.7	6.7
6	Flow Rate(2)	Nm^3/s	6.2	6.0
7	Moisture Content(1)	%	1.56	0.94
8	O_2 Rate(1), dry basis	%	18.0	20.2
9	CO_2 Rate(1), dry basis	%	1.8	< 1.0
10	Absolute Stack Pressure(1)	mm.Hg	754.6	757.3

Parameter	Unit	Method	Result			Standard (With Combustion)		Analysis Date
			Melting					
			2310-AS0333	2310-AS0334				
			Bag Filter No. 3 (C, D, E, H, I) (Inlet) *	Bag Filter No. 3 (Outlet)		(A)	(B)	
Particulate(2)	mg/Nm^3	Isokinetic, Gravimetric Method (US.EPA Method 5, Dec 07, 2020)	8.4	3.8	0.0226 (g/s)	240	0.0324 (g/s)	10-12/10/23
Al(2)	mg/Nm^3	Isokinetic, Digestion, ICP-OES Method (US.EPA Method 29, Aug 02, 2017)	1.16	0.96	0.00575 (g/s)	-	0.00051 (g/s)	16/10/23
NO_x as NO_2(2)	ppm	Instrument Analyzer Method (US.EPA Method 7E, Oct 07, 2020)	10.80	3.00	0.0337 (g/s)	200	0.0139 (g/s)	09/10/23
CO(2)	ppm	NDIR Method (US.EPA Method 10, Aug 02, 2017)	34	9	-	690	-	09/10/23

Remarks : Bag Filter No. 3 (C, D, E, H, I) (Inlet) = 47P 0671812 UTM 1562060
Bag Filter No. 3 (Outlet) = 47P 0671808 UTM 1562053
(1) Flue conditions
(2) The concentrations of air emissions and emission rate are based on the reference condition of 25 °C at 1 atm or 760 mm.Hg and dry basis. (open system)

Standard (A) Notification of the Ministry of Industry (2006) (B.E. 2549) and Notification of the Ministry of Natural Resources and Environment (2006) (B.E. 2549)
(B) According to Specified Requirement Environmental Impact Assessment of Thai Engineering Products Co., Ltd. (2009) (B.E. 2552)
Source ; NG
* Inlet no established standard

Reviewed by
Ms. Wareerut Prachumdaeng
Chief of Laboratory
26/10/23

Approved by
Mrs. Porntip Pethshee
Laboratory Manager
26/10/23

Thai Environmental Technic Limited

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ORIGINAL
ต้นฉบับ

TEST REPORT

Analysis No. : R23-3192/DIW
Received Date : 10/10/23
Customer : Technical Division of Thai Environmental Technic Limited
For THAI ENGINEERING PRODUCTS CO., LTD.
Address : 101/90 Moo 20 Navanakorn Industrial Estate, Phaholyothin Road, Khlong Nueng, Khlong Luang, Pathum Thani 12120
Contact : Tel. (02) 909 1724-33 # 6315 Fax. (02) 909 1724-33 # 6106

Report Date : 26/10/23
Analysis Date : 09-12/10/23
Job No. : S660327/Oct
Sampling By : Mr. Suchart Sriboon
Registration Number : ว-236-จ-0011
Type of Sample : Stack

Sampling Conditions :

Item	Description	Unit	Result		
			Melting		
			2310-AS0334		
			Bag Filter No. 3 (Outlet)		
1	Sampling Date	-	09/10/23		
2	Stack Diameter	m.	Ø 0.90		
3	Temperature(1)	°C	56		
4	Stack Gas Velocity(1)	m/s	10.5		
5	Flow Rate(1)	m^3/s	6.7		
6	Flow Rate(2)	Nm^3/s	6.0		
7	Moisture Content(1)	%	0.94		
8	O_2 Rate(1), dry basis	%	20.2		
9	CO_2 Rate(1), dry basis	%	< 1.0		
10	Absolute Stack Pressure(1)	mm.Hg	757.3		

Parameter	Unit	Method	Result	Standard (With Combustion)	Analysis Date
			Melting		
			2310-AS0334		
			Bag Filter No. 3 (Outlet)		
Particulate(2)	mg/Nm^3	Isokinetic, Gravimetric Method (US.EPA Method 5, Dec 07, 2020)	3.8	240	10-12/10/23
NO_x as NO_2(2)	ppm	Instrument Analyzer Method (US.EPA Method 7E, Oct 07, 2020)	3.00	200	09/10/23
CO(2)	ppm	NDIR Method (US.EPA Method 10, Aug 02, 2017)	9	690	09/10/23

Remarks : Bag Filter No. 3 (Outlet) = 47P 0671808 UTM 1562053
(1) Flue conditions
(2) The concentrations of air emissions and emission rate are based on the reference condition of 25 °C at 1 atm or 760 mm.Hg and dry basis, (open system)

Standard : Notification of the Ministry of Industry (2006) (B.E. 2549)
Source ; NG

Reviewed by
Ms. Wareerut Prachumdaeng
Chief of Laboratory
ว-236-ก-0002
26/10/23

Approved by
Mrs. Porntip Pethshee
Laboratory Manager
ว-236-ก-0003
26/10/23

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ORIGINAL
ต้นฉบับ

TEST REPORT

Analysis No. : R23-3192
Received Date : 06/10/23
Customer : Technical Division of Thai Environmental Technic Limited
For THAI ENGINEERING PRODUCTS CO., LTD.
Address : 101/90 Moo 20 Navanakorn Industrial Estate, Phaholyothin Road, Khlong Nueng, Khlong Luang, Pathum Thani 12120
Contact : Tel. (02) 909 1724-33 # 6315 Fax. (02) 909 1724-33 # 6106

Report Date : 26/10/23
Analysis Date : 05-16/10/23
Job No. : S660327/Oct
Sampling By : TET
Type of Sample : Stack

Sampling Conditions :

Item	Description	Unit	Result	
			2310-AS0133	
			DC2/No. 1 (350T), (650T)	
1	Sampling Date	-	05/10/23	
2	Stack Diameter	m.	Ø 0.90	
3	Temperature(1)	°C	65	
4	Stack Gas Velocity(1)	m/s	6.4	
5	Flow Rate(1)	m^3/s	4.1	
6	Flow Rate(2)	Nm^3/s	3.5	
7	Moisture Content(1)	%	1.95	
8	O_2 Rate(1), dry basis	%	19.6	
9	CO_2 Rate(1), dry basis	%	< 0.10	
10	Absolute Stack Pressure(1)	mm.Hg	756.9	

Parameter	Unit	Method	Result		Standard (With Combustion)		Analysis Date
			2310-AS0133				
			DC2/No. 1 (350T), (650T)		(A)	(B)	
Particulate(2)	mg/Nm^3	Isokinetic, Gravimetric Method (US.EPA Method 5, Dec 07, 2020)	3.5	0.0122 (g/s)	240	0.0542 (g/s)	06-09/10/23
Al(2)	mg/Nm^3	Isokinetic, Digestion, ICP-OES Method (US.EPA Method 29, Aug 02, 2017)	1.68	0.00588 (g/s)	-	0.00101 (g/s)	16/10/23
NO_x as NO_2(2)	ppm	Instrument Analyzer Method (US.EPA Method 7E, Oct 07, 2020)	7.50	0.0495 (g/s)	200	0.0235 (g/s)	05/10/23
CO(2)	ppm	NDIR Method (US.EPA Method 10, Aug 02, 2017)	36	-	690	-	05/10/23

Remarks : DC2/No. 1 (350T), (650T) = 47P 0671802 UTM 1562163
(1) Flue conditions
(2) The concentrations of air emissions and emission rate are based on the reference condition of 25 °C at 1 atm or 760 mm.Hg and dry basis. (open system)

Standard (A) Notification of the Ministry of Industry (2006) (B.E. 2549) and Notification of the Ministry of Natural Resources and Environment (2006) (B.E. 2549)
(B) According to Specified Requirement Environmental Impact Assessment of Thai Engineering Products Co., Ltd. (2009) (B.E. 2552)
Source ; NG

Reviewed by
Ms. Wareerut Prachumdaeng
Chief of Laboratory
26/10/23

บริษัท เทคนิคสิ่งแวดล้อมไทย จำกัด
Thai Environmental Technic Limited

Approved by
Mrs. Porntip Pethshee
Laboratory Manager
26/10/23

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ORIGINAL
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TEST REPORT

Analysis No. : R23-3192/DIW
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Address : 101/90 Moo 20 Navanakorn Industrial Estate, Phaholyothin Road, Khlong Nueng, Khlong Luang, Pathum Thani 12120
Contact : Tel. (02) 909 1724-33 # 6315 Fax. (02) 909 1724-33 # 6106

Report Date : 26/10/23
Analysis Date : 05-09/10/23
Job No. : S660327/Oct
Sampling By : Mr. Rattapon Sukdee
Registration Number : ว-236-ค-0006
Type of Sample : Stack

Sampling Conditions :

Item	Description	Unit	Result	
			2310-AS0133	
			DC2/No. 1 (350T), (650T)	
1	Sampling Date	-	05/10/23	
2	Stack Diameter	m.	Ø 0.90	
3	Temperature(1)	°C	65	
4	Stack Gas Velocity(1)	m/s	6.4	
5	Flow Rate(1)	m^3/s	4.1	
6	Flow Rate(2)	Nm^3/s	3.5	
7	Moisture Content(1)	%	1.95	
8	O_2 Rate(1), dry basis	%	19.6	
9	CO_2 Rate(1), dry basis	%	< 0.10	
10	Absolute Stack Pressure(1)	mm.Hg	756.9	

Parameter	Unit	Method	Result	Standard (With Combustion)	Analysis Date
			2310-AS0133		
			DC2/No. 1 (350T), (650T)		
Particulate(2)	mg/Nm^3	Isokinetic, Gravimetric Method (US.EPA Method 5, Dec 07, 2020)	3.5	240	06-09/10/23
NO_x as NO_2(2)	ppm	Instrument Analyzer Method (US.EPA Method 7E, Oct 07, 2020)	7.50	200	05/10/23
CO(2)	ppm	NDIR Method (US.EPA Method 10, Aug 02, 2017)	36	690	05/10/23

Remarks : DC2/No. 1 (350T), (650T) = 47P 0671802 UTM 1562163
(1) Flue conditions
(2) The concentrations of air emissions and emission rate are based on the reference condition of 25 °C at 1 atm or 760 mm.Hg and dry basis, (open system)

Standard : Notification of the Ministry of Industry (2006) (B.E. 2549)
Source ; NG

Reviewed by
Ms. Wareerut Prachumdaeng
Chief of Laboratory
ว-236-ค-0002
26/10/23

Approved by
Mrs. Porntip Pethshee
Laboratory Manager
ว-236-ค-0003
26/10/23

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Contact : Tel. (02) 909 1724-33 # 6315 Fax. (02) 909 1724-33 # 6106

Report Date : 26/10/23
Analysis Date : 05-16/10/23
Job No. : S660327/Oct
Sampling By : TET
Type of Sample : Stack

Sampling Conditions :

Item	Description	Unit	Result 2310-AS0134 DC2/No. 3 (500T)
1	Sampling Date	-	05/10/23
2	Stack Diameter	m.	Ø 0.58
3	Temperature(1)	°C	64
4	Stack Gas Velocity(1)	m/s	5.2
5	Flow Rate(1)	m^3/s	1.4
6	Flow Rate(2)	Nm^3/s	1.2
7	Moisture Content(1)	%	1.36
8	O_2 Rate(1), dry basis	%	19.4
9	CO_2 Rate(1), dry basis	%	< 1.0
10	Absolute Stack Pressure(1)	mm.Hg	756.9

Parameter	Unit	Method	Result 2310-AS0134 DC2/No. 3 (500T)		Standard (With Combustion) (A)	(B)	Analysis Date
Particulate(2)	mg/Nm^3	Isokinetic, Gravimetric Method (US.EPA Method 5, Dec 07, 2020)	3.2	0.0039 (g/s)	240	0.0458 (g/s)	06-09/10/23
Al(2)	mg/Nm^3	Isokinetic, Digestion, ICP-OES Method (US.EPA Method 29, Aug 02, 2017)	0.63	0.00076 (g/s)	-	0.00041 (g/s)	16/10/23
NO_x as NO_2(2)	ppm	Instrument Analyzer Method (US.EPA Method 7E, Oct 07, 2020)	6.40	0.0144 (g/s)	200	0.0235 (g/s)	05/10/23
CO(2)	ppm	NDIR Method (US.EPA Method 10, Aug 02, 2017)	29	-	690	-	05/10/23

Remarks : DC2/No. 3 (500T) = 47P 0671795 UTM 1562121
(1) Flue conditions
(2) The concentrations of air emissions and emission rate are based on the reference condition of 25 °C at 1 atm or 760 mm.Hg and dry basis. (open system)

Standard (A) Notification of the Ministry of Industry (2006) (B.E. 2549) and Notification of the Ministry of Natural Resources and Environment (2006) (B.E. 2549)
(B) According to Specified Requirement Environmental Impact Assessment of Thai Engineering Products Co., Ltd. (2009) (B.E. 2552)
Source ; NG

Reviewed by
Ms. Wareerut Prachumdaeng
Chief of Laboratory
26/10/23

Approved by
Mrs. Porntip Pethshee
Laboratory Manager
26/10/23

บริษัท เทคนิคสิ่งแวดล้อมไทย จำกัด TET Thai Environmental Technic Limited

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Thai Environmental Technic Limited
บริษัท เทคนิคสิ่งแวดล้อมไทย จำกัด

1/6 Soi Ramkhamhaeng 145, Khwaeng / Khet Saphansung, Bangkok 10240
1/6 ซอยรามคำแหง 145 แขวงสะพานสูง เขตสะพานสูง กรุงเทพมหานคร 10240
E-mail : admin@tet1995.com
Tel : 0-2373-7799 (Auto) Fax : 0-2373-7979

ORIGINAL
ต้นฉบับ

TEST REPORT

Analysis No. : R23-3192/DIW
Received Date : 06/10/23
Customer : Technical Division of Thai Environmental Technic Limited
For THAI ENGINEERING PRODUCTS CO., LTD.
Address : 101/90 Moo 20 Navanakorn Industrial Estate, Phaholyothin Road, Khlong Nueng, Khlong Luang, Pathum Thani 12120
Contact : Tel. (02) 909 1724-33 # 6315 Fax. (02) 909 1724-33 # 6106

Report Date : 26/10/23
Analysis Date : 05-09/10/23
Job No. : S660327/Oct
Sampling By : Mr. Rattapon Sukdee
Registration Number : ว-236-ค-0006
Type of Sample : Stack

Sampling Conditions :

Item	Description	Unit	Result 2310-AS0134 DC2/No. 3 (500T)
1	Sampling Date	-	05/10/23
2	Stack Diameter	m.	Ø 0.58
3	Temperature(1)	°C	64
4	Stack Gas Velocity(1)	m/s	5.2
5	Flow Rate(1)	m^3/s	1.4
6	Flow Rate(2)	Nm^3/s	1.2
7	Moisture Content(1)	%	1.36
8	O_2 Rate(1), dry basis	%	19.4
9	CO_2 Rate(1), dry basis	%	< 1.0
10	Absolute Stack Pressure(1)	mm.Hg	756.9

Parameter	Unit	Method	Result 2310-AS0134 DC2/No. 3 (500T)	Standard (With Combustion)	Analysis Date
Particulate(2)	mg/Nm^3	Isokinetic, Gravimetric Method (US.EPA Method 5, Dec 07, 2020)	3.2	240	06-09/10/23
NO_x as NO_2(2)	ppm	Instrument Analyzer Method (US.EPA Method 7E, Oct 07, 2020)	6.40	200	05/10/23
CO(2)	ppm	NDIR Method (US.EPA Method 10, Aug 02, 2017)	29	690	05/10/23

Remarks : DC2/No. 3 (500T) = 47P 0671795 UTM 1562121
(1) Flue conditions
(2) The concentrations of air emissions and emission rate are based on the reference condition of 25 °C at 1 atm or 760 mm.Hg and dry basis, (open system)

Standard : Notification of the Ministry of Industry (2006) (B.E. 2549)
Source ; NG

Reviewed by
Ms. Wareerut Prachumdaeng
Chief of Laboratory
ว-236-ค-0002
26/10/23

Approved by
Mrs. Porntip Pethshee
Laboratory Manager
ว-236-ค-0003
26/10/23

- PRIVATE LABORATORY REGISTERED NO. ว-236
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Thai Environmental Technic Limited
บริษัท เทคนิคสิ่งแวดล้อมไทย จำกัด

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ORIGINAL
ต้นฉบับ

TEST REPORT

Analysis No. : R23-3192
Received Date : 12/10/23
Customer : Technical Division of Thai Environmental Technic Limited
For THAI ENGINEERING PRODUCTS CO., LTD.
Address : 101/90 Moo 20 Navanakorn Industrial Estate, Phaholyothin Road, Khlong Nueng, Khlong Luang, Pathum Thani 12120
Contact : Tel. (02) 909 1724-33 # 6315 Fax. (02) 909 1724-33 # 6106

Report Date : 26/10/23
Analysis Date : 11-24/10/23
Job No. : S660327/Oct
Sampling By : TET
Type of Sample : Stack

Sampling Conditions :

Item	Description	Unit	Result	
			2310-AS0509	
			DC3/No. 1 (Zone 1650), (850T)	
1	Sampling Date	-	11/10/23	
2	Stack Diameter	m.	Ø 0.75	
3	Temperature(1)	°C	82	
4	Stack Gas Velocity(1)	m/s	7.7	
5	Flow Rate(1)	m^3/s	3.4	
6	Flow Rate(2)	Nm^3/s	2.8	
7	Moisture Content(1)	%	1.29	
8	O_2 Rate(1), dry basis	%	19.5	
9	CO_2 Rate(1), dry basis	%	< 1.0	
10	Absolute Stack Pressure(1)	mm.Hg	756.9	

Parameter	Unit	Method	Result		Standard (With Combustion)		Analysis Date
			2310-AS0509				
			DC3/No. 1 (Zone 1650), (850T)		(A)	(B)	
Particulate(2)	mg/Nm^3	Isokinetic, Gravimetric Method (US.EPA Method 5, Dec 07, 2020)	2.2	0.0061 (g/s)	240	0.0458 (g/s)	12-17/10/23
Al(2)	mg/Nm^3	Isokinetic, Digestion, ICP-OES Method (US.EPA Method 29, Aug 02, 2017)	0.77	0.00216 (g/s)	-	0.00081 (g/s)	24/10/23
NO_x as NO_2(2)	ppm	Instrument Analyzer Method (US.EPA Method 7E, Oct 07, 2020)	2.70	0.0143 (g/s)	200	0.0235 (g/s)	11/10/23
CO(2)	ppm	NDIR Method (US.EPA Method 10, Aug 02, 2017)	10	-	690	-	11/10/23

Remarks : DC3/No. 1 (Zone 1650), (850T) = 47P 0671701 UTM 1562020
(1) Flue conditions
(2) The concentrations of air emissions and emission rate are based on the reference condition of 25 °C at 1 atm or 760 mm.Hg and dry basis. (open system)

Standard (A) Notification of the Ministry of Industry (2006) (B.E. 2549) and Notification of the Ministry of Natural Resources and Environment (2006) (B.E. 2549)
(B) According to Specified Requirement Environmental Impact Assessment of Thai Engineering Products Co., Ltd. (2009) (B.E. 2552)
Source ; NG

Reviewed by
Ms. Wareerut Prachumdaeng
Chief of Laboratory
26/10/23

บริษัท เทคนิคสิ่งแวดล้อมไทย จำกัด
Thai Environmental Technic Limited

Approved by
Mrs. Porntip Pethshee
Laboratory Manager
26/10/23

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ORIGINAL
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TEST REPORT

Analysis No. : R23-3192/DIW
Received Date : 12/10/23
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For THAI ENGINEERING PRODUCTS CO., LTD.
Address : 101/90 Moo 20 Navanakorn Industrial Estate, Phaholyothin Road, Khlong Nueng, Khlong Luang, Pathum Thani 12120
Contact : Tel. (02) 909 1724-33 # 6315 Fax. (02) 909 1724-33 # 6106

Report Date : 26/10/23
Analysis Date : 11-17/10/23
Job No. : S660327/Oct
Sampling By : Mr. Rattapon Sukdee
Registration Number : ว-236-ค-0006
Type of Sample : Stack

Sampling Conditions :

Item	Description	Unit	Result	
			2310-AS0509	
			DC3/No. 1 (Zone 1650), (850T)	
1	Sampling Date	-	11/10/23	
2	Stack Diameter	m.	Ø 0.75	
3	Temperature(1)	°C	82	
4	Stack Gas Velocity(1)	m/s	7.7	
5	Flow Rate(1)	m^3/s	3.4	
6	Flow Rate(2)	Nm^3/s	2.8	
7	Moisture Content(1)	%	1.29	
8	O_2 Rate(1), dry basis	%	19.5	
9	CO_2 Rate(1), dry basis	%	< 1.0	
10	Absolute Stack Pressure(1)	mm.Hg	756.9	

Parameter	Unit	Method	Result	Standard (With Combustion)	Analysis Date
			2310-AS0509		
			DC3/No. 1 (Zone 1650), (850T)		
Particulate(2)	mg/Nm^3	Isokinetic, Gravimetric Method (US.EPA Method 5, Dec 07, 2020)	2.2	240	12-17/10/23
NO_x as NO_2(2)	ppm	Instrument Analyzer Method (US.EPA Method 7E, Oct 07, 2020)	2.70	200	11/10/23
CO(2)	ppm	NDIR Method (US.EPA Method 10, Aug 02, 2017)	10	690	11/10/23

Remarks : DC3/No. 1 (Zone 1650), (850T) = 47P 0671701 UTM 1562020
(1) Flue conditions
(2) The concentrations of air emissions and emission rate are based on the reference condition of 25 °C at 1 atm or 760 mm.Hg and dry basis, (open system)

Standard : Notification of the Ministry of Industry (2006) (B.E. 2549)
Source ; NG

Reviewed by
Ms. Wareerut Prachumdaeng
Chief of Laboratory
ว-236-ค-0002
26/10/23

Approved by
Mrs. Porntip Pethshee
Laboratory Manager
ว-236-ค-0003
26/10/23

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Address : 101/90 Moo 20 Navanakorn Industrial Estate, Phaholyothin Road, Khlong Nueng, Khlong Luang, Pathum Thani 12120
Contact : Tel. (02) 909 1724-33 # 6315 Fax. (02) 909 1724-33 # 6106

Report Date : 26/10/23
Analysis Date : 11-24/10/23
Job No. : S660327/Oct
Sampling By : TET
Type of Sample : Stack

Sampling Conditions :

Item	Description	Unit	Result	
			2310-AS0510	
			DC3/No. 2 (HVSC)	
1	Sampling Date	-	11/10/23	
2	Stack Diameter	m.	Ø 0.75	
3	Temperature(1)	°C	85	
4	Stack Gas Velocity(1)	m/s	7.4	
5	Flow Rate(1)	m^3/s	3.3	
6	Flow Rate(2)	Nm^3/s	2.7	
7	Moisture Content(1)	%	1.47	
8	O_2 Rate(1), dry basis	%	19.2	
9	CO_2 Rate(1), dry basis	%	1.0	
10	Absolute Stack Pressure(1)	mm.Hg	756.9	

Parameter	Unit	Method	Result		Standard (With Combustion)		Analysis Date
			2310-AS0510				
			DC3/No. 2 (HVSC)		(A)	(B)	
Particulate(2)	mg/Nm^3	Isokinetic, Gravimetric Method (US.EPA Method 5, Dec 07, 2020)	3.7	0.0100 (g/s)	240	0.0508 (g/s)	12-17/10/23
Al(2)	mg/Nm^3	Isokinetic, Digestion, ICP-OES Method (US.EPA Method 29, Aug 02, 2017)	0.76	0.00204 (g/s)	-	0.00028 (g/s)	24/10/23
NO_x as NO_2(2)	ppm	Instrument Analyzer Method (US.EPA Method 7E, Oct 07, 2020)	2.50	0.0126 (g/s)	200	0.0235 (g/s)	11/10/23
CO(2)	ppm	NDIR Method (US.EPA Method 10, Aug 02, 2017)	8	-	690	-	11/10/23

Remarks : DC3/No. 2 (HVSC) = 47P 0671699 UTM 1562082
(1) Flue conditions
(2) The concentrations of air emissions and emission rate are based on the reference condition of 25 °C at 1 atm or 760 mm.Hg and dry basis. (open system)

Standard (A) Notification of the Ministry of Industry (2006) (B.E. 2549) and Notification of the Ministry of Natural Resources and Environment (2006) (B.E. 2549)
(B) According to Specified Requirement Environmental Impact Assessment of Thai Engineering Products Co., Ltd. (2009) (B.E. 2552)
Source ; NG

Reviewed by
Ms. Wareerut Prachumdaeng
Chief of Laboratory
24/10/23

Approved by
Mrs. Porntip Pethshee
Laboratory Manager
24/10/23

บริษัท เทคนิคสิ่งแวดล้อมไทย จำกัด Thai Environmental Technic Limited

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ORIGINAL
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TEST REPORT

Analysis No. : R23-3192/DIW
Received Date : 12/10/23
Customer : Technical Division of Thai Environmental Technic Limited
For THAI ENGINEERING PRODUCTS CO., LTD.
Address : 101/90 Moo 20 Navanakorn Industrial Estate, Phaholyothin Road, Khlong Nueng, Khlong Luang, Pathum Thani 12120
Contact : Tel. (02) 909 1724-33 # 6315 Fax. (02) 909 1724-33 # 6106

Report Date : 26/10/23
Analysis Date : 11-17/10/23
Job No. : S660327/Oct
Sampling By : Mr. Rattapon Sukdee
Registration Number : ว-236-ค-0006
Type of Sample : Stack

Sampling Conditions :

Item	Description	Unit	Result 2310-AS0510 DC3/No. 2 (HVSC)
1	Sampling Date	-	11/10/23
2	Stack Diameter	m.	Ø 0.75
3	Temperature(1)	°C	85
4	Stack Gas Velocity(1)	m/s	7.4
5	Flow Rate(1)	m^3/s	3.3
6	Flow Rate(2)	Nm^3/s	2.7
7	Moisture Content(1)	%	1.47
8	O_2 Rate(1), dry basis	%	19.2
9	CO_2 Rate(1), dry basis	%	1.0
10	Absolute Stack Pressure(1)	mm.Hg	756.9

Parameter	Unit	Method	Result 2310-AS0510 DC3/No. 2 (HVSC)	Standard (With Combustion)	Analysis Date
Particulate(2)	mg/Nm^3	Isokinetic, Gravimetric Method (US.EPA Method 5, Dec 07, 2020)	3.7	240	12-17/10/23
NO_x as NO_2(2)	ppm	Instrument Analyzer Method (US.EPA Method 7E, Oct 07, 2020)	2.50	200	11/10/23
CO(2)	ppm	NDIR Method (US.EPA Method 10, Aug 02, 2017)	8	690	11/10/23

Remarks : DC3/No. 2 (HVSC) = 47P 0671699 UTM 1562082
(1) Flue conditions
(2) The concentrations of air emissions and emission rate are based on the reference condition of 25 °C at 1 atm or 760 mm.Hg and dry basis. (open system)

Standard : Notification of the Ministry of Industry (2006) (B.E. 2549)
Source ; NG

Reviewed by
Ms. Wareerut Prachumdaeng
Chief of Laboratory
ว-236-ค-0002
26/10/23

Approved by
Mrs. Porntip Pethshee
Laboratory Manager
ว-236-ค-0003
26/10/23

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ORIGINAL
ต้นฉบับ

TEST REPORT

Analysis No. : R23-3192
Received Date : 09/10/23
Customer : Technical Division of Thai Environmental Technic Limited
For THAI ENGINEERING PRODUCTS CO., LTD.
Address : 101/90 Moo 20 Navanakorn Industrial Estate, Phaholyothin Road, Khlong Nueng, Khlong Luang, Pathum Thani 12120
Contact : Tel. (02) 909 1724-33 # 6315 Fax. (02) 909 1724-33 # 6106

Report Date : 26/10/23
Analysis Date : 06-16/10/23
Job No. : S660327/Oct
Sampling By : TET
Type of Sample : Stack

Sampling Conditions :

Item	Description	Unit	Result 2310-AS0261 DC1/1250 No. 8 (DC1-1)
1	Sampling Date	-	06/10/23
2	Stack Diameter	m.	Ø 0.55
3	Temperature(1)	°C	108
4	Stack Gas Velocity(1)	m/s	6.3
5	Flow Rate(1)	m^3/s	1.5
6	Flow Rate(2)	Nm^3/s	1.1
7	Moisture Content(1)	%	3.81
8	O_2 Rate(1), dry basis	%	18.8
9	CO_2 Rate(1), dry basis	%	1.1
10	Absolute Stack Pressure(1)	mm.Hg	756.9

Parameter	Unit	Method	Result 2310-AS0261 DC1/1250 No. 8 (DC1-1)		Standard (With Combustion) (A)	(B)	Analysis Date
Particulate(2)	mg/Nm^3	Isokinetic, Gravimetric Method (US.EPA Method 5, Dec 07, 2020)	7.8	0.0087 (g/s)	240	0.0476 (g/s)	09-11/10/23
Al(2)	mg/Nm^3	Isokinetic, Digestion, ICP-OES Method (US.EPA Method 29, Aug 02, 2017)	0.92	0.00104 (g/s)	-	0.00006 (g/s)	16/10/23
NO_x as NO_2(2)	ppm	Instrument Analyzer Method (US.EPA Method 7E, Oct 07, 2020)	19.00	0.0401 (g/s)	200	0.0443 (g/s)	06/10/23
CO(2)	ppm	NDIR Method (US.EPA Method 10, Aug 02, 2017)	32	-	690	-	06/10/23

Remarks : DC1/1250 No. 8 (DC1-1) = 47P 0671741 UTM 1562009
(1) Flue conditions
(2) The concentrations of air emissions and emission rate are based on the reference condition of 25 °C at 1 atm or 760 mm.Hg and dry basis. (open system)

Standard (A) Notification of the Ministry of Industry (2006) (B.E. 2549) and Notification of the Ministry of Natural Resources and Environment (2006) (B.E. 2549)
(B) According to Specified Requirement Environmental Impact Assessment of Thai Engineering Products Co., Ltd. (2009) (B.E. 2552)
Source : NG

Reviewed by
Ms. Wareerut Prachumdaeng
Chief of Laboratory
26/10/23

Approved by
Mrs. Porntip Pethshee
Laboratory Manager
26/10/23

บริษัท เทคนิคสิ่งแวดล้อมไทย จำกัด Thai Environmental Technic Limited

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ORIGINAL
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TEST REPORT

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Contact : Tel. (02) 909 1724-33 # 6315 Fax. (02) 909 1724-33 # 6106

Report Date : 26/10/23
Analysis Date : 06-11/10/23
Job No. : S660327/Oct
Sampling By : Mr. Rattapon Sukdee
Registration Number : ว-236-ค-0006
Type of Sample : Stack

Sampling Conditions :

Item	Description	Unit	Result	
			2310-AS0261	
			DC1/1250 No. 8 (DC1-1)	
1	Sampling Date	-	06/10/23	
2	Stack Diameter	m.	Ø 0.55	
3	Temperature(1)	°C	108	
4	Stack Gas Velocity(1)	m/s	6.3	
5	Flow Rate(1)	m^3/s	1.5	
6	Flow Rate(2)	Nm^3/s	1.1	
7	Moisture Content(1)	%	3.81	
8	O_2 Rate(1), dry basis	%	18.8	
9	CO_2 Rate(1), dry basis	%	1.1	
10	Absolute Stack Pressure(1)	mm.Hg	756.9	

Parameter	Unit	Method	Result	Standard (With Combustion)	Analysis Date
			2310-AS0261		
			DC1/1250 No. 8 (DC1-1)		
Particulate(2)	mg/Nm^3	Isokinetic, Gravimetric Method (US.EPA Method 5, Dec 07, 2020)	7.8	240	09-11/10/23
NO_x as NO_2(2)	ppm	Instrument Analyzer Method (US.EPA Method 7E, Oct 07, 2020)	19.00	200	06/10/23
CO(2)	ppm	NDIR Method (US.EPA Method 10, Aug 02, 2017)	32	690	06/10/23

Remarks : DC1/1250 No. 8 (DC1-1) = 47P 0671741 UTM 1562009
(1) Flue conditions
(2) The concentrations of air emissions and emission rate are based on the reference condition of 25 °C at 1 atm or 760 mm.Hg and dry basis, (open system)

Standard : Notification of the Ministry of Industry (2006) (B.E. 2549)
Source ; NG

Reviewed by
Ms. Wareerut Prachumdaeng
Chief of Laboratory
ว-236-ค-0002
26/10/23

Approved by
Mrs. Porntip Pethshee
Laboratory Manager
ว-236-ค-0003
26/10/23

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Contact : Tel. (02) 909 1724-33 # 6315 Fax. (02) 909 1724-33 # 6106

Report Date : 26/10/23
Analysis Date : 06-16/10/23
Job No. : S660327/Oct
Sampling By : TET
Type of Sample : Stack

