



## TEST REPORT

**Analysis No.** : R23-1457 **Report Date** : 16/06/23  
**Received Date** : 16-18/05/23 **Analysis Date** : 16-22/05/23  
**Customer** : Technical Division of Thai Environmental Technic Limited **Job No.** : S660326/May  
For Tostem Thai Co., Ltd./North Factory/EIA **Sampling By** : TET  
**Address** : 101/104 Moo 20, Soi Navanakorn 1, Phaholyothin Road, **Type of Sample** : Ambient Air  
Klongnueng, Klongluang, Pathumthani 12120  
**Contact** : Tel. (02) 529 0474 # 1965 Fax. (02) 529 4385

Sampling Point	Sample No.	Sampling Date	Result			
			TSP (mg/m <sup>3</sup> )	PM-10 (mg/m <sup>3</sup> )	SO <sub>2</sub> (mg/m <sup>3</sup> )	CO <sup>(8 hr.)</sup> (ppm)
วัดโพธิ์นิม (47P 0670771 UTM 1560875)	2305-AA0779	14-15/05/23	0.083	0.034	< 0.001	0.52
	2305-AA0809	15-16/05/23	0.068	0.026	< 0.001	0.59
	2305-AA0859	16-17/05/23	0.097	0.042	< 0.001	0.54
โรงเรียนวัดพิชัยมิตร (47P 0671160 UTM 1562550)	2305-AA0780	14-15/05/23	0.042	0.025	< 0.001	0.56
	2305-AA0810	15-16/05/23	0.072	0.033	< 0.001	0.58
	2305-AA0860	16-17/05/23	0.096	0.044	< 0.001	0.61
วัดโกเมศรัตนาราม (47P 0669803 UTM 1560298)	2305-AA0781	14-15/05/23	0.056	0.018	< 0.001	0.57
	2305-AA0811	15-16/05/23	0.068	0.020	< 0.001	0.62
	2305-AA0861	16-17/05/23	0.090	0.021	< 0.001	0.58
บริเวณพื้นที่โครงการ (โรงงานเหนือ) (47P 0671031 UTM 1561192)	2305-AA0782	14-15/05/23	0.084	0.029	< 0.001	0.72
	2305-AA0812	15-16/05/23	0.085	0.031	< 0.001	0.81
	2305-AA0862	16-17/05/23	0.122	0.037	< 0.001	0.83
Standard			0.33	0.12	0.30	9

**Remarks** : Concentration of each gas in Ambient is based on 1 atm and 25 °C  
**Analysis Date** : TSP, PM-10 (2305-AA0779, 2305-AA0780, 2305-AA0781, 2305-AA0782)/16-18/05/23, (2305-AA0809, 2305-AA0810, 2305-AA0811, 2305-AA0812)/17-19/05/23,  
(2305-AA0859, 2305-AA0860, 2305-AA0861, 2305-AA0862)/18-22/05/23  
SO<sub>2</sub> (2305-AA0779, 2305-AA0780, 2305-AA0781, 2305-AA0782, 2305-AA0809, 2305-AA0810, 2305-AA0811, 2305-AA0812)/17/05/23,  
(2305-AA0859, 2305-AA0860, 2305-AA0861, 2305-AA0862)/22/05/23  
CO (2305-AA0779, 2305-AA0780, 2305-AA0781, 2305-AA0782)/16/05/23, (2305-AA0809, 2305-AA0810, 2305-AA0811, 2305-AA0812)/17/05/23,  
(2305-AA0859, 2305-AA0860, 2305-AA0861, 2305-AA0862)/18/05/23  
**Method** : TSP = Gravimetric Method (US.EPA 40 CFR Part 50 Appendix B)  
PM-10 = Gravimetric Method (US.EPA 40 CFR Part 50 Appendix J)  
SO<sub>2</sub> = Pararosaniline Method (APHA704)  
CO = NDIR Method (US.EPA 40 CFR Part 50 Appendix C)  
**Standard** : Notification of the National Environment Board No. 10 (1995) (B.E. 2538) and No. 24 (2004) (B.E. 2547), 24-hr. average value

Reviewed by

Ms. Wareerut Prachumdaeng

Chief of Laboratory

16/06/23



Approved by

Mrs. Porntip Pethshee

Laboratory Manager

16/06/23

END OF REPORT

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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

## TEST REPORT

Customer Name : Tostem Thai Co., Ltd./North Factory/EIA  
Address : 101/104 Moo 20, Soi Navanakorn 1,  
Phaholyothin Rd., Klongnueng, Klongluang,  
Pathumthani 12120  
Contact : Tel. (02) 529 0474 # 1965 Fax. (02) 529 4385  
Job No. : S660326/May

Report No. : 1457/2023/1-12  
Report Date : May 30, 2023  
Sampling Date : May 14-17, 2023  
Type of Sample : Ambient Air

Item	Time	Result		
		วัดโพธิ์นิม		
		NO <sub>2</sub> (ppm)		
		14-15/05/23	15-16/05/23	16-17/05/23
1.	13:00-14:00	0.0027	0.0022	0.0030
2.	14:00-15:00	0.0039	0.0040	0.0029
3.	15:00-16:00	0.0026	0.0031	0.0032
4.	16:00-17:00	0.0025	0.0041	0.0049
5.	17:00-18:00	0.0044	0.0044	0.0041
6.	18:00-19:00	0.0042	0.0042	0.0055
7.	19:00-20:00	0.0041	0.0033	0.0045
8.	20:00-21:00	0.0031	0.0043	0.0035
9.	21:00-22:00	0.0019	0.0041	0.0034
10.	22:00-23:00	0.0017	0.0042	0.0031
11.	23:00-00:00	0.0018	0.0033	0.0031
12.	00:00-01:00	0.0018	0.0021	0.0030
13.	01:00-02:00	0.0021	0.0022	0.0029
14.	02:00-03:00	0.0019	0.0024	0.0033
15.	03:00-04:00	0.0020	0.0020	0.0029
16.	04:00-05:00	0.0020	0.0020	0.0018
17.	05:00-06:00	0.0020	0.0022	0.0030
18.	06:00-07:00	0.0025	0.0020	0.0029
19.	07:00-08:00	0.0030	0.0024	0.0020
20.	08:00-09:00	0.0024	0.0041	0.0031
21.	09:00-10:00	0.0027	0.0030	0.0031
22.	10:00-11:00	0.0025	0.0040	0.0032
23.	11:00-12:00	0.0057	0.0053	0.0030
24.	12:00-13:00	0.0046	0.0033	0.0031
Minimum		0.0017	0.0020	0.0018
Maximum		0.0057	0.0053	0.0055
Average		0.0028	0.0033	0.0033
Standard <sup>(1)</sup>		0.17		

Standard : <sup>(1)</sup> 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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Job No. : S660326/May

Report No. : 1457/2023/2-12  
Report Date : May 30, 2023  
Sampling Date : May 14-17, 2023  
Type of Sample : Ambient Air

Item	Time	Result		
		โรงเรียนวัดพิชนิมิตร		
		NO <sub>2</sub> (ppm)		
		14-15/05/23	15-16/05/23	16-17/05/23
1.	11:00-12:00	0.0026	0.0033	0.0032
2.	12:00-13:00	0.0037	0.0024	0.0035
3.	13:00-14:00	0.0017	0.0023	0.0037
4.	14:00-15:00	0.0038	0.0034	0.0024
5.	15:00-16:00	0.0027	0.0033	0.0033
6.	16:00-17:00	0.0039	0.0022	0.0026
7.	17:00-18:00	0.0029	0.0034	0.0023
8.	18:00-19:00	0.0008	0.0033	0.0035
9.	19:00-20:00	0.0009	0.0021	0.0023
10.	20:00-21:00	0.0020	0.0032	0.0033
11.	21:00-22:00	0.0020	0.0043	0.0045
12.	22:00-23:00	0.0017	0.0034	0.0036
13.	23:00-00:00	0.0009	0.0033	0.0027
14.	00:00-01:00	0.0008	0.0030	0.0036
15.	01:00-02:00	0.0018	0.0043	0.0047
16.	02:00-03:00	0.0028	0.0033	0.0031
17.	03:00-04:00	0.0016	0.0030	0.0038
18.	04:00-05:00	0.0017	0.0035	0.0036
19.	05:00-06:00	0.0046	0.0057	0.0070
20.	06:00-07:00	0.0040	0.0044	0.0050
21.	07:00-08:00	0.0048	0.0037	0.0033
22.	08:00-09:00	0.0042	0.0018	0.0045
23.	09:00-10:00	0.0051	0.0022	0.0059
24.	10:00-11:00	0.0036	0.0035	0.0036
Minimum		0.0008	0.0018	0.0023
Maximum		0.0051	0.0057	0.0070
Average		0.0027	0.0033	0.0037
Standard <sup>(1)</sup>		0.17		

Standard : <sup>(1)</sup> 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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Pathumthani 12120  
Contact : Tel. (02) 529 0474 # 1965 Fax. (02) 529 4385  
Job No. : S660326/May

Report No. : 1457/2023/3-12  
Report Date : May 30, 2023  
Sampling Date : May 14-17, 2023  
Type of Sample : Ambient Air

Item	Time	Result		
		วัดโสมศรีตรนาราม		
		NO <sub>2</sub> (ppm)		
		14-15/05/23	15-16/05/23	16-17/05/23
1.	12:00-13:00	0.0015	0.0027	0.0015
2.	13:00-14:00	0.0008	0.0025	0.0012
3.	14:00-15:00	0.0012	0.0039	0.0014
4.	15:00-16:00	0.0028	0.0016	0.0001
5.	16:00-17:00	0.0029	0.0020	0.0029
6.	17:00-18:00	0.0034	0.0020	0.0017
7.	18:00-19:00	0.0019	0.0008	0.0029
8.	19:00-20:00	0.0015	0.0017	0.0001
9.	20:00-21:00	0.0008	0.0029	0.0018
10.	21:00-22:00	0.0018	0.0011	0.0009
11.	22:00-23:00	0.0015	0.0019	0.0006
12.	23:00-00:00	0.0010	0.0011	0.0007
13.	00:00-01:00	0.0011	0.0029	0.0009
14.	01:00-02:00	0.0018	0.0011	0.0008
15.	02:00-03:00	0.0008	0.0020	0.0002
16.	03:00-04:00	0.0017	0.0018	0.0010
17.	04:00-05:00	0.0015	0.0018	0.0009
18.	05:00-06:00	0.0028	0.0010	0.0007
19.	06:00-07:00	0.0014	0.0002	0.0017
20.	07:00-08:00	0.0016	0.0027	0.0009
21.	08:00-09:00	0.0016	0.0027	0.0018
22.	09:00-10:00	0.0017	0.0019	0.0016
23.	10:00-11:00	0.0028	0.0024	0.0001
24.	11:00-12:00	0.0037	0.0019	0.0008
Minimum		0.0008	0.0002	0.0001
Maximum		0.0037	0.0039	0.0029
Average		0.0018	0.0019	0.0011
Standard <sup>(1)</sup>		0.17		