Sampling Conditions :

Item	Description	Unit	Result 2310-AS0262 DC1-5 (800-8)
1	Sampling Date	-	06/10/23
2	Stack Diameter	m.	Ø 0.50
3	Temperature(1)	°C	84
4	Stack Gas Velocity(1)	m/s	5.3
5	Flow Rate(1)	m^3/s	1.0
6	Flow Rate(2)	Nm^3/s	0.9
7	Moisture Content(1)	%	1.52
8	O_2 Rate(1), dry basis	%	18.6
9	CO_2 Rate(1), dry basis	%	1.2
10	Absolute Stack Pressure(1)	mm.Hg	756.9

Parameter	Unit	Method	Result 2310-AS0262 DC1-5 (800-8)		Standard (With Combustion) (A)	(B)	Analysis Date
Particulate(2)	mg/Nm^3	Isokinetic, Gravimetric Method (US.EPA Method 5, Dec 07, 2020)	4.8	0.0041 (g/s)	240	0.0476 (g/s)	09-11/10/23
Al(2)	mg/Nm^3	Isokinetic, Digestion, ICP-OES Method (US.EPA Method 29, Aug 02, 2017)	0.97	0.00082 (g/s)	-	0.00008 (g/s)	16/10/23
NO_x as NO_2(2)	ppm	Instrument Analyzer Method (US.EPA Method 7E, Oct 07, 2020)	19.30	0.0309 (g/s)	200	0.0443 (g/s)	06/10/23
CO(2)	ppm	NDIR Method (US.EPA Method 10, Aug 02, 2017)	51	-	690	-	06/10/23

Remarks : DC1-5 (800-8) = 47P 0671781 UTM 1562007
(1) Flue conditions
(2) The concentrations of air emissions and emission rate are based on the reference condition of 25 °C at 1 atm or 760 mm.Hg and dry basis. (open system)

Standard (A) Notification of the Ministry of Industry (2006) (B.E. 2549) and Notification of the Ministry of Natural Resources and Environment (2006) (B.E. 2549)
(B) According to Specified Requirement Environmental Impact Assessment of Thai Engineering Products Co., Ltd. (2009) (B.E. 2552)
Source : NG

Reviewed by
Ms. Wareerut Prachumdaeng
Chief of Laboratory
26/10/23

Approved by
Mrs. Porntip Pethshee
Laboratory Manager
26/10/23

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Thai Environmental Technic Limited
บริษัท เทคนิคสิ่งแวดล้อมไทย จำกัด

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ORIGINAL
ต้นฉบับ

TEST REPORT

Analysis No. : R23-3192/DIW
Received Date : 09/10/23
Customer : Technical Division of Thai Environmental Technic Limited
For THAI ENGINEERING PRODUCTS CO., LTD.
Address : 101/90 Moo 20 Navanakorn Industrial Estate, Phaholyothin Road, Khlong Nueng, Khlong Luang, Pathum Thani 12120
Contact : Tel. (02) 909 1724-33 # 6315 Fax. (02) 909 1724-33 # 6106

Report Date : 26/10/23
Analysis Date : 06-11/10/23
Job No. : S660327/Oct
Sampling By : Mr. Suchart Sriboon
Registration Number : ว-236-จ-0011
Type of Sample : Stack

Sampling Conditions :

Item	Description	Unit	Result 2310-AS0262 DC1-5 (800-8)
1	Sampling Date	-	06/10/23
2	Stack Diameter	m.	Ø 0.50
3	Temperature(1)	°C	84
4	Stack Gas Velocity(1)	m/s	5.3
5	Flow Rate(1)	m^3/s	1.0
6	Flow Rate(2)	Nm^3/s	0.9
7	Moisture Content(1)	%	1.52
8	O_2 Rate(1), dry basis	%	18.6
9	CO_2 Rate(1), dry basis	%	1.2
10	Absolute Stack Pressure(1)	mm.Hg	756.9

Parameter	Unit	Method	Result 2310-AS0262 DC1-5 (800-8)	Standard (With Combustion)	Analysis Date
Particulate(2)	mg/Nm^3	Isokinetic, Gravimetric Method (US.EPA Method 5, Dec 07, 2020)	4.8	240	09-11/10/23
NO_x as NO_2(2)	ppm	Instrument Analyzer Method (US.EPA Method 7E, Oct 07, 2020)	19.30	200	06/10/23
CO(2)	ppm	NDIR Method (US.EPA Method 10, Aug 02, 2017)	51	690	06/10/23

Remarks : DC1-5 (800-8) = 47P 0671781 UTM 1562007
(1) Flue conditions
(2) The concentrations of air emissions and emission rate are based on the reference condition of 25 °C at 1 atm or 760 mm.Hg and dry basis. (open system)

Standard : Notification of the Ministry of Industry (2006) (B.E. 2549)
Source ; NG

Reviewed by
Ms. Wareerut Prachumdaeng
Chief of Laboratory
ว-236-ค-0002
26/10/23

Approved by
Mrs. Porntip Pethshee
Laboratory Manager
ว-236-ค-0003
26/10/23

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Thai Environmental Technic Limited
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ORIGINAL
ต้นฉบับ

TEST REPORT

Analysis No. : R23-3192
Received Date : 11/10/23
Customer : Technical Division of Thai Environmental Technic Limited
For THAI ENGINEERING PRODUCTS CO., LTD.
Address : 101/90 Moo 20 Navanakorn Industrial Estate, Phaholyothin Road, Khlong Nueng, Khlong Luang, Pathum Thani 12120
Contact : Tel. (02) 909 1724-33 # 6315 Fax. (02) 909 1724-33 # 6106

Report Date : 26/10/23
Analysis Date : 10-16/10/23
Job No. : S660327/Oct
Sampling By : TET
Type of Sample : Stack

Sampling Conditions :

Item	Description	Unit	Result	
			2310-AS0452	2310-AS0453
			Bag Filter No. 5 GC2 (Inlet)	Bag Filter No. 5 GC2 (Outlet)
1	Sampling Date	-	10/10/23	10/10/23
2	Stack Diameter	m.	Ø 0.65	Ø 0.70
3	Temperature(1)	°C	110	72
4	Stack Gas Velocity(1)	m/s	9.6	9.4
5	Flow Rate(1)	m^3/s	3.2	3.6
6	Flow Rate(2)	Nm^3/s	2.4	3.1
7	Moisture Content(1)	%	1.68	1.11
8	O_2 Rate(1), dry basis	%	18.8	19.4
9	CO_2 Rate(1), dry basis	%	1.1	< 1.0
10	Absolute Stack Pressure(1)	mm.Hg	755.7	756.9

Parameter	Unit	Method	Result			Standard (With Combustion)		Analysis Date
			2310-AS0452	2310-AS0453				
			Bag Filter No. 5 GC2 (Inlet) *	Bag Filter No. 5 GC2 (Outlet)		(A)	(B)	
Particulate(2)	mg/Nm^3	Isokinetic, Gravimetric Method (US.EPA Method 5, Dec 07, 2020)	10.4	5.3	0.0162 (g/s)	240	0.0458 (g/s)	10-12/10/23
Al(2)	mg/Nm^3	Isokinetic, Digestion, ICP-OES Method (US.EPA Method 29, Aug 02, 2017)	1.10	0.94	0.00290 (g/s)	-	0.00202 (g/s)	16/10/23
NO_x as NO_2(2)	ppm	Instrument Analyzer Method (US.EPA Method 7E, Oct 07, 2020)	14.40	7.60	0.0440 (g/s)	200	0.0231 (g/s)	10/10/23
CO(2)	ppm	NDIR Method (US.EPA Method 10, Aug 02, 2017)	16	8	-	690	-	10/10/23

Remarks : Bag Filter No. 5 GC2 (Inlet) = 47P 0671700 UTM 1562116
Bag Filter No. 5 GC2 (Outlet) = 47P 0671697 UTM 1562107
(1) Flue conditions
(2) The concentrations of air emissions and emission rate are based on the reference condition of 25 °C at 1 atm or 760 mm.Hg and dry basis. (open system)

Standard (A) Notification of the Ministry of Industry (2006) (B.E. 2549) and Notification of the Ministry of Natural Resources and Environment (2006) (B.E. 2549)
(B) According to Specified Requirement Environmental Impact Assessment of Thai Engineering Products Co., Ltd. (2009) (B.E. 2552)
Source ; NG
* Inlet no established standard

Reviewed by
Ms. Wareerut Prachumdaeng
Chief of Laboratory
24.10.23

Approved by
Mrs. Porntip Pethshee
Laboratory Manager
24.10.23

บริษัท เทคนิคสิ่งแวดล้อมไทย จำกัด Thai Environmental Technic Limited

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ORIGINAL
ต้นฉบับ

TEST REPORT

Analysis No. : R23-3192/DIW
Received Date : 11/10/23
Customer : Technical Division of Thai Environmental Technic Limited
For THAI ENGINEERING PRODUCTS CO., LTD.
Address : 101/90 Moo 20 Navanakorn Industrial Estate, Phaholyothin Road, Khlong Nueng, Khlong Luang, Pathum Thani 12120
Contact : Tel. (02) 909 1724-33 # 6315 Fax. (02) 909 1724-33 # 6106

Report Date : 26/10/23
Analysis Date : 10-12/10/23
Job No. : S660327/Oct
Sampling By : Mr. Suchart Sriboon
Registration Number : ว-236-จ-0011
Type of Sample : Stack

Sampling Conditions :

Item	Description	Unit	Result 2310-AS0453 Bag Filter No. 5 GC2 (Outlet)
1	Sampling Date	-	10/10/23
2	Stack Diameter	m.	Ø 0.70
3	Temperature(1)	°C	72
4	Stack Gas Velocity(1)	m/s	9.4
5	Flow Rate(1)	m^3/s	3.6
6	Flow Rate(2)	Nm^3/s	3.1
7	Moisture Content(1)	%	1.11
8	O_2 Rate(1), dry basis	%	19.4
9	CO_2 Rate(1), dry basis	%	< 1.0
10	Absolute Stack Pressure(1)	mm.Hg	756.9

Parameter	Unit	Method	Result 2310-AS0453 Bag Filter No. 5 GC2 (Outlet)	Standard (With Combustion)	Analysis Date
Particulate(2)	mg/Nm^3	Isokinetic, Gravimetric Method (US.EPA Method 5, Dec 07, 2020)	5.3	240	10-12/10/23
NO_x as NO_2(2)	ppm	Instrument Analyzer Method (US.EPA Method 7E, Oct 07, 2020)	7.60	200	10/10/23
CO(2)	ppm	NDIR Method (US.EPA Method 10, Aug 02, 2017)	8	690	10/10/23

Remarks : Bag Filter No. 5 GC2 (Outlet) = 47P 0671697 UTM 1562107
(1) Flue conditions
(2) The concentrations of air emissions and emission rate are based on the reference condition of 25 °C at 1 atm or 760 mm.Hg and dry basis, (open system)

Standard : Notification of the Ministry of Industry (2006) (B.E. 2549)
Source ; NG

Reviewed by
Ms. Wareerut Prachumdaeng
Chief of Laboratory
ว-236-ก-0002
26/10/23

Approved by
Mrs. Porntip Pethshee
Laboratory Manager
ว-236-ก-0003
26/10/23

..... END OF REPORT .....

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ORIGINAL
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TEST REPORT

Analysis No. : R23-3192
Received Date : 09-16/10/23
Customer : Technical Division of Thai Environmental Technic Limited
For THAI ENGINEERING PRODUCTS CO., LTD.
Address : 101/90 Moo 20 Navanakorn Industrial Estate, Phaholyothin Road, Khlong Nueng, Khlong Luang, Pathum Thani 12120
Contact : Tel. (02) 909 1724-33 # 6315 Fax. (02) 909 1724-33 # 6106

Report Date : 26/10/23
Analysis Date : 09-24/10/23
Job No. : S660327/Oct
Sampling By : TET
Type of Sample : Ambient Air

Sampling Point	Sample No.	Sampling Date	Result			
			TSP (mg/m^3)	PM-10 (mg/m^3)	Al ($\mu g/m^3$)	CO[8 hr.] (ppm)
วัดโพธิ์นิ่มรัตนาราม (47P 0670772 UTM 1560878)	2310-AA0263	05-06/10/23	0.035	0.020	< 0.02	0.46
	2310-AA0267	06-07/10/23	0.035	0.019	< 0.02	0.35
	2310-AA0271	07-08/10/23	0.040	0.018	< 0.02	0.34
	2310-AA0337	08-09/10/23	0.047	0.015	< 0.02	0.37
	2310-AA0454	09-10/10/23	0.046	0.024	< 0.02	0.40
	2310-AA0511	10-11/10/23	0.072	0.028	< 0.02	0.33
	2310-AA0576	11-12/10/23	0.068	0.029	< 0.02	0.45
สถานีอนามัยเชียงรากน้อย (47P 0670793 UTM 1560765)	2310-AA0264	05-06/10/23	0.039	0.024	< 0.02	0.60
	2310-AA0268	06-07/10/23	0.128	0.051	0.03	0.57
	2310-AA0272	07-08/10/23	0.063	0.037	< 0.02	0.49
	2310-AA0338	08-09/10/23	0.066	0.022	< 0.02	0.53
	2310-AA0455	09-10/10/23	0.058	0.050	< 0.02	0.51
	2310-AA0512	10-11/10/23	0.087	0.047	< 0.02	0.47
	2310-AA0577	11-12/10/23	0.080	0.055	< 0.02	0.52
Standard			0.33[(1)(2)]	0.12[(1)(2)]	120[(3)]	9[(1)]

Analysis Date : TSP, PM-10 (2310-AA0263, 2310-AA0264, 2310-AA0267, 2310-AA0268, 2310-AA0271, 2310-AA0272)/09-11/10/23, (2310-AA0337, 2310-AA0338)/10-12/10/23, (2310-AA0454, 210-AA0455)/11-16/10/23, (2310-AA0511, 2310-AA0512)/12-17/10/23, (2310-0576, 2310-AA0577)/16-18/10/23
Al (2310-AA0263, 2310-AA0264, 2310-AA0267, 2310-AA0268, 2310-AA0271, 2310-AA0272, 2310-AA0337, 2310-AA0338)/16/10/23, (2310-AA0454, 210-AA0455, 2310-AA0511, 2310-AA0512, 2310-AA0576, 2310-AA0577)/24/10/23
CO (2310-AA0263, 2310-AA0264, 2310-AA0267, 2310-AA0268, 2310-AA0271, 2310-AA0272, 2310-AA0337, 2310-AA0338)/10/10/23, (2310-AA0454, 210-AA0455, 2310-AA0511, 2310-AA0512)/12/10/23, (2310-AA0576, 2310-AA0577)/17/10/23

Method : TSP = Gravimetric Method (US.EPA 40 CFR Part 50 Appendix B)
PM-10 = Gravimetric Method (US.EPA 40 CFR Part 50 Appendix J)
Al = Volumetric/ICP (US.EPA Method IO-3.1, 3.4)
CO = NDIR Method (US.EPA 40 CFR Part 50 Appendix C)

Standard (1) Notification of the National Environment Board No. 10 (1995) (B.E. 2538)
(2) Notification of the National Environment Board No. 24 (2004) (B.E. 2547)
(3) Ontario's Ambient air quality criteria (2012) (B.E. 2555)

Reviewed by
Ms. Wareerut Prachumdaeng
Chief of Laboratory
26/10/23

Approved by
Mrs. Porntip Pethshee
Laboratory Manager
26/10/23

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Thai Environmental Technic Limited
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ORIGINAL
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TEST REPORT

Analysis No. : R23-3192
Received Date : 09-16/10/23
Customer : Technical Division of Thai Environmental Technic Limited
For THAI ENGINEERING PRODUCTS CO., LTD.
Address : 101/90 Moo 20 Navanakorn Industrial Estate, Phaholyothin Road, Khlong Nueng, Khlong Luang, Pathum Thani 12120
Contact : Tel. (02) 909 1724-33 # 6315 Fax. (02) 909 1724-33 # 6106

Report Date : 26/10/23
Analysis Date : 09-24/10/23
Job No. : S660327/Oct
Sampling By : TET
Type of Sample : Ambient Air

Sampling Point	Sample No.	Sampling Date	Result			
			TSP (mg/m^3)	PM-10 (mg/m^3)	Al ($\mu g/m^3$)	CO[8 hr.] (ppm)
มหาวิทยาลัยราชภัฏวไลอลงกรณ์เพชรบุรี (47P 0674626 UTM 1563088)	2310-AA0265	05-06/10/23	0.101	0.030	< 0.02	0.52
	2310-AA0269	06-07/10/23	0.069	0.017	< 0.02	0.48
	2310-AA0273	07-08/10/23	0.043	0.022	< 0.02	0.55
	2310-AA0339	08-09/10/23	0.076	0.021	< 0.02	0.55
	2310-AA0456	09-10/10/23	0.047	0.023	< 0.02	0.52
	2310-AA0513	10-11/10/23	0.113	0.033	< 0.02	0.56
	2310-AA0578	11-12/10/23	0.083	0.031	< 0.02	0.49
สำนักงานเขตปลอดอากรนวนคร (47P 0671544 UTM 1561480)	2310-AA0266	05-06/10/23	0.040	0.019	< 0.02	0.47
	2310-AA0270	06-07/10/23	0.050	0.024	< 0.02	0.41
	2310-AA0274	07-08/10/23	0.041	0.021	< 0.02	0.67
	2310-AA0340	08-09/10/23	0.052	0.027	< 0.02	0.64
	2310-AA0457	09-10/10/23	0.031	0.023	< 0.02	0.61
	2310-AA0514	10-11/10/23	0.048	0.025	< 0.02	0.60
	2310-AA0579	11-12/10/23	0.053	0.025	< 0.02	0.61
Standard			0.33[(1)(2)]	0.12[(1)(2)]	120[(3)]	9[(1)]

Analysis Date : TSP, PM-10 (2310-AA0265, 2310-AA0266, 2310-AA0269, 2310-AA0270, 2310-AA0273, 2310-AA0274)/09-11/10/23, (2310-AA0339, 2310-AA0340)/10-12/10/23, (2310-AA0456, 210-AA0457)/11-16/10/23, (2310-AA0513, 2310-AA0514)/12-17/10/23, (2310-0578, 2310-AA0579)/16-18/10/23
Al (2310-AA0265, 2310-AA0266, 2310-AA0269, 2310-AA0270, 2310-AA0273, 2310-AA0274, 2310-AA0339, 2310-AA0340)/16/10/23, (2310-AA0456, 210-AA0457, 2310-AA0513, 2310-AA0514, 2310-AA0578, 2310-AA0579)/24/10/23
CO (2310-AA0265, 2310-AA0266, 2310-AA0269, 2310-AA0270, 2310-AA0273, 2310-AA0274, 2310-AA0339, 2310-AA0340)/10/10/23, (2310-AA0456, 210-AA0457, 2310-AA0513, 2310-AA0514)/12/10/23, (2310-AA0578, 2310-AA0579)/17/10/23

Method : TSP = Gravimetric Method (US.EPA 40 CFR Part 50 Appendix B)
PM-10 = Gravimetric Method (US.EPA 40 CFR Part 50 Appendix J)
Al = Volumetric/ICP (US.EPA Method IO-3.1, 3.4)
CO = NDIR Method (US.EPA 40 CFR Part 50 Appendix C)

Standard (1) Notification of the National Environment Board No. 10 (1995) (B.E. 2538)
(2) Notification of the National Environment Board No. 24 (2004) (B.E. 2547)
(3) Ontario's Ambient air quality criteria (2012) (B.E. 2555)

Reviewed by
Ms. Wareerut Prachumdaeng
Chief of Laboratory
26/10/23

Approved by
Mrs. Porntip Pethshee
Laboratory Manager
26/10/23

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E-mail : admin@tet1995.com
Tel : 0-2373-7799 (Auto) Fax : 0-2373-7979

ORIGINAL
ต้นฉบับ

TEST REPORT

Customer Name : THAI ENGINEERING PRODUCTS CO., LTD.
Address : 101/90 Moo. 20 Navanakorn Industrial Estate, Phaholyothin Road, Khlong Nueng, Khlong Luang, Pathumthani 12120

Report No. : 3192/2023/1-41
Report Date : October 26, 2023
Sampling Date : October 5-12, 2023
Type of Sample : Ambient Air

Job No. : S660327/Oct

Item	Time	Result						
		วัดโพธิ์นิ่มรัตนาราม						
		NO_2 (ppm)						
		05-06/10/23	06-07/10/23	07-08/10/23	08-09/10/23	09-10/10/23	10-11/10/23	11-12/10/23
1.	14:00-15:00	0.0043	0.0043	0.0038	0.0023	0.0019	0.0021	0.0023
2.	15:00-16:00	0.0023	0.0023	0.0020	0.0021	0.0017	0.0020	0.0021
3.	16:00-17:00	0.0033	0.0038	0.0021	0.0022	0.0018	0.0028	0.0022
4.	17:00-18:00	0.0025	0.0022	0.0024	0.0032	0.0021	0.0021	0.0032
5.	18:00-19:00	0.0021	0.0023	0.0029	0.0025	0.0022	0.0019	0.0021
6.	19:00-20:00	0.0020	0.0019	0.0033	0.0032	0.0027	0.0021	0.0021
7.	20:00-21:00	0.0018	0.0026	0.0035	0.0025	0.0020	0.0020	0.0020
8.	21:00-22:00	0.0022	0.0020	0.0024	0.0028	0.0030	0.0019	0.0020
9.	22:00-23:00	0.0028	0.0019	0.0029	0.0025	0.0034	0.0019	0.0020
10.	23:00-00:00	0.0021	0.0022	0.0028	0.0055	0.0029	0.0020	0.0021
11.	00:00-01:00	0.0030	0.0021	0.0019	0.0012	0.0021	0.0020	0.0020
12.	01:00-02:00	0.0028	0.0037	0.0025	0.0021	0.0019	0.0020	0.0021
13.	02:00-03:00	0.0023	0.0027	0.0025	0.0019	0.0019	0.0020	0.0023
14.	03:00-04:00	0.0031	0.0026	0.0029	0.0020	0.0025	0.0019	0.0020
15.	04:00-05:00	0.0033	0.0023	0.0035	0.0020	0.0025	0.0020	0.0020
16.	05:00-06:00	0.0023	0.0024	0.0032	0.0018	0.0019	0.0020	0.0021
17.	06:00-07:00	0.0030	0.0028	0.0035	0.0020	0.0020	0.0022	0.0020
18.	07:00-08:00	0.0023	0.0027	0.0033	0.0040	0.0023	0.0029	0.0020
19.	08:00-09:00	0.0039	0.0028	0.0050	0.0022	0.0021	0.0033	0.0026
20.	09:00-10:00	0.0031	0.0037	0.0016	0.0019	0.0021	0.0032	0.0024
21.	10:00-11:00	0.0045	0.0037	0.0025	0.0017	0.0021	0.0025	0.0021
22.	11:00-12:00	0.0052	0.0037	0.0024	0.0020	0.0019	0.0024	0.0019
23.	12:00-13:00	0.0045	0.0032	0.0023	0.0018	0.0018	0.0033	0.0018
24.	13:00-14:00	0.0027	0.0026	0.0022	0.0016	0.0030	0.0022	0.0020
Minimum		0.0018	0.0019	0.0016	0.0012	0.0017	0.0019	0.0018
Maximum		0.0052	0.0043	0.0050	0.0055	0.0034	0.0033	0.0032
Average		0.0030	0.0028	0.0028	0.0024	0.0022	0.0023	0.0021
Standard[1]		0.17						

Standard : [1] Notification of the National Environment Board No. 33 (2009) (B.E. 2552)

Wannasiri S.
Wannasiri Suriyawong

Somchai P.
Somchai Piyavorasakul
General Manager

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Thai Environmental Technic Limited
บริษัท เทคนิคสิ่งแวดล้อมไทย จำกัด

ORIGINAL
ต้นฉบับ

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1/6 ซอยรามคำแหง 145 แขวงสะพานสูง เขตสะพานสูง กรุงเทพมหานคร 10240 Tel : 0-2373-7799 (Auto) Fax : 0-2373-7979

TEST REPORT

Customer Name : THAI ENGINEERING PRODUCTS CO., LTD.
Address : 101/90 Moo. 20 Navanakorn Industrial Estate, Phaholyothin Road, Khlong Nueng, Khlong Luang, Pathumthani 12120
Job No. : S660327/Oct

Report No. : 3192/2023/2-41
Report Date : October 26, 2023
Sampling Date : October 5-12, 2023
Type of Sample : Ambient Air

Item	Time	Result						
		สถานีอนามัยเชียงรากน้อย						
		NO_2 (ppm)						
		05-06/10/23	06-07/10/23	07-08/10/23	08-09/10/23	09-10/10/23	10-11/10/23	11-12/10/23
1.	13:00-14:00	0.0028	0.0031	0.0022	0.0019	0.0017	0.0020	0.0019
2.	14:00-15:00	0.0027	0.0018	0.0026	0.0018	0.0023	0.0016	0.0018
3.	15:00-16:00	0.0030	0.0027	0.0030	0.0020	0.0019	0.0028	0.0020
4.	16:00-17:00	0.0021	0.0021	0.0033	0.0030	0.0029	0.0021	0.0030
5.	17:00-18:00	0.0020	0.0023	0.0043	0.0047	0.0021	0.0025	0.0027
6.	18:00-19:00	0.0029	0.0021	0.0045	0.0026	0.0020	0.0025	0.0025
7.	19:00-20:00	0.0025	0.0022	0.0038	0.0032	0.0023	0.0022	0.0031
8.	20:00-21:00	0.0035	0.0019	0.0016	0.0028	0.0029	0.0032	0.0034
9.	21:00-22:00	0.0034	0.0027	0.0022	0.0026	0.0033	0.0031	0.0025
10.	22:00-23:00	0.0016	0.0029	0.0026	0.0027	0.0025	0.0025	0.0023
11.	23:00-00:00	0.0031	0.0016	0.0017	0.0025	0.0020	0.0018	0.0024
12.	00:00-01:00	0.0029	0.0026	0.0021	0.0019	0.0016	0.0018	0.0024
13.	01:00-02:00	0.0018	0.0016	0.0016	0.0024	0.0016	0.0019	0.0025
14.	02:00-03:00	0.0023	0.0024	0.0016	0.0024	0.0023	0.0016	0.0022
15.	03:00-04:00	0.0025	0.0016	0.0021	0.0023	0.0024	0.0016	0.0023
16.	04:00-05:00	0.0018	0.0020	0.0019	0.0021	0.0016	0.0016	0.0020
17.	05:00-06:00	0.0026	0.0022	0.0019	0.0020	0.0016	0.0017	0.0019
18.	06:00-07:00	0.0018	0.0019	0.0024	0.0024	0.0020	0.0021	0.0018
19.	07:00-08:00	0.0020	0.0022	0.0017	0.0019	0.0017	0.0019	0.0021
20.	08:00-09:00	0.0017	0.0016	0.0031	0.0016	0.0016	0.0017	0.0020
21.	09:00-10:00	0.0023	0.0020	0.0016	0.0022	0.0016	0.0016	0.0017
22.	10:00-11:00	0.0028	0.0019	0.0018	0.0019	0.0021	0.0018	0.0017
23.	11:00-12:00	0.0028	0.0022	0.0039	0.0021	0.0018	0.0039	0.0023
24.	12:00-13:00	0.0016	0.0016	0.0021	0.0023	0.0020	0.0021	0.0025
Minimum		0.0016	0.0016	0.0016	0.0016	0.0016	0.0016	0.0017
Maximum		0.0035	0.0031	0.0045	0.0047	0.0033	0.0039	0.0034
Average		0.0024	0.0021	0.0025	0.0024	0.0021	0.0021	0.0023
Standard[1]		0.17						

Standard : [1] Notification of the National Environment Board No. 33 (2009) (B.E. 2552)

Wannasiri S.
Wannasiri Suriyawong

บริษัท เทคนิคสิ่งแวดล้อมไทย จำกัด
TET
Thai Environmental Technic Limited

Somchai P.
Somchai Piyavorasakul
General Manager

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E-mail : admin@tet1995.com
Tel : 0-2373-7799 (Auto) Fax : 0-2373-7979

ORIGINAL
ต้นฉบับ

TEST REPORT

Customer Name : THAI ENGINEERING PRODUCTS CO., LTD.
Address : 101/90 Moo. 20 Navanakorn Industrial Estate, Phaholyothin Road, Khlong Nueng, Khlong Luang, Pathumthani 12120
Job No. : S660327/Oct

Report No. : 3192/2023/3-41
Report Date : October 26, 2023
Sampling Date : October 5-12, 2023
Type of Sample : Ambient Air

Item	Time	Result						
		มหาวิทยาลัยราชภัฏวไลอลงกรณ์เพชรบุรี						
		NO_2 (ppm)						
		05-06/10/23	06-07/10/23	07-08/10/23	08-09/10/23	09-10/10/23	10-11/10/23	11-12/10/23
1.	12:00-13:00	0.0032	0.0049	0.0043	0.0049	0.0024	0.0027	0.0029
2.	13:00-14:00	0.0036	0.0029	0.0026	0.0029	0.0023	0.0025	0.0027
3.	14:00-15:00	0.0042	0.0044	0.0027	0.0044	0.0024	0.0034	0.0028
4.	15:00-16:00	0.0043	0.0046	0.0029	0.0036	0.0027	0.0027	0.0037
5.	16:00-17:00	0.0027	0.0028	0.0034	0.0030	0.0027	0.0025	0.0026
6.	17:00-18:00	0.0025	0.0025	0.0038	0.0047	0.0031	0.0026	0.0026
7.	18:00-19:00	0.0024	0.0032	0.0040	0.0030	0.0026	0.0026	0.0026
8.	19:00-20:00	0.0027	0.0026	0.0030	0.0033	0.0036	0.0024	0.0026
9.	20:00-21:00	0.0034	0.0025	0.0035	0.0031	0.0039	0.0025	0.0026
10.	21:00-22:00	0.0027	0.0027	0.0034	0.0040	0.0035	0.0026	0.0027
11.	22:00-23:00	0.0035	0.0027	0.0024	0.0026	0.0027	0.0026	0.0026
12.	23:00-00:00	0.0033	0.0042	0.0030	0.0026	0.0025	0.0026	0.0026
13.	00:00-01:00	0.0029	0.0033	0.0031	0.0025	0.0025	0.0026	0.0028
14.	01:00-02:00	0.0037	0.0031	0.0035	0.0025	0.0031	0.0025	0.0026
15.	02:00-03:00	0.0039	0.0028	0.0040	0.0026	0.0031	0.0026	0.0026
16.	03:00-04:00	0.0029	0.0029	0.0038	0.0023	0.0025	0.0026	0.0026
17.	04:00-05:00	0.0035	0.0034	0.0040	0.0025	0.0026	0.0027	0.0026
18.	05:00-06:00	0.0029	0.0033	0.0038	0.0046	0.0029	0.0034	0.0026
19.	06:00-07:00	0.0044	0.0053	0.0055	0.0028	0.0027	0.0038	0.0032
20.	07:00-08:00	0.0037	0.0042	0.0041	0.0025	0.0027	0.0038	0.0029
21.	08:00-09:00	0.0051	0.0042	0.0051	0.0022	0.0026	0.0031	0.0027
22.	09:00-10:00	0.0057	0.0042	0.0057	0.0026	0.0025	0.0030	0.0025
23.	10:00-11:00	0.0050	0.0037	0.0050	0.0023	0.0023	0.0036	0.0024
24.	11:00-12:00	0.0032	0.0032	0.0032	0.0022	0.0036	0.0028	0.0026
Minimum		0.0024	0.0025	0.0024	0.0022	0.0023	0.0024	0.0024
Maximum		0.0057	0.0053	0.0057	0.0049	0.0039	0.0038	0.0037
Average		0.0036	0.0035	0.0037	0.0031	0.0028	0.0028	0.0027
Standard[1]		0.17						

Standard : [1] Notification of the National Environment Board No. 33 (2009) (B.E. 2552)

Wannasiri S.
Wannasiri Suriyawong

Somchai P.
Somchai Piyavorasakul
General Manager

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E-mail : admin@tet1995.com
Tel : 0-2373-7799 (Auto) Fax : 0-2373-7979

ORIGINAL
ต้นฉบับ

TEST REPORT

Customer Name : THAI ENGINEERING PRODUCTS CO., LTD.
Address : 101/90 Moo. 20 Navanakorn Industrial Estate, Phaholyothin Road, Khlong Nueng, Khlong Luang, Pathumthani 12120
Job No. : S660327/Oct

Report No. : 3192/2023/4-41
Report Date : October 26, 2023
Sampling Date : October 5-12, 2023
Type of Sample : Ambient Air

Item	Time	Result						
		สำนักงานเขตปลอดอากรนวนคร						
		NO_2 (ppm)						
		05-06/10/23	06-07/10/23	07-08/10/23	08-09/10/23	09-10/10/23	10-11/10/23	11-12/10/23
1.	11:00-12:00	0.0038	0.0034	0.0034	0.0041	0.0034	0.0037	0.0028
2.	12:00-13:00	0.0024	0.0041	0.0033	0.0035	0.0040	0.0031	0.0030
3.	13:00-14:00	0.0024	0.0041	0.0032	0.0031	0.0038	0.0039	0.0028
4.	14:00-15:00	0.0027	0.0034	0.0036	0.0045	0.0038	0.0030	0.0030
5.	15:00-16:00	0.0030	0.0035	0.0026	0.0036	0.0043	0.0035	0.0030
6.	16:00-17:00	0.0033	0.0030	0.0041	0.0034	0.0033	0.0033	0.0034
7.	17:00-18:00	0.0027	0.0031	0.0036	0.0035	0.0033	0.0032	0.0038
8.	18:00-19:00	0.0032	0.0032	0.0042	0.0044	0.0031	0.0033	0.0042
9.	19:00-20:00	0.0030	0.0028	0.0038	0.0030	0.0034	0.0031	0.0034
10.	20:00-21:00	0.0029	0.0029	0.0043	0.0032	0.0030	0.0031	0.0034
11.	21:00-22:00	0.0029	0.0029	0.0026	0.0030	0.0029	0.0032	0.0033
12.	22:00-23:00	0.0031	0.0033	0.0038	0.0031	0.0031	0.0032	0.0039
13.	23:00-00:00	0.0032	0.0035	0.0036	0.0033	0.0034	0.0033	0.0036
14.	00:00-01:00	0.0033	0.0036	0.0030	0.0033	0.0031	0.0033	0.0035
15.	01:00-02:00	0.0035	0.0038	0.0029	0.0033	0.0033	0.0035	0.0036
16.	02:00-03:00	0.0031	0.0035	0.0030	0.0035	0.0029	0.0036	0.0035
17.	03:00-04:00	0.0030	0.0030	0.0029	0.0036	0.0031	0.0037	0.0032
18.	04:00-05:00	0.0031	0.0032	0.0036	0.0040	0.0035	0.0038	0.0033
19.	05:00-06:00	0.0030	0.0040	0.0022	0.0039	0.0043	0.0028	0.0041
20.	06:00-07:00	0.0037	0.0033	0.0021	0.0026	0.0042	0.0024	0.0028
21.	07:00-08:00	0.0039	0.0030	0.0029	0.0031	0.0042	0.0023	0.0027
22.	08:00-09:00	0.0039	0.0038	0.0021	0.0037	0.0034	0.0046	0.0037
23.	09:00-10:00	0.0033	0.0041	0.0035	0.0036	0.0034	0.0029	0.0036
24.	10:00-11:00	0.0031	0.0042	0.0040	0.0043	0.0039	0.0041	0.0037
Minimum		0.0024	0.0028	0.0021	0.0026	0.0029	0.0023	0.0027
Maximum		0.0039	0.0042	0.0043	0.0045	0.0043	0.0046	0.0042
Average		0.0032	0.0034	0.0033	0.0035	0.0035	0.0033	0.0034
Standard[1]		0.17						

Standard : [1] Notification of the National Environment Board No. 33 (2009) (B.E. 2552)

Wannasiri S.
Wannasiri Suriyawong

Somchai P.
Somchai Piyavorasakul
General Manager

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E-mail : admin@tet1995.com
Tel : 0-2373-7799 (Auto) Fax : 0-2373-7979

ORIGINAL
ต้นฉบับ

TEST REPORT

Customer Name : THAI ENGINEERING PRODUCTS CO., LTD.
Address : 101/90 Moo. 20 Navanakorn Industrial Estate, Phaholyothin Road, Khlong Nueng, Khlong Luang, Pathumthani 12120
Job No. : S660327/Oct

Report No. : 3192/2023/5-41
Report Date : October 26, 2023
Sampling Date : October 5-12, 2023
Type of Sample : WS & WD

Item	Time	สำนักงานเขตปลอดอากรนวนคร													
		05-06/10/23		06-07/10/23		07-08/10/23		08-09/10/23		09-10/10/23		10-11/10/23		11-12/10/23	
		WS	WD	WS	WD	WS	WD	WS	WD	WS	WD	WS	WD	WS	WD
1.	11.00	0.4	NNW	0.4	N	0.4	SW	0.4	NNE	1.3	S	1.3	SSW	1.8	SSW
2.	12.00	0.9	NNE	0.4	SSW	0.4	NNE	0.0	SE	1.8	SSW	0.4	WSW	1.3	SSW
3.	13.00	0.9	N	0.4	NNE	0.4	NNE	0.0	ESE	1.8	SSW	0.9	NE	2.2	SSW
4.	14.00	0.9	N	0.9	NE	0.4	NNE	0.0	ENE	1.3	NNE	1.3	NE	1.3	NNE
5.	15.00	0.9	NNE	0.9	N	0.4	NNE	0.4	SSW	1.8	SE	0.9	NNE	2.2	ESE
6.	16.00	0.9	NNE	0.4	N	0.4	NNE	0.4	SSW	2.2	SSE	0.9	NNE	2.2	SSW
7.	17.00	1.3	SW	0.9	ENE	0.4	NNE	0.4	SSE	1.8	SSW	0.9	NNE	2.2	S
8.	18.00	1.3	SW	0.4	ENE	0.4	NNE	1.8	NNE	1.8	SSW	0.9	NNE	1.8	SSE
9.	19.00	1.8	SSW	0.4	N	0.0	NNE	2.2	NE	1.3	SSW	0.0	NNE	1.8	SE
10.	20.00	1.8	SW	0.0	SW	0.0	NNE	1.3	NE	1.3	E	0.0	NNE	0.9	E
11.	21.00	1.3	N	0.9	SW	0.0	NNE	0.4	E	0.4	ESE	0.0	NNE	0.0	E
12.	22.00	0.0	NE	0.0	SW	0.4	NNE	0.9	SSW	0.0	E	0.4	N	0.0	E
13.	23.00	0.0	NE	0.4	SW	0.4	N	0.0	SSW	0.0	E	0.0	NNE	0.0	E
14.	00.00	0.0	NE	0.0	WSW	0.0	N	0.0	SSW	0.0	E	0.0	NNE	0.0	E
15.	01.00	0.0	SW	1.3	WSW	0.0	N	0.0	SSW	0.0	E	0.0	NNE	0.0	E
16.	02.00	0.0	SW	0.4	WSW	0.4	NNE	0.0	SSW	0.0	E	0.0	NNE	0.0	E
17.	03.00	0.0	SW	0.9	WSW	0.0	NNE	0.4	SSW	0.0	E	0.0	NNE	0.0	E
18.	04.00	0.4	SW	0.9	WSW	0.9	N	0.9	NNE	0.0	E	0.4	N	0.0	E
19.	05.00	0.9	SW	0.4	WSW	1.3	NNE	1.3	NNE	0.0	E	2.2	NNE	0.0	E
20.	06.00	0.9	SW	0.4	WSW	1.3	NNE	0.4	NE	0.0	E	1.3	NNE	0.0	E
21.	07.00	0.9	SW	0.4	WSW	0.4	NNE	0.9	NNE	0.4	NE	0.9	NNE	0.0	NE
22.	08.00	0.4	SSW	0.4	WSW	0.0	NNW	0.4	SE	0.4	NE	0.0	NNE	0.9	NE
23.	09.00	0.9	SSW	0.9	WSW	0.0	NNW	0.4	SW	0.9	ENE	0.0	NNE	0.9	ENE
24.	10.00	0.9	SSW	0.9	SW	0.0	N	0.9	SW	0.9	ENE	0.0	NNE	1.8	SSW
Average		0.7	-	0.6	-	0.3	-	0.6	-	0.8	-	0.5	-	0.9	-

Remark : WS = WIND SPEED (m/s)
WD = WIND DIRECTION

Wannasiri S.
Wannasiri Suriyawong

Somchai P.
Somchai Piyavorasakul
General Manager

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ORIGINAL
ต้นฉบับ

TEST REPORT

Analysis No. : R23-3247
Received Date : 10/10/23
Customer : Technical Division of Thai Environmental Technic Limited
For THAI ENGINEERING PRODUCTS CO., LTD.
โครงการขยายกำลังการผลิตโรงงานผลิตชิ้นส่วนยานยนต์จากอลูมิเนียม
Address : 101/90 Moo 20 Navanakorn Industrial Estate, Phaholyothin Road, Khlong Nueng, Khlong Luang, Pathum Thani 12120
Contact : Tel. (02) 909 1724-33 # 6315 Fax. (02) 909 1724-33 # 6106

Report Date : 26/10/23
Analysis Date : 10-16/10/23
Job No. : S660327/Oct/Occ
Sampling By : TET
Type of Sample : Working Area

Sample No.	Sampling point	Parameter	Unit	Sampling Date	Result	Standard[1]	Analysis Date
	อาคาร Melting						
	Furnace-J						
2310-AW0341 (1/2)	- Area	Total Dust	mg/m^3	09/10/23	< 0.010	10[2]	10-12/10/23
		NO_2	ppm	09/10/23	< 0.0005	5 *	12/10/23
		Al Fume	mg/m^3	09/10/23	< 0.04	-	16/10/23
2310-AW0341 (2/2)	- Person	Respirable Dust	mg/m^3	09/10/23	< 0.010	3[2]	10-12/10/23
		Al Fume	mg/m^3	09/10/23	< 0.04	-	16/10/23
	Furnace-I						
2310-AW0342 (1/2)	- Area	Total Dust	mg/m^3	09/10/23	< 0.010	10[2]	10-12/10/23
		NO_2	ppm	09/10/23	< 0.0005	5 *	12/10/23
		Al Fume	mg/m^3	09/10/23	< 0.04	-	16/10/23
2310-AW0342 (2/2)	- Person	Respirable Dust	mg/m^3	09/10/23	< 0.010	3[2]	10-12/10/23
		Al Fume	mg/m^3	09/10/23	< 0.04	-	16/10/23

Remark * Ceiling

Method :
- Total Dust - Filtering, Gravimetric (NIOSH 0500, Issue 2 :Aug 1994)
- NO_2 - Solid Sorbent Tube, Colorimetric (NIOSH 6014, Issue 1: Aug 15 1994)
- Al Fume - Filtering, ICP (NIOSH 7300, Issue 3 :Mar 2003)
- Respirable Dust - Filtering, Gravimetric (NIOSH 0600, Issue 3 :Jan 1998)

Standard
(1) Notification of the Department of Labour Protection and Welfare. (2017) (B.E. 2560) (TLV-TWA)
(2) American Conference of Governmental Industrial Hygienists ; ACGIH (TLV-TWA)

Reviewed by
Ms. Wareerut Prachumdaeng
Chief of Laboratory
26/10/23

บริษัท เทคนิคสิ่งแวดล้อมไทย จำกัด
Thai Environmental Technic Limited

Approved by
Mrs. Porntip Pethshee
Laboratory Manager
26/10/23

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Thai Environmental Technic Limited
บริษัท เทคนิคสิ่งแวดล้อมไทย จำกัด

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E-mail : admin@tet1995.com
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ORIGINAL
ต้นฉบับ

TEST REPORT

Analysis No. : R23-3247
Received Date : 09/10/23
Customer : Technical Division of Thai Environmental Technic Limited
For THAI ENGINEERING PRODUCTS CO., LTD.
โครงการขยายกำลังการผลิตโรงงานผลิตชิ้นส่วนยานยนต์จากอลูมิเนียม
Address : 101/90 Moo 20 Navanakorn Industrial Estate, Phaholyothin Road, Khlong Nueng, Khlong Luang, Pathum Thani 12120
Contact : Tel. (02) 909 1724-33 # 6315 Fax. (02) 909 1724-33 # 6106

Report Date : 26/10/23
Analysis Date : 09-16/10/23
Job No. : S660327/Oct/Occ
Sampling By : TET
Type of Sample : Working Area

Sample No.	Sampling point	Parameter	Unit	Sampling Date	Result	Standard[1]	Analysis Date
	DC1/800-6						
2310-AW0277 (1/2)	- Area	Total Dust	mg/m^3	06/10/23	0.250	10[2]	09-11/10/23
		Al Fume	mg/m^3	06/10/23	< 0.04	-	16/10/23
		Oil Mist	mg/m^3	06/10/23	< 0.1	5[2]	10-11/10/23
		NO_2	ppm	06/10/23	< 0.0005	5 *	12/10/23
2310-AW0277 (2/2)	- Person	Respirable Dust	mg/m^3	06/10/23	< 0.010	3[2]	09-11/10/23
		Al Fume	mg/m^3	06/10/23	< 0.04	-	16/10/23
		Oil Mist	mg/m^3	06/10/23	< 0.1	5[2]	10-11/10/23
	DC1/800-8						
2310-AW0278 (1/2)	- Area	Total Dust	mg/m^3	06/10/23	< 0.010	10[2]	09-11/10/23
		Al Fume	mg/m^3	06/10/23	< 0.04	-	16/10/23
		Oil Mist	mg/m^3	06/10/23	< 0.1	5[2]	10-11/10/23
		NO_2	ppm	06/10/23	< 0.0005	5 *	12/10/23
2310-AW0278 (2/2)	- Person	Respirable Dust	mg/m^3	06/10/23	< 0.010	3[2]	09-11/10/23
		Al Fume	mg/m^3	06/10/23	< 0.04	-	16/10/23
		Oil Mist	mg/m^3	06/10/23	< 0.1	5[2]	10-11/10/23
	DC2/500 No. 5						
2310-AW0275 (1/2)	- Area	Total Dust	mg/m^3	05/10/23	< 0.010	10[2]	09-11/10/23
		Al Fume	mg/m^3	05/10/23	< 0.04	-	16/10/23
		Oil Mist	mg/m^3	05/10/23	< 0.1	5[2]	10-11/10/23
		NO_2	ppm	05/10/23	0.0361	5 *	12/10/23
2310-AW0275 (2/2)	- Person	Respirable Dust	mg/m^3	05/10/23	< 0.010	3[2]	09-11/10/23
		Al Fume	mg/m^3	05/10/23	< 0.04	-	16/10/23
		Oil Mist	mg/m^3	05/10/23	< 0.1	5[2]	10-11/10/23

Remark * Ceiling

Method :
- Total Dust - Filtering, Gravimetric (NIOSH 0500, Issue 2 :Aug 1994)
- Al Fume - Filtering, ICP (NIOSH 7300, Issue 3 :Mar 2003)
- Oil Mist - Filtering, Gravimetric (OSHA ID 128)
- NO_2 - Solid Sorbent Tube, Colorimetric (NIOSH 6014, Issue 1: Aug 15 1994)
- Respirable Dust - Filtering, Gravimetric (NIOSH 0600, Issue 3 :Jan 1998)

Standard
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(2) American Conference of Governmental Industrial Hygienists ; ACGIH (TLV-TWA)

Reviewed by
Ms. Wareerut Prachumdaeng
Chief of Laboratory
26/10/23

Approved by
Mrs. Porntip Pethshee
Laboratory Manager
26/10/23

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ORIGINAL
ต้นฉบับ

TEST REPORT

Analysis No. : R23-3247
Received Date : 09, 12/10/23
Customer : Technical Division of Thai Environmental Technic Limited
For THAI ENGINEERING PRODUCTS CO., LTD.
โครงการขยายกำลังการผลิตโรงงานผลิตชิ้นส่วนยานยนต์จากอลูมิเนียม
Address : 101/90 Moo 20 Navanakorn Industrial Estate, Phaholyothin Road, Khlong Nueng, Khlong Luang, Pathum Thani 12120
Contact : Tel. (02) 909 1724-33 # 6315 Fax. (02) 909 1724-33 # 6106

Report Date : 26/10/23
Analysis Date : 09-19/10/23
Job No. : S660327/Oct/Occ
Sampling By : TET
Type of Sample : Working Area

Sample No.	Sampling point	Parameter	Unit	Sampling Date	Result	Standard[1]	Analysis Date
	DC2/650 # 2						
2310-AW0276 (1/2)	- Area	Total Dust	mg/m^3	05/10/23	0.067	10[2]	09-11/10/23
		Al Fume	mg/m^3	05/10/23	< 0.04	-	16/10/23
		Oil Mist	mg/m^3	05/10/23	< 0.1	5[2]	10-11/10/23
		NO_2	ppm	05/10/23	0.0698	5 *	12/10/23
2310-AW0276 (2/2)	- Person	Respirable Dust	mg/m^3	05/10/23	< 0.010	3[2]	09-11/10/23
		Al Fume	mg/m^3	05/10/23	< 0.04	-	16/10/23
		Oil Mist	mg/m^3	05/10/23	< 0.1	5[2]	10-11/10/23
	DC3/1250 # 3						
2310-AW0515 (1/2)	- Area	Total Dust	mg/m^3	11/10/23	0.250	10[2]	12-17/10/23
		Al Fume	mg/m^3	11/10/23	< 0.04	-	16/10/23
		Oil Mist	mg/m^3	11/10/23	< 0.1	5[2]	18-19/10/23
		NO_2	ppm	11/10/23	0.0079	5 *	17/10/23
2310-AW0515 (2/2)	- Person	Respirable Dust	mg/m^3	11/10/23	< 0.010	3[2]	12-17/10/23
		Al Fume	mg/m^3	11/10/23	< 0.04	-	16/10/23
		Oil Mist	mg/m^3	11/10/23	< 0.1	5[2]	18-19/10/23
	DC3/HVSC No. 2						
2310-AW0516 (1/2)	- Area	Total Dust	mg/m^3	11/10/23	0.083	10[2]	12-17/10/23
		Al Fume	mg/m^3	11/10/23	< 0.04	-	16/10/23
		Oil Mist	mg/m^3	11/10/23	< 0.1	5[2]	18-19/10/23
		NO_2	ppm	11/10/23	0.0035	5 *	17/10/23
2310-AW0516 (2/2)	- Person	Respirable Dust	mg/m^3	11/10/23	< 0.010	3[2]	12-17/10/23
		Al Fume	mg/m^3	11/10/23	< 0.04	-	16/10/23
		Oil Mist	mg/m^3	11/10/23	< 0.1	5[2]	18-19/10/23

Remark * Ceiling

Method :
- Total Dust - Filtering, Gravimetric (NIOSH 0500, Issue 2 :Aug 1994)
- Al Fume - Filtering, ICP (NIOSH 7300, Issue 3 :Mar 2003)
- Oil Mist - Filtering, Gravimetric (OSHA ID 128)
- NO_2 - Solid Sorbent Tube, Colorimetric (NIOSH 6014, Issue 1: Aug 15 1994)
- Respirable Dust - Filtering, Gravimetric (NIOSH 0600, Issue 3 :Jan 1998)

Standard
(1) Notification of the Department of Labour Protection and Welfare. (2017) (B.E. 2560) (TLV-TWA)
(2) American Conference of Governmental Industrial Hygienists ; ACGIH (TLV-TWA)

Reviewed by
Ms. Wareerut Prachumdaeng
Chief of Laboratory
26/10/23

Approved by
Mrs. Porntip Pethshee
Laboratory Manager
26/10/23

บริษัท เทคนิคสิ่งแวดล้อมไทย จำกัด TET Thai Environmental Technic Limited

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บริษัท เทคนิคสิ่งแวดล้อมไทย จำกัด

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ORIGINAL
ต้นฉบับ

TEST REPORT

Analysis No. : R23-3247
Received Date : 09, 10/10/23
Customer : Technical Division of Thai Environmental Technic Limited
For THAI ENGINEERING PRODUCTS CO., LTD.
โครงการขยายกำลังการผลิตโรงงานผลิตชิ้นส่วนยานยนต์จากอลูมิเนียม
Address : 101/90 Moo 20 Navanakorn Industrial Estate, Phaholyothin Road, Khlong Nueng, Khlong Luang, Pathum Thani 12120
Contact : Tel. (02) 909 1724-33 # 6315 Fax. (02) 909 1724-33 # 6106

Report Date : 26/10/23
Analysis Date : 09-16/10/23
Job No. : S660327/Oct/Occ
Sampling By : TET
Type of Sample : Working Area

Sample No.	Sampling point	Parameter	Unit	Sampling Date	Result	Standard[1]	Analysis Date
	DC1/800-2						
2310-AW0279 (1/2)	- Area	Total Dust	mg/m^3	06/10/23	0.251	10[2]	09-11/10/23
		Al Fume	mg/m^3	06/10/23	< 0.04	-	16/10/23
		Oil Mist	mg/m^3	06/10/23	< 0.1	5[2]	10-11/10/23
		NO_2	ppm	06/10/23	< 0.0005	5 *	12/10/23
2310-AW0279 (2/2)	- Person	Respirable Dust	mg/m^3	06/10/23	0.067	3[2]	09-11/10/23
		Al Fume	mg/m^3	06/10/23	< 0.04	-	16/10/23
		Oil Mist	mg/m^3	06/10/23	< 0.1	5[2]	10-11/10/23
	Trimming DC2 No. 5						
2310-AW0343 (1/2)	- Area	Total Dust	mg/m^3	09/10/23	0.502	10[2]	10-12/10/23
		Al Fume	mg/m^3	09/10/23	< 0.04	-	16/10/23
		Oil Mist	mg/m^3	09/10/23	< 0.1	5[2]	12-16/10/23
		NO_2	ppm	09/10/23	< 0.0005	5 *	12/10/23
2310-AW0343 (2/2)	- Person	Respirable Dust	mg/m^3	09/10/23	< 0.010	3[2]	10-12/10/23
		Al Fume	mg/m^3	09/10/23	< 0.04	-	16/10/23
		Oil Mist	mg/m^3	09/10/23	< 0.1	5[2]	12-16/10/23

Remark * Ceiling

Method :
- Total Dust - Filtering, Gravimetric (NIOSH 0500, Issue 2 :Aug 1994)
- Al Fume - Filtering, ICP (NIOSH 7300, Issue 3 :Mar 2003)
- Oil Mist - Filtering, Gravimetric (OSHA ID 128)
- NO_2 - Solid Sorbent Tube, Colorimetric (NIOSH 6014, Issue 1: Aug 15 1994)
- Respirable Dust - Filtering, Gravimetric (NIOSH 0600, Issue 3 :Jan 1998)

Standard
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(2) American Conference of Governmental Industrial Hygienists ; ACGIH (TLV-TWA)

Reviewed by
Ms. Wareerut Prachumdaeng
Chief of Laboratory
26/10/23

Approved by
Mrs. Porntip Pethshee
Laboratory Manager
26/10/23

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ORIGINAL
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TEST REPORT

Analysis No. : R23-3247
Received Date : 12/10/23
Customer : Technical Division of Thai Environmental Technic Limited
For THAI ENGINEERING PRODUCTS CO., LTD.
โครงการขยายกำลังการผลิตโรงงานผลิตชิ้นส่วนยานยนต์จากอลูมิเนียม
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Contact : Tel. (02) 909 1724-33 # 6315 Fax. (02) 909 1724-33 # 6106

Report Date : 26/10/23
Analysis Date : 12-19/10/23
Job No. : S660327/Oct/Occ
Sampling By : TET
Type of Sample : Working Area

Sample No.	Sampling point	Parameter	Unit	Sampling Date	Result	Standard[1]	Analysis Date
	DC3/850 No. 15						
2310-AW0517 (1/2)	- Area	Total Dust	mg/m^3	11/10/23	< 0.010	10[2]	12-17/10/23
		Al Fume	mg/m^3	11/10/23	< 0.04	-	16/10/23
		Oil Mist	mg/m^3	11/10/23	< 0.1	5[2]	18-19/10/23
		NO_2	ppm	11/10/23	0.0054	5 *	17/10/23
2310-AW0517 (2/2)	- Person	Respirable Dust	mg/m^3	11/10/23	< 0.010	3[2]	12-17/10/23
		Al Fume	mg/m^3	11/10/23	< 0.04	-	16/10/23
		Oil Mist	mg/m^3	11/10/23	< 0.1	5[2]	18-19/10/23
	Trimming DC3/T1						
2310-AW0518 (1/2)	- Area	Total Dust	mg/m^3	11/10/23	< 0.010	10[2]	12-17/10/23
		Al Fume	mg/m^3	11/10/23	< 0.04	-	16/10/23
		Oil Mist	mg/m^3	11/10/23	< 0.1	5[2]	18-19/10/23
		NO_2	ppm	11/10/23	< 0.0005	5 *	17/10/23
2310-AW0518 (2/2)	- Person	Respirable Dust	mg/m^3	11/10/23	< 0.010	3[2]	12-17/10/23
		Al Fume	mg/m^3	11/10/23	< 0.04	-	16/10/23
		Oil Mist	mg/m^3	11/10/23	< 0.1	5[2]	18-19/10/23

Remark * Ceiling

Method :
- Total Dust - Filtering, Gravimetric (NIOSH 0500, Issue 2 :Aug 1994)
- Al Fume - Filtering, ICP (NIOSH 7300, Issue 3 :Mar 2003)
- Oil Mist - Filtering, Gravimetric (OSHA ID 128)
- NO_2 - Solid Sorbent Tube, Colorimetric (NIOSH 6014, Issue 1: Aug 15 1994)
- Respirable Dust - Filtering, Gravimetric (NIOSH 0600, Issue 3 :Jan 1998)

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Reviewed by
Ms. Wareerut Prachumdaeng
Chief of Laboratory
26/10/23

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Thai Environmental Technic Limited

Approved by
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Laboratory Manager
26/10/23

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ORIGINAL
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TEST REPORT

Analysis No. : R23-3247
Received Date : 11/10/23
Customer : Technical Division of Thai Environmental Technic Limited
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Report Date : 26/10/23
Analysis Date : 11-17/10/23
Job No. : S660327/Oct/Occ
Sampling By : TET
Type of Sample : Working Area

Sample No.	Sampling point	Parameter	Unit	Sampling Date	Result	Standard[1]	Analysis Date
	GC2/Knocking + Cutting (Set D)						
2310-AW0458 (1/2)	- Area	Total Dust	mg/m^3	10/10/23	0.167	10[2]	11-17/10/23
		SiO_2	mg/m^3	10/10/23	< 0.02	0.025	16/10/23
		NO_2	ppm	10/10/23	< 0.0005	5 *	12/10/23
		Al Fume	mg/m^3	10/10/23	< 0.04	-	16/10/23
2310-AW0458 (2/2)	- Person	Respirable Dust	mg/m^3	10/10/23	0.133	3[2]	11-17/10/23
		SiO_2	mg/m^3	10/10/23	< 0.02	0.025	16/10/23
		Al Fume	mg/m^3	10/10/23	< 0.04	-	16/10/23
	GC2/1-23						
2310-AW0459 (1/2)	- Area	Total Dust	mg/m^3	10/10/23	0.252	10[2]	11-17/10/23
		SiO_2	mg/m^3	10/10/23	< 0.02	0.025	16/10/23
		NO_2	ppm	10/10/23	< 0.0005	5 *	12/10/23
		Al Fume	mg/m^3	10/10/23	< 0.04	-	16/10/23
2310-AW0459 (2/2)	- Person	Respirable Dust	mg/m^3	10/10/23	< 0.010	3[2]	11-17/10/23
		SiO_2	mg/m^3	10/10/23	< 0.02	0.025	16/10/23
		Al Fume	mg/m^3	10/10/23	< 0.04	-	16/10/23
	GC2/1-19						
2310-AW0460 (1/2)	- Area	Total Dust	mg/m^3	10/10/23	0.168	10[2]	11-17/10/23
		SiO_2	mg/m^3	10/10/23	< 0.02	0.025	16/10/23
		NO_2	ppm	10/10/23	< 0.0005	5 *	12/10/23
		Al Fume	mg/m^3	10/10/23	< 0.04	-	16/10/23
2310-AW0460 (2/2)	- Person	Respirable Dust	mg/m^3	10/10/23	0.134	3[2]	11-17/10/23
		SiO_2	mg/m^3	10/10/23	< 0.02	0.025	16/10/23
		Al Fume	mg/m^3	10/10/23	< 0.04	-	16/10/23

Remark * Ceiling
: ค่า Reading SiO_2 2310-AW0458 (1/2) = 0.00 mg, 2310-AW0458 (2/2) = 0.00 mg, 2310-AW0459 (1/2) = 0.00 mg, 2310-AW0459 (2/2) = 0.00 mg, 2310-AW0460 (1/2) = 0.00 mg, 2310-AW0460 (2/2) = 0.00 mg

Method :
- Total Dust - Filtering, Gravimetric (NIOSH 0500, Issue 2 :Aug 1994)
- SiO_2 - Filtering, Colorimetric (NIOSH 7601, Issue 3 :Mar 15, 2003)
- NO_2 - Solid Sorbent Tube, Colorimetric (NIOSH 6014, Issue 1: Aug 15 1994)
- Al Fume - Filtering, ICP (NIOSH 7300, Issue 3 :Mar 2003)
- Respirable Dust - Filtering, Gravimetric (NIOSH 0600, Issue 3 :Jan 1998)

Standard
(1) Notification of the Department of Labour Protection and Welfare. (2017) (B.E. 2560) (TLV-TWA)
(2) American Conference of Governmental Industrial Hygienists ; ACGIH (TLV-TWA)

Reviewed by
Ms. Wareerut Prachumdaeng
Chief of Laboratory
26.10.23

Approved by
Mrs. Porntip Pethshee
Laboratory Manager
26.10.23

บริษัท เทคนิคสิ่งแวดล้อมไทย จำกัด Thai Environmental Technic Limited

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ORIGINAL
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TEST REPORT

Analysis No. : R23-3247
Received Date : 11/10/23
Customer : Technical Division of Thai Environmental Technic Limited
For THAI ENGINEERING PRODUCTS CO., LTD.
โครงการขยายกำลังการผลิตโรงงานผลิตชิ้นส่วนยานยนต์จากอลูมิเนียม
Address : 101/90 Moo 20 Navanakorn Industrial Estate, Phaholyothin Road, Khlong Nueng, Khlong Luang, Pathum Thani 12120
Contact : Tel. (02) 909 1724-33 # 6315 Fax. (02) 909 1724-33 # 6106

Report Date : 26/10/23
Analysis Date : 11-17/10/23
Job No. : S660327/Oct/Occ
Sampling By : TET
Type of Sample : Working Area

Sample No.	Sampling point	Parameter	Unit	Sampling Date	Result	Standard[1]	Analysis Date
	GC2/Shell Core RG 003						
2310-AW0461 (1/2)	- Area	Total Dust	mg/m^3	10/10/23	0.168	10[2]	11-17/10/23
		SiO_2	mg/m^3	10/10/23	< 0.02	0.025	16/10/23
		NO_2	ppm	10/10/23	< 0.0005	5 *	12/10/23
		Al Fume	mg/m^3	10/10/23	< 0.04	-	16/10/23
2310-AW0461 (2/2)	- Person	Respirable Dust	mg/m^3	10/10/23	< 0.010	3[2]	11-17/10/23
		SiO_2	mg/m^3	10/10/23	< 0.02	0.025	16/10/23
		Al Fume	mg/m^3	10/10/23	< 0.04	-	16/10/23
	GC2/Trimming						
2310-AW0462 (1/2)	- Area	Total Dust	mg/m^3	10/10/23	< 0.010	10[2]	11-17/10/23
		SiO_2	mg/m^3	10/10/23	< 0.02	0.025	16/10/23
		NO_2	ppm	10/10/23	< 0.0005	5 *	12/10/23
		Al Fume	mg/m^3	10/10/23	< 0.04	-	16/10/23
2310-AW0462 (2/2)	- Person	Respirable Dust	mg/m^3	10/10/23	< 0.010	3[2]	11-17/10/23
		SiO_2	mg/m^3	10/10/23	< 0.02	0.025	16/10/23
		Al Fume	mg/m^3	10/10/23	< 0.04	-	16/10/23

Remark * Ceiling
: ค่า Reading SiO_2 2310-AW0461 (1/2) = 0.00 mg, 2310-AW0461 (2/2) = 0.00 mg,
2310-AW0462 (1/2) = 0.00 mg, 2310-AW0462 (2/2) = 0.00 mg

Method :
Total Dust - Filtering, Gravimetric (NIOSH 0500, Issue 2 :Aug 1994)
SiO_2 - Filtering, Colorimetric (NIOSH 7601, Issue 3 :Mar 15, 2003)
NO_2 - Solid Sorbent Tube, Colorimetric (NIOSH 6014, Issue 1: Aug 15 1994)
Al Fume - Filtering, ICP (NIOSH 7300, Issue 3 :Mar 2003)
Respirable Dust - Filtering, Gravimetric (NIOSH 0600, Issue 3 :Jan 1998)

Standard (1) Notification of the Department of Labour Protection and Welfare, (2017) (B.E. 2560) (TLV-TWA)
(2) American Conference of Governmental Industrial Hygienists ; ACGIH (TLV-TWA)

Reviewed by
Ms. Wareerut Prachumdaeng
Chief of Laboratory
26/10/23

Approved by
Mrs. Porntip Pethshee
Laboratory Manager
26/10/23

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ORIGINAL
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TEST REPORT

Analysis No. : R23-3247
Received Date : 10, 12/10/23
Customer : Technical Division of Thai Environmental Technic Limited
For THAI ENGINEERING PRODUCTS CO., LTD.
โครงการขยายกำลังการผลิตโรงงานผลิตชิ้นส่วนยานยนต์จากอลูมิเนียม
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Contact : Tel. (02) 909 1724-33 # 6315 Fax. (02) 909 1724-33 # 6106