Standard : <sup>(1)</sup> 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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Pathumthani 12120  
Contact : Tel. (02) 529 0474 # 1965 Fax. (02) 529 4385  
Job No. : S660326/May

Report No. : 1457/2023/4-12  
Report Date : May 30, 2023  
Sampling Date : May 14-17, 2023  
Type of Sample : Ambient Air

Item	Time	Result		
		บริเวณพื้นที่โครงการ (โรงงานเหนือ)		
		NO <sub>2</sub> (ppm)		
		14-15/05/23	15-16/05/23	16-17/05/23
1.	10:00-11:00	0.0051	0.0034	0.0013
2.	11:00-12:00	0.0059	0.0021	0.0023
3.	12:00-13:00	0.0041	0.0016	0.0015
4.	13:00-14:00	0.0031	0.0032	0.0016
5.	14:00-15:00	0.0058	0.0018	0.0027
6.	15:00-16:00	0.0029	0.0025	0.0025
7.	16:00-17:00	0.0060	0.0013	0.0016
8.	17:00-18:00	0.0047	0.0035	0.0015
9.	18:00-19:00	0.0057	0.0034	0.0015
10.	19:00-20:00	0.0039	0.0012	0.0008
11.	20:00-21:00	0.0029	0.0024	0.0027
12.	21:00-22:00	0.0041	0.0027	0.0015
13.	22:00-23:00	0.0040	0.0024	0.0026
14.	23:00-00:00	0.0039	0.0035	0.0039
15.	00:00-01:00	0.0030	0.0055	0.0029
16.	01:00-02:00	0.0029	0.0027	0.0015
17.	02:00-03:00	0.0051	0.0027	0.0011
18.	03:00-04:00	0.0022	0.0034	0.0010
19.	04:00-05:00	0.0031	0.0047	0.0010
20.	05:00-06:00	0.0040	0.0025	0.0008
21.	06:00-07:00	0.0030	0.0036	0.0017
22.	07:00-08:00	0.0021	0.0036	0.0011
23.	08:00-09:00	0.0011	0.0024	0.0017
24.	09:00-10:00	0.0032	0.0012	0.0024
Minimun		0.0011	0.0012	0.0008
Maximum		0.0060	0.0055	0.0039
Average		0.0038	0.0028	0.0018
Standard <sup>(1)</sup>		0.17		

Standard : <sup>(1)</sup> 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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Pathumthani 12120  
Contact : Tel. (02) 529 0474 # 1965 Fax. (02) 529 4385  
Job No. : S660326/May

Report No. : 1457/2023/5-12  
Report Date : May 30, 2023  
Sampling Date : May 14-17, 2023  
Type of Sample : WS & WD

Item	Time	Result					
		วัดโพธิ์นิม					
		14-15/05/23		15-16/05/23		16-17/05/23	
		WS	WD	WS	WD	WS	WD
1.	13:00-14:00	0.0	NNW	0.0	NNE	0.0	NNE
2.	14:00-15:00	0.4	NNE	0.0	NNE	0.4	NNE
3.	15:00-16:00	0.4	N	0.0	NNE	1.3	NNE
4.	16:00-17:00	0.4	N	0.4	NNE	0.4	NNE
5.	17:00-18:00	0.4	N	0.0	NE	0.4	NNE
6.	18:00-19:00	0.4	WNW	0.4	SSE	0.4	NNE
7.	19:00-20:00	1.3	NNE	0.0	ESE	1.3	NNE
8.	20:00-21:00	0.4	NW	0.0	NNE	0.4	NNE
9.	21:00-22:00	1.3	NNE	0.4	NNE	0.4	NNE
10.	22:00-23:00	0.0	NNE	0.4	NNE	0.4	NNE
11.	23:00-00:00	0.0	NNE	0.4	NNE	0.4	NNE
12.	00:00-01:00	1.3	N	0.4	NNE	0.0	NNE
13.	01:00-02:00	1.3	NNE	0.4	NNE	1.3	NNE
14.	02:00-03:00	0.9	NNW	0.4	NNE	0.4	NNE
15.	03:00-04:00	1.8	WSW	0.4	NNE	0.4	NNE
16.	04:00-05:00	1.3	WSW	0.4	NNE	0.4	ESE
17.	05:00-06:00	1.8	ESE	0.4	NNE	0.0	NE
18.	06:00-07:00	0.0	NNE	0.4	NNE	0.0	NE
19.	07:00-08:00	0.0	N	0.4	NNE	0.0	NE
20.	08:00-09:00	0.4	NNE	0.4	N	0.0	NE
21.	09:00-10:00	0.4	NNE	0.0	N	0.4	NE
22.	10:00-11:00	0.4	NNE	0.0	NNE	0.4	NNE
23.	11:00-12:00	0.4	NE	0.0	NE	0.4	NNE
24.	12:00-13:00	0.4	NE	0.4	NNE	0.4	NE
Average		0.6	-	0.3	-	0.4	-

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

*Wannasiri S.*

Wannasiri Suriyawong



*Somchai P.*

Somchai Piyavorasakul  
General Manager

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Job No. : S660326/May

Report No. : 1457/2023/6-12  
Report Date : May 30, 2023  
Sampling Date : May 14-17, 2023  
Type of Sample : WS & WD

Item	Time	Result					
		โรงเรียนวัดพิชนิมิตร					
		14-15/05/23		15-16/05/23		16-17/05/23	
		WS	WD	WS	WD	WS	WD
1.	11:00-12:00	0.9	SE	0.0	SE	0.4	WSW
2.	12:00-13:00	0.9	E	0.0	SE	0.4	WSW
3.	13:00-14:00	0.9	WNW	1.3	SE	0.0	WSW
4.	14:00-15:00	0.9	ESE	0.9	SE	0.4	WSW
5.	15:00-16:00	0.4	SE	0.0	SE	0.0	SSE
6.	16:00-17:00	0.9	W	0.0	SE	0.4	SSE
7.	17:00-18:00	0.9	W	0.0	SE	0.9	SSE
8.	18:00-19:00	1.3	W	0.0	SE	0.4	SSE
9.	19:00-20:00	0.9	SE	1.3	SE	0.9	SSE
10.	20:00-21:00	0.9	W	0.4	SE	0.0	SSE
11.	21:00-22:00	0.9	W	0.0	SE	0.0	SSE
12.	22:00-23:00	0.4	W	0.0	SE	0.0	SSE
13.	23:00-00:00	0.4	W	0.0	SE	0.0	SSE
14.	00:00-01:00	0.4	SE	0.0	SE	0.0	SSE
15.	01:00-02:00	0.4	ENE	0.0	SE	0.0	SSE
16.	02:00-03:00	1.8	WNW	0.0	SE	0.0	SSE
17.	03:00-04:00	0.4	NW	0.0	SE	0.0	SE
18.	04:00-05:00	0.4	SE	0.0	SE	0.4	SE
19.	05:00-06:00	0.0	SE	0.0	WSW	0.0	SSE
20.	06:00-07:00	0.0	SE	0.4	WSW	0.4	SE
21.	07:00-08:00	1.3	SE	0.9	WSW	0.4	SE
22.	08:00-09:00	0.4	SE	0.4	SE	0.4	SE
23.	09:00-10:00	0.9	SE	0.9	SE	0.4	SE
24.	10:00-11:00	0.0	SE	0.4	SE	0.4	SE
Average		0.7	-	0.3	-	0.3	-

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

*Wannasiri S.*

Wannasiri Suriyawong



*Somchai P.*

Somchai Piyavorasakul  
General Manager

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Job No. : S660326/May

Report No. : 1457/2023/7-12  
Report Date : May 30, 2023  
Sampling Date : May 14-17, 2023  
Type of Sample : WS & WD

Item	Time	Result					
		วัดโกเมศรัตนาราม					
		14-15/05/23		15-16/05/23		16-17/05/23	
		WS	WD	WS	WD	WS	WD
1.	12:00-13:00	1.8	SW	1.8	S	0.9	S
2.	13:00-14:00	0.9	S	1.8	S	0.9	S
3.	14:00-15:00	0.9	S	1.8	S	0.4	S
4.	15:00-16:00	0.9	S	1.3	S	0.9	S
5.	16:00-17:00	0.9	S	1.3	S	0.9	SSW
6.	17:00-18:00	0.9	S	1.3	SSE	1.3	S
7.	18:00-19:00	1.3	S	1.3	SSE	0.9	S
8.	19:00-20:00	0.9	S	1.3	S	0.9	S
9.	20:00-21:00	1.3	S	1.3	SSW	0.4	S
10.	21:00-22:00	1.3	SSE	1.3	SSW	0.9	S
11.	22:00-23:00	1.3	S	1.3	SSW	0.4	SSW
12.	23:00-00:00	0.4	SSE	1.3	SSW	0.4	SSE
13.	00:00-01:00	0.9	S	1.3	SSW	0.0	SSE
14.	01:00-02:00	0.9	S	1.3	SSW	0.0	WNW
15.	02:00-03:00	0.9	SSW	0.0	SSW	0.0	WNW
16.	03:00-04:00	0.4	SSW	0.0	S	0.4	WNW
17.	04:00-05:00	0.0	SSW	0.9	SSW	2.2	S
18.	05:00-06:00	1.3	SSW	0.4	SSW	2.2	S
19.	06:00-07:00	1.3	S	0.4	SSW	2.2	SSW
20.	07:00-08:00	1.3	S	0.4	S	1.8	S
21.	08:00-09:00	1.3	S	0.4	SSE	1.3	S
22.	09:00-10:00	1.3	SSW	0.4	S	1.8	SSW
23.	10:00-11:00	1.8	S	0.4	ENE	1.8	S
24.	11:00-12:00	1.8	S	0.4	S	0.9	S
Average		1.1	-	1.0	-	1.0	-

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

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

## TEST REPORT

Customer Name : Tostem Thai Co., Ltd./North Factory/EIA  
Address : 101/104 Moo 20, Soi Navanakorn 1,  
Phaholyothin Rd., Klongnueng, Klongluang,  
Pathumthani 12120  
Contact : Tel. (02) 529 0474 # 1965 Fax. (02) 529 4385  
Job No. : S660326/May

Report No. : 1457/2023/8-12  
Report Date : May 30, 2023  
Sampling Date : May 14-17, 2023  
Type of Sample : WS & WD