Report Date : 26/10/23
Analysis Date : 10-19/10/23
Job No. : S660327/Oct/Occ
Sampling By : TET
Type of Sample : Working Area

Sample No.	Sampling point	Parameter	Unit	Sampling Date	Result	Standard	Analysis Date
	MC2/I/M6						
2310-AW0344 (1/2)	- Area	Total Dust	mg/m^3	09/10/23	< 0.010	10	10-12/10/23
		Oil Mist	mg/m^3	09/10/23	< 0.1	5	12-16/10/23
2310-AW0344 (2/2)	- Person	Respirable Dust	mg/m^3	09/10/23	< 0.010	3	10-12/10/23
		Oil Mist	mg/m^3	09/10/23	< 0.1	5	12-16/10/23
	MC1/I/M8						
2310-AW0519 (1/2)	- Area	Total Dust	mg/m^3	11/10/23	< 0.010	10	12-17/10/23
		Oil Mist	mg/m^3	11/10/23	< 0.1	5	18-19/10/23
2310-AW0519 (2/2)	- Person	Respirable Dust	mg/m^3	11/10/23	< 0.010	3	12-17/10/23
		Oil Mist	mg/m^3	11/10/23	< 0.1	5	18-19/10/23
	MC2/ELB/COMP/I1-3						
2310-AW0345 (1/2)	- Area	Total Dust	mg/m^3	09/10/23	0.168	10	10-12/10/23
		Oil Mist	mg/m^3	09/10/23	< 0.1	5	12-16/10/23
2310-AW0345 (2/2)	- Person	Respirable Dust	mg/m^3	09/10/23	< 0.010	3	10-12/10/23
		Oil Mist	mg/m^3	09/10/23	< 0.1	5	12-16/10/23
	MC2/A/TRM 2						
2310-AW0346 (1/2)	- Area	Total Dust	mg/m^3	09/10/23	0.251	10	10-12/10/23
		Oil Mist	mg/m^3	09/10/23	< 0.1	5	12-16/10/23
2310-AW0346 (2/2)	- Person	Respirable Dust	mg/m^3	09/10/23	< 0.010	3	10-12/10/23
		Oil Mist	mg/m^3	09/10/23	< 0.1	5	12-16/10/23

Method : Total Dust - Filtering, Gravimetric (NIOSH 0500, Issue 2 :Aug 1994)
Oil Mist - Filtering, Gravimetric (OSHA ID 128)
Respirable Dust - Filtering, Gravimetric (NIOSH 0600, Issue 3 :Jan 1998)

Standard : American Conference of Governmental Industrial Hygienists : ACGIH (TLV-TWA)

Reviewed by
Ms. Wareerut Prachumdaeng
Chief of Laboratory
26/10/23

บริษัท เทคนิคสิ่งแวดล้อมไทย จำกัด TET Thai Environmental Technic Limited

Approved by
Mrs. Porntip Pethshee
Laboratory Manager
26/10/23

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ORIGINAL
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TEST REPORT

Analysis No. : R23-3247
Received Date : 10, 12/10/23
Customer : Technical Division of Thai Environmental Technic Limited
For THAI ENGINEERING PRODUCTS CO., LTD.
โครงการขยายกำลังการผลิตโรงงานผลิตชิ้นส่วนยานยนต์จากอลูมิเนียม
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Contact : Tel. (02) 909 1724-33 # 6315 Fax. (02) 909 1724-33 # 6106

Report Date : 26/10/23
Analysis Date : 10-19/10/23
Job No. : S660327/Oct/Occ
Sampling By : TET
Type of Sample : Working Area

Sample No.	Sampling point	Parameter	Unit	Sampling Date	Result	Standard	Analysis Date
	MC1/HO/P/FR1-2						
2310-AW0520 (1/2)	- Area	Total Dust	mg/m^3	11/10/23	< 0.010	10	12-17/10/23
		Oil Mist	mg/m^3	11/10/23	< 0.1	5	18-19/10/23
2310-AW0520 (2/2)	- Person	Respirable Dust	mg/m^3	11/10/23	< 0.010	3	12-17/10/23
		Oil Mist	mg/m^3	11/10/23	< 0.1	5	18-19/10/23
	MC2/HO/EX 2						
2310-AW0347 (1/2)	- Area	Total Dust	mg/m^3	09/10/23	0.084	10	10-12/10/23
		Oil Mist	mg/m^3	09/10/23	< 0.1	5	12-16/10/23
2310-AW0347 (2/2)	- Person	Respirable Dust	mg/m^3	09/10/23	< 0.010	3	10-12/10/23
		Oil Mist	mg/m^3	09/10/23	< 0.1	5	12-16/10/23
	MC1/HO/P/FR1-5						
2310-AW0521 (1/2)	- Area	Total Dust	mg/m^3	11/10/23	< 0.010	10	12-17/10/23
		Oil Mist	mg/m^3	11/10/23	< 0.1	5	18-19/10/23
2310-AW0521 (2/2)	- Person	Respirable Dust	mg/m^3	11/10/23	< 0.010	3	12-17/10/23
		Oil Mist	mg/m^3	11/10/23	< 0.1	5	18-19/10/23
	MC1/A2						
2310-AW0522 (1/2)	- Area	Total Dust	mg/m^3	11/10/23	0.083	10	12-17/10/23
		Oil Mist	mg/m^3	11/10/23	< 0.1	5	18-19/10/23
2310-AW0522 (2/2)	- Person	Respirable Dust	mg/m^3	11/10/23	< 0.010	3	12-17/10/23
		Oil Mist	mg/m^3	11/10/23	< 0.1	5	18-19/10/23

Method : Total Dust - Filtering, Gravimetric (NIOSH 0500, Issue 2 :Aug 1994)
Oil Mist - Filtering, Gravimetric (OSHA ID 128)
Respirable Dust - Filtering, Gravimetric (NIOSH 0600, Issue 3 :Jan 1998)

Standard : American Conference of Governmental Industrial Hygienists : ACGIH (TLV-TWA)

Reviewed by
Ms. Wareerut Prachumdaeng
Chief of Laboratory
26/10/23

บริษัท เทคนิคสิ่งแวดล้อมไทย จำกัด TET Thai Environmental Technic Limited

Approved by
Mrs. Porntip Pethshee
Laboratory Manager
26/10/23

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Thai Environmental Technic Limited
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ORIGINAL
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TEST REPORT

Analysis No. : R23-3247
Received Date : 09/10/23
Customer : Technical Division of Thai Environmental Technic Limited
For THAI ENGINEERING PRODUCTS CO., LTD.
โครงการขยายกำลังการผลิตโรงงานผลิตชิ้นส่วนยานยนต์จากอลูมิเนียม
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Contact : Tel. (02) 909 1724-33 # 6315 Fax. (02) 909 1724-33 # 6106

Report Date : 26/10/23
Analysis Date : 09-11/10/23
Job No. : S660327/Oct/Occ
Sampling By : TET
Type of Sample : Working Area

Sample No.	Sampling point	Parameter	Unit	Sampling Date	Result	Standard	Analysis Date
2310-AW0280 (1/2)	Ganshin - Area	Total Dust	mg/m^3	06/10/23	0.502	10	09-11/10/23
		Oil Mist	mg/m^3	06/10/23	< 0.1	5	10-11/10/23
2310-AW0280 2/2)	- Person	Respirable Dust	mg/m^3	06/10/23	< 0.010	3	09-11/10/23
		Oil Mist	mg/m^3	06/10/23	< 0.1	5	10-11/10/23

Method : Total Dust - Filtering, Gravimetric (NIOSH 0500, Issue 2 :Aug 1994)
Oil Mist - Filtering, Gravimetric (OSHA ID 128)
Respirable Dust - Filtering, Gravimetric (NIOSH 0600, Issue 3 :Jan 1998)

Standard : American Conference of Governmental Industrial Hygienists : ACGIH (TLV-TWA)

Reviewed by
Ms. Wareerut Prachumdaeng
Chief of Laboratory
26/10/23

Approved by
Mrs. Porntip Pethshee
Laboratory Manager
26/10/23

บริษัท เทคนิคสิ่งแวดล้อมไทย จำกัด
Thai Environmental Technic Limited

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ORIGINAL
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TEST REPORT

Analysis No. : R23-4173
Received Date : 25/12/23
Customer : Technical Division of Thai Environmental Technic Limited
For THAI ENGINEERING PRODUCTS CO., LTD.
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Address : 101/90 Moo 20 Navanakorn Industrial Estate, Phaholyothin Road, Khlong Nueng, Khlong Luang, Pathum Thani 12120
Contact : Tel. (02) 909 1724-33 # 6315 Fax. (02) 909 1724-33 # 6106

Report Date : 04/01/24
Analysis Date : 25-29/12/23
Job No. : S660327/Dec/Occ/1
Sampling By : TET
Type of Sample : Working Area

Sample No.	Sampling point	Parameter	Unit	Sampling Date	Result	Standard	Analysis Date
	อาคาร MT (Kaizen)						
2312-AW0710 (1/2)	- Area	Total Dust	mg/m^3	22/12/23	< 0.010	10	25-27/12/23
		Oil Mist	mg/m^3	22/12/23	< 0.1	5	28-29/12/23
2312-AW0710 (2/2)	- Person	Respirable Dust	mg/m^3	22/12/23	< 0.010	3	25-27/12/23
		Oil Mist	mg/m^3	22/12/23	< 0.1	5	28-29/12/23

Method : Total Dust - Filtering, Gravimetric (NIOSH 0500, Issue 2 :Aug 1994)
Oil Mist - Filtering, Gravimetric (OSHA ID 128)
Respirable Dust - Filtering, Gravimetric (NIOSH 0600, Issue 3 :Jan 1998)

Standard : American Conference of Governmental Industrial Hygienists ; ACGIH (TLV-TWA)

Reviewed by
Ms. Wareerut Prachumdaeng
Chief of Laboratory
04/01/24

Approved by
Mrs. Porntip Pethshee
Laboratory Manager
04/01/24

..... END OF REPORT .....

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ORIGINAL
ต้นฉบับ

TEST REPORT

Analysis No. : R23-2164
Received Date: 10/07/23
Customer : Technical Division of Thai Environmental Technic Limited
For THAI ENGINEERING PRODUCTS CO., LTD.
โครงการขยายกำลังการผลิตโรงงานผลิตชิ้นส่วนยานยนต์จากอลูมิเนียม
Address : 101/90 Moo. 20 Navanakorn Industrial Estate, Phaholyothin Road, Khlong Nueng, Khlong Luang, Pathum Thani 12120
Contact : Tel. (02) 909 1724-33 # 6315 Fax. (02) 909 1724-33 # 6106

Report Date : 19/07/23
Analysis Date : 08-17/07/23
Job No. : S660608
Sampling Date : 08/07/23
Sampling By : TET
Type of Sample : Wastewater

Sample Conditions : 2307-WW0245 =black turbid/high black sediment/covered with oil slick/smell

Item	Parameter	Unit	Method	Result 2307-WW0245 EQ (น้ำเข้า)	Analysis Date
1	Temperature	°C	Laboratory and Field, Methods (SM 2550B)	34.5	08/07/23
2	pH	-	Electrometric Method (SM 4500 B)	5.66	08/07/23
3	Conductivity	µs/cm	Laboratory Method (SM 2510 B)	1,065	14/07/23
4	SS	mg/L	Volumetric, Dried at 103-105 °C (SM 2540 F)	266.0	14/07/23
5	TDS	mg/L	Dried at 180 °C (SM 2540 C)	630	14/07/23
6	BOD	mg/L	5-Days BOD Test, Azide Modification Method (SM 5210 B)	1,350	12-17/07/23
7	COD	mg/L	Closed Reflux Titrimetric Method (SM 5220 C)	4,277	12/07/3
8	Oil & Grease	mg/L	Liquid-Liquid, Partition Gravimetric Method (SM 5520 B)	805.0	14/07/23
9	TKN	mg/L	Macro-Kjeldahl/Titrimetric Method (SM 4500-N_{org} B&4500-NH_3 C)	90.88	13/07/23
10	Al	mg/L	Digestion, ICP-OES Method (SM 3030F and 3120B)	1.57	13/07/23

Remarks : EQ (น้ำเข้า) = 47P 0671762 UTM 1562186
Method : SM = Standard Method for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017

Reviewed by
Ms. Wareerut Prachumdaeng
Chief of Laboratory
19/07/23

Approved by
Mrs. Porntip Pethshee
Laboratory Manager
19/07/23

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Thai Environmental Technic Limited
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ORIGINAL
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TEST REPORT

Analysis No. : R23-2439
Received Date: 07/08/23
Customer : Technical Division of Thai Environmental Technic Limited
For THAI ENGINEERING PRODUCTS CO., LTD.
โครงการขยายกำลังการผลิตโรงงานผลิตชิ้นส่วนยานยนต์จากอลูมิเนียม
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Contact : Tel. (02) 909 1724-33 # 6315 Fax. (02) 909 1724-33 # 6106

Report Date : 17/08/23
Analysis Date : 04-15/08/23
Job No. : S660693
Sampling Date : 04/08/23
Sampling By : TET
Type of Sample : Wastewater

Sample Conditions : 2308-WW0146 = black turbid/high black sediment/covered with oil slick/smell

Item	Parameter	Unit	Method	Result 2308-WW0146 EQ (น้ำเข้า)	Analysis Date
1	Temperature	°C	Laboratory and Field, Methods (SM 2550B)	33.4	04/08/23
2	pH	-	Electrometric Method (SM 4500 B)	6.59	04/08/23
3	Conductivity	µs/cm	Laboratory Method (SM 2510 B)	1,195	08/08/23
4	SS	mg/L	Volumetric, Dried at 103-105 °C (SM 2540 F)	828.8	10/08/23
5	TDS	mg/L	Dried at 180 °C (SM 2540 C)	985	11/08/23
6	BOD	mg/L	5-Days BOD Test, Azide Modification Method (SM 5210 B)	920	10-15/08/23
7	COD	mg/L	Closed Reflux Titrimetric Method (SM 5220 C)	3,084	09/08/23
8	Oil & Grease	mg/L	Liquid-Liquid, Partition Gravimetric Method (SM 5520 B)	398.3	09/08/23
9	TKN	mg/L	Macro-Kjeldahl/Titrimetric Method (SM 4500-N_{org} B&4500-NH_3 C)	58.13	10/08/23
10	Al	mg/L	Digestion, ICP-OES Method (SM 3030F and 3120B)	4.02	11/08/23

Remarks : EQ (น้ำเข้า) = 47P 0671762 UTM 1562186
Method : SM = Standard Method for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017

Reviewed by
Ms. Wareerut Prachumdaeng
Chief of Laboratory
17/09/23

Approved by
Mrs. Porntip Pethshee
Laboratory Manager
17/09/23

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TEST REPORT

Analysis No. : R23-2758
Received Date: 04/09/23
Customer : Technical Division of Thai Environmental Technic Limited
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Contact : Tel. (02) 909 1724-33 # 6315 Fax. (02) 909 1724-33 # 6106

Report Date : 12/09/23
Analysis Date : 01-08/09/23
Job No. : S660748
Sampling Date : 01/09/23
Sampling By : TET
Type of Sample : Wastewater

Sample Conditions : 2309-WW0007 = black turbid/high black sediment/covered with oil slick/smell

Item	Parameter	Unit	Method	Result 2309-WW0007 EQ (น้ำเข้า)	Analysis Date
1	Temperature	°C	Laboratory and Field, Methods (SM 2550B)	32.9	01/09/23
2	pH	-	Electrometric Method (SM 4500 B)	6.77	01/09/23
3	Conductivity	µs/cm	Laboratory Method (SM 2510 B)	977	05/09/23
4	SS	mg/L	Volumetric, Dried at 103-105 °C (SM 2540 F)	171.9	05/09/23
5	TDS	mg/L	Dried at 180 °C (SM 2540 C)	760	05/09/23
6	BOD	mg/L	5-Days BOD Test, Azide Modification Method (SM 5210 B)	495	01-06/09/23
7	COD	mg/L	Closed Reflux Titrimetric Method (SM 5220 C)	1,615	05/09/23
8	Oil & Grease	mg/L	Liquid-Liquid, Partition Gravimetric Method (SM 5520 B)	297.4	05/09/23
9	TKN	mg/L	Macro-Kjeldahl/Titrimetric Method (SM 4500-N_{org} B&4500-NH_3 C)	51.98	05/09/23
10	Al	mg/L	Digestion, ICP-OES Method (SM 3030F and 3120B)	1.93	08/09/23

Remarks : EQ (น้ำเข้า) = 47P 0671762 UTM 1562186
Method : SM = Standard Method for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017

Reviewed by
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Chief of Laboratory
12/09/23

Approved by
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12/09/23

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TEST REPORT

Analysis No. : R23-3206
Received Date: 09/10/23
Customer : Technical Division of Thai Environmental Technic Limited
For THAI ENGINEERING PRODUCTS CO., LTD.
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Report Date : 19/10/23
Analysis Date : 06-16/10/23
Job No. : S660829
Sampling Date : 06/10/23
Sampling By : TET
Type of Sample : Wastewater

Sample Conditions : 2310-WW0235 = black turbid/high black sediment/covered with oil slick/smell

Item	Parameter	Unit	Method	Result 2310-WW0235 EQ (น้ำเข้า)	Analysis Date
1	Temperature	°C	Laboratory and Field, Methods (SM 2550B)	33.2	06/10/23
2	pH	-	Electrometric Method (SM 4500 B)	7.24	06/10/23
3	Conductivity	µs/cm	Laboratory Method (SM 2510 B)	814	11/10/23
4	SS	mg/L	Volumetric, Dried at 103-105 °C (SM 2540 F)	178.8	10/10/23
5	TDS	mg/L	Dried at 180 °C (SM 2540 C)	544	10-11/10/23
6	BOD	mg/L	5-Days BOD Test, Azide Modification Method (SM 5210 B)	970	11-16/10/23
7	COD	mg/L	Closed Reflux Titrimetric Method (SM 5220 C)	2,621	10/10/23
8	Oil & Grease	mg/L	Liquid-Liquid, Partition Gravimetric Method (SM 5520 B)	308.5	12/10/23
9	TKN	mg/L	Macro-Kjeldahl/Titrimetric Method (SM 4500-N_{org} B&4500-NH_3 C)	48.79	11/10/23
10	Al	mg/L	Digestion, ICP-OES Method (SM 3030F and 3120B)	1.93	16/10/23

Remarks : EQ (น้ำเข้า) = 47P 0671762 UTM 1562186
Method : SM = Standard Method for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017

Reviewed by
Ms. Wareerut Prachumdaeng
Chief of Laboratory
19/10/23

Approved by
Mrs. Pornlip Pethshee
Laboratory Manager
19/10/23

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TEST REPORT

Analysis No. : R23-3502
Received Date: 06/11/23
Customer : Technical Division of Thai Environmental Technic Limited
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Report Date : 15/11/23
Analysis Date : 03-13/11/23
Job No. : S660882
Sampling Date : 03/11/23
Sampling By : TET
Type of Sample : Wastewater

Sample Conditions : 2311-WW0157 = black turbid/high black sediment/covered with oil slick/smell

Item	Parameter	Unit	Method	Result 2311-WW0157 EQ (น้ำเข้า)	Analysis Date
1	Temperature	°C	Laboratory and Field, Methods (SM 2550B)	37.7	03/11/23
2	pH	-	Electrometric Method (SM 4500 B)	5.96	03/11/23
3	Conductivity	µs/cm	Laboratory Method (SM 2510 B)	969	09/11/23
4	SS	mg/L	Volumetric, Dried at 103-105 °C (SM 2540 F)	464.3	08/11/23
5	TDS	mg/L	Dried at 180 °C (SM 2540 C)	732	07/11/23
6	BOD	mg/L	5-Days BOD Test, Azide Modification Method (SM 5210 B)	1,300	08-13/11/23
7	COD	mg/L	Closed Reflux Titrimetric Method (SM 5220 C)	4,983	08/11/23
8	Oil & Grease	mg/L	Liquid-Liquid, Partition Gravimetric Method (SM 5520 B)	1,163.1	08/11/23
9	TKN	mg/L	Macro-Kjeldahl/Titrimetric Method (SM 4500-N_{org} B&4500-NH_3 C)	70.03	07/11/23
10	Al	mg/L	Digestion, ICP-OES Method (SM 3030F and 3120B)	69.85	07/11/23

Remarks : EQ (น้ำเข้า) = 47P 0671762 UTM 1562186
Method : SM = Standard Method for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017

Reviewed by
Ms. Wareerut Prachumdaeng
Chief of Laboratory
15.11.23

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Thai Environmental Technic Limited

Approved by
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Laboratory Manager
15.11.23

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TEST REPORT

Analysis No. : R23-3851
Received Date: 04/12/23
Customer : Technical Division of Thai Environmental Technic Limited
For THAI ENGINEERING PRODUCTS CO., LTD.
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Report Date : 14/12/23
Analysis Date : 01-11/12/23
Job No. : S660927
Sampling Date : 01/12/23
Sampling By : TET
Type of Sample : Wastewater

Sample Conditions : 2312-WW0020 = black turbid/high black sediment/covered with oil slick/smell

Item	Parameter	Unit	Method	Result 2312-WW0020 EQ (น้ำเข้า)	Analysis Date
1	Temperature	°C	Laboratory and Field, Methods (SM 2550B)	33.2	01/12/23
2	pH	-	Electrometric Method (SM 4500 B)	7.56	01/12/23
3	Conductivity	µs/cm	Laboratory Method (SM 2510 B)	1,018	07/12/23
4	SS	mg/L	Volumetric, Dried at 103-105 °C (SM 2540 F)	157.1	07/12/23
5	TDS	mg/L	Dried at 180 °C (SM 2540 C)	686	07/12/23
6	BOD	mg/L	5-Days BOD Test, Azide Modification Method (SM 5210 B)	485	06-11/12/23
7	COD	mg/L	Closed Reflux Titrimetric Method (SM 5220 C)	1,405	06/12/23
8	Oil & Grease	mg/L	Liquid-Liquid, Partition Gravimetric Method (SM 5520 B)	181.9	06/12/23
9	TKN	mg/L	Macro-Kjeldahl/Titrimetric Method (SM 4500-N_{org} B&4500-NH_3 C)	43.01	06-07/12/23
10	Al	mg/L	Digestion, ICP-OES Method (SM 3030F and 3120B)	1.63	11/12/23

Remarks : EQ (น้ำเข้า) = 47P 0671762 UTM 1562186
Method : SM = Standard Method for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017

Reviewed by
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Chief of Laboratory
14.12.23

Approved by
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Laboratory Manager
14.12.23

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TEST REPORT

Analysis No. : R23-2164
Received Date: 10/07/23
Customer : Technical Division of Thai Environmental Technic Limited
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Report Date : 19/07/23
Analysis Date : 08-17/07/23
Job No. : S660608
Sampling Date : 08/07/23
Sampling By : TET
Type of Sample : Wastewater

Sample Conditions : 2307-WW0246 = yellow turbid/slight white sediment

Item	Parameter	Unit	Method	Result 2307-WW0246 Effluent	Standard	Analysis Date
1	Temperature	^{0}C	Laboratory and Field, Methods (SM 2550B)	33.6	45	08/07/23
2	pH	-	Electrometric Method (SM 4500 B)	7.88	6-9	08/07/23
3	Conductivity	µs/cm	Laboratory Method (SM 2510 B)	357	-	14/07/23
4	SS	mg/L	Volumetric, Dried at 103-105 ^{0}C (SM 2540 F)	3.2	500	14/07/23
5	TDS	mg/L	Dried at 180 ^{0}C (SM 2540 C)	196	3,000	14/07/23
6	BOD	mg/L	5-Days BOD Test, Azide Modification Method (SM 5210 B)	2	450	12-17/07/23
7	COD	mg/L	Closed Reflux Titrimetric Method (SM 5220 C)	19	600	12/07/3
8	Oil & Grease	mg/L	Liquid-Liquid, Partition Gravimetric Method (SM 5520 B)	0.7	100	14/07/23
9	TKN	mg/L	Macro-Kjeldahl/Titrimetric Method (SM 4500-N_{org} B&4500-NH_3 C)	2.32	100	13/07/23
10	Al	mg/L	Digestion, ICP-OES Method (SM 3030F and 3120B)	< 0.20	5.0	13/07/23

Remarks : Effluent = 47P 0671663 UTM 1562195
Method : SM = Standard Method for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017
Standard : Standard of Central Waste Water Treatment Plant in Nava Nakorn Industrial Zone (2016) (B.E. 2559)

Reviewed by
Ms. Wareerut Prachumdaeng
Chief of Laboratory
19/07/23

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Thai Environmental Technic Limited

Approved by
Mrs. Porntip Pethshee
Laboratory Manager
19/07/23

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TEST REPORT

Analysis No. : R23-2439
Received Date: 07/08/23
Customer : Technical Division of Thai Environmental Technic Limited
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Report Date : 17/08/23
Analysis Date : 04-15/08/23
Job No. : S660693
Sampling Date : 04/08/23
Sampling By : TET
Type of Sample : Wastewater

Sample Conditions : 2308-WW0147 = yellow turbid/slight black sediment

Item	Parameter	Unit	Method	Result 2308-WW0147 Effluent	Standard	Analysis Date
1	Temperature	°C	Laboratory and Field, Methods (SM 2550B)	31.6	45	04/08/23
2	pH	-	Electrometric Method (SM 4500 B)	7.70	6-9	04/08/23
3	Conductivity	µs/cm	Laboratory Method (SM 2510 B)	435	-	08/08/23
4	SS	mg/L	Volumetric, Dried at 103-105 °C (SM 2540 F)	< 2.5	500	10/08/23
5	TDS	mg/L	Dried at 180 °C (SM 2540 C)	230	3,000	11/08/23
6	BOD	mg/L	5-Days BOD Test, Azide Modification Method (SM 5210 B)	3	450	10-15/08/23
7	COD	mg/L	Closed Reflux Titrimetric Method (SM 5220 C)	29	600	09/08/23
8	Oil & Grease	mg/L	Liquid-Liquid, Partition Gravimetric Method (SM 5520 B)	0.4	100	09/08/23
9	TKN	mg/L	Macro-Kjeldahl/Titrimetric Method (SM 4500-N_{org} B&4500-NH_3 C)	1.23	100	10/08/23
10	Al	mg/L	Digestion, ICP-OES Method (SM 3030F and 3120B)	< 0.20	5.0	11/08/23

Remarks : Effluent = 47P 0671663 UTM 1562195
Method : SM = Standard Method for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017
Standard : Standard of Central Waste Water Treatment Plant in Nava Nakorn Industrial Zone (2016) (B.E. 2559)

Reviewed by
Ms. Wareerut Prachumdaeng
Chief of Laboratory
17/08/23

Approved by
Mrs. Porntip Pethshee
Laboratory Manager
17/08/23

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TEST REPORT

Analysis No. : R23-2758
Received Date: 04/09/23
Customer : Technical Division of Thai Environmental Technic Limited
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Contact : Tel. (02) 909 1724-33 # 6315 Fax. (02) 909 1724-33 # 6106

Report Date : 12/09/23
Analysis Date : 01-08/09/23
Job No. : S660748
Sampling Date : 01/09/23
Sampling By : TET
Type of Sample : Wastewater

Sample Conditions : 2309-WW0008 = yellow turbid/slight black sediment

Item	Parameter	Unit	Method	Result 2309-WW0008 Effluent	Standard	Analysis Date
1	Temperature	°C	Laboratory and Field, Methods (SM 2550B)	32.3	45	01/09/23
2	pH	-	Electrometric Method (SM 4500 B)	8.39	6-9	01/09/23
3	Conductivity	µs/cm	Laboratory Method (SM 2510 B)	365	-	05/09/23
4	SS	mg/L	Volumetric, Dried at 103-105 °C (SM 2540 F)	< 2.5	500	05/09/23
5	TDS	mg/L	Dried at 180 °C (SM 2540 C)	227	3,000	05/09/23
6	BOD	mg/L	5-Days BOD Test, Azide Modification Method (SM 5210 B)	< 1	450	01-06/09/23
7	COD	mg/L	Closed Reflux Titrimetric Method (SM 5220 C)	9	600	05/09/23
8	Oil & Grease	mg/L	Liquid-Liquid, Partition Gravimetric Method (SM 5520 B)	0.4	100	05/09/23
9	TKN	mg/L	Macro-Kjeldahl/Titrimetric Method (SM 4500-N_{org} B&4500-NH_3 C)	0.78	100	05/09/23
10	Al	mg/L	Digestion, ICP-OES Method (SM 3030F and 3120B)	< 0.20	5.0	08/09/23

Remarks : Effluent = 47P 0671663 UTM 1562195
Method : SM = Standard Method for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017
Standard : Standard of Central Waste Water Treatment Plant in Nava Nakorn Industrial Zone (2016) (B.E. 2559)

Reviewed by
Ms. Wareerut Prachumdaeng
Chief of Laboratory
12/09/23

Approved by
Mrs. Porntip Pethshee
Laboratory Manager
12/09/23

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TEST REPORT

Analysis No. : R23-3206
Received Date: 09/10/23
Customer : Technical Division of Thai Environmental Technic Limited
For THAI ENGINEERING PRODUCTS CO., LTD.
โครงการขยายกำลังการผลิตโรงงานผลิตชิ้นส่วนยานยนต์จากอลูมิเนียม
Address : 101/90 Moo. 20 Navanakorn Industrial Estate, Phaholyothin Road, Khlong Nueng, Khlong Luang, Pathum Thani 12120
Contact : Tel. (02) 909 1724-33 # 6315 Fax. (02) 909 1724-33 # 6106

Report Date : 19/10/23
Analysis Date : 06-16/10/23
Job No. : S660829
Sampling Date : 06/10/23
Sampling By : TET
Type of Sample : Wastewater

Sample Conditions : 2310-WW0236 = yellow turbid/high white sediment

Item	Parameter	Unit	Method	Result 2310-WW0236 Effluent	Standard	Analysis Date
1	Temperature	°C	Laboratory and Field, Methods (SM 2550B)	30.6	45	06/10/23
2	pH	-	Electrometric Method (SM 4500 B)	7.87	6-9	06/10/23
3	Conductivity	µs/cm	Laboratory Method (SM 2510 B)	1,105	-	11/10/23
4	SS	mg/L	Volumetric, Dried at 103-105 °C (SM 2540 F)	< 2.5	500	10/10/23
5	TDS	mg/L	Dried at 180 °C (SM 2540 C)	494	3,000	10-11/10/23
6	BOD	mg/L	5-Days BOD Test, Azide Modification Method (SM 5210 B)	6	450	11-16/10/23
7	COD	mg/L	Closed Reflux Titrimetric Method (SM 5220 C)	117	600	10/10/23
8	Oil & Grease	mg/L	Liquid-Liquid, Partition Gravimetric Method (SM 5520 B)	0.6	100	12/10/23
9	TKN	mg/L	Macro-Kjeldahl/Titrimetric Method (SM 4500-N_{org} B&4500-NH_3 C)	0.80	100	11/10/23
10	Al	mg/L	Digestion, ICP-OES Method (SM 3030F and 3120B)	< 0.20	5.0	16/10/23

Remarks : Effluent = 47P 0671663 UTM 1562195
Method : SM = Standard Method for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017
Standard : Standard of Central Waste Water Treatment Plant in Nava Nakorn Industrial Zone (2016) (B.E. 2559)

Reviewed by
Ms. Wareerut Prachumdaeng
Chief of Laboratory
19/10/23

บริษัท เทคนิคสิ่งแวดล้อมไทย จำกัด TET Thai Environmental Technic Limited

Approved by
Mrs. Porntip Pethshee
Laboratory Manager
19/10/23

..... END OF REPORT .....

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Thai Environmental Technic Limited
บริษัท เทคนิคสิ่งแวดล้อมไทย จำกัด

1/6 Soi Ramkhamhaeng 145, Khwaeng / Khet Saphansung, Bangkok 10240
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E-mail : admin@tet1995.com
Tel : 0-2373-7799 (Auto) Fax : 0-2373-7979

ORIGINAL
ต้นฉบับ

TEST REPORT

Analysis No. : R23-3502
Received Date: 06/11/23
Customer : Technical Division of Thai Environmental Technic Limited
For THAI ENGINEERING PRODUCTS CO., LTD.
โครงการขยายกำลังการผลิตโรงงานผลิตชิ้นส่วนยานยนต์จากอลูมิเนียม
Address : 101/90 Moo. 20 Navanakorn Industrial Estate, Phaholyothin Road, Khlong Nueng, Khlong Luang, Pathum Thani 12120
Contact : Tel. (02) 909 1724-33 # 6315 Fax. (02) 909 1724-33 # 6106

Report Date : 15/11/23
Analysis Date : 03-13/11/23
Job No. : S660882
Sampling Date : 03/11/23
Sampling By : TET
Type of Sample : Wastewater

Sample Conditions : 2311-WW0158 = light yellow/slight black sediment

Item	Parameter	Unit	Method	Result 2311-WW0158 Effluent	Standard	Analysis Date
1	Temperature	°C	Laboratory and Field, Methods (SM 2550B)	32.8	45	03/11/23
2	pH	-	Electrometric Method (SM 4500 B)	8.01	6-9	03/11/23
3	Conductivity	µs/cm	Laboratory Method (SM 2510 B)	234	-	09/11/23
4	SS	mg/L	Volumetric, Dried at 103-105 °C (SM 2540 F)	< 2.5	500	08/11/23
5	TDS	mg/L	Dried at 180 °C (SM 2540 C)	150	3,000	07/11/23
6	BOD	mg/L	5-Days BOD Test, Azide Modification Method (SM 5210 B)	1	450	08-13/11/23
7	COD	mg/L	Closed Reflux Titrimetric Method (SM 5220 C)	14	600	08/11/23
8	Oil & Grease	mg/L	Liquid-Liquid, Partition Gravimetric Method (SM 5520 B)	0.6	100	08/11/23
9	TKN	mg/L	Macro-Kjeldahl/Titrimetric Method (SM 4500-N_{org} B&4500-NH_3 C)	1.26	100	07/11/23
10	Al	mg/L	Digestion, ICP-OES Method (SM 3030F and 3120B)	< 0.20	5.0	07/11/23

Remarks : Effluent = 47P 0671663 UTM 1562195
Method : SM = Standard Method for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017
Standard : Standard of Central Waste Water Treatment Plant in Nava Nakorn Industrial Zone (2016) (B.E. 2559)

Reviewed by
Ms. Wareerut Prachumdaeng
Chief of Laboratory
15/11/23

Approved by
Mrs. Porntip Pethshee
Laboratory Manager
15/11/23

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Thai Environmental Technic Limited
บริษัท เทคนิคสิ่งแวดล้อมไทย จำกัด

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E-mail : admin@tet1995.com
Tel : 0-2373-7799 (Auto) Fax : 0-2373-7979

ORIGINAL
ต้นฉบับ

TEST REPORT

Analysis No. : R23-3851
Received Date: 04/12/23
Customer : Technical Division of Thai Environmental Technic Limited
For THAI ENGINEERING PRODUCTS CO., LTD.
โครงการขยายกำลังการผลิตโรงงานผลิตชิ้นส่วนยานยนต์จากอลูมิเนียม
Address : 101/90 Moo. 20 Navanakorn Industrial Estate, Phaholyothin Road, Khlong Nueng, Khlong Luang, Pathum Thani 12120
Contact : Tel. (02) 909 1724-33 # 6315 Fax. (02) 909 1724-33 # 6106

Report Date : 14/12/23
Analysis Date : 01-11/12/23
Job No. : S660927
Sampling Date : 01/12/23
Sampling By : TET
Type of Sample : Wastewater

Sample Conditions : 2312-WW0021 = yellow turbid/slight white sediment

Item	Parameter	Unit	Method	Result 2312-WW0021 Effluent	Standard	Analysis Date
1	Temperature	^{0}C	Laboratory and Field, Methods (SM 2550B)	32.3	45	01/12/23
2	pH	-	Electrometric Method (SM 4500 B)	7.21	6-9	01/12/23
3	Conductivity	µs/cm	Laboratory Method (SM 2510 B)	377	-	07/12/23
4	SS	mg/L	Volumetric, Dried at 103-105 ^{0}C (SM 2540 F)	4.5	500	07/12/23
5	TDS	mg/L	Dried at 180 ^{0}C (SM 2540 C)	119	3,000	07/12/23
6	BOD	mg/L	5-Days BOD Test, Azide Modification Method (SM 5210 B)	< 1	450	06-11/12/23
7	COD	mg/L	Closed Reflux Titrimetric Method (SM 5220 C)	11	600	06/12/23
8	Oil & Grease	mg/L	Liquid-Liquid, Partition Gravimetric Method (SM 5520 B)	0.8	100	06/12/23
9	TKN	mg/L	Macro-Kjeldahl/Titrimetric Method (SM 4500-N_{org} B&4500-NH_3 C)	2.93	100	06-07/12/23
10	Al	mg/L	Digestion, ICP-OES Method (SM 3030F and 3120B)	0.35	5.0	11/12/23

Remarks : Effluent = 47P 0671663 UTM 1562195
Method : SM = Standard Method for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017
Standard : Standard of Central Waste Water Treatment Plant in Nava Nakorn Industrial Zone (2016) (B.E. 2559)

Reviewed by
Ms. Wareerut Prachumdaeng
Chief of Laboratory
14/12/23

บริษัท เทคนิคสิ่งแวดล้อมไทย จำกัด TET Thai Environmental Technic Limited

Approved by
Mrs. Porntip Pethshee
Laboratory Manager
14/12/23

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Thai Environmental Technic Limited
บริษัท เทคนิคสิ่งแวดล้อมไทย จำกัด

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ORIGINAL
ต้นฉบับ

TEST REPORT

Customer Name : THAI ENGINEERING PRODUCTS CO., LTD.
Address : 101/90 Moo. 20 Navanakorn Industrial Estate, Phaholyothin Road, Khlong Nueng, Khlong Luang, Pathumthani 12120
Job No. : S660327/Oct

Report No. : 3192/2023/6-41
Report Date : October 26, 2023
Sampling Date : October 5-12, 2023
Type of Sample : Sound Level

Item	Time	Result (dB (A))								
		ทิศเหนือของโครงการ (บริเวณระบบบำบัดน้ำเสีย)								
		05-06/10/23			06-07/10/23			07-08/10/23		
		Leq	Lmax	L_{90}	Leq	Lmax	L_{90}	Leq	Lmax	L_{90}
1.	10:00-11:00	58.7	68.9	57.2	56.7	69.7	55.3	61.3	92.7	59.1
2.	11:00-12:00	59.1	85.4	56.7	57.9	73.0	56.6	62.9	72.9	61.1
3.	12:00-13:00	58.1	80.2	55.3	58.4	78.2	57.5	62.4	71.7	61.1
4.	13:00-14:00	58.1	86.1	56.5	57.6	68.4	56.6	60.9	71.6	59.8
5.	14:00-15:00	56.8	62.9	55.5	58.2	67.2	57.3	59.9	72.0	58.5
6.	15:00-16:00	56.6	66.7	55.0	60.5	82.4	55.3	57.9	73.4	55.5
7.	16:00-17:00	56.5	74.7	54.7	60.3	82.2	55.4	57.7	72.2	56.4
8.	17:00-18:00	54.0	69.0	51.0	58.0	73.5	54.4	57.1	72.2	55.5
9.	18:00-19:00	56.0	67.7	54.8	55.6	75.5	53.0	54.6	72.7	52.2
10.	19:00-20:00	58.1	72.8	56.2	55.4	77.4	51.6	56.3	73.1	54.9
11.	20:00-21:00	58.5	76.5	57.0	57.6	74.2	55.6	58.3	71.2	56.3
12.	21:00-22:00	58.7	75.3	56.8	58.6	95.8	55.6	58.4	76.0	56.5
13.	22:00-23:00	60.9	82.6	57.5	61.0	87.3	58.0	59.5	76.3	57.2
14.	23:00-00:00	60.4	83.9	55.2	58.6	99.2	51.7	60.4	77.1	57.8
15.	00:00-01:00	57.3	75.1	53.4	57.5	96.0	54.3	61.2	73.7	60.6
16.	01:00-02:00	56.4	69.6	54.8	63.7	98.3	60.8	61.2	66.3	60.3
17.	02:00-03:00	56.7	74.2	54.6	61.9	85.2	58.9	61.2	67.8	60.4
18.	03:00-04:00	61.2	82.9	58.2	60.1	74.2	57.8	61.4	76.9	60.5
19.	04:00-05:00	59.6	82.3	55.3	61.8	93.8	58.1	61.2	73.0	60.4
20.	05:00-06:00	60.0	81.9	55.4	60.6	91.3	58.4	61.7	67.2	60.8
21.	06:00-07:00	57.9	81.0	55.2	61.0	91.5	57.6	61.3	68.4	60.5
22.	07:00-08:00	59.3	79.8	54.5	60.6	93.0	56.5	61.1	67.2	60.3
23.	08:00-09:00	55.7	72.2	53.6	60.0	91.3	56.1	61.2	66.3	60.4
24.	09:00-10:00	57.0	76.2	54.2	60.9	84.7	56.2	60.9	85.4	60.0
Leq 24 hr		58.3	-	-	59.7	-	-	60.4	-	-
Lmax		-	86.1	-	-	99.2	-	-	92.7	-
Standard[(1)(2)]		70	115	-	70	115	-	70	115	-
Ldn		65.5	-	-	67.2	-	-	67.3	-	-

Standard : (1) Notification of the National Environment Board No. 15 (1997) (B.E. 2540)
(2) Notification of the Ministry of Industry (2005) (B.E. 2548)

Wannasiri S.
Wannasiri Suriyawong

Somchai P.
Somchai Piyavorasakul
General Manager

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Thai Environmental Technic Limited
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ORIGINAL
ต้นฉบับ

TEST REPORT

Customer Name : THAI ENGINEERING PRODUCTS CO., LTD.
Address : 101/90 Moo. 20 Navanakorn Industrial Estate, Phaholyothin Road, Khlong Nueng, Khlong Luang, Pathumthani 12120
Job No. : S660327/Oct

Report No. : 3192/2023/7-41
Report Date : October 26, 2023
Sampling Date : October 5-12, 2023
Type of Sample : Sound Level

Item	Time	Result (dB (A))											
		ทิศเหนือของโครงการ (บริเวณระบบบำบัดน้ำเสีย)											
		08-09/10/23			09-10/10/23			10-11/10/23			11-12/10/23		
		Leq	Lmax	L_{90}	Leq	Lmax	L_{90}	Leq	Lmax	L_{90}	Leq	Lmax	L_{90}
1.	10:00-11:00	60.9	87.2	59.8	60.4	66.0	59.6	56.4	64.9	55.1	60.3	82.6	56.5
2.	11:00-12:00	60.0	77.4	58.9	59.8	67.2	59.0	57.0	66.9	55.7	61.0	82.4	55.6
3.	12:00-13:00	62.4	81.1	60.6	60.1	66.0	59.3	55.1	74.9	53.4	58.6	73.7	55.1
4.	13:00-14:00	61.2	84.4	59.9	59.9	76.0	59.0	55.4	67.9	54.4	55.9	75.7	53.2
5.	14:00-15:00	62.6	90.6	61.4	59.9	86.0	58.6	57.7	73.0	56.0	54.7	71.3	51.8
6.	15:00-16:00	61.3	76.2	60.7	58.9	76.2	57.5	58.7	72.7	57.2	57.9	77.6	55.6
7.	16:00-17:00	60.1	77.1	59.5	60.7	79.9	58.6	58.5	76.7	56.9	59.2	96.0	56.0
8.	17:00-18:00	59.8	75.8	59.1	60.0	83.2	58.6	61.2	82.8	57.9	60.6	87.5	56.9
9.	18:00-19:00	59.3	72.6	58.6	61.4	89.4	60.2	60.0	81.5	55.4	59.7	99.4	52.1
10.	19:00-20:00	59.9	73.3	59.0	60.2	84.4	59.6	59.4	84.1	54.2	57.2	96.2	54.1
11.	20:00-21:00	60.3	77.2	59.3	59.5	75.9	58.5	56.2	69.8	54.3	62.3	91.6	60.8
12.	21:00-22:00	61.0	77.4	60.1	58.8	74.6	58.1	56.6	69.1	54.8	63.5	98.5	60.1
13.	22:00-23:00	60.9	69.8	60.0	58.4	71.4	57.6	60.3	83.1	55.6	60.5	79.8	58.2
14.	23:00-00:00	60.7	66.5	60.0	58.3	72.1	57.4	61.1	82.5	55.7	61.5	94.0	58.0
15.	00:00-01:00	59.5	74.8	57.8	58.8	66.5	58.0	59.5	82.1	55.1	61.6	92.5	58.8
16.	01:00-02:00	57.2	73.2	55.6	59.7	76.2	58.8	58.7	81.2	55.3	61.0	91.7	57.6
17.	02:00-03:00	57.9	75.1	55.0	59.7	68.6	58.7	59.9	80.0	55.6	61.0	93.2	57.1
18.	03:00-04:00	59.1	75.9	56.3	59.7	68.2	58.9	56.3	77.6	54.0	60.0	91.5	56.3
19.	04:00-05:00	59.4	73.7	57.3	58.9	73.6	58.2	56.7	76.4	54.2	61.5	84.9	56.5
20.	05:00-06:00	60.2	65.1	59.5	58.8	69.1	57.2	56.7	76.4	54.4	60.6	92.9	58.7
21.	06:00-07:00	59.8	66.6	59.0	58.8	74.4	57.1	57.9	73.2	56.2	62.6	72.3	60.6
22.	07:00-08:00	60.2	72.6	59.3	59.0	85.6	55.7	58.7	78.4	57.4	63.2	73.1	61.6
23.	08:00-09:00	60.1	75.7	59.3	58.3	86.3	56.6	57.9	68.6	56.8	61.3	71.8	60.2
24.	09:00-10:00	60.2	68.2	59.4	57.2	64.3	56.0	58.3	67.4	57.1	60.5	72.2	59.3
Leq 24 hr		60.3	-	-	59.5	-	-	58.4	-	-	60.7	-	-
Lmax		-	90.6	-	-	89.4	-	-	84.1	-	-	99.4	-
Standard[(1)(2)]		70	115	-	70	115	-	70	115	-	70	115	-
Ldn		66.2	-	-	65.6	-	-	65.2	-	-	67.5	-	-

Standard : (1) Notification of the National Environment Board No. 15 (1997) (B.E. 2540)
(2) Notification of the Ministry of Industry (2005) (B.E. 2548)

Wannasiri S.
Wannasiri Suriyawong

Somchai P.
Somchai Piyavorasakul
General Manager

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Thai Environmental Technic Limited
บริษัท เทคนิคสิ่งแวดล้อมไทย จำกัด

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ORIGINAL
ต้นฉบับ

TEST REPORT

Customer Name : THAI ENGINEERING PRODUCTS CO., LTD.
Address : 101/90 Moo. 20 Navanakorn Industrial Estate, Phaholyothin Road, Khlong Nueng, Khlong Luang, Pathumthani 12120
Job No. : S660327/Oct

Report No. : 3192/2023/8-41
Report Date : October 26, 2023
Sampling Date : October 5-12, 2023
Type of Sample : Sound Level

Item	Time	Result (dB (A))								
		ทิศตะวันตกของโครงการ (บริเวณอาคาร DC3)								
		05-06/10/23			06-07/10/23			07-08/10/23		
		Leq	Lmax	L_{90}	Leq	Lmax	L_{90}	Leq	Lmax	L_{90}
1.	10:00-11:00	67.9	80.6	67.3	68.1	81.6	67.5	69.5	75.7	68.7
2.	11:00-12:00	68.3	80.1	67.3	67.8	75.9	67.0	69.7	86.7	69.0
3.	12:00-13:00	68.1	85.0	67.2	67.8	79.4	67.1	69.8	82.3	69.1
4.	13:00-14:00	68.4	75.5	67.8	68.0	76.9	67.3	68.9	78.0	68.4
5.	14:00-15:00	68.8	80.6	67.8	68.4	84.6	67.5	68.0	80.5	66.3
6.	15:00-16:00	68.6	85.5	67.7	68.9	81.8	67.8	67.4	78.7	66.3
7.	16:00-17:00	68.4	77.0	67.8	69.2	84.9	68.5	67.6	83.5	66.7
8.	17:00-18:00	68.8	82.2	68.1	69.2	84.3	68.5	67.9	83.1	66.7
9.	18:00-19:00	69.2	85.1	68.4	69.4	85.0	68.4	68.7	89.7	66.8
10.	19:00-20:00	68.9	76.6	68.3	68.9	78.9	68.4	68.9	78.7	68.0
11.	20:00-21:00	68.9	76.5	68.4	68.9	75.5	68.4	68.5	82.1	67.7
12.	21:00-22:00	68.7	72.0	68.2	69.1	79.9	68.6	71.6	94.4	70.2
13.	22:00-23:00	69.0	74.6	68.5	69.5	84.9	68.7	70.1	86.5	68.9
14.	23:00-00:00	69.2	73.1	68.7	69.5	73.2	69.0	69.5	78.8	67.1
15.	00:00-01:00	69.2	71.9	68.8	69.6	71.5	69.2	68.1	79.4	67.0
16.	01:00-02:00	69.3	74.2	68.9	69.7	72.7	69.3	68.3	84.2	67.4
17.	02:00-03:00	69.5	73.9	69.0	69.8	80.4	69.3	68.6	83.8	67.4
18.	03:00-04:00	69.4	73.6	69.0	69.9	75.3	69.4	69.4	90.4	67.5
19.	04:00-05:00	69.5	78.0	69.0	70.1	80.0	69.5	69.6	79.4	68.7
20.	05:00-06:00	69.4	85.0	68.8	70.3	81.9	69.3	69.2	82.8	68.4
21.	06:00-07:00	68.9	79.9	68.0	70.1	81.1	69.2	69.5	91.2	68.6
22.	07:00-08:00	68.4	76.2	67.7	69.5	74.0	68.8	67.9	78.3	67.4
23.	08:00-09:00	68.0	79.2	67.4	69.3	73.5	68.6	71.0	91.1	68.3
24.	09:00-10:00	68.3	86.3	67.7	69.5	79.8	68.7	70.3	92.3	68.8
Leq 24 hr		68.8	-	-	69.2	-	-	69.2	-	-
Lmax		-	86.3	-	-	85.0	-	-	94.4	-
Standard(1)(2)		70	115	-	70	115	-	70	115	-
Ldn		75.6	-	-	76.1	-	-	75.6	-	-

Standard : (1) Notification of the National Environment Board No. 15 (1997) (B.E. 2540)
(2) Notification of the Ministry of Industry (2005) (B.E. 2548)

Wannasiri S.
Wannasiri Suriyawong

บริษัท เทคนิคสิ่งแวดล้อมไทย จำกัด
Thai Environmental Technic Limited

Somchai P.
Somchai Piyavorasakul
General Manager

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บริษัท เทคนิคสิ่งแวดล้อมไทย จำกัด

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E-mail : admin@tet1995.com
Tel : 0-2373-7799 (Auto) Fax : 0-2373-7979

ORIGINAL
ต้นฉบับ

TEST REPORT

Customer Name : THAI ENGINEERING PRODUCTS CO., LTD.
Address : 101/90 Moo. 20 Navanakorn Industrial Estate, Phaholyothin Road, Khlong Nueng, Khlong Luang, Pathumthani 12120
Job No. : S660327/Oct

Report No. : 3192/2023/9-41
Report Date : October 26, 2023
Sampling Date : October 5-12, 2023
Type of Sample : Sound Level

Item	Time	Result (dB (A))											
		ทิศตะวันตกของโครงการ (บริเวณอาคาร DC3)											
		08-09/10/23			09-10/10/23			10-11/10/23			11-12/10/23		
		Leq	Lmax	L_{90}	Leq	Lmax	L_{90}	Leq	Lmax	L_{90}	Leq	Lmax	L_{90}
1.	10:00-11:00	71.7	92.9	70.6	67.2	82.0	66.1	68.4	76.5	67.6	70.3	87.3	69.6
2.	11:00-12:00	72.0	87.7	70.1	67.6	83.6	66.6	68.4	80.0	67.7	70.4	82.9	69.7
3.	12:00-13:00	71.0	92.2	69.5	68.3	86.4	66.6	68.6	77.5	67.9	69.5	78.6	69.0
4.	13:00-14:00	69.9	95.9	68.4	68.6	77.6	67.9	69.0	85.2	68.1	68.6	81.1	66.9
5.	14:00-15:00	69.2	82.0	67.6	69.1	85.6	67.8	69.5	82.4	68.4	68.0	79.3	66.9
6.	15:00-16:00	68.6	80.0	68.0	68.6	83.7	67.8	69.8	85.5	69.1	68.2	84.1	67.3
7.	16:00-17:00	70.1	91.7	68.6	69.1	78.1	68.4	69.8	84.9	69.1	68.5	83.7	67.3
8.	17:00-18:00	69.0	85.8	67.5	69.6	86.1	68.3	70.0	85.6	69.0	69.3	90.3	67.4
9.	18:00-19:00	68.2	81.0	67.4	69.0	84.2	68.3	69.5	79.5	69.0	69.5	79.3	68.6
10.	19:00-20:00	68.4	84.1	67.5	69.1	78.4	68.6	69.5	76.1	69.0	69.1	82.7	68.3
11.	20:00-21:00	68.7	87.0	67.7	69.5	83.0	68.7	69.7	80.5	69.2	72.2	95.0	70.8
12.	21:00-22:00	68.4	83.8	67.2	69.9	85.7	69.1	70.1	85.5	69.3	70.7	87.1	69.5
13.	22:00-23:00	67.8	75.3	67.1	69.4	77.0	68.9	70.1	73.8	69.6	70.1	79.4	67.7
14.	23:00-00:00	68.2	96.0	67.2	69.4	77.1	69.0	70.2	72.1	69.8	68.7	80.0	67.6
15.	00:00-01:00	69.1	92.7	68.0	69.3	73.6	68.8	70.3	73.3	69.9	68.9	84.8	68.0
16.	01:00-02:00	69.9	91.1	68.8	69.7	75.2	69.2	70.4	81.0	69.9	69.2	84.4	68.0
17.	02:00-03:00	69.2	74.7	68.2	69.8	72.3	69.4	70.5	75.9	70.0	70.0	91.0	68.1
18.	03:00-04:00	68.4	85.5	67.2	70.0	74.5	69.6	70.7	80.6	70.1	70.2	80.0	69.3
19.	04:00-05:00	67.1	73.9	65.8	70.0	85.6	69.4	70.9	82.5	69.9	69.8	83.4	69.0
20.	05:00-06:00	68.3	85.5	67.1	69.5	80.5	68.6	70.7	81.7	69.8	70.1	91.8	69.2
21.	06:00-07:00	68.8	74.1	67.2	69.0	76.8	68.3	70.1	74.6	69.4	68.5	78.9	68.0
22.	07:00-08:00	68.3	72.4	66.8	68.6	79.8	68.0	69.9	74.1	69.2	71.6	91.7	68.9
23.	08:00-09:00	67.3	74.1	66.1	68.9	86.9	68.3	70.1	80.4	69.3	70.9	92.9	69.4
24.	09:00-10:00	67.5	74.3	66.9	68.7	82.2	68.1	70.1	76.3	69.3	72.3	93.5	71.2
Leq 24 hr		69.2	-	-	69.1	-	-	69.9	-	-	69.9	-	-
Lmax		-	96.0	-	-	86.9	-	-	85.6	-	-	95.0	-
Standard[(1)(2)]		70	115	-	70	115	-	70	115	-	70	115	-
Ldn		75.1	-	-	75.9	-	-	76.7	-	-	76.0	-	-

Standard : (1) Notification of the National Environment Board No. 15 (1997) (B.E. 2540)
(2) Notification of the Ministry of Industry (2005) (B.E. 2548)

Wannasiri S.
Wannasiri Suriyawong

Somchai P.
Somchai Piyavorasakul
General Manager

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Thai Environmental Technic Limited
บริษัท เทคนิคสิ่งแวดล้อมไทย จำกัด

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E-mail : admin@tet1995.com
Tel : 0-2373-7799 (Auto) Fax : 0-2373-7979

ORIGINAL
ต้นฉบับ

TEST REPORT

Customer Name : THAI ENGINEERING PRODUCTS CO., LTD.
Address : 101/90 Moo. 20 Navanakorn Industrial Estate, Phaholyothin Road, Khlong Nueng, Khlong Luang, Pathumthani 12120

Report No. : 3192/2023/10-41
Report Date : October 26, 2023
Sampling Date : October 5-12, 2023
Type of Sample : Sound Level

Job No. : S660327/Oct

Item	Time	Result (dB (A))								
		ทิศใต้ของโครงการ (ติดบริษัท BCI Color และ EPE แพกเกจจิง ลานจอดรถ 2)								
		05-06/10/23			06-07/10/23			07-08/10/23		
		Leq	Lmax	L_{90}	Leq	Lmax	L_{90}	Leq	Lmax	L_{90}
1.	10:00-11:00	49.2	78.7	45.4	46.4	61.8	44.4	54.1	89.3	47.5
2.	11:00-12:00	47.4	63.5	44.7	51.3	81.1	44.6	48.2	72.0	46.5
3.	12:00-13:00	46.6	58.9	44.5	54.4	79.2	47.3	50.7	76.7	46.6
4.	13:00-14:00	46.0	61.6	44.0	54.8	79.8	50.0	51.9	75.2	47.9
5.	14:00-15:00	49.6	59.4	49.1	51.4	62.5	50.0	51.8	61.5	50.3
6.	15:00-16:00	52.0	62.7	51.2	52.4	62.7	50.3	52.4	63.1	48.6
7.	16:00-17:00	53.2	60.0	52.6	55.7	65.0	54.8	55.9	67.3	46.9
8.	17:00-18:00	50.6	60.6	49.6	52.1	63.2	48.9	56.2	68.6	53.5
9.	18:00-19:00	51.9	59.9	50.9	55.5	62.0	54.7	51.2	63.1	50.0
10.	19:00-20:00	52.5	60.7	51.6	55.0	60.5	54.3	57.0	67.9	52.8
11.	20:00-21:00	52.2	58.1	51.5	54.4	61.7	53.5	58.9	70.0	54.9
12.	21:00-22:00	52.5	61.7	51.7	54.2	58.2	53.6	57.9	68.5	55.0
13.	22:00-23:00	51.7	61.2	50.7	48.8	66.4	47.2	60.2	66.5	57.4
14.	23:00-00:00	50.0	60.6	48.5	47.4	64.9	44.2	60.0	68.0	55.6
15.	00:00-01:00	48.7	63.6	46.3	49.4	78.2	45.3	58.4	66.3	51.1
16.	01:00-02:00	49.3	63.1	46.1	50.6	66.4	47.2	52.7	65.2	50.3
17.	02:00-03:00	49.8	67.6	46.7	50.0	64.5	47.2	50.0	62.1	47.0
18.	03:00-04:00	49.0	62.1	46.2	49.0	60.8	46.3	49.3	66.1	46.9
19.	04:00-05:00	48.5	60.1	45.5	49.0	64.1	45.8	52.0	69.7	49.5
20.	05:00-06:00	48.1	63.1	45.0	49.1	65.9	46.2	53.1	68.3	48.9
21.	06:00-07:00	48.6	60.7	46.1	48.7	60.3	45.6	50.5	61.4	48.8
22.	07:00-08:00	49.2	63.1	46.3	48.9	76.4	46.0	50.2	70.0	48.0
23.	08:00-09:00	50.2	70.5	45.6	48.6	62.5	46.5	49.8	73.8	47.8
24.	09:00-10:00	47.5	62.0	44.6	47.9	67.7	46.1	50.0	59.8	47.7
Leq 24 hr		50.2	-	-	52.0	-	-	55.0	-	-
Lmax		-	78.7	-	-	81.1	-	-	89.3	-
Standard(1)(2)		70	115	-	70	115	-	70	115	-
Ldn		56.0	-	-	56.4	-	-	62.2	-	-

Standard : (1) Notification of the National Environment Board No. 15 (1997) (B.E. 2540)
(2) Notification of the Ministry of Industry (2005) (B.E. 2548)

Wannasiri S.
Wannasiri Suriyawong

Somchai P.
Somchai Piyavorasakul
General Manager

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Thai Environmental Technic Limited
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E-mail : admin@tet1995.com
Tel : 0-2373-7799 (Auto) Fax : 0-2373-7979

ORIGINAL
ต้นฉบับ

TEST REPORT

Customer Name : THAI ENGINEERING PRODUCTS CO., LTD.
Address : 101/90 Moo. 20 Navanakorn Industrial Estate, Phaholyothin Road, Khlong Nueng, Khlong Luang, Pathumthani 12120
Job No. : S660327/Oct

Report No. : 3192/2023/11-41
Report Date : October 26, 2023
Sampling Date : October 5-12, 2023
Type of Sample : Sound Level

Item	Time	Result (dB (A))											
		ทิศใต้ของโครงการ (ติดบริษัท BCI Color และ EPE แพกเกจจิง ลานจอดรถ 2)											
		08-09/10/23			09-10/10/23			10-11/10/23			11-12/10/23		
		Leq	Lmax	L_{90}	Leq	Lmax	L_{90}	Leq	Lmax	L_{90}	Leq	Lmax	L_{90}
1.	10:00-11:00	47.1	62.8	45.6	50.4	68.0	46.8	49.0	56.9	46.4	47.0	57.7	45.1
2.	11:00-12:00	48.4	68.6	46.6	57.7	82.2	49.6	49.6	62.4	46.4	46.9	59.2	44.9
3.	12:00-13:00	54.5	61.1	53.1	64.3	72.8	56.1	51.3	82.6	46.1	46.9	53.9	44.9
4.	13:00-14:00	53.0	66.2	52.0	63.6	71.7	55.9	49.1	69.9	45.7	50.6	67.5	47.7
5.	14:00-15:00	53.9	67.1	52.9	59.7	88.6	52.5	48.9	66.8	46.0	54.6	76.1	48.6
6.	15:00-16:00	54.8	65.5	54.1	61.7	82.7	52.3	48.3	61.1	45.6	52.0	74.9	46.1
7.	16:00-17:00	53.7	67.7	52.7	63.5	82.4	57.9	47.5	54.0	46.2	49.9	63.2	48.3
8.	17:00-18:00	51.9	57.7	50.4	67.3	76.8	63.3	47.9	58.1	46.4	49.5	57.0	48.1
9.	18:00-19:00	51.6	56.0	50.5	61.3	72.7	56.5	47.6	55.3	46.2	48.9	56.7	47.5
10.	19:00-20:00	51.3	56.7	50.4	60.1	71.3	57.0	48.1	55.1	46.6	48.8	60.1	47.5
11.	20:00-21:00	51.7	58.5	50.7	54.2	62.3	54.1	48.1	61.0	46.6	48.5	59.6	46.8
12.	21:00-22:00	50.1	56.7	49.1	51.3	66.1	50.3	47.8	58.4	46.6	48.3	53.0	47.0
13.	22:00-23:00	47.9	57.2	45.9	48.8	63.8	47.0	46.5	58.7	43.6	48.2	55.1	46.8
14.	23:00-00:00	48.6	64.0	45.9	48.4	67.0	44.6	48.0	59.1	45.4	49.8	73.9	46.5
15.	00:00-01:00	49.0	66.9	46.3	50.2	67.7	46.5	48.4	60.5	45.8	52.4	71.6	46.8
16.	01:00-02:00	49.3	71.7	46.1	49.8	66.2	46.0	48.4	60.3	45.6	52.7	74.6	46.2
17.	02:00-03:00	51.9	75.3	46.2	48.5	63.8	45.2	48.0	60.0	45.0	50.6	68.4	45.5
18.	03:00-04:00	49.5	82.7	46.1	49.0	65.2	45.9	48.2	60.8	46.0	47.4	61.9	45.7
19.	04:00-05:00	49.5	70.1	46.2	50.5	76.7	46.2	47.9	57.3	45.7	50.8	68.9	46.5
20.	05:00-06:00	50.0	82.4	46.6	49.9	61.4	47.3	51.1	78.9	45.5	52.7	72.8	46.3
21.	06:00-07:00	57.3	74.5	47.7	49.8	62.3	47.0	48.3	61.1	45.5	51.5	71.2	45.4
22.	07:00-08:00	49.1	61.5	46.6	48.5	57.8	46.1	47.7	65.2	45.5	50.5	71.6	45.5
23.	08:00-09:00	49.5	68.3	46.9	49.2	57.7	46.8	47.5	58.5	45.6	49.0	65.1	45.5
24.	09:00-10:00	51.3	76.0	47.1	49.4	60.1	47.0	48.1	60.8	45.4	51.2	69.8	46.1
Leq 24 hr		51.8	-	-	59.1	-	-	48.5	-	-	50.4	-	-
Lmax		-	82.7	-	-	88.6	-	-	82.6	-	-	76.1	-
Standard[(1)(2)]		70	115	-	70	115	-	70	115	-	70	115	-
Ldn		58.0	-	-	60.5	-	-	54.9	-	-	57.3	-	-

Standard : (1) Notification of the National Environment Board No. 15 (1997) (B.E. 2540)
(2) Notification of the Ministry of Industry (2005) (B.E. 2548)

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ORIGINAL
ต้นฉบับ

TEST REPORT

Customer Name : THAI ENGINEERING PRODUCTS CO., LTD.
Address : 101/90 Moo. 20 Navanakorn Industrial Estate, Phaholyothin Road, Khlong Nueng, Khlong Luang, Pathumthani 12120

Report No. : 3192/2023/12-41
Report Date : October 26, 2023
Sampling Date : October 5-12, 2023
Type of Sample : Sound Level