Item	Time	Result					
		บริเวณพื้นที่โครงการ (โรงงานเหนือ)					
		14-15/05/23		15-16/05/23		16-17/05/23	
		WS	WD	WS	WD	WS	WD
1.	10:00-11:00	1.3	NNW	1.3	N	0.9	N
2.	11:00-12:00	0.9	NNW	1.3	N	0.9	N
3.	12:00-13:00	1.3	NNW	1.3	N	0.9	N
4.	13:00-14:00	1.3	NNW	1.3	N	0.9	N
5.	14:00-15:00	1.3	NNW	1.3	N	0.9	N
6.	15:00-16:00	1.3	NNW	0.9	N	1.3	N
7.	16:00-17:00	1.3	NNW	0.9	N	0.9	N
8.	17:00-18:00	1.3	NNW	0.9	N	0.4	N
9.	18:00-19:00	1.8	NNW	0.9	N	0.0	N
10.	19:00-20:00	2.7	N	1.3	N	0.9	N
11.	20:00-21:00	1.3	N	0.9	N	0.4	NNE
12.	21:00-22:00	0.0	N	0.4	N	0.4	NNE
13.	22:00-23:00	0.0	N	0.4	N	0.9	NNE
14.	23:00-00:00	0.0	N	0.4	N	0.9	NNE
15.	00:00-01:00	0.9	N	0.9	N	0.9	NNE
16.	01:00-02:00	0.9	N	0.0	N	0.9	NNE
17.	02:00-03:00	1.3	N	0.0	N	0.9	NNE
18.	03:00-04:00	1.3	N	0.0	N	0.4	NNE
19.	04:00-05:00	0.9	N	0.0	N	0.4	NNE
20.	05:00-06:00	0.9	N	0.4	N	0.4	NNE
21.	06:00-07:00	0.0	N	0.9	NNE	0.0	N
22.	07:00-08:00	0.4	N	0.4	N	0.4	N
23.	08:00-09:00	0.4	N	0.9	N	1.3	N
24.	09:00-10:00	0.9	N	0.9	N	0.9	N
Average		1.0	-	0.7	-	0.7	-

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

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

## TEST REPORT

Customer Name : Tostem Thai Co., Ltd./North Factory/EIA  
Address : 101/104 Moo 20, Soi Navanakorn 1,  
Phaholyothin Rd., Klongnueng, Klongluang,  
Pathumthani 12120  
Contact : Tel. (02) 529 0474 # 1965 Fax. (02) 529 4385  
Job No. : S660326/May

Report No. : 1457/2023/9-12  
Report Date : May 30, 2023  
Sampling Date : May 14-17, 2023  
Type of Sample : Sound Level

Item	Time	Result (dB(A))								
		ที่วัดได้								
		14-15/05/23			15-16/05/23			16-17/05/23		
		Leq	Lmax	L90	Leq	Lmax	L90	Leq	Lmax	L90
1.	10:00-11:00	54.1	82.8	46.0	55.2	80.9	46.0	49.5	74.3	42.3
2.	11:00-12:00	50.3	77.3	45.4	49.4	71.0	45.6	53.9	81.0	42.6
3.	12:00-13:00	50.3	74.3	44.9	57.7	79.7	46.5	58.1	82.6	45.8
4.	13:00-14:00	53.0	78.1	45.6	58.2	84.8	46.4	56.2	75.9	44.7
5.	14:00-15:00	62.7	88.7	45.9	57.2	81.3	46.4	55.4	79.3	45.1
6.	15:00-16:00	53.8	82.2	45.7	49.6	72.4	44.9	48.6	70.7	43.3
7.	16:00-17:00	53.0	76.5	47.3	57.7	89.0	47.0	54.5	81.6	44.1
8.	17:00-18:00	58.3	84.2	49.1	56.0	80.4	46.7	56.0	76.7	44.9
9.	18:00-19:00	57.5	87.0	49.1	66.3	95.9	48.1	51.8	75.4	45.0
10.	19:00-20:00	55.0	86.1	46.8	61.2	86.3	53.7	51.5	71.3	45.0
11.	20:00-21:00	56.9	90.1	47.1	62.8	86.6	53.3	54.3	75.9	45.6
12.	21:00-22:00	52.2	78.9	46.8	61.8	86.4	52.8	54.8	75.2	44.6
13.	22:00-23:00	51.5	66.2	48.4	55.9	79.6	52.6	51.2	83.7	44.3
14.	23:00-00:00	54.2	83.8	48.7	59.7	81.3	52.4	60.9	91.1	44.5
15.	00:00-01:00	54.8	75.8	47.5	60.9	84.3	54.4	57.7	90.0	45.1
16.	01:00-02:00	56.0	77.9	49.4	57.9	77.4	53.6	55.9	77.7	44.6
17.	02:00-03:00	57.1	82.9	50.3	49.5	77.4	46.8	49.4	72.3	44.1
18.	03:00-04:00	55.0	77.2	48.8	51.7	77.5	44.7	52.9	76.5	44.3
19.	04:00-05:00	59.6	82.7	47.9	56.2	79.4	46.1	58.4	81.9	45.3
20.	05:00-06:00	56.1	82.8	48.0	51.4	76.4	46.1	54.3	79.1	46.1
21.	06:00-07:00	51.4	72.7	47.8	48.8	70.8	44.7	48.8	66.4	44.9
22.	07:00-08:00	56.2	78.7	47.6	56.0	82.6	45.1	58.2	86.1	44.7
23.	08:00-09:00	60.0	86.4	49.0	56.6	80.0	45.7	59.1	79.0	46.2
24.	09:00-10:00	59.5	84.2	47.6	56.7	80.6	45.1	58.5	84.2	47.6
Leq 24 hr		56.6	-	-	58.7	-	-	55.8	-	-
Lmax		-	90.1	-	-	95.9	-	-	91.1	-
Standard <sup>(1)(2)</sup>		70	115	-	70	115	-	70	115	-
Ldn		62.4	-	-	63.5	-	-	62.4	-	-

Standard : <sup>(1)</sup> Notification of the National Environment Board No. 15 (1997) (B.E 2540)

<sup>(2)</sup> Notification of the Ministry of Industry (2005) (B.E 2548)

Wannasiri S.

Wannasiri Suriyawong



Somchai P.

Somchai Piyavorasakul  
General Manager

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## TEST REPORT

Customer Name : Tostem Thai Co., Ltd./North Factory/EIA  
Address : 101/104 Moo 20, Soi Navanakorn 1,  
Phaholyothin Rd., Klongnueng, Klongluang,  
Pathumthani 12120  
Contact : Tel. (02) 529 0474 # 1965 Fax. (02) 529 4385  
Job No. : S660326/May

Report No. : 1457/2023/10-12  
Report Date : May 30, 2023  
Sampling Date : May 14-17, 2023  
Type of Sample : Sound Level

Item	Time	Result (dB(A))								
		ทิศตะวันตก								
		14-15/05/23			15-16/05/23			16-17/05/23		
		Leq	Lmax	L90	Leq	Lmax	L90	Leq	Lmax	L90
1.	10:00-11:00	57.2	72.5	55.2	55.3	57.1	54.4	59.7	67.9	57.6
2.	11:00-12:00	56.2	64.5	55.0	55.5	59.6	54.7	59.7	68.8	57.6
3.	12:00-13:00	61.3	76.7	57.1	55.5	61.4	54.6	60.9	79.0	57.6
4.	13:00-14:00	66.9	75.1	62.8	55.7	65.3	54.5	59.9	67.2	57.8
5.	14:00-15:00	67.2	84.7	64.4	57.3	66.1	55.1	59.4	66.4	57.5
6.	15:00-16:00	60.9	77.4	58.3	57.1	67.1	55.6	59.7	67.5	57.6
7.	16:00-17:00	59.5	69.4	57.9	58.2	66.2	55.9	60.5	68.0	57.8
8.	17:00-18:00	59.7	72.0	58.0	59.0	69.3	57.1	59.6	66.6	57.8
9.	18:00-19:00	60.1	75.1	57.9	59.2	66.2	57.2	60.0	75.3	57.7
10.	19:00-20:00	59.7	67.4	57.9	59.7	69.0	57.1	59.9	66.7	57.9
11.	20:00-21:00	61.8	72.0	57.4	59.1	66.3	57.0	59.5	66.8	57.7
12.	21:00-22:00	61.6	76.3	57.7	58.9	65.9	56.9	59.4	65.2	57.6
13.	22:00-23:00	60.6	67.5	57.9	59.5	66.3	57.6	59.3	70.0	56.9
14.	23:00-00:00	61.0	70.0	57.8	59.5	66.2	57.5	57.9	66.4	55.9
15.	00:00-01:00	59.9	68.8	57.3	60.4	78.8	57.8	57.5	68.6	56.0
16.	01:00-02:00	58.4	67.5	56.5	60.6	68.8	58.0	57.1	68.3	55.9
17.	02:00-03:00	56.6	62.5	55.5	59.6	66.0	57.6	56.7	64.1	56.0
18.	03:00-04:00	56.3	62.3	55.4	60.7	68.5	58.2	58.6	66.1	56.3
19.	04:00-05:00	56.2	60.5	55.4	60.8	73.9	58.0	59.6	68.3	56.7
20.	05:00-06:00	56.4	58.6	55.6	60.2	67.4	57.8	58.9	67.5	56.5
21.	06:00-07:00	56.6	61.4	55.8	59.5	67.1	57.6	56.9	60.1	56.1
22.	07:00-08:00	56.1	59.9	55.2	59.4	69.0	57.2	57.2	64.6	56.2
23.	08:00-09:00	55.6	59.8	54.9	59.6	68.2	57.7	57.1	61.6	56.3
24.	09:00-10:00	55.5	63.3	54.7	59.7	71.7	57.8	57.1	60.4	56.5
Leq 24 hr		60.6	-	-	59.0	-	-	59.0	-	-
Lmax		-	84.7	-	-	78.8	-	-	79.0	-
Standard <sup>(1)(2)</sup>		70	115	-	70	115	-	70	115	-
Ldn		65.5	-	-	66.3	-	-	64.8	-	-

Standard : <sup>(1)</sup> Notification of the National Environment Board No. 15 (1997) (B.E 2540)

<sup>(2)</sup> Notification of the Ministry of Industry (2005) (B.E 2548)

Wannasiri S.

Wannasiri Suriyawong



Somchai P.