Job No. : S660327/Oct

Item	Time	Result (dB (A))								
		ทิศตะวันออกของโครงการ (ติดบริษัท MPM บริเวณอาคารกักเก็บขยะ)								
		05-06/10/23			06-07/10/23			07-08/10/23		
		Leq	Lmax	L_{90}	Leq	Lmax	L_{90}	Leq	Lmax	L_{90}
1.	10:00-11:00	62.4	83.0	59.4	64.2	70.7	63.5	62.4	69.5	61.8
2.	11:00-12:00	60.7	72.1	58.7	64.1	74.3	63.4	62.4	78.1	61.7
3.	12:00-13:00	59.4	73.7	57.9	64.4	71.0	63.7	63.6	90.0	62.6
4.	13:00-14:00	61.4	73.1	58.1	63.9	68.2	63.1	63.0	80.2	61.6
5.	14:00-15:00	60.8	69.1	58.4	64.0	67.0	63.3	64.9	83.9	63.2
6.	15:00-16:00	63.9	70.9	63.2	63.9	69.0	63.2	64.0	87.2	62.6
7.	16:00-17:00	64.2	70.7	63.5	63.9	68.2	63.3	65.5	93.4	64.2
8.	17:00-18:00	64.0	66.4	63.4	64.2	69.1	63.5	64.3	88.4	63.6
9.	18:00-19:00	63.8	65.5	63.2	63.9	67.7	63.0	63.2	79.9	62.5
10.	19:00-20:00	63.9	65.7	63.3	64.0	76.4	63.2	62.7	78.6	62.0
11.	20:00-21:00	64.0	65.7	63.4	64.2	79.7	63.3	62.3	75.4	61.6
12.	21:00-22:00	64.6	73.7	63.6	64.0	75.8	63.2	62.2	76.1	61.4
13.	22:00-23:00	64.4	70.5	63.5	64.6	70.0	63.6	61.9	70.2	61.0
14.	23:00-00:00	64.0	78.7	63.3	64.0	71.2	63.2	63.1	73.8	62.4
15.	00:00-01:00	64.6	89.4	63.3	63.9	70.0	63.2	61.9	72.9	61.0
16.	01:00-02:00	64.4	71.5	63.4	64.0	73.5	63.2	61.2	72.3	60.2
17.	02:00-03:00	64.0	68.4	63.2	63.4	88.2	62.8	61.9	76.7	60.7
18.	03:00-04:00	64.1	70.8	63.3	61.9	69.0	61.3	62.9	70.5	62.0
19.	04:00-05:00	64.1	67.2	63.3	61.7	65.6	61.0	63.4	80.2	62.4
20.	05:00-06:00	63.9	69.0	63.1	62.4	74.8	61.4	63.8	72.1	62.9
21.	06:00-07:00	64.2	72.8	63.3	62.0	68.9	61.2	63.6	72.6	62.8
22.	07:00-08:00	63.7	67.5	63.0	62.9	67.4	62.1	63.3	68.9	62.5
23.	08:00-09:00	64.2	71.2	63.3	62.5	71.0	61.8	61.5	77.6	60.6
24.	09:00-10:00	64.3	70.4	63.6	63.2	79.2	62.3	62.4	77.4	61.3
Leq 24 hr		63.6	-	-	63.6	-	-	63.1	-	-
Lmax		-	89.4	-	-	88.2	-	-	93.4	-
Standard[(1)(2)]		70	115	-	70	115	-	70	115	-
Ldn		70.5	-	-	69.7	-	-	69.2	-	-

Standard : (1) Notification of the National Environment Board No. 15 (1997) (B.E. 2540)
(2) Notification of the Ministry of Industry (2005) (B.E. 2548)

Wannasiri S.
Wannasiri Suriyawong

Somchai P.
Somchai Piyavorasakul
General Manager

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Thai Environmental Technic Limited
บริษัท เทคนิคสิ่งแวดล้อมไทย จำกัด

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ORIGINAL
ต้นฉบับ

TEST REPORT

Customer Name : THAI ENGINEERING PRODUCTS CO., LTD.
Address : 101/90 Moo. 20 Navanakorn Industrial Estate, Phaholyothin Road, Khlong Nueng, Khlong Luang, Pathumthani 12120
Job No. : S660327/Oct

Report No. : 3192/2023/13-41
Report Date : October 26, 2023
Sampling Date : October 5-12, 2023
Type of Sample : Sound Level

Item	Time	Result (dB (A))											
		ทิศตะวันออกของโครงการ (ติดบริษัท MPM บริเวณอาคารกักเก็บขยะ)											
		08-09/10/23			09-10/10/23			10-11/10/23			11-12/10/23		
		Leq	Lmax	L_{90}	Leq	Lmax	L_{90}	Leq	Lmax	L_{90}	Leq	Lmax	L_{90}
1.	10:00-11:00	63.8	81.7	62.7	61.0	75.3	59.5	63.3	78.2	62.4	63.3	65.2	62.7
2.	11:00-12:00	62.9	75.6	62.1	63.0	74.7	59.7	63.1	84.5	62.1	63.3	67.2	62.7
3.	12:00-13:00	61.6	76.5	60.5	61.9	67.3	60.6	63.9	88.3	62.8	64.0	72.9	62.8
4.	13:00-14:00	61.1	75.6	60.3	63.5	70.6	62.9	65.1	72.6	63.4	63.4	69.0	62.7
5.	14:00-15:00	62.2	84.4	61.2	63.3	67.2	62.6	65.0	73.7	64.0	63.2	77.9	62.5
6.	15:00-16:00	61.3	70.7	60.3	64.0	76.4	63.0	65.7	79.9	64.8	63.3	69.8	62.5
7.	16:00-17:00	61.6	82.9	60.6	64.4	93.6	62.8	65.5	75.2	63.9	63.6	88.6	62.8
8.	17:00-18:00	62.7	86.7	61.8	64.3	69.0	63.7	64.5	89.0	63.1	63.9	72.1	62.6
9.	18:00-19:00	63.5	71.0	61.8	64.2	72.6	63.5	63.3	73.4	62.2	63.4	69.0	62.4
10.	19:00-20:00	63.8	82.9	62.4	64.6	80.8	63.7	63.7	76.9	62.6	63.2	69.1	62.4
11.	20:00-21:00	64.2	73.7	63.3	64.2	75.7	63.4	64.1	84.8	62.9	63.3	70.0	62.5
12.	21:00-22:00	64.3	78.3	63.3	64.0	79.7	63.2	63.6	77.5	62.3	63.2	68.2	62.4
13.	22:00-23:00	63.7	73.6	62.3	63.6	75.6	62.9	63.6	79.0	62.6	63.2	70.0	62.5
14.	23:00-00:00	64.0	99.9	61.6	64.1	75.4	63.4	63.4	78.7	62.5	63.3	72.0	62.5
15.	00:00-01:00	61.7	71.8	60.6	64.3	71.1	63.7	63.5	73.9	62.5	63.3	70.4	62.3
16.	01:00-02:00	62.1	75.3	61.0	64.0	86.8	62.5	62.7	80.4	61.7	63.1	69.9	62.4
17.	02:00-03:00	62.5	83.2	61.3	63.0	73.9	61.8	63.0	73.1	62.3	63.5	69.6	62.8
18.	03:00-04:00	62.0	75.9	60.7	63.3	78.3	62.3	63.3	69.9	62.7	63.4	69.9	62.7
19.	04:00-05:00	62.0	77.4	61.0	63.6	79.0	62.7	63.2	65.6	62.6	63.3	73.5	62.6
20.	05:00-06:00	61.8	77.1	60.9	65.3	83.3	64.3	63.1	65.2	62.5	63.6	70.2	62.9
21.	06:00-07:00	61.9	72.3	60.9	64.7	77.2	63.9	63.3	68.2	62.7	63.1	67.4	62.3
22.	07:00-08:00	61.1	78.8	60.1	63.2	78.1	62.1	63.0	64.9	62.4	63.2	66.2	62.5
23.	08:00-09:00	63.4	74.3	60.9	63.0	77.2	61.9	63.3	65.2	62.7	63.1	68.2	62.4
24.	09:00-10:00	62.3	73.7	60.3	63.4	86.0	62.1	63.2	65.3	62.6	63.1	67.4	62.5
Leq 24 hr		62.7	-	-	63.7	-	-	63.8	-	-	63.4	-	-
Lmax		-	99.9	-	-	93.6	-	-	89.0	-	-	88.6	-
Standard(1)(2)		70	115	-	70	115	-	70	115	-	70	115	-
Ldn		68.9	-	-	70.4	-	-	69.8	-	-	69.7	-	-

Standard : (1) Notification of the National Environment Board No. 15 (1997) (B.E. 2540)
(2) Notification of the Ministry of Industry (2005) (B.E. 2548)

Wannasiri S.
Wannasiri Suriyawong

บริษัท เทคนิคสิ่งแวดล้อมไทย จำกัด TET Thai Environmental Technic Limited

Somchai P.
Somchai Piyavorasakul
General Manager

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ORIGINAL
ต้นฉบับ

TEST REPORT

Customer Name : THAI ENGINEERING PRODUCTS CO., LTD.
Address : 101/90 Moo. 20 Navanakorn Industrial Estate, Phaholyothin Road, Khlong Nueng, Khlong Luang, Pathumthani 12120
Contact : Tel (02) 909 1724-33 # 6315 Fax (02) 909 1724-33 # 6106
Job No. : S660327/Sep/Occ

Report No. : 2023/1-21
Report Date : September 26, 2023
Sampling Date : September 18, 2023
Type of Sample : Sound Level

Item	Sampling Time	Result (dB(A))			
		Melting			
		Furnace J		Furnace I	
		18/09/23		18/09/23	
		Leq 1 hr.	Lmax	Leq 1 hr.	Lmax
1.	08.00-09.00	85.1	95.0	84.2	94.6
2.	09.00-10.00	86.0	101.8	84.2	92.0
3.	10.00-11.00	85.8	98.1	84.5	93.0
4.	11.00-12.00	85.6	98.0	85.0	91.8
5.	12.00-13.00	83.0	105.9	84.8	89.0
6.	13.00-14.00	83.6	99.7	84.6	90.0
7.	14.00-15.00	85.7	101.1	84.7	94.5
8.	15.00-16.00	85.4	100.3	84.5	89.2
9.	16.00-17.00	85.7	96.2	84.6	90.1
10.	17.00-18.00	85.7	96.2	84.9	94.0
11.	18.00-19.00	86.8	106.3	84.5	91.5
12.	19.00-20.00	84.9	100.7	83.9	92.3
Leq 8 hr		85.1	-	84.6	-
Leq 12 hr		85.4	-	84.5	-
Lmax		-	106.3	-	94.6
Standard Leq 8 hr		85(1)	115(2)	85(1)	115(2)
Standard Leq 8 hr(3)		90	140	90	140
Standard Leq 12 hr(1)		83	-	83	-
Standard Leq 12 hr(3)		87	140	87	140

Standard : (1) Reference to Notification of Department of Labour Protection and Welfare (2018) (B.E. 2561)
(2) Ministry of Labour's Regulation (2016) (B.E. 2559)
(3) Notification of the Ministry of Industry (2003) (B.E. 2546)

Suphakchaya Y.
Suphakchaya Yoonim

Somchai P.
Somchai Piyavorasakul
General Manager

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ORIGINAL
ต้นฉบับ

TEST REPORT

Customer Name : THAI ENGINEERING PRODUCTS CO., LTD.
Address : 101/90 Moo. 20 Navanakorn Industrial Estate, Phaholyothin Road, Khlong Nueng, Khlong Luang, Pathumthani 12120
Contact : Tel (02) 909 1724-33 # 6315 Fax (02) 909 1724-33 # 6106
Job No. : S660327/Sep/Occ

Report No. : 2023/2-21
Report Date : September 26, 2023
Sampling Date : September 18, 2023
Type of Sample : Sound Level

Item	Sampling Time	Result (dB(A))	
		อาคาร MT	
		18/09/23	
		Leq 1 hr.	Lmax
1.	08.00-09.00	78.0	91.3
2.	09.00-10.00	75.8	89.2
3.	10.00-11.00	78.9	90.0
4.	11.00-12.00	72.5	90.2
5.	12.00-13.00	81.3	98.6
6.	13.00-14.00	81.7	96.1
7.	14.00-15.00	81.1	92.6
8.	15.00-16.00	73.7	91.9
9.	16.00-17.00	78.7	93.0
10.	17.00-18.00	71.3	85.4
11.	18.00-19.00	67.2	85.6
12.	19.00-20.00	73.8	92.0
Leq 8 hr		79.0	-
Leq 12 hr		77.9	-
Lmax		-	98.6
Standard Leq 8 hr		85(1)	115(2)
Standard Leq 8 hr(3)		90	140
Standard Leq 12 hr(1)		83	-
Standard Leq 12 hr(3)		87	140

Standard : (1) Reference to Notification of Department of Labour Protection and Welfare (2018) (B.E. 2561)
(2) Ministry of Labour's Regulation (2016) (B.E. 2559)
(3) Notification of the Ministry of Industry (2003) (B.E. 2546)

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Suphakchaya Yoonim

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Somchai Piyavorasakul
General Manager

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ORIGINAL
ต้นฉบับ

TEST REPORT

Customer Name : THAI ENGINEERING PRODUCTS CO., LTD.
Address : 101/90 Moo. 20 Navanakorn Industrial Estate, Phaholyothin Road, Khlong Nueng, Khlong Luang, Pathumthani 12120
Contact : Tel (02) 909 1724-33 # 6315 Fax (02) 909 1724-33 # 6106
Job No. : S660327/Sep/Occ

Report No. : 2023/3-21
Report Date : September 26, 2023
Sampling Date : September 18, 2023
Type of Sample : Sound Level

Item	Sampling Time	Result (dB(A))					
		DC1					
		Line 800 No. 6		Line 1650 No. 1		Line 800 No. 9	
		18/09/23		18/09/23		18/09/23	
		Leq 1 hr.	Lmax	Leq 1 hr.	Lmax	Leq 1 hr.	Lmax
1.	08.00-09.00	87.8	95.2	87.3	110.5	86.6	93.7
2.	09.00-10.00	87.6	94.9	84.4	109.4	86.5	93.9
3.	10.00-11.00	87.5	95.1	83.0	96.1	84.4	92.3
4.	11.00-12.00	87.5	94.7	86.0	107.4	85.6	91.7
5.	12.00-13.00	87.1	96.1	86.0	108.1	85.0	96.3
6.	13.00-14.00	87.5	94.5	86.2	108.9	84.8	93.5
7.	14.00-15.00	87.9	94.9	88.1	108.7	87.2	93.3
8.	15.00-16.00	87.5	95.1	86.9	110.9	87.7	92.4
9.	16.00-17.00	87.0	96.6	83.0	103.1	87.0	93.1
10.	17.00-18.00	86.1	95.2	87.4	110.7	85.4	94.0
11.	18.00-19.00	84.1	92.0	87.9	110.5	88.0	94.4
12.	19.00-20.00	84.7	96.1	87.9	110.6	88.0	91.6
Leq 8 hr		87.6	-	86.2	-	86.1	-
Leq 12 hr		87.0	-	86.5	-	86.5	-
Lmax		-	96.6	-	110.9	-	96.3
Standard Leq 8 hr		85(1)	115(2)	85(1)	115(2)	85(1)	115(2)
Standard Leq 8 hr(3)		90	140	90	140	90	140
Standard Leq 12 hr(1)		83	-	83	-	83	-
Standard Leq 12 hr(3)		87	140	87	140	87	140

Standard : (1) Reference to Notification of Department of Labour Protection and Welfare (2018) (B.E. 2561)
(2) Ministry of Labour's Regulation (2016) (B.E. 2559)
(3) Notification of the Ministry of Industry (2003) (B.E. 2546)

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Somchai Piyavorasakul
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ORIGINAL
ต้นฉบับ

TEST REPORT

Customer Name : THAI ENGINEERING PRODUCTS CO., LTD.
Address : 101/90 Moo. 20 Navanakorn Industrial Estate, Phaholyothin Road, Khlong Nueng, Khlong Luang, Pathumthani 12120
Contact : Tel (02) 909 1724-33 # 6315 Fax (02) 909 1724-33 # 6106
Job No. : S660327/Sep/Occ

Report No. : 2023/4-21
Report Date : September 26, 2023
Sampling Date : September 18, 2023
Type of Sample : Sound Level

Item	Sampling Time	Result (dB(A))					
		DC2					
		Line 350 No. 10		Line 500 No. 5		Line Trimming T4	
		18/09/23		18/09/23		18/09/23	
		Leq 1 hr.	Lmax	Leq 1 hr.	Lmax	Leq 1 hr.	Lmax
1.	08.00-09.00	84.0	89.2	82.8	97.1	90.6	103.8
2.	09.00-10.00	84.3	89.1	82.6	92.6	90.9	104.1
3.	10.00-11.00	84.7	93.2	83.1	99.3	88.9	106.1
4.	11.00-12.00	84.7	90.8	82.8	96.7	89.5	102.7
5.	12.00-13.00	84.8	89.6	82.6	97.0	81.5	89.6
6.	13.00-14.00	84.6	94.5	81.5	89.8	90.3	98.0
7.	14.00-15.00	84.5	91.3	81.8	91.0	88.3	101.2
8.	15.00-16.00	85.2	99.0	81.8	93.7	91.0	101.7
9.	16.00-17.00	85.4	93.6	84.0	92.6	90.6	102.2
10.	17.00-18.00	84.5	94.4	82.4	95.2	90.8	100.6
11.	18.00-19.00	83.4	90.0	82.3	96.4	90.0	106.6
12.	19.00-20.00	83.6	88.6	84.3	94.7	88.5	104.9
Leq 8 hr		84.6	-	82.4	-	89.5	-
Leq 12 hr		84.5	-	82.7	-	89.7	-
Lmax		-	99.0	-	99.3	-	106.6
Standard Leq 8 hr		85(1)	115(2)	85(1)	115(2)	85(1)	115(2)
Standard Leq 8 hr(3)		90	140	90	140	90	140
Standard Leq 12 hr(1)		83	-	83	-	83	-
Standard Leq 12 hr(3)		87	140	87	140	87	140

Standard : (1) Reference to Notification of Department of Labour Protection and Welfare (2018) (B.E. 2561)
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Suphakchaya Yoonim

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ORIGINAL
ต้นฉบับ

TEST REPORT

Customer Name : THAI ENGINEERING PRODUCTS CO., LTD.
Address : 101/90 Moo. 20 Navanakorn Industrial Estate, Phaholyothin Road, Khlong Nueng, Khlong Luang, Pathumthani 12120
Contact : Tel (02) 909 1724-33 # 6315 Fax (02) 909 1724-33 # 6106
Job No. : S660327/Sep/Occ

Report No. : 2023/5-21
Report Date : September 26, 2023
Sampling Date : September 19, 2023
Type of Sample : Sound Level

Item	Sampling Time	Result (dB(A))					
		DC3					
		Line 1250 No. 3		Line HVSC No. 2		Line Trimming T1	
		19/09/23		19/09/23		19/09/23	
		Leq 1 hr.	Lmax	Leq 1 hr.	Lmax	Leq 1 hr.	Lmax
1.	08.00-09.00	87.7	96.5	87.5	96.0	88.6	97.3
2.	09.00-10.00	87.8	97.4	86.5	96.4	86.8	98.8
3.	10.00-11.00	87.6	95.3	84.0	95.2	88.5	99.7
4.	11.00-12.00	87.7	96.6	86.8	96.0	87.1	99.1
5.	12.00-13.00	84.2	96.6	85.7	97.1	86.3	95.5
6.	13.00-14.00	83.8	95.8	87.0	96.0	83.1	90.9
7.	14.00-15.00	82.0	96.5	86.6	95.9	86.1	98.6
8.	15.00-16.00	86.7	95.8	86.7	98.0	88.8	98.2
9.	16.00-17.00	87.4	97.3	84.8	95.5	87.3	97.1
10.	17.00-18.00	87.4	96.9	85.8	97.2	87.0	97.7
11.	18.00-19.00	87.3	96.0	85.7	96.6	85.5	95.2
12.	19.00-20.00	87.6	99.6	86.2	98.3	86.4	90.1
Leq 8 hr		86.4	-	86.5	-	87.2	-
Leq 12 hr		86.8	-	86.2	-	87.0	-
Lmax		-	99.6	-	98.3	-	99.7
Standard Leq 8 hr		85(1)	115(2)	85(1)	115(2)	85(1)	115(2)
Standard Leq 8 hr(3)		90	140	90	140	90	140
Standard Leq 12 hr(1)		83	-	83	-	83	-
Standard Leq 12 hr(3)		87	140	87	140	87	140

Standard : (1) Reference to Notification of Department of Labour Protection and Welfare (2018) (B.E. 2561)
(2) Ministry of Labour's Regulation (2016) (B.E. 2559)
(3) Notification of the Ministry of Industry (2003) (B.E. 2546)

Suphakchaya Y.
Suphakchaya Yoonim

Somchai P.
Somchai Piyavorasakul
General Manager

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Thai Environmental Technic Limited
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ORIGINAL
ต้นฉบับ

TEST REPORT

Customer Name : THAI ENGINEERING PRODUCTS CO., LTD.
Address : 101/90 Moo. 20 Navanakorn Industrial Estate, Phaholyothin Road, Khlong Nueng, Khlong Luang, Pathumthani 12120
Contact : Tel (02) 909 1724-33 # 6315 Fax (02) 909 1724-33 # 6106
Job No. : S660327/Sep/Occ

Report No. : 2023/6-21
Report Date : September 26, 2023
Sampling Date : September 20, 2023
Type of Sample : Sound Level

Item	Sampling Time	Result (dB(A))					
		GC2					
		Line RG003		Line GC 1-2		Line GC 1-23	
		20/09/23		20/09/23		20/09/23	
		Leq 1 hr.	Lmax	Leq 1 hr.	Lmax	Leq 1 hr.	Lmax
1.	08.00-09.00	88.0	94.2	86.0	95.8	90.9	97.8
2.	09.00-10.00	86.5	94.0	85.7	93.1	87.8	96.2
3.	10.00-11.00	88.2	94.2	86.8	94.7	87.2	94.6
4.	11.00-12.00	88.5	94.4	86.1	96.7	88.5	96.4
5.	12.00-13.00	88.9	95.3	87.1	97.7	88.3	98.1
6.	13.00-14.00	86.2	95.0	86.3	94.4	89.8	93.7
7.	14.00-15.00	87.2	94.3	85.8	95.9	87.9	95.0
8.	15.00-16.00	87.0	94.6	86.1	93.9	89.0	96.7
9.	16.00-17.00	87.1	94.3	84.5	94.7	89.3	95.8
10.	17.00-18.00	85.3	94.3	86.6	95.1	89.2	95.1
11.	18.00-19.00	87.0	94.5	88.0	93.7	88.7	95.8
12.	19.00-20.00	87.2	94.7	87.4	99.5	88.8	95.1
Leq 8 hr		87.7	-	86.3	-	88.8	-
Leq 12 hr		87.4	-	86.5	-	88.9	-
Lmax		-	95.3	-	99.5	-	98.1
Standard Leq 8 hr		85(1)	115(2)	85(1)	115(2)	85(1)	115(2)
Standard Leq 8 hr(3)		90	140	90	140	90	140
Standard Leq 12 hr(1)		83	-	83	-	83	-
Standard Leq 12 hr(3)		87	140	87	140	87	140

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Suphakchaya Yoonim

Somchai P.
Somchai Piyavorasakul
General Manager

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ORIGINAL
ต้นฉบับ

TEST REPORT

Customer Name : THAI ENGINEERING PRODUCTS CO., LTD.
Address : 101/90 Moo. 20 Navanakorn Industrial Estate, Phaholyothin Road, Khlong Nueng, Khlong Luang, Pathumthani 12120
Contact : Tel (02) 909 1724-33 # 6315 Fax (02) 909 1724-33 # 6106
Job No. : S660327/Sep/Occ

Report No. : 2023/7-21
Report Date : September 26, 2023
Sampling Date : September 20, 2023
Type of Sample : Sound Level

Item	Sampling Time	Result (dB(A))			
		GC2			
		Line Knocking Line Cutting (Set D)		Trimming	
		20/09/23		20/09/23	
		Leq 1 hr.	Lmax	Leq 1 hr.	Lmax
1.	08.00-09.00	89.7	109.7	88.4	103.9
2.	09.00-10.00	88.9	104.8	88.6	107.6
3.	10.00-11.00	90.0	99.6	87.5	94.6
4.	11.00-12.00	89.6	106.0	88.3	93.5
5.	12.00-13.00	90.1	100.9	87.4	101.0
6.	13.00-14.00	88.5	97.6	88.2	97.6
7.	14.00-15.00	90.1	108.4	85.0	102.6
8.	15.00-16.00	89.6	102.5	84.9	90.5
9.	16.00-17.00	89.5	99.4	88.3	108.6
10.	17.00-18.00	88.3	104.8	88.1	105.0
11.	18.00-19.00	90.0	102.6	88.1	91.5
12.	19.00-20.00	89.6	106.6	87.7	92.2
Leq 8 hr		89.6	-	87.5	-
Leq 12 hr		89.5	-	87.7	-
Lmax		-	109.7	-	108.6
Standard Leq 8 hr		85(1)	115(2)	85(1)	115(2)
Standard Leq 8 hr(3)		90	140	90	140
Standard Leq 12 hr(1)		83	-	83	-
Standard Leq 12 hr(3)		87	140	87	140

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Suphakchaya Y.
Suphakchaya Yoonim

Somchai P.
Somchai Piyavorasakul
General Manager

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ORIGINAL
ต้นฉบับ

TEST REPORT

Customer Name : THAI ENGINEERING PRODUCTS CO., LTD.
Address : 101/90 Moo. 20 Navanakorn Industrial Estate, Phaholyothin Road, Khlong Nueng, Khlong Luang, Pathumthani 12120
Contact : Tel (02) 909 1724-33 # 6315 Fax (02) 909 1724-33 # 6106
Job No. : S660327/Sep/Occ

Report No. : 2023/8-21
Report Date : September 26, 2023
Sampling Date : September 19, 2023
Type of Sample : Sound Level

Item	Sampling Time	Result (dB(A))			
		MC1			
		Line A2		I/M8	
		19/09/23		19/09/23	
		Leq 1 hr.	Lmax	Leq 1 hr.	Lmax
1.	08.00-09.00	81.2	97.5	81.3	90.8
2.	09.00-10.00	80.6	87.9	82.6	90.6
3.	10.00-11.00	80.4	86.7	82.0	90.6
4.	11.00-12.00	80.1	93.9	81.2	89.1
5.	12.00-13.00	79.5	87.1	82.1	89.5
6.	13.00-14.00	80.0	86.1	81.3	89.8
7.	14.00-15.00	80.3	87.7	82.4	90.7
8.	15.00-16.00	80.2	87.9	82.8	90.5
9.	16.00-17.00	79.0	85.1	82.2	90.5
10.	17.00-18.00	80.0	89.5	82.4	89.7
11.	18.00-19.00	80.3	96.9	81.3	90.0
12.	19.00-20.00	79.1	88.0	82.2	89.4
Leq 8 hr		80.3	-	82.0	-
Leq 12 hr		80.1	-	82.0	-
Lmax		-	97.5	-	90.8
Standard Leq 8 hr		85(1)	115(2)	85(1)	115(2)
Standard Leq 8 hr(3)		90	140	90	140
Standard Leq 12 hr(1)		83	-	83	-
Standard Leq 12 hr(3)		87	140	87	140

Standard : (1) Reference to Notification of Department of Labour Protection and Welfare (2018) (B.E. 2561)
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Suphakchaya Y.
Suphakchaya Yoonim

Somchai P.
Somchai Piyavorasakul
General Manager

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ORIGINAL
ต้นฉบับ

TEST REPORT

Customer Name : THAI ENGINEERING PRODUCTS CO., LTD.
Address : 101/90 Moo. 20 Navanakorn Industrial Estate, Phaholyothin Road, Khlong Nueng, Khlong Luang, Pathumthani 12120
Contact : Tel (02) 909 1724-33 # 6315 Fax (02) 909 1724-33 # 6106
Job No. : S660327/Sep/Occ

Report No. : 2023/9-21
Report Date : September 26, 2023
Sampling Date : September 19, 2023
Type of Sample : Sound Level

Item	Sampling Time	Result (dB(A))			
		MC1			
		HO/P/FR 1-5		HO/P/FR 1-2	
		19/09/23		19/09/23	
		Leq 1 hr.	Lmax	Leq 1 hr.	Lmax
1.	08.00-09.00	85.9	92.2	83.6	90.6
2.	09.00-10.00	85.7	95.2	83.6	90.7
3.	10.00-11.00	85.6	95.9	83.7	91.7
4.	11.00-12.00	82.6	96.1	83.9	93.0
5.	12.00-13.00	85.6	96.3	83.8	92.8
6.	13.00-14.00	85.8	95.8	84.2	92.7
7.	14.00-15.00	85.1	95.5	83.9	90.1
8.	15.00-16.00	86.0	95.6	84.0	92.5
9.	16.00-17.00	84.4	96.4	84.7	95.8
10.	17.00-18.00	84.9	95.6	84.9	91.3
11.	18.00-19.00	84.8	96.1	85.6	91.0
12.	19.00-20.00	84.5	96.3	85.5	92.1
Leq 8 hr		85.4	-	83.8	-
Leq 12 hr		85.2	-	84.3	-
Lmax		-	96.4	-	95.8
Standard Leq 8 hr		85[1]	115[2]	85[1]	115[2]
Standard Leq 8 hr[3]		90	140	90	140
Standard Leq 12 hr[1]		83	-	83	-
Standard Leq 12 hr[3]		87	140	87	140

Standard : [1] Reference to Notification of Department of Labour Protection and Welfare (2018) (B.E. 2561)
[2] Ministry of Labour's Regulation (2016) (B.E. 2559)
[3] Notification of the Ministry of Industry (2003) (B.E. 2546)

Suphakchaya Yoonim

Somchai Piyavorasakul
General Manager

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ORIGINAL
ต้นฉบับ

TEST REPORT

Customer Name : THAI ENGINEERING PRODUCTS CO., LTD.
Address : 101/90 Moo. 20 Navanakorn Industrial Estate, Phaholyothin Road, Khlong Nueng, Khlong Luang, Pathumthani 12120
Contact : Tel (02) 909 1724-33 # 6315 Fax (02) 909 1724-33 # 6106
Job No. : S660327/Sep/Occ

Report No. : 2023/10-21
Report Date : September 26, 2023
Sampling Date : September 19, 2023
Type of Sample : Sound Level

Item	Sampling Time	Result (dB(A))			
		MC2			
		Line I/M6		Line/PA 02-1	
		19/09/23		19/09/23	
		Leq 1 hr.	Lmax	Leq 1 hr.	Lmax
1.	08.00-09.00	85.5	95.2	83.1	91.8
2.	09.00-10.00	84.9	98.9	83.2	92.5
3.	10.00-11.00	83.4	93.2	81.5	89.8
4.	11.00-12.00	85.5	93.6	80.1	97.1
5.	12.00-13.00	85.7	93.8	82.5	91.5
6.	13.00-14.00	85.6	94.3	82.9	89.6
7.	14.00-15.00	85.1	95.5	82.8	90.8
8.	15.00-16.00	85.2	94.4	82.0	89.7
9.	16.00-17.00	86.0	92.1	83.5	95.0
10.	17.00-18.00	85.9	94.4	83.3	93.0
11.	18.00-19.00	85.0	94.4	83.5	90.3
12.	19.00-20.00	86.0	95.7	82.1	91.2
Leq 8 hr		85.2	-	82.4	-
Leq 12 hr		85.4	-	82.6	-
Lmax		-	98.9	-	97.1
Standard Leq 8 hr		85(1)	115(2)	85(1)	115(2)
Standard Leq 8 hr(3)		90	140	90	140
Standard Leq 12 hr(1)		83	-	83	-
Standard Leq 12 hr(3)		87	140	87	140

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Suphakchaya Yoonim

Somchai Piyavorasakul
General Manager

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Contact : Tel (02) 909 1724-33 # 6315 Fax (02) 909 1724-33 # 6106
Job No. : S660327/Sep/Occ

Report No. : 2023/11-21
Report Date : September 26, 2023
Sampling Date : September 19, 2023
Type of Sample : Sound Level

3Item	Sampling Time	Result (dB(A))			
		MC2			
		HO/CON 3		A/TRM 2	
		19/09/23		19/09/23	
		Leq 1 hr.	Lmax	Leq 1 hr.	Lmax
1.	08.00-09.00	84.0	95.9	84.3	96.8
2.	09.00-10.00	84.1	96.3	84.4	98.5
3.	10.00-11.00	84.3	96.0	85.0	92.3
4.	11.00-12.00	84.2	95.9	83.4	91.8
5.	12.00-13.00	83.7	93.8	83.4	92.6
6.	13.00-14.00	84.6	92.9	83.4	92.4
7.	14.00-15.00	83.6	93.8	83.5	91.6
8.	15.00-16.00	83.1	92.0	82.5	91.3
9.	16.00-17.00	83.6	92.0	82.9	91.7
10.	17.00-18.00	84.1	98.8	82.5	91.2
11.	18.00-19.00	84.1	93.7	82.8	91.3
12.	19.00-20.00	84.3	94.8	83.0	91.5
Leq 8 hr		84.0	-	83.8	-
Leq 12 hr		84.0	-	83.5	-
Lmax		-	98.8	-	98.5
Standard Leq 8 hr		85(1)	115(2)	85(1)	115(2)
Standard Leq 8 hr(3)		90	140	90	140
Standard Leq 12 hr(1)		83	-	83	-
Standard Leq 12 hr(3)		87	140	87	140