Somchai Piyavorasakul  
General Manager

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## TEST REPORT

Customer Name : Tostem Thai Co., Ltd./North Factory/EIA  
Address : 101/104 Moo 20, Soi Navanakorn 1,  
Phaholyothin Rd., Klongnueng, Klongluang,  
Pathumthani 12120  
Contact : Tel. (02) 529 0474 # 1965 Fax. (02) 529 4385  
Job No. : S660326/May

Report No. : 1457/2023/11-12  
Report Date : May 30, 2023  
Sampling Date : May 14-17, 2023  
Type of Sample : Sound Level

Item	Time	Result (dB(A))								
		ทิศเหนือ								
		14-15/05/23			15-16/05/23			16-17/05/23		
		Leq	Lmax	L <sub>90</sub>	Leq	Lmax	L <sub>90</sub>	Leq	Lmax	L <sub>90</sub>
1.	10:00-11:00	56.9	62.5	56.0	57.8	66.3	56.6	58.6	67.3	57.5
2.	11:00-12:00	56.9	61.8	56.2	57.6	66.7	56.5	58.3	66.7	57.4
3.	12:00-13:00	59.4	67.3	56.8	57.1	68.7	56.3	58.6	67.9	57.5
4.	13:00-14:00	60.4	73.6	56.9	57.1	61.8	56.3	60.8	69.0	58.1
5.	14:00-15:00	59.0	67.7	57.0	58.5	71.4	57.0	61.5	68.2	59.7
6.	15:00-16:00	57.4	66.9	56.2	58.0	68.5	56.8	61.7	71.0	60.0
7.	16:00-17:00	57.0	66.7	56.1	57.8	66.6	56.8	61.3	69.8	59.8
8.	17:00-18:00	57.9	66.6	56.7	57.9	68.3	56.8	61.0	66.9	59.6
9.	18:00-19:00	57.5	66.9	56.5	59.4	67.1	57.1	61.0	66.8	59.6
10.	19:00-20:00	58.0	65.5	57.0	60.2	68.1	57.3	60.9	69.1	59.4
11.	20:00-21:00	59.0	67.8	56.8	58.5	67.8	57.1	61.0	66.8	59.4
12.	21:00-22:00	57.5	66.3	56.5	58.1	66.4	56.9	60.7	67.5	59.2
13.	22:00-23:00	58.0	66.6	56.2	58.0	66.7	56.9	60.8	68.3	59.1
14.	23:00-00:00	57.0	62.0	56.3	58.0	66.6	56.3	61.6	70.3	59.3
15.	00:00-01:00	57.1	63.9	56.3	58.4	66.8	57.0	61.5	69.3	59.3
16.	01:00-02:00	57.1	60.8	56.3	57.8	67.0	56.6	61.4	67.5	59.4
17.	02:00-03:00	57.9	66.9	56.8	57.9	67.3	56.6	60.9	68.7	59.1
18.	03:00-04:00	58.4	66.6	56.9	58.7	68.0	56.8	60.3	66.2	58.6
19.	04:00-05:00	59.9	67.2	57.0	59.2	67.6	56.8	60.2	66.4	58.7
20.	05:00-06:00	60.3	67.0	57.3	60.2	68.5	57.6	60.5	69.7	58.9
21.	06:00-07:00	59.9	67.8	57.0	58.4	67.9	57.1	60.5	67.0	58.7
22.	07:00-08:00	59.0	67.1	56.8	58.5	67.0	57.5	60.2	66.1	58.7
23.	08:00-09:00	58.9	66.8	56.8	58.5	66.3	57.5	60.1	69.7	57.8
24.	09:00-10:00	58.0	67.0	56.7	58.1	66.8	57.1	58.4	61.8	57.5
Leq 24 hr		58.4	-	-	58.4	-	-	60.6	-	-
Lmax		-	73.6	-	-	71.4	-	-	71.0	-
Standard <sup>(1)(2)</sup>		70	115	-	70	115	-	70	115	-
Ldn		65.0	-	-	64.9	-	-	67.2	-	-

Standard : <sup>(1)</sup> Notification of the National Environment Board No. 15 (1997) (B.E 2540)

<sup>(2)</sup> Notification of the Ministry of Industry (2005) (B.E 2548)

*Wannasiri S.*

Wannasiri Suriyawong



*Somchai P.*

Somchai Piyavorasakul  
General Manager

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## TEST REPORT

Customer Name : Tostem Thai Co., Ltd./North Factory/EIA

Report No. : 1457/2023/12-12

Address : 101/104 Moo 20, Soi Navanakorn 1,  
Phaholyothin Rd., Klongnueng, Klongluang,  
Pathumthani 12120

Report Date : May 30, 2023

Sampling Date : May 14-17, 2023

Type of Sample : Sound Level

Contact : Tel. (02) 529 0474 # 1965 Fax. (02) 529 4385

Job No. : S660326/May

Item	Time	Result (dB(A))								
		ที่วัดในวันออก								
		14-15/05/23			15-16/05/23			16-17/05/23		
		Leq	Lmax	L90	Leq	Lmax	L90	Leq	Lmax	L90
1.	10:00-11:00	53.3	82.4	45.9	51.5	74.2	47.1	52.3	81.3	46.7
2.	11:00-12:00	50.4	68.2	44.6	53.3	83.0	47.2	52.6	71.3	48.1
3.	12:00-13:00	50.0	67.3	45.1	61.7	81.3	50.1	58.8	71.0	49.7
4.	13:00-14:00	49.9	66.8	45.1	59.1	76.9	48.1	54.8	73.6	49.6
5.	14:00-15:00	49.7	69.2	45.1	53.6	78.6	49.0	53.5	63.7	49.6
6.	15:00-16:00	51.6	75.7	45.6	54.4	68.2	49.0	53.2	74.5	48.9
7.	16:00-17:00	51.9	70.0	47.0	57.1	80.6	50.8	54.9	78.8	50.1
8.	17:00-18:00	56.4	88.6	49.2	64.6	90.1	51.0	53.6	67.5	49.6
9.	18:00-19:00	53.2	79.3	49.7	64.9	92.7	54.8	54.7	72.8	50.2
10.	19:00-20:00	54.1	69.6	49.4	67.5	93.1	49.9	54.2	72.3	49.0
11.	20:00-21:00	56.9	68.2	48.4	53.7	80.3	49.8	50.4	67.9	47.7
12.	21:00-22:00	51.7	68.7	49.4	53.3	67.4	51.1	51.7	66.4	48.9
13.	22:00-23:00	54.6	64.6	50.0	54.4	80.9	48.9	51.0	69.7	47.9
14.	23:00-00:00	57.9	73.4	52.8	52.7	75.9	48.7	53.6	74.5	47.7
15.	00:00-01:00	57.2	70.8	55.3	53.9	83.4	50.0	51.2	62.4	49.6
16.	01:00-02:00	56.2	68.5	53.2	54.8	65.0	50.4	50.2	65.4	48.0
17.	02:00-03:00	58.1	73.3	54.5	59.9	73.3	54.6	51.3	67.1	48.9
18.	03:00-04:00	58.9	70.3	57.0	55.8	70.5	52.8	52.3	68.3	48.3
19.	04:00-05:00	57.5	76.3	54.5	55.1	71.3	52.5	53.7	78.0	50.9
20.	05:00-06:00	57.9	83.3	53.3	57.4	75.2	53.4	57.4	82.4	53.0
21.	06:00-07:00	55.8	72.3	51.1	65.7	87.0	52.9	56.5	82.5	51.5
22.	07:00-08:00	52.9	68.8	49.5	64.3	85.7	50.2	54.5	75.8	50.5
23.	08:00-09:00	55.0	77.3	49.0	60.7	76.4	48.6	57.2	85.0	52.7
24.	09:00-10:00	53.0	80.7	47.9	52.7	85.4	47.2	54.4	67.6	50.9
Leq 24 hr		55.2	-	-	60.5	-	-	54.3	-	-
Lmax		-	88.6	-	-	93.1	-	-	85.0	-
Standard <sup>(1)(2)</sup>		70	115	-	70	115	-	70	115	-
Ldn		63.3	-	-	65.7	-	-	60.3	-	-

Standard : <sup>(1)</sup> Notification of the National Environment Board No. 15 (1997) (B.E 2540)

<sup>(2)</sup> Notification of the Ministry of Industry (2005) (B.E 2548)

Wannasiri S.

Wannasiri Suriyawong



Somchai P.

Somchai Piyavorasakul  
General Manager

- REPORTED RESULTS REFER TO SUBMITTED SAMPLE(S) ONLY
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## TEST REPORT

Customer Name : Tostem Thai Co., Ltd./North Factory/EIA  
Address : 101/104 Moo 20, Soi Navanakorn 1,  
Phaholyothin Rd., Klongnueng, Klongluang,  
Pathumthani 12120  
Contact : Tel. (02) 529 0474 # 1965 Fax. (02) 529 4385  
Job No. : S660326/June

Report No. : 1830/2023/1-2  
Report Date : June 29, 2023  
Sampling Date : June 12-15, 2023  
Type of Sample : Sound Level

Item	Time	Result (dB(A))					
		Extruder					
		12-13/06/23		13-14/06/23		14-15/06/23	
		Leq 1 hr	Lmax	Leq 1 hr	Lmax	Leq 1 hr	Lmax
1.	09:00-10:00	82.4	105.5	82.4	107.3	82.4	104.4
2.	10:00-11:00	80.7	98.2	79.9	98.7	82.4	105.3
3.	11:00-12:00	80.5	98.8	79.9	98.3	83.8	102.9
4.	12:00-13:00	81.6	99.2	82.2	102.0	82.7	100.0
5.	13:00-14:00	82.3	99.1	83.0	108.5	82.7	102.9
6.	14:00-15:00	83.2	109.1	82.8	100.7	81.9	102.3
7.	15:00-16:00	82.6	100.5	82.4	99.8	81.5	96.7
8.	16:00-17:00	82.3	104.4	82.6	110.3	82.1	99.1
9.	17:00-18:00	82.6	108.9	82.5	104.4	82.0	96.8
10.	18:00-19:00	81.5	97.1	82.0	100.2	82.4	102.5
11.	19:00-20:00	81.8	103.4	81.8	99.7	82.2	96.5
12.	20:00-21:00	82.8	106.4	82.3	106.8	82.1	95.2
13.	21:00-22:00	82.9	105.7	82.4	112.3	82.1	96.2
14.	22:00-23:00	83.0	98.6	82.6	99.7	83.0	105.0
15.	23:00-00:00	82.4	99.5	82.4	102.6	83.0	100.4
16.	00:00-01:00	83.0	109.2	82.8	109.4	82.2	96.9
17.	01:00-02:00	82.5	99.6	82.6	102.1	82.1	99.2
18.	02:00-03:00	81.3	98.5	79.8	95.8	82.4	97.1
19.	03:00-04:00	81.9	99.8	80.2	99.1	82.8	97.9
20.	04:00-05:00	82.1	100.6	82.8	100.3	82.6	102.7
21.	05:00-06:00	83.0	101.7	83.4	104.2	82.0	101.1
22.	06:00-07:00	83.2	100.1	83.4	105.1	81.9	94.6
23.	07:00-08:00	82.5	101.2	82.9	99.4	82.5	101.0
24.	08:00-09:00	82.2	96.2	82.4	100.6	82.8	100.7
Leq 8 hr (09.00-17.00)		82.0	109.1	82.0	108.5	82.5	105.3
Leq 8 hr (17.00-01.00)		82.5	108.9	82.4	112.3	82.4	105.0
Leq 8 hr (01.00-09.00)		82.4	101.7	82.4	105.1	82.4	102.7
Standard		90	140	90	140	90	140

Standard : Notification of the Ministry of Industry (2003) (B.E. 2546)

*Suphakchaya Y.*

Suphakchaya Yoonim



*Somchai P.*

Somchai Piyavorasakul

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## TEST REPORT

Customer Name : Tostem Thai Co., Ltd./North Factory/EIA  
Address : 101/104 Moo 20, Soi Navanakorn 1,  
Phaholyothin Rd., Klongnueng, Klongluang,  
Pathumthani 12120  
Contact : Tel. (02) 529 0474 # 1965 Fax. (02) 529 4385  
Job No. : S660326/June

Report No. : 1830/2023/2-2  
Report Date : June 29, 2023  
Sampling Date : June 12-15, 2023  
Type of Sample : Sound Level

Item	Time	Result (dB(A))					
		Casting					
		12-13/06/23		13-14/06/23		14-15/06/23	
		Leq 1 hr	Lmax	Leq 1 hr	Lmax	Leq 1 hr	Lmax
1.	09:00-10:00	84.0	102.4	84.8	113.8	81.8	97.5
2.	10:00-11:00	84.0	104.9	80.8	97.8	84.5	100.1
3.	11:00-12:00	83.1	102.3	79.4	96.9	86.6	105.1
4.	12:00-13:00	81.5	99.4	82.6	98.9	82.1	98.2
5.	13:00-14:00	83.5	101.1	85.0	106.5	78.7	96.6
6.	14:00-15:00	84.2	105.2	81.7	99.3	78.1	95.7
7.	15:00-16:00	83.5	103.8	81.0	102.2	79.1	93.5
8.	16:00-17:00	82.1	101.1	85.0	107.1	81.1	100.2
9.	17:00-18:00	84.0	104.1	83.3	107.3	79.8	99.2
10.	18:00-19:00	82.7	102.5	79.5	97.9	79.0	92.4
11.	19:00-20:00	80.6	101.4	81.0	102.0	79.3	92.7
12.	20:00-21:00	83.8	100.9	83.9	100.7	84.0	92.8
13.	21:00-22:00	84.2	103.3	84.9	105.2	81.8	99.7
14.	22:00-23:00	83.2	97.7	79.9	97.8	84.7	106.7
15.	23:00-00:00	80.8	102.5	81.3	101.5	81.7	101.1
16.	00:00-01:00	80.7	101.3	81.6	97.4	86.2	99.5
17.	01:00-02:00	85.2	106.9	84.6	105.8	84.2	102.2
18.	02:00-03:00	80.2	97.6	81.5	97.0	79.7	98.2
19.	03:00-04:00	79.0	98.9	79.6	94.5	80.8	101.3
20.	04:00-05:00	83.7	103.0	83.8	102.3	79.5	97.6
21.	05:00-06:00	84.9	104.4	84.4	107.9	80.4	99.2
22.	06:00-07:00	81.1	99.6	82.1	102.9	80.6	95.8
23.	07:00-08:00	83.1	102.1	81.3	102.6	84.6	102.1
24.	08:00-09:00	81.2	99.2	80.6	98.5	84.4	99.5
Leq 8 hr (09.00-17.00)		83.3	105.2	83.0	113.8	82.4	105.1
Leq 8 hr (17.00-01.00)		82.7	104.1	82.3	107.3	82.8	106.7
Leq 8 hr (01.00-09.00)		82.8	106.9	82.6	107.9	82.3	102.2
Standard		90	140	90	140	90	140

Standard : 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

Customer Name : Tostem Thai Co., Ltd./North Factory/EIA  
 Address : 101/104 Moo 20, Soi Navanakorn 1,  
 Phaholyothin Rd., Klongnueng, Klongluang,  
 Pathumthani 12120  
 Contact : Tel. (02) 529 0474 # 1965 Fax. (02) 529 4385  
 Job No. : S660326/June

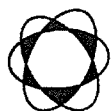
Report No. : 1830/2023/1-2  
 Report Date : June 29, 2023  
 Sampling Date : June 14, 2023  
 Type of Sample : Noise Contour

(1/1-2)

Extruder											
Item	Sampling Point	Result (dB(A))		Item	Sampling Point	Result (dB(A))		Item	Sampling Point	Result (dB(A))	
		14/06/23	Leq			14/06/23	Leq			14/06/23	Leq
1.	A1	76.0	88.6	31.	C1	79.5	81.2	61.	E1	79.1	80.6
2.	A2	76.1	81.1	32.	C2	78.6	83.6	62.	E2	79.7	82.0
3.	A3	79.3	83.6	33.	C3	79.0	86.0	63.	E3	81.4	84.6
4.	A4	78.8	81.3	34.	C4	81.4	82.8	64.	E4	82.6	86.5
5.	A5	79.0	81.0	35.	C5	80.6	84.6	65.	E5	79.6	81.4
6.	A6	78.6	80.8	36.	C6	81.3	86.5	66.	E6	86.5	90.0
7.	A7	79.3	81.2	37.	C7	84.6	86.2	67.	E7	85.1	90.0
8.	A8	81.1	84.6	38.	C8	80.0	82.1	68.	E8	81.1	84.6
9.	A9	80.9	82.3	39.	C9	79.6	81.4	69.	E9	79.8	83.2
10.	A10	80.1	84.1	40.	C10	78.5	86.2	70.	E10	81.4	83.6
11.	A11	78.6	80.8	41.	C11	78.1	84.3	71.	E11	79.9	83.6
12.	A12	78.4	80.2	42.	C12	80.0	82.1	72.	E12	-	-
13.	A13	79.0	81.1	43.	C13	77.8	81.0	73.	E13	76.6	79.2
14.	A14	78.0	80.6	44.	C14	77.6	81.0	74.	E14	78.1	80.4
15.	A15	77.8	80.1	45.	C15	78.0	80.8	75.	E15	77.9	79.2
16.	B1	78.8	82.4	46.	D1	77.8	80.8	76.	F1	78.1	80.0
17.	B2	79.3	81.2	47.	D2	78.1	82.0	77.	F2	78.6	81.0
18.	B3	83.1	86.5	48.	D3	78.3	84.1	78.	F3	77.8	79.4
19.	B4	81.4	84.2	49.	D4	78.8	80.9	79.	F4	81.4	86.5
20.	B5	-	-	50.	D5	-	-	80.	F5	80.0	82.0
21.	B6	-	-	51.	D6	-	-	81.	F6	81.4	86.0
22.	B7	-	-	52.	D7	-	-	82.	F7	80.1	84.3
23.	B8	-	-	53.	D8	-	-	83.	F8	80.2	85.0
24.	B9	-	-	54.	D9	-	-	84.	F9	83.1	86.7
25.	B10	-	-	55.	D10	-	-	85.	F10	81.6	84.1
26.	B11	81.8	83.4	56.	D11	83.6	84.4	86.	F11	79.9	80.8
27.	B12	84.3	89.4	57.	D12	86.0	89.2	87.	F12	80.0	82.1
28.	B13	84.1	88.2	58.	D13	79.6	81.1	88.	F13	76.8	80.8
29.	B14	77.9	80.8	59.	D14	78.6	84.3	89.	F14	77.9	80.0
30.	B15	78.1	80.4	60.	D15	78.8	81.4	90.	F15	77.8	80.0

Remark : - บริเวณติดตั้งเครื่องจักร



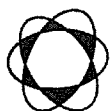


Thai Environmental Technic Limited  
บริษัท เทคนิควิเสณสิ่งแวดล้อมไทย จำกัด

(1/2-2)

Extruder							
Item	Sampling Point	Result (dB(A))		Item	Sampling Point	Result (dB(A))	
	14/06/23	Leq	Lmax		14/06/23	Leq	Lmax
91.	G1	-	-	121.	I1	77.3	81.2
92.	G2	84.2	86.8	122.	I2	77.8	80.8
93.	G3	82.6	83.7	123.	I3	76.8	77.2
94.	G4	83.4	84.5	124.	I4	82.4	84.8
95.	G5	81.3	83.2	125.	I5	80.1	82.6
96.	G6	80.1	82.1	126.	I6	79.8	80.2
97.	G7	80.8	82.9	127.	I7	78.8	81.4
98.	G8	84.2	86.9	128.	I8	79.2	81.2
99.	G9	85.1	90.1	129.	I9	80.3	85.4
100.	G10	81.8	83.6	130.	I10	81.4	86.1
101.	G11	79.8	81.4	131.	I11	78.9	80.0
102.	G12	79.5	85.2	132.	I12	78.6	80.0
103.	G13	-	-	133.	I13	76.8	78.2
104.	G14	-	-	134.	I14	77.0	80.1
105.	G15	77.8	79.4	135.	I15	77.0	79.2
106.	H1	-	-				
107.	H2	80.6	82.3				
108.	H3	80.8	83.4				
109.	H4	81.1	83.5				
110.	H5	84.2	87.9				
111.	H6	-	-				
112.	H7	-	-				
113.	H8	-	-				
114.	H9	-	-				
115.	H10	-	-				
116.	H11	-	-				
117.	H12	78.9	81.1				
118.	H13	77.9	80.2				
119.	H14	-	-				
120.	H15	76.5	77.8				

Remark : - บริเวณติดตั้งเครื่องจักร



# Thai Environmental Technic Limited

## บริษัท เทคนิคสิ่งแวดล้อมไทย จำกัด

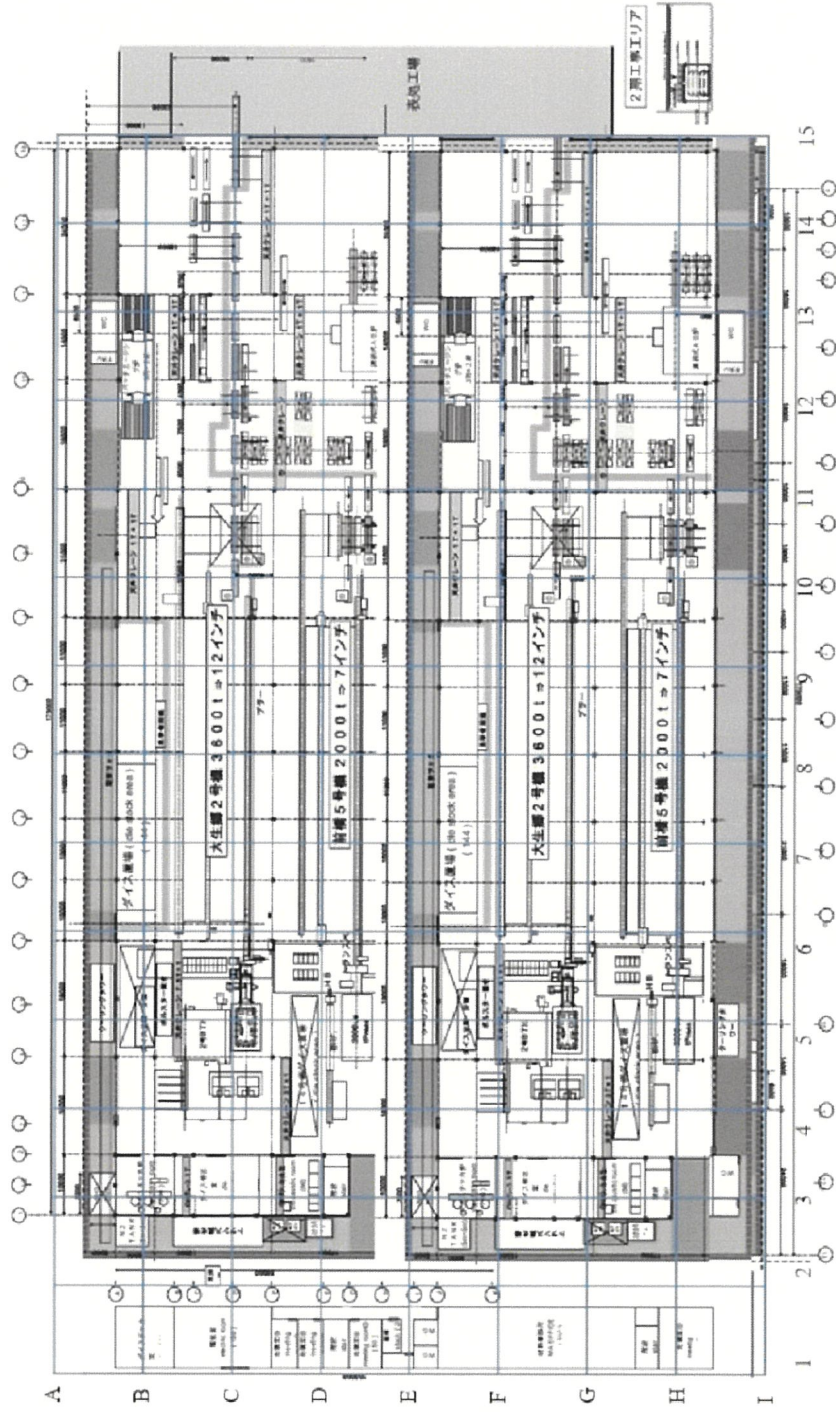
Customer Name : Tostem Thai Co., Ltd./North Factory/EIA  
 Address : 101/104 Moo 20, Soi Navanakorn 1,  
 Phaholyothin Rd., Klongnueng, Klongluang,  
 Pathumthani 12120  
 Contact : Tel. (02) 529 0474 # 1965 Fax. (02) 529 4385  
 Job No. : S660326/June