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General Manager

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ORIGINAL
ต้นฉบับ

TEST REPORT

Customer Name : THAI ENGINEERING PRODUCTS CO., LTD.
Address : 101/90 Moo. 20 Navanakorn Industrial Estate, Phaholyothin Road, Khlong Nueng, Khlong Luang, Pathumthani 12120
Contact : Tel (02) 909 1724-33 # 6315 Fax (02) 909 1724-33 # 6106
Job No. : S660327/Sep/Occ

Report No. : 2023/12-21
Report Date : September 26, 2023
Sampling Date : September 18, 2023
Type of Sample : Sound Level

Item	Sampling Time	Result (dB(A))	
		AL5/Line Ganshin	
		18/09/23	
		Leq 1 hr.	Lmax
1.	08.00-09.00	94.7	106.9
2.	09.00-10.00	95.6	110.4
3.	10.00-11.00	77.6	92.3
4.	11.00-12.00	79.0	91.1
5.	12.00-13.00	75.1	86.6
6.	13.00-14.00	76.8	80.9
7.	14.00-15.00	91.5	101.3
8.	15.00-16.00	87.0	105.0
9.	16.00-17.00	78.0	93.4
10.	17.00-18.00	91.8	103.1
11.	18.00-19.00	91.8	102.7
12.	19.00-20.00	86.5	101.8
Leq 8 hr		90.4	-
Leq 12 hr		90.1	-
Lmax		-	110.4
Standard Leq 8 hr		85[1]	115[2]
Standard Leq 8 hr[3]		90	140
Standard Leq 12 hr[1]		83	-
Standard Leq 12 hr[3]		87	140

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Suphakchaya Yoonim

Somchai Piyavorasakul
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1/6 ซอยรามคำแหง 145 แขวงสะพานสูง เขตสะพานสูง กรุงเทพมหานคร 10240 Tel : 0-2373-7799 (Auto) Fax : 0-2373-7979

ORIGINAL
ต้นฉบับ

TEST REPORT

Customer Name : THAI ENGINEERING PRODUCTS CO., LTD.
Address : 101/90 Moo. 20 Navanakorn Industrial Estate, Phaholyothin Road, Khlong Nueng, Khlong Luang, Pathumthani 12120
Contact : Tel (02) 909 1724-33 # 6315 Fax (02) 909 1724-33 # 6106
Job No. : S660327/Dec/Occ

Report No. : 2023/1-21
Report Date : December 15, 2023
Sampling Date : December 7, 2023
Type of Sample : Sound Level

Item	Sampling Time	Result (dB(A))			
		Melting			
		Furnace J		Furnace I	
		07/12/23		07/12/23	
		Leq 1 hr.	Lmax	Leq 1 hr.	Lmax
1.	08.00-09.00	84.8	96.6	84.3	94.0
2.	09.00-10.00	84.9	93.1	84.0	92.5
3.	10.00-11.00	83.7	93.6	84.3	95.1
4.	11.00-12.00	85.0	94.8	84.7	96.6
5.	12.00-13.00	84.2	92.7	84.3	98.7
6.	13.00-14.00	84.7	92.8	84.1	90.7
7.	14.00-15.00	84.9	93.9	84.4	93.1
8.	15.00-16.00	85.0	98.1	85.3	93.5
9.	16.00-17.00	84.9	93.3	84.9	93.6
10.	17.00-18.00	84.6	94.4	85.0	92.4
11.	18.00-19.00	84.5	98.7	84.6	92.3
12.	19.00-20.00	85.0	92.2	84.5	96.1
Leq 8 hr		84.7	-	84.4	-
Leq 12 hr		84.7	-	84.5	-
Lmax		-	98.7	-	98.7
Standard Leq 8 hr		85(1)	115(2)	85(1)	115(2)
Standard Leq 8 hr(3)		90	140	90	140
Standard Leq 12 hr(1)		83	-	83	-
Standard Leq 12 hr(3)		87	140	87	140

Standard : (1) Reference to Notification of Department of Labour Protection and Welfare (2018) (B.E. 2561)
(2) Ministry of Labour's Regulation (2016) (B.E. 2559)
(3) Notification of the Ministry of Industry (2003) (B.E. 2546)

Suphakchaya Y.
Suphakchaya Yoonim

Somchai P.
Somchai Piyavorasakul
General Manager

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Thai Environmental Technic Limited
บริษัท เทคนิคสิ่งแวดล้อมไทย จำกัด

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E-mail : admin@tet1995.com
Tel : 0-2373-7799 (Auto) Fax : 0-2373-7979

ORIGINAL
ต้นฉบับ

TEST REPORT

Customer Name : THAI ENGINEERING PRODUCTS CO., LTD.
Address : 101/90 Moo. 20 Navanakorn Industrial Estate, Phaholyothin Road, Khlong Nueng, Khlong Luang, Pathumthani 12120
Contact : Tel (02) 909 1724-33 # 6315 Fax (02) 909 1724-33 # 6106
Job No. : S660327/Dec/Occ

Report No. : 2023/2-21
Report Date : December 15, 2023
Sampling Date : December 7, 2023
Type of Sample : Sound Level

Item	Sampling Time	Result (dB(A))	
		อาคาร MT	
		07/12/23	
		Leq 1 hr.	Lmax
1.	08.00-09.00	75.7	88.5
2.	09.00-10.00	73.9	90.6
3.	10.00-11.00	72.1	87.3
4.	11.00-12.00	74.2	89.7
5.	12.00-13.00	86.8	100.1
6.	13.00-14.00	72.9	80.7
7.	14.00-15.00	70.9	87.5
8.	15.00-16.00	70.1	73.5
9.	16.00-17.00	84.2	96.8
10.	17.00-18.00	84.2	94.8
11.	18.00-19.00	83.9	88.6
12.	19.00-20.00	81.1	95.4
Leq 8 hr		78.9	-
Leq 12 hr		81.0	-
Lmax		-	100.1
Standard Leq 8 hr		85[1]	115[2]
Standard Leq 8 hr[3]		90	140
Standard Leq 12 hr[1]		83	-
Standard Leq 12 hr[3]		87	140

Standard : [1] Reference to Notification of Department of Labour Protection and Welfare (2018) (B.E. 2561)
[2] Ministry of Labour's Regulation (2016) (B.E. 2559)
[3] Notification of the Ministry of Industry (2003) (B.E. 2546)

Suphakchaya Yoonim

Somchai Piyavorasakul
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ORIGINAL
ต้นฉบับ

TEST REPORT

Customer Name : THAI ENGINEERING PRODUCTS CO., LTD.
Address : 101/90 Moo. 20 Navanakorn Industrial Estate, Phaholyothin Road, Khlong Nueng, Khlong Luang, Pathumthani 12120
Contact : Tel (02) 909 1724-33 # 6315 Fax (02) 909 1724-33 # 6106
Job No. : S660327/Dec/Occ

Report No. : 2023/3-21
Report Date : December 15, 2023
Sampling Date : December 7, 2023
Type of Sample : Sound Level

Item	Sampling Time	Result (dB(A))					
		DC1					
		Trimming		Line 1650 No. 1		Line 800 No. 9	
		07/12/23		07/12/23		07/12/23	
		Leq 1 hr.	Lmax	Leq 1 hr.	Lmax	Leq 1 hr.	Lmax
1.	08.00-09.00	84.4	95.8	83.2	91.4	83.7	92.6
2.	09.00-10.00	83.9	95.4	83.2	90.9	83.4	95.1
3.	10.00-11.00	83.9	95.5	83.2	90.6	85.1	97.6
4.	11.00-12.00	82.6	91.3	83.2	91.4	85.1	96.2
5.	12.00-13.00	83.0	92.0	83.9	97.2	82.7	94.0
6.	13.00-14.00	82.9	89.7	84.9	97.8	84.8	98.8
7.	14.00-15.00	83.2	92.7	84.7	99.8	84.3	95.4
8.	15.00-16.00	82.6	95.8	84.4	96.7	83.6	91.9
9.	16.00-17.00	82.7	91.2	84.5	97.2	83.9	91.1
10.	17.00-18.00	81.5	93.7	82.3	88.8	83.9	91.4
11.	18.00-19.00	82.9	94.9	81.2	89.4	83.2	90.2
12.	19.00-20.00	82.8	93.0	82.8	90.9	82.7	91.2
Leq 8 hr		83.4	-	83.9	-	84.2	-
Leq 12 hr		83.1	-	83.6	-	83.9	-
Lmax		-	95.8	-	99.8	-	98.8
Standard Leq 8 hr		85(1)	115(2)	85(1)	115(2)	85(1)	115(2)
Standard Leq 8 hr(3)		90	140	90	140	90	140
Standard Leq 12 hr(1)		83	-	83	-	83	-
Standard Leq 12 hr(3)		87	140	87	140	87	140

Standard : (1) Reference to Notification of Department of Labour Protection and Welfare (2018) (B.E. 2561)
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Suphakchaya Y.
Suphakchaya Yoonim

Somchai P.
Somchai Piyavorasakul
General Manager

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ORIGINAL
ต้นฉบับ

TEST REPORT

Customer Name : THAI ENGINEERING PRODUCTS CO., LTD.
Address : 101/90 Moo. 20 Navanakorn Industrial Estate, Phaholyothin Road, Khlong Nueng, Khlong Luang, Pathumthani 12120
Contact : Tel (02) 909 1724-33 # 6315 Fax (02) 909 1724-33 # 6106
Job No. : S660327/Dec/Occ

Report No. : 2023/4-21
Report Date : December 15, 2023
Sampling Date : December 7, 2023
Type of Sample : Sound Level

Item	Sampling Time	Result (dB(A))					
		DC2					
		Line 350 No. 10		Line 500 No. 1		Line Trimming T5	
		07/12/23		07/12/23		07/12/23	
		Leq 1 hr.	Lmax	Leq 1 hr.	Lmax	Leq 1 hr.	Lmax
1.	08.00-09.00	81.2	89.4	84.9	93.1	84.6	89.9
2.	09.00-10.00	81.9	91.1	84.4	94.0	86.3	93.7
3.	10.00-11.00	82.3	94.7	84.7	94.8	85.1	98.8
4.	11.00-12.00	82.5	90.1	84.3	92.0	85.9	91.5
5.	12.00-13.00	81.3	91.2	84.2	90.7	86.9	96.7
6.	13.00-14.00	83.6	98.8	84.8	96.6	85.0	90.8
7.	14.00-15.00	84.4	99.4	84.4	94.1	85.9	91.5
8.	15.00-16.00	84.7	100.7	84.2	90.1	85.8	92.8
9.	16.00-17.00	82.1	89.2	84.6	95.0	85.3	95.2
10.	17.00-18.00	83.7	99.9	84.8	97.2	82.7	95.2
11.	18.00-19.00	78.5	90.4	84.7	95.0	82.1	92.2
12.	19.00-20.00	79.3	88.8	83.8	93.7	81.8	91.8
Leq 8 hr		82.9	-	84.5	-	85.7	-
Leq 12 hr		82.5	-	84.5	-	85.1	-
Lmax		-	100.7	-	97.2	-	98.8
Standard Leq 8 hr		85(1)	115(2)	85(1)	115(2)	85(1)	115(2)
Standard Leq 8 hr(3)		90	140	90	140	90	140
Standard Leq 12 hr(1)		83	-	83	-	83	-
Standard Leq 12 hr(3)		87	140	87	140	87	140

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Suphakchaya Y.
Suphakchaya Yoonim

Somchai P.
Somchai Piyavorasakul
General Manager

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ORIGINAL
ต้นฉบับ

TEST REPORT

Customer Name : THAI ENGINEERING PRODUCTS CO., LTD.
Address : 101/90 Moo. 20 Navanakorn Industrial Estate, Phaholyothin Road, Khlong Nueng, Khlong Luang, Pathumthani 12120
Contact : Tel (02) 909 1724-33 # 6315 Fax (02) 909 1724-33 # 6106
Job No. : S660327/Dec/Occ

Report No. : 2023/5-21
Report Date : December 15, 2023
Sampling Date : December 8, 2023
Type of Sample : Sound Level

Item	Sampling Time	Result (dB(A))					
		DC3					
		Line 1250 No. 3		Line HVSC No. 3		Line Trimming T1	
		08/12/23		08/12/23		08/12/23	
		Leq 1 hr.	Lmax	Leq 1 hr.	Lmax	Leq 1 hr.	Lmax
1.	08.00-09.00	87.2	94.5	84.3	92.2	85.2	94.1
2.	09.00-10.00	85.5	94.2	84.5	92.7	86.2	94.9
3.	10.00-11.00	84.0	91.3	75.8	87.9	86.2	94.8
4.	11.00-12.00	86.6	94.5	84.3	92.2	86.6	93.3
5.	12.00-13.00	86.4	94.6	84.1	92.3	86.5	93.9
6.	13.00-14.00	85.4	93.6	83.2	91.4	86.4	93.2
7.	14.00-15.00	86.4	94.3	84.2	92.1	83.4	92.1
8.	15.00-16.00	85.1	95.2	82.9	93.0	84.4	98.6
9.	16.00-17.00	84.3	98.6	85.0	92.3	87.0	99.1
10.	17.00-18.00	83.9	95.3	83.3	92.0	84.8	90.1
11.	18.00-19.00	83.8	91.3	81.8	89.1	79.9	89.3
12.	19.00-20.00	82.3	91.0	79.6	88.3	80.4	89.5
Leq 8 hr		85.9	-	83.5	-	85.7	-
Leq 12 hr		85.3	-	83.3	-	85.2	-
Lmax		-	98.6	-	93.0	-	99.1
Standard Leq 8 hr		85(1)	115(2)	85(1)	115(2)	85(1)	115(2)
Standard Leq 8 hr(3)		90	140	90	140	90	140
Standard Leq 12 hr(1)		83	-	83	-	83	-
Standard Leq 12 hr(3)		87	140	87	140	87	140

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Suphakchaya Y.
Suphakchaya Yoonim

Somchai P.
Somchai Piyavorasakul
General Manager

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ORIGINAL
ต้นฉบับ

TEST REPORT

Customer Name : THAI ENGINEERING PRODUCTS CO., LTD.
Address : 101/90 Moo. 20 Navanakorn Industrial Estate, Phaholyothin Road, Khlong Nueng, Khlong Luang, Pathumthani 12120
Contact : Tel (02) 909 1724-33 # 6315 Fax (02) 909 1724-33 # 6106
Job No. : S660327/Dec/Occ

Report No. : 2023/6-21
Report Date : December 15, 2023
Sampling Date : December 11, 2023
Type of Sample : Sound Level

Item	Sampling Time	Result (dB(A))					
		GC2					
		Line RG003		Line GC 1-2		Line GC 1-23	
		11/12/23		11/12/23		11/12/23	
		Leq 1 hr.	Lmax	Leq 1 hr.	Lmax	Leq 1 hr.	Lmax
1.	08.00-09.00	88.3	92.9	86.6	95.2	87.6	99.5
2.	09.00-10.00	88.5	96.0	87.2	95.5	87.3	92.7
3.	10.00-11.00	88.8	93.3	84.6	94.9	86.7	91.6
4.	11.00-12.00	88.9	95.6	84.9	98.3	82.9	91.8
5.	12.00-13.00	87.4	92.6	82.4	90.0	85.7	91.4
6.	13.00-14.00	88.0	96.6	84.2	93.6	86.8	93.2
7.	14.00-15.00	88.5	96.4	84.0	92.0	86.5	93.0
8.	15.00-16.00	88.0	97.9	83.7	91.8	87.0	93.8
9.	16.00-17.00	88.4	94.7	83.9	92.2	84.9	90.4
10.	17.00-18.00	88.2	93.5	83.9	94.1	84.6	87.6
11.	18.00-19.00	87.0	92.6	82.1	89.0	84.5	87.8
12.	19.00-20.00	86.0	94.8	82.0	94.9	84.4	92.6
Leq 8 hr		88.3	-	85.0	-	86.5	-
Leq 12 hr		88.1	-	84.4	-	86.0	-
Lmax		-	97.9	-	98.3	-	99.5
Standard Leq 8 hr		85(1)	115(2)	85(1)	115(2)	85(1)	115(2)
Standard Leq 8 hr(3)		90	140	90	140	90	140
Standard Leq 12 hr(1)		83	-	83	-	83	-
Standard Leq 12 hr(3)		87	140	87	140	87	140

Standard : (1) Reference to Notification of Department of Labour Protection and Welfare (2018) (B.E. 2561)
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Somchai Piyavorasakul
General Manager

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Contact : Tel (02) 909 1724-33 # 6315 Fax (02) 909 1724-33 # 6106
Job No. : S660327/Dec/Occ

Report No. : 2023/7-21
Report Date : December 15, 2023
Sampling Date : December 11, 2023
Type of Sample : Sound Level

Item	Sampling Time	Result (dB(A))			
		GC2			
		Line Knocking Line Cutting (Set D)		Trimming	
		11/12/23		11/12/23	
		Leq 1 hr.	Lmax	Leq 1 hr.	Lmax
1.	08.00-09.00	88.4	97.8	87.0	95.1
2.	09.00-10.00	88.5	98.1	86.9	95.6
3.	10.00-11.00	88.4	96.9	86.6	94.7
4.	11.00-12.00	88.5	100.8	86.2	96.2
5.	12.00-13.00	87.2	94.1	83.5	89.7
6.	13.00-14.00	88.6	97.2	86.6	95.0
7.	14.00-15.00	88.3	104.5	86.9	94.1
8.	15.00-16.00	88.8	98.4	86.2	97.4
9.	16.00-17.00	88.9	98.9	87.2	95.9
10.	17.00-18.00	88.5	100.1	87.2	94.4
11.	18.00-19.00	88.7	101.8	87.4	95.1
12.	19.00-20.00	87.9	100.6	86.6	93.9
Leq 8 hr		88.4	-	86.4	-
Leq 12 hr		88.4	-	86.6	-
Lmax		-	104.5	-	97.4
Standard Leq 8 hr		85(1)	115(2)	85(1)	115(2)
Standard Leq 8 hr(3)		90	140	90	140
Standard Leq 12 hr(1)		83	-	83	-
Standard Leq 12 hr(3)		87	140	87	140

Standard : (1) Reference to Notification of Department of Labour Protection and Welfare (2018) (B.E. 2561)
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Suphakchaya Y.
Suphakchaya Yoonim

Somchai P.
Somchai Piyavorasakul
General Manager

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ORIGINAL
ต้นฉบับ

TEST REPORT

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Job No. : S660327/Dec/Occ

Report No. : 2023/8-21
Report Date : December 15, 2023
Sampling Date : December 8, 2023
Type of Sample : Sound Level

Item	Sampling Time	Result (dB(A))			
		MC1			
		Line A2		I/M8	
		08/12/23		08/12/23	
		Leq 1 hr.	Lmax	Leq 1 hr.	Lmax
1.	08.00-09.00	82.3	103.0	82.5	92.1
2.	09.00-10.00	82.8	93.5	82.5	93.5
3.	10.00-11.00	83.1	92.7	82.7	93.2
4.	11.00-12.00	81.8	95.4	81.8	93.5
5.	12.00-13.00	69.4	83.9	82.6	94.9
6.	13.00-14.00	76.3	88.2	82.7	93.2
7.	14.00-15.00	81.7	91.8	82.1	91.3
8.	15.00-16.00	82.7	91.6	82.7	93.6
9.	16.00-17.00	82.6	91.5	82.0	96.6
10.	17.00-18.00	81.7	91.9	82.1	95.7
11.	18.00-19.00	81.7	92.2	77.6	95.0
12.	19.00-20.00	82.2	90.9	74.5	81.8
Leq 8 hr		81.4	-	82.5	-
Leq 12 hr		81.6	-	81.8	-
Lmax		-	103.0	-	96.6
Standard Leq 8 hr		85(1)	115(2)	85(1)	115(2)
Standard Leq 8 hr(3)		90	140	90	140
Standard Leq 12 hr(1)		83	-	83	-
Standard Leq 12 hr(3)		87	140	87	140

Standard : (1) Reference to Notification of Department of Labour Protection and Welfare (2018) (B.E. 2561)
(2) Ministry of Labour's Regulation (2016) (B.E. 2559)
(3) Notification of the Ministry of Industry (2003) (B.E. 2546)

Suphakchaya Y.
Suphakchaya Yoonim

Somchai P.
Somchai Piyavorasakul
General Manager

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E-mail : admin@tet1995.com
Tel : 0-2373-7799 (Auto) Fax : 0-2373-7979

ORIGINAL
ต้นฉบับ

TEST REPORT

Customer Name : THAI ENGINEERING PRODUCTS CO., LTD.
Address : 101/90 Moo. 20 Navanakorn Industrial Estate, Phaholyothin Road, Khlong Nueng, Khlong Luang, Pathumthani 12120
Contact : Tel (02) 909 1724-33 # 6315 Fax (02) 909 1724-33 # 6106
Job No. : S660327/Dec/Occ

Report No. : 2023/9-21
Report Date : December 15, 2023
Sampling Date : December 8, 2023
Type of Sample : Sound Level

Item	Sampling Time	Result (dB(A))			
		MC1			
		HO/P/FR 1-5		HO/P/FR 1-2	
		08/12/23		08/12/23	
		Leq 1 hr.	Lmax	Leq 1 hr.	Lmax
1.	08.00-09.00	87.4	98.0	85.2	99.0
2.	09.00-10.00	86.6	97.3	84.1	89.8
3.	10.00-11.00	86.1	94.0	84.1	89.9
4.	11.00-12.00	86.3	94.5	69.2	82.3
5.	12.00-13.00	77.6	89.7	84.0	90.4
6.	13.00-14.00	86.1	94.0	83.9	89.7
7.	14.00-15.00	85.9	94.1	84.1	92.9
8.	15.00-16.00	84.9	93.1	82.0	90.3
9.	16.00-17.00	85.9	93.8	72.4	87.4
10.	17.00-18.00	84.6	94.7	72.9	83.2
11.	18.00-19.00	83.5	90.8	73.2	90.5
12.	19.00-20.00	81.8	90.5	73.1	83.1
Leq 8 hr		85.7	-	83.4	-
Leq 12 hr		85.3	-	81.9	-
Lmax		-	98.0	-	99.0
Standard Leq 8 hr		85[1]	115[2]	85[1]	115[2]
Standard Leq 8 hr[3]		90	140	90	140
Standard Leq 12 hr[1]		83	-	83	-
Standard Leq 12 hr[3]		87	140	87	140

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ORIGINAL
ต้นฉบับ

TEST REPORT

Customer Name : THAI ENGINEERING PRODUCTS CO., LTD.
Address : 101/90 Moo. 20 Navanakorn Industrial Estate, Phaholyothin Road, Khlong Nueng, Khlong Luang, Pathumthani 12120
Contact : Tel (02) 909 1724-33 # 6315 Fax (02) 909 1724-33 # 6106
Job No. : S660327/Dec/Occ

Report No. : 2023/10-21
Report Date : December 15, 2023
Sampling Date : December 8, 2023
Type of Sample : Sound Level

Item	Sampling Time	Result (dB(A))			
		MC2			
		Line I/M6		Line/PA 02-1	
		08/12/23		08/12/23	
		Leq 1 hr.	Lmax	Leq 1 hr.	Lmax
1.	08.00-09.00	81.3	88.9	82.4	92.4
2.	09.00-10.00	82.6	88.1	82.0	90.4
3.	10.00-11.00	82.4	87.9	82.8	92.7
4.	11.00-12.00	82.4	87.9	81.9	94.1
5.	12.00-13.00	69.1	79.1	79.0	97.2
6.	13.00-14.00	82.2	88.2	82.9	96.6
7.	14.00-15.00	82.5	88.2	82.0	94.3
8.	15.00-16.00	82.3	88.7	82.7	92.8
9.	16.00-17.00	80.8	90.2	81.2	93.9
10.	17.00-18.00	79.6	89.4	81.3	88.7
11.	18.00-19.00	70.7	86.9	77.3	83.4
12.	19.00-20.00	70.4	76.3	74.7	90.1
Leq 8 hr		81.7	-	82.1	-
Leq 12 hr		80.7	-	81.4	-
Lmax		-	90.2	-	97.2
Standard Leq 8 hr		85(1)	115(2)	85(1)	115(2)
Standard Leq 8 hr(3)		90	140	90	140
Standard Leq 12 hr(1)		83	-	83	-
Standard Leq 12 hr(3)		87	140	87	140

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ORIGINAL
ต้นฉบับ

TEST REPORT

Customer Name : THAI ENGINEERING PRODUCTS CO., LTD.
Address : 101/90 Moo. 20 Navanakorn Industrial Estate, Phaholyothin Road, Khlong Nueng, Khlong Luang, Pathumthani 12120
Contact : Tel (02) 909 1724-33 # 6315 Fax (02) 909 1724-33 # 6106
Job No. : S660327/Dec/Occ

Report No. : 2023/11-21
Report Date : December 15, 2023
Sampling Date : December 8, 2023
Type of Sample : Sound Level

3Item	Sampling Time	Result (dB(A))			
		MC2			
		HO/CON 3		A/TRM 2	
		08/12/23		08/12/23	
		Leq 1 hr.	Lmax	Leq 1 hr.	Lmax
1.	08.00-09.00	82.9	95.4	78.9	90.4
2.	09.00-10.00	86.2	97.7	79.6	88.4
3.	10.00-11.00	83.1	97.9	74.4	81.5
4.	11.00-12.00	83.4	93.7	79.3	89.2
5.	12.00-13.00	84.7	97.6	79.2	88.3
6.	13.00-14.00	86.1	96.2	79.1	90.4
7.	14.00-15.00	86.4	96.2	77.3	89.2
8.	15.00-16.00	86.4	96.9	79.7	89.0
9.	16.00-17.00	87.4	95.9	78.5	88.5
10.	17.00-18.00	86.1	97.7	76.0	87.9
11.	18.00-19.00	86.3	97.7	78.8	89.8
12.	19.00-20.00	85.7	97.0	78.5	88.5
Leq 8 hr		85.1	-	78.7	-
Leq 12 hr		85.6	-	78.5	-
Lmax		-	97.9	-	90.4
Standard Leq 8 hr		85(1)	115(2)	85(1)	115(2)
Standard Leq 8 hr(3)		90	140	90	140
Standard Leq 12 hr(1)		83	-	83	-
Standard Leq 12 hr(3)		87	140	87	140

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Somchai Piyavorasakul
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ORIGINAL
ต้นฉบับ

TEST REPORT

Customer Name : THAI ENGINEERING PRODUCTS CO., LTD.
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Contact : Tel (02) 909 1724-33 # 6315 Fax (02) 909 1724-33 # 6106
Job No. : S660327/Dec/Occ

Report No. : 2023/12-21
Report Date : December 15, 2023
Sampling Date : December 7, 2023
Type of Sample : Sound Level

Item	Sampling Time	Result (dB(A))	
		AL5/Line Ganshin	
		07/12/23	
		Leq 1 hr.	Lmax
1.	08.00-09.00	92.7	100.6
2.	09.00-10.00	75.1	86.2
3.	10.00-11.00	76.0	93.2
4.	11.00-12.00	89.6	100.5
5.	12.00-13.00	89.3	95.8
6.	13.00-14.00	74.1	84.8
7.	14.00-15.00	71.5	83.6
8.	15.00-16.00	71.5	85.8
9.	16.00-17.00	73.8	84.3
10.	17.00-18.00	90.4	101.6
11.	18.00-19.00	87.2	95.6
12.	19.00-20.00	74.0	89.1
Leq 8 hr		86.7	-
Leq 12 hr		86.5	-
Lmax		-	101.6
Standard Leq 8 hr		85[1]	115[2]
Standard Leq 8 hr[3]		90	140
Standard Leq 12 hr[1]		83	-
Standard Leq 12 hr[3]		87	140

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ORIGINAL
ต้นฉบับ

TEST REPORT

Customer Name : THAI ENGINEERING PRODUCTS CO., LTD.
Address : 101/90 Moo. 20 Navanakorn Industrial Estate, Phaholyothin Road, Khlong Nueng, Khlong Luang, Pathumthani 12120
Contact : Tel (02) 909 1724-33 # 6315 Fax (02) 909 1724-33 # 6106
Job No. : S660327/Sep/Occ

Report No. : 2023/13-21
Report Date : September 26, 2023
Sampling Date : September 18, 2023
Type of Sample : Noise Dose

Item	Description	Unit	Result		Standard	
			Melting/Furnace J	อาคาร MT	(1)	(2)
1.	Sampling Date	-	18/09/23	18/09/23	-	-
2.	TWA	dB(A)	82.3	74.8	85	90
3.	Lmax	dB(A)	94.6	98.5	115[3]	140
4.	Dose	%	53.2	9.5	100[4]	-

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(4) American Conference of Government Industrial Hygienists; ACGIH

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Suphakchaya Yoonim

Thai Environmental Technic Limited

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Somchai Piyavorasakul
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TEST REPORT

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Contact : Tel (02) 909 1724-33 # 6315 Fax (02) 909 1724-33 # 6106
Job No. : S660327/Sep/Occ

Report No. : 2023/14-21
Report Date : September 26, 2023
Sampling Date : September 18, 2023
Type of Sample : Noise Dose

Item	Description	Unit	Result			Standard	
			DC1				
			Line 800 No. 6	Line 1650 No. 1	Line 800 No. 9	(1)	(2)
1.	Sampling Date	-	18/09/23	18/09/23	18/09/23	-	-
2.	TWA	dB(A)	87.5	83.1	82.8	85	90
3.	Lmax	dB(A)	101.3	99.6	108.8	115[3]	140
4.	Dose	%	178.8	64.3	60.8	100[4]	-

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Contact : Tel (02) 909 1724-33 # 6315 Fax (02) 909 1724-33 # 6106
Job No. : S660327/Sep/Occ

Report No. : 2023/15-21
Report Date : September 26, 2023
Sampling Date : September 18, 2023
Type of Sample : Noise Dose

Item	Description	Unit	Result			Standard	
			DC2				
			Line 500 No. 5	Line 350 No. 10	Line Trimming T4	(1)	(2)
1.	Sampling Date	-	18/09/23	18/09/23	18/09/23	-	-
2.	TWA	dB(A)	83.0	83.2	84.3	85	90
3.	Lmax	dB(A)	107.8	94.6	109.7	115[3]	140
4.	Dose	%	62.9	66.1	84.7	100[4]	-

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TEST REPORT

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Contact : Tel (02) 909 1724-33 # 6315 Fax (02) 909 1724-33 # 6106
Job No. : S660327/Sep/Occ

Report No. : 2023/16-21
Report Date : September 26, 2023
Sampling Date : September 19, 2023
Type of Sample : Noise Dose

Item	Description	Unit	Result			Standard	
			DC3				
			Line 1250 No. 3	Line HVSC No. 2	Line Trimming T1	(1)	(2)
1.	Sampling Date	-	19/09/23	19/09/23	19/09/23	-	-
2.	TWA	dB(A)	87.2	86.3	86.7	85	90
3.	Lmax	dB(A)	106.2	98.4	100.4	115[3]	140
4.	Dose	%	166.0	135.8	147.3	100[4]	-

Standard : (1) Notification of the Department of Labour Protection and Welfare (2018) (B.E. 2561)
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Contact : Tel (02) 909 1724-33 # 6315 Fax (02) 909 1724-33 # 6106
Job No. : S660327/Sep/Occ

Report No. : 2023/17-21
Report Date : September 26, 2023
Sampling Date : September 20, 2023
Type of Sample : Noise Dose

Item	Description	Unit	Result		Standard	
			GC2			
			Line RG003	Line GC 1-23	(1)	(2)
1.	Sampling Date	-	20/09/23	20/09/23	-	-
2.	TWA	dB(A)	80.5	85.4	85	90
3.	Lmax	dB(A)	90.1	100.8	115[3]	140
4.	Dose	%	35.7	110.3	100[4]	-

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Suphakchaya Yoonim

Somchai Piyavorasakul
General Manager

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ORIGINAL
ต้นฉบับ

TEST REPORT

Customer Name : THAI ENGINEERING PRODUCTS CO., LTD.
Address : 101/90 Moo. 20 Navanakorn Industrial Estate, Phaholyothin Road, Khlong Nueng, Khlong Luang, Pathumthani 12120
Contact : Tel (02) 909 1724-33 # 6315 Fax (02) 909 1724-33 # 6106
Job No. : S660327/Sep/Occ

Report No. : 2023/18-21
Report Date : September 26, 2023
Sampling Date : September 20, 2023
Type of Sample : Noise Dose

Item	Description	Unit	Result		Standard	
			GC2			
			Line Knocking Line Cutting (Set D)	Trimming	(1)	(2)
1.	Sampling Date	-	20/09/23	20/09/23	-	-
2.	TWA	dB(A)	86.7	80.8	85	90
3.	Lmax	dB(A)	101.6	106.5	115[3]	140
4.	Dose	%	149.3	38.0	100[4]	-

Standard : (1) Notification of the Department of Labour Protection and Welfare (2018) (B.E. 2561)
(2) Notification of the Ministry (2003) (B.E. 2546)
(3) Ministry of Labour's Regulation (2016) (B.E. 2559)
(4) American Conference of Government Industrial Hygienists; ACGIH

Suphakchaya Y.
Suphakchaya Yoonim

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Somchai P.
Somchai Piyavorasakul
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Job No. : S660327/Sep/Occ

Report No. : 2023/19-21
Report Date : September 26, 2023
Sampling Date : September 19, 2023
Type of Sample : Noise Dose

Item	Description	Unit	Result			Standard	
			MC1				
			Line A2	I/M8	HO/P/FR 1-2	(1)	(2)
1.	Sampling Date	-	19/09/23	19/09/23	19/09/23	-	-
2.	TWA	dB(A)	80.1	82.4	84.8	85	90
3.	Lmax	dB(A)	96.4	89.1	89.3	115[3]	140
4.	Dose	%	32.4	55.0	95.0	100[4]	-

Standard : (1) Notification of the Department of Labour Protection and Welfare (2018) (B.E. 2561)
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Contact : Tel (02) 909 1724-33 # 6315 Fax (02) 909 1724-33 # 6106
Job No. : S660327/Sep/Occ

Report No. : 2023/20-21
Report Date : September 26, 2023
Sampling Date : September 19, 2023
Type of Sample : Noise Dose

Item	Description	Unit	Result		Standard	
			MC2			
			Line/PA/02-1	HO/CON 3	(1)	(2)
1.	Sampling Date	-	19/09/23	19/09/23	-	-
2.	TWA	dB(A)	82.9	81.1	85	90
3.	Lmax	dB(A)	105.5	93.3	115[3]	140
4.	Dose	%	62.1	40.5	100[4]	-

Standard : [1] Notification of the Department of Labour Protection and Welfare (2018) (B.E. 2561)
[2] Notification of the Ministry (2003) (B.E. 2546)
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Job No. : S660327/Sep/Occ

Report No. : 2023/21-21
Report Date : September 26, 2023
Sampling Date : September 18, 2023
Type of Sample : Noise Dose

Item	Description	Unit	Result	Standard	
			Ganshin (AL5)	(1)	(2)
1.	Sampling Date	-	18/09/23	-	-
2.	TWA	dB(A)	87.2	85	90
3.	Lmax	dB(A)	110.7	115[3]	140
4.	Dose	%	167.8	100[4]	-

Standard : [1] Notification of the Department of Labour Protection and Welfare (2018) (B.E. 2561)
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Job No. : S660327/Dec/Occ

Report No. : 2023/13-21
Report Date : December 15, 2023
Sampling Date : December 7, 2023
Type of Sample : Noise Dose

Item	Description	Unit	Result		Standard	
			Melting/Furnace J	อาคาร MT	(1)	(2)
1.	Sampling Date	-	07/12/23	07/12/23	-	-
2.	TWA	dB(A)	84.2	80.8	85	90
3.	Lmax	dB(A)	96.3	105.8	115[3]	140
4.	Dose	%	84.0	37.8	100[4]	-

Standard : (1) Notification of the Department of Labour Protection and Welfare (2018) (B.E. 2561)
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Job No. : S660327/Dec/Occ

Report No. : 2023/14-21
Report Date : December 15, 2023
Sampling Date : December 7, 2023
Type of Sample : Noise Dose

Item	Description	Unit	Result			Standard	
			DC1				
			Trimming	Line 1650 No. 1	Line 800 No. 9	(1)	(2)
1.	Sampling Date	-	07/12/23	07/12/23	07/12/23	-	-
2.	TWA	dB(A)	84.3	84.1	82.6	85	90
3.	Lmax	dB(A)	97.9	100.9	94.4	115[3]	140
4.	Dose	%	85.8	81.1	57.2	100[4]	-

Standard : (1) Notification of the Department of Labour Protection and Welfare (2018) (B.E. 2561)
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Job No. : S660327/Dec/Occ

Report No. : 2023/15-21
Report Date : December 15, 2023
Sampling Date : December 7, 2023
Type of Sample : Noise Dose

Item	Description	Unit	Result			Standard	
			DC2				
			Line 500 No. 1	Line 350 No. 10	Line Trimming T5	(1)	(2)
1.	Sampling Date	-	07/12/23	07/12/23	07/12/23	-	-
2.	TWA	dB(A)	81.8	86.3	84.6	85	90
3.	Lmax	dB(A)	99.6	108.1	101.8	115[3]	140
4.	Dose	%	47.8	134.1	92.1	100[4]	-

Standard : (1) Notification of the Department of Labour Protection and Welfare (2018) (B.E. 2561)
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Contact : Tel (02) 909 1724-33 # 6315 Fax (02) 909 1724-33 # 6106
Job No. : S660327/Dec/Occ

Report No. : 2023/16-21
Report Date : December 15, 2023
Sampling Date : December 8, 2023
Type of Sample : Noise Dose

Item	Description	Unit	Result			Standard	
			DC3				
			Line 1250 No. 3	Line HVSC No. 3	Line Trimming T1	(1)	(2)
1.	Sampling Date	-	08/12/23	08/12/23	08/12/23	-	-
2.	TWA	dB(A)	87.5	85.7	86.1	85	90
3.	Lmax	dB(A)	109.6	109.6	99.4	115[3]	140
4.	Dose	%	176.4	116.5	129.6	100[4]	-

Standard : [1] Notification of the Department of Labour Protection and Welfare (2018) (B.E. 2561)
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Job No. : S660327/Dec/Occ

Report No. : 2023/17-21
Report Date : December 15, 2023
Sampling Date : December 11, 2023
Type of Sample : Noise Dose

Item	Description	Unit	Result		Standard	
			GC2			
			Line RG003	Line GC 1-23	(1)	(2)
1.	Sampling Date	-	11/12/23	11/12/23	-	-
2.	TWA	dB(A)	87.2	86.4	85	90
3.	Lmax	dB(A)	95.2	105.6	115[3]	140
4.	Dose	%	165.4	137.3	100[4]	-

Standard : (1) Notification of the Department of Labour Protection and Welfare (2018) (B.E. 2561)
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Job No. : S660327/Dec/Occ

Report No. : 2023/18-21
Report Date : December 15, 2023
Sampling Date : December 11, 2023
Type of Sample : Noise Dose

Item	Description	Unit	Result		Standard	
			GC2			
			Line Knocking Line Cutting (Set D)	Trimming	(1)	(2)
1.	Sampling Date	-	11/12/23	11/12/23	-	-
2.	TWA	dB(A)	84.2	84.9	85	90
3.	Lmax	dB(A)	97.7	94.7	115[3]	140
4.	Dose	%	83.3	98.5	100[4]	-

Standard : (1) Notification of the Department of Labour Protection and Welfare (2018) (B.E. 2561)
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Report No. : 2023/19-21
Report Date : December 15, 2023
Sampling Date : December 8, 2023
Type of Sample : Noise Dose

Item	Description	Unit	Result			Standard	
			MC1				
			Line A2	I/M8	HO/P/FR 1-2	(1)	(2)
1.	Sampling Date	-	08/12/23	08/12/23	08/12/23	-	-
2.	TWA	dB(A)	81.4	82.2	85.0	85	90
3.	Lmax	dB(A)	104.5	108.8	93.6	115[3]	140
4.	Dose	%	43.3	52.0	99.3	100[4]	-

Standard : (1) Notification of the Department of Labour Protection and Welfare (2018) (B.E. 2561)
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Job No. : S660327/Dec/Occ

Report No. : 2023/20-21
Report Date : December 15, 2023
Sampling Date : December 8, 2023
Type of Sample : Noise Dose

Item	Description	Unit	Result		Standard	
			MC2			
			Line/PA/02-1	HO/CON 3	(1)	(2)
1.	Sampling Date	-	08/12/23	08/12/23	-	-
2.	TWA	dB(A)	82.4	82.8	85	90
3.	Lmax	dB(A)	96.5	88.7	115[3]	140
4.	Dose	%	54.8	60.5	100[4]	-

Standard : [1] Notification of the Department of Labour Protection and Welfare (2018) (B.E. 2561)
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1/6 ซอยรามคำแหง 145 แขวงสะพานสูง เขตสะพานสูง กรุงเทพมหานคร 10240
E-mail : admin@tet1995.com
Tel : 0-2373-7799 (Auto) Fax : 0-2373-7979

ORIGINAL
ต้นฉบับ

TEST REPORT

Customer Name : THAI ENGINEERING PRODUCTS CO., LTD.
Address : 101/90 Moo. 20 Navanakorn Industrial Estate, Phaholyothin Road, Khlong Nueng, Khlong Luang, Pathumthani 12120
Contact : Tel (02) 909 1724-33 # 6315 Fax (02) 909 1724-33 # 6106
Job No. : S660327/Dec/Occ

Report No. : 2023/21-21
Report Date : December 15, 2023
Sampling Date : December 7, 2023
Type of Sample : Noise Dose

Item	Description	Unit	Result	Standard	
			Ganshin (AL5)	(1)	(2)
1.	Sampling Date	-	07/12/23	-	-
2.	TWA	dB(A)	83.0	85	90
3.	Lmax	dB(A)	99.7	115[3]	140
4.	Dose	%	62.8	100[4]	-

Standard : (1) Notification of the Department of Labour Protection and Welfare (2018) (B.E. 2561)
(2) Notification of the Ministry (2003) (B.E. 2546)
(3) Ministry of Labour's Regulation (2016) (B.E. 2559)
(4) American Conference of Government Industrial Hygienists; ACGIH

Suphakchaya Y.
Suphakchaya Yoonim

Somchai P.
Somchai Piyavorasakul
General Manager

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Thai Environmental Technic Limited
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Address : 101/90 Moo. 20 Navanakorn Industrial Estate, Phaholyothin Road, Khlong Nueng, Khlong Luang, Pathumthani 12120
Contact : Tel : (02) 909 1724-33 #6315 Fax : (02) 909 1724-33 #6106
Job No. : S660327/Oct/Occ

Report No. : 3247/2023/1-12
Report Date : October 24, 2023
Sampling Date : October 9, 2023
Type of Sample : Heat

Item	Description	Sampling Date	Sampling Time	Result (^{0}C)				
				NWB	DB	GT	WBGT	WBGT Average
1.	อาคาร Melting จุดพักกะ Melt - นั่งพัก	09/10/23	09.30-11.30	20.4	24.7	25.0	21.8	21.8
Standard[(1)(2)]				-	-	-	-	34.0

Standard : (1) Ministry of Labour's Regulation (2016) (B.E. 2559) ; Light Work Load
(2) Notification of the Minstry of Industry (2003)(B.E. 2546) ; Light Work Load

Remark : Indoor (inside building or workplace) : WBGT = 0.7 NWB + 0.3 GT
When :
DB = Dry Bulb Thermometer
GT = Globe Thermometer
NWB = Natural Wet Bulb Thermometer
WBGT = Wet Bulb Globe Temperature

$$\text{WBGT Average} = \frac{(WBGT_1 \times t_1) + (WBGT_2 \times t_2) + \ldots\ldots\ldots + (WBGT_n \times t_n)}{t_1 + t_2 + \ldots\ldots + t_n}$$

Suphakchaya Y.
Suphakchaya Yoonim

บริษัท เทคนิคสิ่งแวดล้อมไทย จำกัด Thai Environmental Technic Limited

Somchai P.
Somchai Piyavorasakul
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ORIGINAL
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TEST REPORT

Customer Name : THAI ENGINEERING PRODUCTS CO., LTD.
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Contact : Tel : (02) 909 1724-33 #6315 Fax : (02) 909 1724-33 #6106
Job No. : S660327/Oct/Occ

Report No. : 3247/2023/2-12
Report Date : October 24, 2023
Sampling Date : October 9, 2023
Type of Sample : Heat

Item	Description	Sampling Date	Sampling Time	Result (^{0}C)				
				NWB	DB	GT	WBGT	WBGT Average
1.	อาคาร Melting Melt (J) - ยืนเขี่ย Dross ในเตาหลอม (110 นาที)	09/10/23	09.30-11.30	27.2	37.2	37.9	30.4	30.2
	- นั่งพัก (10 นาที)			26.2	33.0	33.5	28.4	
2.	Melt (I) - ยืนเขี่ย Dross ในเตาหลอม (110 นาที)	09/10/23	09.30-11.30	27.4	37.5	38.2	30.6	30.5
	- นั่งพัก (10 นาที)			26.2	33.0	33.5	28.4	
Standard[(1)(2)]				-	-	-	-	32.0

Standard : (1) Ministry of Labour's Regulation (2016) (B.E. 2559) ; Moderate Work Load
(2) Notification of the Minstry of Industry (2003)(B.E. 2546) ; Moderate Work Load

Remark : Indoor (inside building or workplace) : WBGT = 0.7 NWB + 0.3 GT
When : DB = Dry Bulb Thermometer
GT = Globe Thermometer
NWB = Natural Wet Bulb Thermometer
WBGT = Wet Bulb Globe Temperature

$$\text{WBGT Average} = \frac{(WBGT_1 \times t_1) + (WBGT_2 \times t_2) + \ldots\ldots + (WBGT_n \times t_n)}{t_1 + t_2 + \ldots\ldots + t_n}$$

Suphakchaya Y.
Suphakchaya Yoonim

Somchai P.
Somchai Piyavorasakul
General Manager

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ORIGINAL
ต้นฉบับ

TEST REPORT

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Address : 101/90 Moo. 20 Navanakorn Industrial Estate, Phaholyothin Road, Khlong Nueng, Khlong Luang, Pathumthani 12120
Contact : Tel : (02) 909 1724-33 #6315 Fax : (02) 909 1724-33 #6106
Job No. : S660327/Oct/Occ

Report No. : 3247/2023/3-12
Report Date : October 24, 2023
Sampling Date : October 6, 2023
Type of Sample : Heat

Item	Description	Sampling Date	Sampling Time	Result (°C)				
				NWB	DB	GT	WBGT	WBGT Average
	อาคาร DC1							
1.	DC1 800 #12							
	- ยืนขัดเจียรชิ้นงานที่ออกจากเครื่องปั๊ม (110 นาที)	06/10/23	13.00-15.00	26.7	34.1	34.4	29.0	29.0
	- นั่งพัก (10 นาที)			26.5	33.5	33.7	28.7	
2.	DC1 800 #6							
	- ยืนขัดเจียรชิ้นงานที่ออกจากเครื่องปั๊ม (110 นาที)	06/10/23	13.00-15.00	26.7	34.0	34.3	29.0	29.0
	- นั่งพัก (10 นาที)			26.5	33.5	33.7	28.7	
3.	DC1/800 No.2							
	- ยืนขัดเจียรชิ้นงานที่ออกจากเครื่องปั๊ม (110 นาที)	06/10/23	13.00-15.00	26.7	34.2	34.5	29.0	29.0
	- นั่งพัก (10 นาที)			26.5	33.5	33.7	28.7	
Standard[(1)(2)]				-	-	-	-	32.0

Standard : (1) Ministry of Labour's Regulation (2016) (B.E. 2559) ; Moderate Work Load
(2) Notification of the Minstry of Industry (2003)(B.E. 2546) ; Moderate Work Load

Remark : Indoor (inside building or workplace) : WBGT = 0.7 NWB + 0.3 GT
When :
DB = Dry Bulb Thermometer
GT = Globe Thermometer
NWB = Natural Wet Bulb Thermometer
WBGT = Wet Bulb Globe Temperature

$$\text{WBGT Average} = \frac{(WBGT_1 \times t_1) + (WBGT_2 \times t_2) + \ldots\ldots + (WBGT_n \times t_n)}{t_1 + t_2 + \ldots\ldots + t_n}$$

Suphakchaya Y.
Suphakchaya Yoonim

Somchai P.
Somchai Piyavorasakul
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Contact : Tel : (02) 909 1724-33 #6315 Fax : (02) 909 1724-33 #6106
Job No. : S660327/Oct/Occ

Report No. : 3247/2023/4-12
Report Date : October 24, 2023
Sampling Date : October 5, 2023
Type of Sample : Heat

Item	Description	Sampling Date	Sampling Time	Result (^{0}C)				
				NWB	DB	GT	WBGT	WBGT Average
	อาคาร DC2							
1.	DC2 350 #12							
	- ยืนขัดเจียรชิ้นงานที่ออกจากเครื่องปั๊ม (110 นาที)	05/10/23	09.30-11.30	26.4	33.0	33.2	28.4	28.4
	- นั่งพัก (10 นาที)			26.2	32.7	32.9	28.2	
2.	DC2 650 #5							
	- ยืนขัดเจียรชิ้นงานที่ออกจากเครื่องปั๊ม (110 นาที)	05/10/23	09.30-11.30	26.5	33.2	33.4	28.6	28.5
	- นั่งพัก (10 นาที)			26.2	32.7	32.9	28.2	
3.	DC2 T.5							
	- ยืนขัดเจียรชิ้นงานที่ออกจากเครื่องปั๊ม (110 นาที)	05/10/23	09.30-11.30	26.4	33.1	33.3	28.5	28.4
	- นั่งพัก (10 นาที)			26.2	32.7	32.9	28.2	
Standard[(1)(2)]				-	-	-	-	32.0

Standard : (1) Ministry of Labour's Regulation (2016) (B.E. 2559) ; Moderate Work Load
(2) Notification of the Minstry of Industry (2003)(B.E. 2546) ; Moderate Work Load

Remark : Indoor (inside building or workplace) : WBGT = 0.7 NWB + 0.3 GT
When :
DB = Dry Bulb Thermometer
GT = Globe Thermometer
NWB = Natural Wet Bulb Thermometer
WBGT = Wet Bulb Globe Temperature

$$\text{WBGT Average} = \frac{(WBGT_1 \times t_1) + (WBGT_2 \times t_2) + \ldots\ldots + (WBGT_n \times t_n)}{t_1 + t_2 + \ldots\ldots + t_n}$$

Suphakchaya Y.
Suphakchaya Yoonim

Somchai P.
Somchai Piyavorasakul
General Manager

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TEST REPORT

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Contact : Tel : (02) 909 1724-33 #6315 Fax : (02) 909 1724-33 #6106
Job No. : S660327/Oct/Occ

Report No. : 3247/2023/5-12
Report Date : October 24, 2023
Sampling Date : October 11, 2023
Type of Sample : Heat

Item	Description	Sampling Date	Sampling Time	Result (°C)				
				NWB	DB	GT	WBGT	WBGT Average
1.	อาคาร DC3 DC3 HVSC #3 - ยืนขัดเจียรชิ้นงานที่ออกจากเครื่องปั๊ม (110 นาที)	11/10/23	09.30-11.30	26.7	34.9	35.3	29.3	29.2
	- นั่งพัก (10 นาที)			26.3	33.4	33.7	28.5	
2.	DC3/850 No.15 - ยืนขัดเจียรชิ้นงานที่ออกจากเครื่องปั๊ม (110 นาที)	11/10/23	09.30-11.30	26.7	34.8	35.2	29.3	29.2
	- นั่งพัก (10 นาที)			26.3	33.4	33.7	28.5	
3.	DC3 1250 #9 - ยืนขัดเจียรชิ้นงานที่ออกจากเครื่องปั๊ม (110 นาที)	11/10/23	09.30-11.30	26.7	35.0	35.4	29.3	29.2
	- นั่งพัก (10 นาที)			26.3	33.4	33.7	28.5	
Standard[1][2]				-	-	-	-	32.0

Standard : [1] Ministry of Labour's Regulation (2016) (B.E. 2559) ; Moderate Work Load
[2] Notification of the Minstry of Industry (2003)(B.E. 2546) ; Moderate Work Load

Remark : Indoor (inside building or workplace) : WBGT = 0.7 NWB + 0.3 GT
When : DB = Dry Bulb Thermometer
GT = Globe Thermometer
NWB = Natural Wet Bulb Thermometer
WBGT = Wet Bulb Globe Temperature

$$\text{WBGT Average} = \frac{(WBGT_1 \times t_1) + (WBGT_2 \times t_2) + \ldots\ldots\ldots + (WBGT_n \times t_n)}{t_1 + t_2 + \ldots + t_n}$$

Suphakchaya Yoonim

Somchai Piyavorasakul
General Manager

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ORIGINAL
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TEST REPORT

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Contact : Tel : (02) 909 1724-33 #6315 Fax : (02) 909 1724-33 #6106
Job No. : S660327/Oct/Occ

Report No. : 3247/2023/6-12
Report Date : October 24, 2023
Sampling Date : October 10, 2023
Type of Sample : Heat

Item	Description	Sampling Date	Sampling Time	Result (°C)				
				NWB	DB	GT	WBGT	WBGT Average
1.	อาคาร GC2 GC2 GC1-1 - ยืนขัดเจียร และตกแต่งชิ้นงาน (110 นาที)	10/10/23	13.00-15.00	26.7	35.0	35.7	29.4	29.3
	- นั่งพัก (10 นาที)			26.2	33.5	33.8	28.5	
2.	GC2 GC2-1 - ยืนขัดเจียร และตกแต่งชิ้นงาน (110 นาที)	10/10/23	13.00-15.00	26.7	35.0	35.7	29.4	29.3
	- นั่งพัก (10 นาที)			26.2	33.5	33.8	28.5	
3.	GC2 Shellcore RG003 - ยืนขัดเจียร และตกแต่งชิ้นงาน (110 นาที)	10/10/23	13.00-15.00	26.8	35.5	35.9	29.5	29.4
	- นั่งพัก (10 นาที)			26.2	33.5	33.8	28.5	
Standard[(1)(2)]				-	-	-	-	32.0

Standard : (1) Ministry of Labour's Regulation (2016) (B.E. 2559) ; Moderate Work Load
(2) Notification of the Minstry of Industry (2003)(B.E. 2546) ; Moderate Work Load

Remark : Indoor (inside building or workplace) : WBGT = 0.7 NWB + 0.3 GT
When :
DB = Dry Bulb Thermometer
GT = Globe Thermometer
NWB = Natural Wet Bulb Thermometer
WBGT = Wet Bulb Globe Temperature

$$\text{WBGT Average} = \frac{(WBGT_1 \times t_1) + (WBGT_2 \times t_2) + \ldots\ldots\ldots + (WBGT_n \times t_n)}{t_1 + t_2 + \ldots\ldots + t_n}$$

Suphakchaya Y.
Suphakchaya Yoonim

Somchai P.
Somchai Piyavorasakul
General Manager

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Contact : Tel : (02) 909 1724-33 #6315 Fax : (02) 909 1724-33 #6106
Job No. : S660327/Oct/Occ

Report No. : 3247/2023/7-12
Report Date : October 24, 2023
Sampling Date : October 10, 2023
Type of Sample : Heat

Item	Description	Sampling Date	Sampling Time	Result (°C)				
				NWB	DB	GT	WBGT	WBGT Average
1.	อาคาร GC2 GC2 Cutting/RM015 - ยืนขัดเจียร และตกแต่งชิ้นงาน (110 นาที)	10/10/23	13.00-15.00	26.8	35.7	36.0	29.6	29.5
	- นั่งพัก (10 นาที)			26.2	33.5	33.8	28.5	
2.	GC2 GC9-2 - ยืนขัดเจียร และตกแต่งชิ้นงาน (110 นาที)	10/10/23	13.00-15.00	26.7	35.2	35.7	29.4	29.3
	- นั่งพัก (10 นาที)			26.2	33.5	33.8	28.5	
3.	GC2 Trimming - ยืนขัดเจียร และตกแต่งชิ้นงาน (110 นาที)	10/10/23	13.00-15.00	26.8	35.6	35.9	29.5	29.4
	- นั่งพัก (10 นาที)			26.2	33.5	33.8	28.5	
Standard(1)(2)				-	-	-	-	32.0

Standard : (1) Ministry of Labour's Regulation (2016) (B.E. 2559) ; Moderate Work Load
(2) Notification of the Minstry of Industry (2003)(B.E. 2546) ; Moderate Work Load

Remark : Indoor (inside building or workplace) : WBGT = 0.7 NWB + 0.3 GT
When : DB = Dry Bulb Thermometer
GT = Globe Thermometer
NWB = Natural Wet Bulb Thermometer
WBGT = Wet Bulb Globe Temperature

$$\text{WBGT Average} = \frac{(WBGT_1 \times t_1) + (WBGT_2 \times t_2) + \ldots\ldots\ldots + (WBGT_n \times t_n)}{t_1 + t_2 + \ldots\ldots + t_n}$$

Suphakchaya Yoonim

Somchai Piyavorasakul
General Manager

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Contact : Tel : (02) 909 1724-33 #6315 Fax : (02) 909 1724-33 #6106
Job No. : S660327/Oct/Occ

Report No. : 3247/2023/8-12
Report Date : October 24, 2023
Sampling Date : October 11, 2023
Type of Sample : Heat

Item	Description	Sampling Date	Sampling Time	Result (°C)				
				NWB	DB	GT	WBGT	WBGT Average
	อาคาร MC1							
1.	MC1 I/M8							
	- ยืนนำชิ้นงานออกจากเครื่องล้างชิ้นงาน (110 นาที)	11/10/23	13.00-15.00	26.7	35.4	35.8	29.4	29.4
	- นั่งพัก (10 นาที)			26.3	33.5	33.8	28.6	
2.	MC1 HO/P/FR/1-2							
	- ยืนนำชิ้นงานออกจากเครื่องล้างชิ้นงาน (110 นาที)	11/10/23	13.00-15.00	26.7	35.4	35.8	29.4	29.4
	- นั่งพัก (10 นาที)			26.3	33.5	33.8	28.6	
Standard[(1)(2)]				-	-	-	-	32.0

Standard : (1) Ministry of Labour's Regulation (2016) (B.E. 2559) ; Moderate Work Load
(2) Notification of the Minstry of Industry (2003)(B.E. 2546) ; Moderate Work Load

Remark : Indoor (inside building or workplace) : WBGT = 0.7 NWB + 0.3 GT
When : DB = Dry Bulb Thermometer
GT = Globe Thermometer
NWB = Natural Wet Bulb Thermometer
WBGT = Wet Bulb Globe Temperature

$$\text{WBGT Average} = \frac{(WBGT_1 \times t_1) + (WBGT_2 \times t_2) + \ldots\ldots + (WBGT_n \times t_n)}{t_1 + t_2 + \ldots\ldots + t_n}$$

Suphakchaya Y.
Suphakchaya Yoonim

Somchai P.
Somchai Piyavorasakul
General Manager

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Thai Environmental Technic Limited
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1/6 ซอยรามคำแหง 145 แขวงสะพานสูง เขตสะพานสูง กรุงเทพมหานคร 10240 Tel : 0-2373-7799 (Auto) Fax : 0-2373-7979

ORIGINAL
ต้นฉบับ

TEST REPORT

Customer Name : THAI ENGINEERING PRODUCTS CO., LTD.
Address : 101/90 Moo. 20 Navanakorn Industrial Estate, Phaholyothin Road, Khlong Nueng, Khlong Luang, Pathumthani 12120
Contact : Tel : (02) 909 1724-33 #6315 Fax : (02) 909 1724-33 #6106
Job No. : S660327/Oct/Occ

Report No. : 3247/2023/9-12
Report Date : October 24, 2023
Sampling Date : October 11, 2023
Type of Sample : Heat

Item	Description	Sampling Date	Sampling Time	Result (°C)				
				NWB	DB	GT	WBGT	WBGT Average
1.	อาคาร MC1 MC1 HO/P/FR 1-5 - ยืนนำชิ้นงานออกจากเครื่องล้างชิ้นงาน (110 นาที)	11/10/23	13.00-15.00	26.7	35.3	35.7	29.4	29.3
	- นั่งพัก (10 นาที)			26.3	33.5	33.8	28.6	
2.	MC1/A2 - ยืนนำชิ้นงานออกจากเครื่องล้างชิ้นงาน (110 นาที)	11/10/23	13.00-15.00	26.7	35.2	35.5	29.3	29.3
	- นั่งพัก (10 นาที)			26.3	33.5	33.8	28.6	
Standard[(1)(2)]				-	-	-	-	32.0

Standard : (1) Ministry of Labour's Regulation (2016) (B.E. 2559) ; Moderate Work Load
(2) Notification of the Minstry of Industry (2003)(B.E. 2546) ; Moderate Work Load

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NWB = Natural Wet Bulb Thermometer
WBGT = Wet Bulb Globe Temperature

$$\text{WBGT Average} = \frac{(WBGT_1 \times t_1) + (WBGT_2 \times t_2) + \ldots\ldots\ldots + (WBGT_n \times t_n)}{t_1 + t_2 + \ldots\ldots\ldots + t_n}$$

Suphakchaya Y.
Suphakchaya Yoonim

Somchai P.
Somchai Piyavorasakul
General Manager

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TEST REPORT

Customer Name : THAI ENGINEERING PRODUCTS CO., LTD.
Address : 101/90 Moo. 20 Navanakorn Industrial Estate, Phaholyothin Road, Khlong Nueng, Khlong Luang, Pathumthani 12120
Contact : Tel : (02) 909 1724-33 #6315 Fax : (02) 909 1724-33 #6106
Job No. : S660327/Oct/Occ

Report No. : 3247/2023/10-12
Report Date : October 24, 2023
Sampling Date : October 6 & 9, 2023
Type of Sample : Heat

Item	Description	Sampling Date	Sampling Time	Result (°C)				
				NWB	DB	GT	WBGT	WBGT Average
1.	อาคาร AL5 AL5 Ganshin - ยืนควบคุมรอก (Hoist) ยกชิ้นงานลงผิวชุบ (110 นาที)	06/10/23	09.30-11.30	26.5	33.1	33.5	28.6	28.6
	- นั่งพัก (10 นาที)			26.4	32.7	33.0	28.4	
2.	อาคาร MC2 MC2/BR/F/P - ยืนนำชิ้นงานออกจากเครื่องล้างชิ้นงาน (110 นาที)	09/10/23	13.00-15.00	26.7	34.9	35.3	29.3	29.2
	- นั่งพัก (10 นาที)			26.2	33.8	34.2	28.6	
3.	MC2 I/M6 - ยืนนำชิ้นงานออกจากเครื่องล้างชิ้นงาน (110 นาที)	09/10/23	13.00-15.00	26.7	35.0	35.4	29.3	29.3
	- นั่งพัก (10 นาที)			26.2	33.8	34.2	28.6	
	Standard(1)(2)			-	-	-	-	32.0

Standard : (1) Ministry of Labour's Regulation (2016) (B.E. 2559) ; Moderate Work Load
(2) Notification of the Minstry of Industry (2003)(B.E. 2546) ; Moderate Work Load

Remark : Indoor (inside building or workplace) : WBGT = 0.7 NWB + 0.3 GT
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GT = Globe Thermometer
NWB = Natural Wet Bulb Thermometer
WBGT = Wet Bulb Globe Temperature

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Suphakchaya Y.
Suphakchaya Yoonim

Somchai P.
Somchai Piyavorasakul
General Manager

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TEST REPORT

Customer Name : THAI ENGINEERING PRODUCTS CO., LTD.
Address : 101/90 Moo. 20 Navanakorn Industrial Estate, Phaholyothin Road, Khlong Nueng, Khlong Luang, Pathumthani 12120
Contact : Tel : (02) 909 1724-33 #6315 Fax : (02) 909 1724-33 #6106
Job No. : S660327/Oct/Occ

Report No. : 3247/2023/11-12
Report Date : October 24, 2023
Sampling Date : October 9, 2023
Type of Sample : Heat

Item	Description	Sampling Date	Sampling Time	Result (°C)				
				NWB	DB	GT	WBGT	WBGT Average
1.	อาคาร MC2 MC2 HO/EX2 - ยืนนำชิ้นงานออกจากเครื่องล้างชิ้นงาน (110 นาที)	09/10/23	13.00-15.00	26.6	34.8	35.2	29.2	29.1
	- นั่งพัก (10 นาที)			26.2	33.8	34.2	28.6	
2.	MC2 A/TRM - ยืนนำชิ้นงานออกจากเครื่องล้างชิ้นงาน (110 นาที)	09/10/23	13.00-15.00	26.7	34.9	35.5	29.3	29.3
	- นั่งพัก (10 นาที)			26.2	33.8	34.2	28.6	
Standard[(1)(2)]				-	-	-	-	32.0

Standard : (1) Ministry of Labour's Regulation (2016) (B.E. 2559) ; Moderate Work Load
(2) Notification of the Minstry of Industry (2003)(B.E. 2546) ; Moderate Work Load

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Suphakchaya Y.
Suphakchaya Yoonim

Somchai P.
Somchai Piyavorasakul
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Contact : Tel : (02) 909 1724-33 #6315 Fax : (02) 909 1724-33 #6106
Job No. : S660327/Oct/Occ

Report No. : 3247/2023/12-12
Report Date : October 24, 2023
Sampling Date : October 9, 2023
Type of Sample : Heat

Item	Description	Sampling Date	Sampling Time	Result (°C)				
				NWB	DB	GT	WBGT	WBGT Average
1.	อาคาร MT อาคาร MT - ยืนนำชิ้นงานออกจากเครื่องล้างชิ้นงาน (100 นาที)	09/10/23	09.30-11.30	26.3	33.7	34.0	28.6	28.6
	- นั่งพัก (20 นาที)			26.2	33.6	33.8	28.5	
Standard(1)(2)				-	-	-	-	32.0

Standard : (1) Ministry of Labour's Regulation (2016) (B.E. 2559) ; Moderate Work Load
(2) Notification of the Minstry of Industry (2003)(B.E. 2546) ; Moderate Work Load

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