Report No. : 1830/2023/2-2  
 Report Date : June 29, 2023  
 Sampling Date : June 13, 2023  
 Type of Sample : Noise Contour

Casting											
Item	Sampling Point	Result (dB(A))		Item	Sampling Point	Result (dB(A))		Item	Sampling Point	Result (dB(A))	
		13/06/23	Leq			13/06/23	Leq			13/06/23	Leq
1.	A1	75.2	78.1	31.	C9	80.2	86.5	61.	F6	84.3	89.2
2.	A2	78.0	81.2	32.	C10	78.6	80.6	62.	F7	81.9	83.6
3.	A3	77.8	80.6	33.	C11	78.2	81.4	63.	F8	84.1	86.8
4.	A4	-	-	34.	D1	76.6	77.3	64.	F9	79.8	84.2
5.	A5	-	-	35.	D2	77.0	78.6	65.	F10	79.0	81.8
6.	A6	-	-	36.	D3	78.4	80.4	66.	F11	78.6	80.2
7.	A7	83.2	86.5	37.	D4	82.5	85.3	67.	G1	74.9	76.1
8.	A8	79.1	81.4	38.	D5	85.1	86.6	68.	G2	76.2	79.8
9.	A9	80.8	82.6	39.	D6	84.8	88.1	69.	G3	78.1	80.0
10.	A10	81.9	85.2	40.	D7	84.0	87.3	70.	G4	78.3	81.5
11.	A11	76.1	78.4	41.	D8	79.9	81.6	71.	G5	-	-
12.	B1	76.1	79.0	42.	D9	79.0	80.8	72.	G6	84.1	86.6
13.	B2	76.9	78.6	43.	D10	78.1	80.1	73.	G7	-	-
14.	B3	77.1	78.9	44.	D11	77.9	81.1	74.	G8	80.8	82.3
15.	B4	80.2	86.5	45.	E1	77.3	81.2	75.	G9	79.1	80.1
16.	B5	79.8	80.9	46.	E2	77.6	80.8	76.	G10	78.0	80.0
17.	B6	79.2	82.6	47.	E3	77.1	80.3	77.	G11	78.1	81.0
18.	B7	81.3	85.4	48.	E4	78.2	80.1				
19.	B8	82.6	86.7	49.	E5	-	-				
20.	B9	80.1	82.5	50.	E6	80.0	82.2				
21.	B10	79.4	84.2	51.	E7	81.6	84.3				
22.	B11	79.0	81.8	52.	E8	80.8	83.2				
23.	C1	78.5	80.4	53.	E9	80.8	84.0				
24.	C2	77.6	80.0	54.	E10	79.9	81.4				
25.	C3	78.9	81.6	55.	E11	78.6	80.9				
26.	C4	79.4	82.6	56.	F1	76.5	77.8				
27.	C5	80.0	82.7	57.	F2	-	-				
28.	C6	81.1	84.5	58.	F3	-	-				
29.	C7	79.8	83.2	59.	F4	-	-				
30.	C8	79.3	84.6	60.	F5	82.0	88.6				

Remark : - บริเวณติดตั้งเครื่องจักร

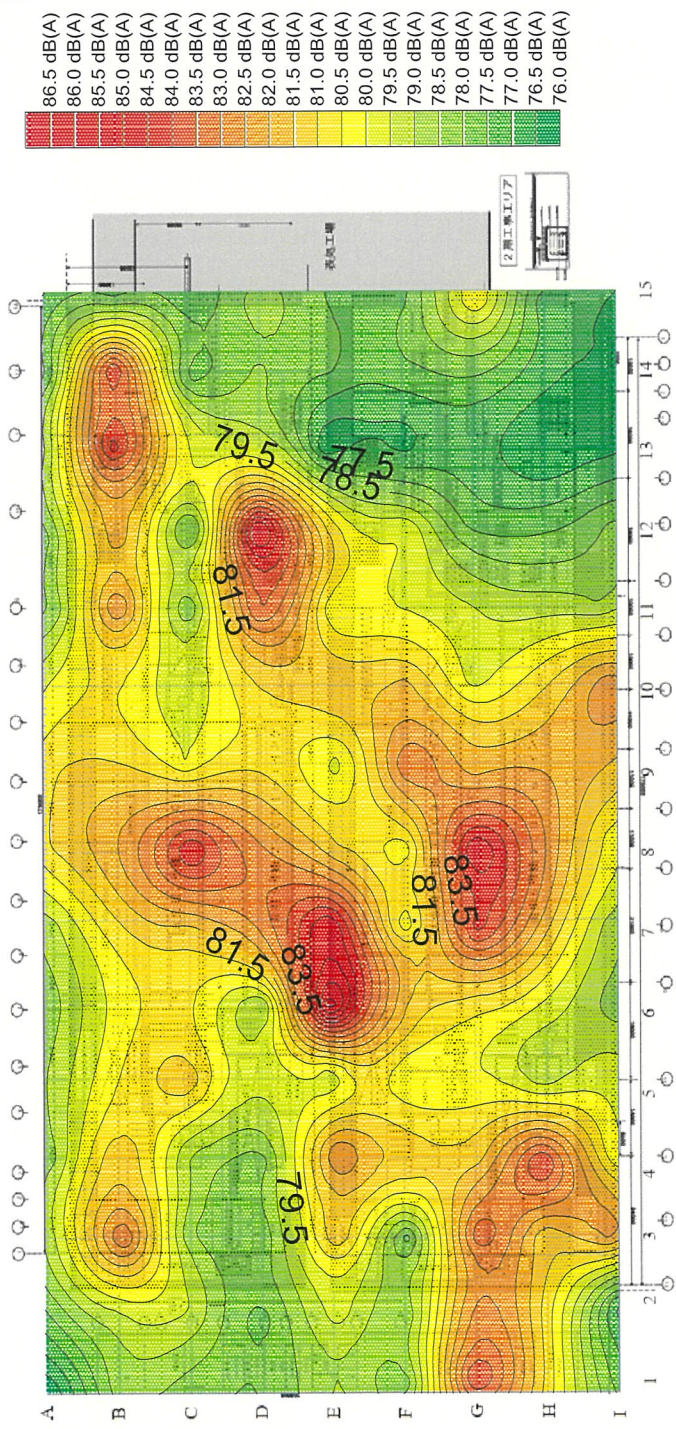
PHASE 5 P.J. MACHINE EXTRUSION D - LINE



รูปที่ 1 ตำแหน่งตรวจวัดระดับเสียงเพื่อจัดทำแผนผังแสดงระดับเสียง (Noise Contour Map) บริเวณ Extruder



PHASE 5 P.J. MACHINE EXTRUSION D -LINE



รูปที่ 2 แผนผังแสดงระดับเสียง (Noise Contour Map) บริเวณ Extruder

**CASITNG MINI LINE**

**STORAGE**

**MEETING STEP**

**CUTTING**

**CM**

**MF 9x18**

**DRCS DUST**

**F.A. 18**

**WATER TANK 500 m³**

**COOLING 7x6**

**HOMO**

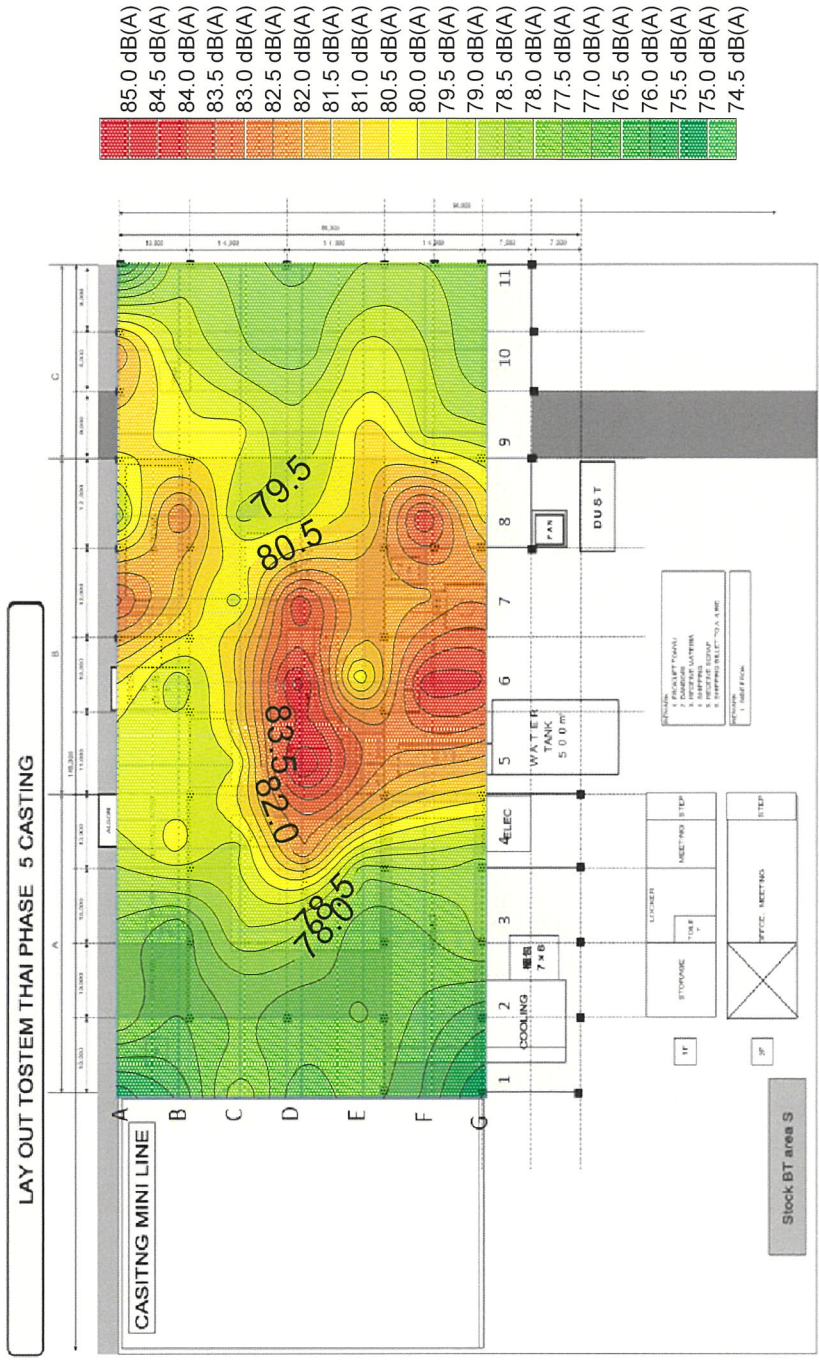
**DUST**

**1. PRASAP TIRAJ**  
 2. PRASAP TIRAJ  
 3. PRASAP TIRAJ  
 4. PRASAP TIRAJ  
 5. PRASAP TIRAJ  
 6. PRASAP TIRAJ  
 7. PRASAP TIRAJ  
 8. PRASAP TIRAJ  
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 10. PRASAP TIRAJ  
 11. PRASAP TIRAJ

**Stock BT area S**

รูปที่ 3 ตำแหน่งตรวจวัดระดับเสียงเพื่อจัดทำแผนผังแสดงระดับเสียง (Noise Contour Map) บริเวณ Casting





รูปที่ 4 แผนผังแสดงระดับเสียง (Noise Contour Map) บริเวณ Casting





## TEST REPORT

Customer Name : Tostem Thai Co., Ltd./North Factory/EIA  
Address : 101/104 Moo 20, Soi Navanakorn 1,  
Phaholyothin Rd., Klongnueng, Klongluang,  
Pathumthani 12120  
Contact : Tel. (02) 529 0474 # 1965 Fax. (02) 529 4385  
Job No. : S660326/Apr

Report No. : 2023/1-4  
Report Date : April 27, 2023  
Sampling Date : April 24, 2023  
Type of Sample : Sound Level

Item	Time	Result (dB(A))	
		บริเวณเตาหลอมอลูมิเนียม (CASTING GROUP)	
		Melting Furnace/D-Line/CA	
		24/04/23	
		Leq 1 hr.	Lmax
1.	09.00-10.00	78.9	95.4
2.	10.00-11.00	77.5	95.1
3.	11.00-12.00	78.1	95.2
4.	12.00-13.00	79.4	94.1
5.	13.00-14.00	76.1	92.1
6.	14.00-15.00	77.8	92.7
7.	15.00-16.00	75.7	92.7
8.	16.00-17.00	75.2	92.0
Leq 8 hr		77.6	-
Lmax		-	95.4
Standard		90	140

Standard : Notification of the Ministry of Industry (2003) (B.E. 2546)

*Suphakchaya Y.*

Suphakchaya Yoonim



*Somchai P.*

Somchai Piyavorasakul  
General Manager

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## TEST REPORT

Customer Name : Tostem Thai Co., Ltd./North Factory/EIA  
Address : 101/104 Moo 20, Soi Navanakorn 1,  
Phaholyothin Rd., Klongnueng, Klongluang,  
Pathumthani 12120  
Contact : Tel. (02) 529 0474 # 1965 Fax. (02) 529 4385  
Job No. : S660326/Apr

Report No. : 2023/2-4  
Report Date : April 27, 2023  
Sampling Date : April 24, 2023  
Type of Sample : Sound Level

Item	Time	Result (dB(A))	
		เครื่องรีด/EXTRUSION GROUP	
		Press machine/D-line/EX	
		24/04/23	
		Leq 1 hr.	Lmax
1.	09.00-10.00	83.8	92.5
2.	10.00-11.00	83.4	96.0
3.	11.00-12.00	83.2	95.4
4.	12.00-13.00	83.2	97.1
5.	13.00-14.00	83.3	99.2
6.	14.00-15.00	81.7	94.9
7.	15.00-16.00	81.6	92.9
8.	16.00-17.00	80.3	90.1
Leq 8 hr		82.7	-
Lmax		-	99.2
Standard		90	140

Standard : Notification of the Ministry of Industry (2003) (B.E. 2546)

*Suphakchaya Y.*

Suphakchaya Yoonim



*Somchai P.*

Somchai Piyavorasakul  
General Manager

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## TEST REPORT

Customer Name : Tostem Thai Co., Ltd./North Factory/EIA  
Address : 101/104 Moo 20, Soi Navanakorn 1,  
Phaholyothin Rd., Klongnueng, Klongluang,  
Pathumthani 12120  
Contact : Tel. (02) 529 0474 # 1965 Fax. (02) 529 4385  
Job No. : S660326/Apr

Report No. : 2023/3-4  
Report Date : April 27, 2023  
Sampling Date : April 24, 2023  
Type of Sample : Sound Level

Item	Time	Result (dB(A))	
		พื้นที่ชุมชน/SURFACE TREATMENT GROUP	
		Chiller Area/D-line/ST	
		24/04/23	
		Leq 1 hr.	Lmax
1.	09.00-10.00	75.5	86.9
2.	10.00-11.00	75.6	82.4
3.	11.00-12.00	77.0	83.1
4.	12.00-13.00	79.7	87.0
5.	13.00-14.00	78.6	84.3
6.	14.00-15.00	75.0	77.4
7.	15.00-16.00	75.2	83.6
8.	16.00-17.00	74.0	76.7
Leq 8 hr		76.7	-
Lmax		-	87.0
Standard		90	140

Standard : Notification of the Ministry of Industry (2003) (B.E. 2546)

*Suphakchaya Y.*

Suphakchaya Yoonim



*Somchai P.*

Somchai Piyavorasakul  
General Manager

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## TEST REPORT

Customer Name : Tostem Thai Co., Ltd./North Factory/EIA  
Address : 101/104 Moo 20, Soi Navanakorn 1,  
Phaholyothin Rd., Klongnueng, Klongluang,  
Pathumthani 12120  
Contact : Tel. (02) 529 0474 # 1965 Fax. (02) 529 4385  
Job No. : S660326/Apr

Report No. : 2023/4-4  
Report Date : April 27, 2023  
Sampling Date : April 24, 2023  
Type of Sample : Sound Level

Item	Time	Result (dB(A))			
		โรงประกอบ/FABRICATION GROUP			
		Line Area FAB4/FA		Line Area FAB6/FA	
		24/04/23		24/04/23	
		Leq 1 hr.	Lmax	Leq 1 hr.	Lmax
1.	09.00-10.00	73.8	89.5	79.1	93.7
2.	10.00-11.00	70.2	81.6	79.3	91.2
3.	11.00-12.00	70.9	84.4	76.8	87.8
4.	12.00-13.00	70.1	84.0	78.0	94.4
5.	13.00-14.00	71.0	87.2	75.4	86.1
6.	14.00-15.00	65.1	78.7	70.8	87.4
7.	15.00-16.00	70.5	83.9	73.3	89.4
8.	16.00-17.00	72.0	86.4	70.3	83.3
Leq 8 hr		71.0	-	76.5	-
Lmax		-	89.5	-	94.4
Standard		90	140	90	140

Standard : Notification of the Ministry of Industry (2003) (B.E. 2546)

*Suphakchaya Yoonim*

Suphakchaya Yoonim



*Somchai P.*

Somchai Piyavorasakul  
General Manager

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## TEST REPORT

Customer Name : Tostem Thai Co., Ltd./North Factory/EIA  
Address : 101/104 Moo 20, Soi Navanakorn 1,  
Phaholyothin Rd., Klongnueng, Klongluang,  
Pathumthani 12120  
Contact : Tel. (02) 529 0474 # 1965 Fax. (02) 529 4385  
Job No. : S660326/June/Occ

Report No. : 2023/1-4  
Report Date : June 21, 2023  
Sampling Date : June 12, 2023  
Type of Sample : Sound Level

Item	Time	Result (dB(A))	
		บริเวณเตาหลอมอลูมิเนียม (CASTING GROUP)	
		Melting Furnace/D-Line/CA	
		12/06/23	
		Leq 1 hr.	Lmax
1.	09.00-10.00	79.8	94.5
2.	10.00-11.00	79.3	94.9
3.	11.00-12.00	78.6	101.3
4.	12.00-13.00	74.1	87.3
5.	13.00-14.00	76.1	98.4
6.	14.00-15.00	78.7	91.0
7.	15.00-16.00	79.6	101.5
8.	16.00-17.00	78.3	93.0
Leq 8 hr		78.4	-
Lmax		-	101.5
Standard		90	140

Standard : Notification of the Ministry of Industry (2003) (B.E. 2546)

*Suphakchaya Y.*

Suphakchaya Yoonim



*Somchai P.*

Somchai Piyavorasakul  
General Manager

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## TEST REPORT

Customer Name : Tostem Thai Co., Ltd./North Factory/EIA  
Address : 101/104 Moo 20, Soi Navanakorn 1,  
Phaholyothin Rd., Klongnueng, Klongluang,  
Pathumthani 12120  
Contact : Tel. (02) 529 0474 # 1965 Fax. (02) 529 4385  
Job No. : S660326/June/Occ

Report No. : 2023/2-4  
Report Date : June 21, 2023  
Sampling Date : June 12, 2023  
Type of Sample : Sound Level

Item	Time	Result (dB(A))	
		เครื่องรีด/EXTRUSION GROUP	
		Press machine/D-line/EX	
		12/06/23	
		Leq 1 hr.	Lmax
1.	09.00-10.00	82.0	89.2
2.	10.00-11.00	83.2	86.3
3.	11.00-12.00	81.3	95.5
4.	12.00-13.00	83.9	93.8
5.	13.00-14.00	81.4	88.8
6.	14.00-15.00	83.8	92.8
7.	15.00-16.00	81.4	88.8
8.	16.00-17.00	83.4	88.9
Leq 8 hr		82.7	-
Lmax		-	95.5
Standard		90	140

Standard : Notification of the Ministry of Industry (2003) (B.E. 2546)

*Suphakchaya Y.*

Suphakchaya Yoonim



*Somchai P.*

Somchai Piyavorasakul  
General Manager

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## TEST REPORT

Customer Name : Tostem Thai Co., Ltd./North Factory/EIA  
Address : 101/104 Moo 20, Soi Navanakorn 1,  
Phaholyothin Rd., Klongnueng, Klongluang,  
Pathumthani 12120  
Contact : Tel. (02) 529 0474 # 1965 Fax. (02) 529 4385  
Job No. : S660326/June/Occ

Report No. : 2023/3-4  
Report Date : June 21, 2023  
Sampling Date : June 16, 2023  
Type of Sample : Sound Level

Item	Time	Result (dB(A))	
		พื้นที่ชุมชน/SURFACE TREATMENT GROUP	
		Chiller Area/D-line/ST	
		16/06/23	
		Leq 1 hr.	Lmax
1.	09.00-10.00	83.1	84.5
2.	10.00-11.00	83.4	85.0
3.	11.00-12.00	83.0	84.1
4.	12.00-13.00	82.9	84.4
5.	13.00-14.00	82.6	85.0
6.	14.00-15.00	81.9	83.3
7.	15.00-16.00	83.6	85.1
8.	16.00-17.00	83.1	85.0
Leq 8 hr		83.0	-
Lmax		-	85.1
Standard		90	140

Standard : Notification of the Ministry of Industry (2003) (B.E. 2546)

*Suphakchaya Y.*

Suphakchaya Yoonim



*Somchai P.*

Somchai Piyavorasakul  
General Manager

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## TEST REPORT

Customer Name : Tostem Thai Co., Ltd./North Factory/EIA  
Address : 101/104 Moo 20, Soi Navanakorn 1,  
Phaholyothin Rd., Klongnueng, Klongluang,  
Pathumthani 12120  
Contact : Tel. (02) 529 0474 # 1965 Fax. (02) 529 4385  
Job No. : S660326/June/Occ

Report No. : 2023/4-4  
Report Date : June 21, 2023  
Sampling Date : June 12, 2023  
Type of Sample : Sound Level

Item	Time	Result (dB(A))			
		โรงประกอบ/FABRICATION GROUP			
		Line Area FAB4/FA		Line Area FAB6/FA	
		12/06/23		12/06/23	
		Leq 1 hr.	Lmax	Leq 1 hr.	Lmax
1.	09.00-10.00	81.2	88.2	78.5	89.5
2.	10.00-11.00	83.1	89.3	78.8	89.7
3.	11.00-12.00	81.9	88.6	79.6	98.0
4.	12.00-13.00	82.8	87.3	80.8	97.9
5.	13.00-14.00	83.4	88.3	83.0	97.6
6.	14.00-15.00	81.2	89.6	87.8	104.0
7.	15.00-16.00	83.4	90.8	87.3	101.4
8.	16.00-17.00	81.2	88.5	86.9	102.2
Leq 8 hr		82.4	-	84.4	-
Lmax		-	90.8	-	104.0
Standard		90	140	90	140

Standard : Notification of the Ministry of Industry (2003) (B.E. 2546)

*Suphakchaya Y.*

Suphakchaya Yoonim



*Somchai P.*

Somchai Piyavorasakul  
General Manager

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## TEST REPORT

**Analysis No.** : R23-1345  
**Received Date** : 09/05/23  
**Customer** : Technical Division of Thai Environmental Technic Limited  
For Tostem Thai Co., Ltd./North Factory/EIA  
**Address** : 101/104 Moo 20, Soi Navanakorn 1, Phaholyothin Road,  
Klongnueng, Klongluang, Pathumthani 12120  
**Contact** : Tel. (02) 529 0474 # 1965 Fax. (02) 529 4385

**Report Date** : 18/05/23  
**Analysis Date** : 10-15/05/23  
**Job No.** : S660326/May/Occ  
**Sampling By** : Mr. Natdanai Sriratchachawan  
**Type of Sample** : Working Area

Sample No.	Sampling point	Parameter	Unit	Sampling Date	Result	Standard <sup>(1)</sup>	Analysis Date
2305-AW0451	บริเวณเตาหลอมอลูมิเนียม (CASTING GROUP) Melting Furnace/D-Line/CA	Total Dust	mg/m <sup>3</sup>	08/05/23	< 0.010	10 <sup>(2)</sup>	10-11/05/23
		Al	mg/m <sup>3</sup>	08/05/23	< 0.04	15	15/05/23
		HF	ppm	08/05/23	< 0.012	3	11/05/23
2305-AW0452	บริเวณเครื่องรีด (EXTRUSION GROUP) Press Area/D-Line/EX	Total Dust	mg/m <sup>3</sup>	08/05/23	0.669	10 <sup>(2)</sup>	10-11/05/23
2305-AW0453	บริเวณพื้นที่ชุบ (SURFACE TREATMENT GROUP) Surface Area/D-Line/ST	Total Dust	mg/m <sup>3</sup>	08/05/23	0.671	10 <sup>(2)</sup>	10-11/05/23
		NaOH	mg/m <sup>3</sup>	08/05/23	< 0.40	2	12/05/23
		H <sub>2</sub> SO <sub>4</sub>	mg/m <sup>3</sup>	08/05/23	0.09	1	10/05/23
		NH <sub>3</sub>	ppm	08/05/23	< 0.043	50	10/05/23
2305-AW0454	บริเวณโรงประกอบ (FABRICATION GROUP) Cutting Area/Fab4	Total Dust	mg/m <sup>3</sup>	08/05/23	0.251	10 <sup>(2)</sup>	10-11/05/23
		Total Dust	mg/m <sup>3</sup>	08/05/23	< 0.010	10 <sup>(2)</sup>	10-11/05/23
2305-AW0456	บริเวณพื้นที่พ่นสี (PART PRODUCT GROUP) Paint Room/Fab5C/PT	Xylene	ppm	08/05/23	< 0.009	100	11-12/05/23
		Toluene	ppm	08/05/23	< 0.011	200	11-12/05/23
		Benzene	ppm	08/05/23	< 0.003	1	11-12/05/23

**Method** : Total Dust - Filtering, Gravimetric (NIOSH 0500, Issue 2 :Aug 1994)  
Al - Filtering, ICP (NIOSH 7300, Issue 3: Mar 2003)  
HF - Filtering, ISE (OSHA ID-110, Feb 1991)  
NaOH - Filtering, Titrimetric (NIOSH 7401, Issue 2 :Aug 1994)  
H<sub>2</sub>SO<sub>4</sub> - Filtering, IC (NIOSH 7908, Issue 1 :May 2014)  
NH<sub>3</sub> - Absorbing Solution, Colorimetric (APHA 801)  
Xylene - Solid Sorbent Tube, GC/FID (NIOSH 1501, Issue 3 :Mar 2003)  
Toluene - Solid Sorbent Tube, GC/FID (NIOSH 1501, Issue 3 :Mar 2003)  
Benzene - Solid Sorbent Tube, GC/FID (NIOSH 1501, Issue 3 :Mar 2003)

**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  
18/05/23



Approved by

Mrs. Pornpip Pethshee  
Laboratory Manager  
18/05/23

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

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## TEST REPORT

Customer Name : Tostem Thai Co., Ltd./North Factory/EIA  
Address : 101/104 Moo 20, Soi Navanakorn 1,  
Phaholyothin Rd., Klongnueng, Klongluang,  
Pathumthani 12120  
Contact : Tel. (02) 529 0474 # 1965 Fax. (02) 529 4385  
Job No. : S660326/May/Occ

Report No. : 1345/2023/1-2  
Report Date : May 18, 2023  
Sampling Date : May 8, 2023  
Type of Sample : Heat

Item	Description	Sampling Date	Sampling Time	Result (°C)				
				NWB	DB	GT	WBGT	WBGT Average
1.	โรงงานเหนือ บริเวณเตาหลอมอลูมิเนียม (CASTING GROUP) Melting Furnace/D-Line/CA - ขับรถโฟล์คลิฟท์นำอลูมิเนียมเข้าเตาหลอม (80 นาที) - นั่งพัก/ทำงานเอกสาร (40 นาที)	08/05/23	10.00-12.00	30.2 24.2	34.4 25.6	36.7 27.7	32.2 25.3	29.9
2.	เครื่องรีด (EXTRUSION GROUP) Press area D-line/EX - ยืนควบคุมเครื่องรีดอลูมิเนียมและเปลี่ยนหัวแม่พิมพ์ (Mold) (100 นาที) - นั่งพัก (20 นาที)	08/05/23	10.00-12.00	29.2 24.8	32.6 25.5	34.8 27.2	30.9 25.5	30.0
3.	พื้นที่พ่นสี/Paint Line/Paint Room (PART PRODUCT GROUP) Paint room/Paint Line/PT - ยืนควบคุมเครื่องพ่นสี (100 นาที) - นั่งพัก (20 นาที)	08/05/23	10.00-12.00	28.7 27.4	32.2 31.2	33.8 32.6	30.2 29.0	30.0
Standard <sup>(1)(2)</sup>				-	-	-	-	32.0

Standard : <sup>(1)</sup> Ministry of Labour's Regulation (2016) (B.E. 2559) ; Moderate Work Load  
<sup>(2)</sup> Notification of the Ministry 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

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

*Suphakchaya Y.*

Suphakchaya Yoonim



*Somchai P.*

Somchai Piyavorasakul  
General Manager

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## TEST REPORT

Customer Name : Tostem Thai Co., Ltd./North Factory/EIA  
Address : 101/104 Moo 20, Soi Navanakorn 1,  
Phaholyothin Rd., Klongnueng, Klongluang,  
Pathumthani 12120  
Contact : Tel. (02) 529 0474 # 1965 Fax. (02) 529 4385  
Job No. : S660326/May/Occ

Report No. : 1345/2023/2-2  
Report Date : May 18, 2023  
Sampling Date : May 8, 2023  
Type of Sample : Heat

Item	Description	Sampling Date	Sampling Time	Result (°C)				
				NWB	DB	GT	WBGT	WBGT Average
1.	โรงงานเหนือ บริเวณพื้นที่ขุบ (SURFACE TREATMENT GROUP) Unloading area D-line/ST - ยืนจัดเรียงชิ้นงานแผ่นอลูมิเนียมเข้าบ่อขุบ (120 นาที)	08/05/23	10.00-12.00	28.6	32.2	33.6	30.1	30.1
Standard <sup>(1)(2)</sup>				-	-	-	-	32.0

Standard : <sup>(1)</sup> Ministry of Labour's Regulation (2016) (B.E. 2559) ; Moderate Work Load

<sup>(2)</sup> Notification of the Ministry 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

$$\text{WBGT Average} = \frac{(\text{WBGT}_1 \times t_1) + (\text{WBGT}_2 \times t_2) + \dots + (\text{WBGT}_n \times t_n)}{t_1 + t_2 + \dots + t_n}$$

*Suphakchaya Y.*

Suphakchaya Yoonim



*Somchai P.*

Somchai Piyavorasakul  
General Manager