

ภาคผนวก ค

รายงานผลการตรวจวัดคุณภาพสิ่งแวดล้อม



## TEST REPORT

**Analysis No.** : R23-1465  
**Received Date** : 18-23/05/23  
**Customer** : Technical Division of Thai Environmental Technic Limited  
For Thai Acrylic Fibre Co., Ltd./Acrylic Fiber Production Plant Project (Expansion 3<sup>rd</sup>)  
**Address** : No. 54 Moo 5 Sudbantad Road, T. Tan-Deaw,  
Kaengkhoi Saraburi 18110  
**Contact** : Tel. (036) 240-100 Ext. 444 E-mail : Sompob.pheungsungwan@adityabirla.com

**Report Date** : 31/05/23  
**Analysis Date** : 18-25/05/23  
**Job No.** : S660162/May/1  
**Sampling By** : TET  
**Type of Sample** : Ambient Air

Sampling Point	Sample No.	Sampling Date	Result		Analysis Date
			TSP (mg/m <sup>3</sup> )	PM-10 (mg/m <sup>3</sup> )	
Ban Tan Deaw (Tan Deaw Village) (A1) (47P 0711949 UTM 1612864)	2305-AA0851	15-16/05/23	0.142	0.076	18-22/05/23
	2305-AA0856	16-17/05/23	0.282	0.106	18-22/05/23
	2305-AA0900	17-18/05/23	0.242	0.102	19-23/05/23
	2305-AA0991	18-19/05/23	0.078	0.038	22-24/05/23
	2305-AA0996	19-20/05/23	0.213	0.068	22-24/05/23
	2305-AA1001	20-21/05/23	0.181	0.068	22-24/05/23
	2305-AA1129	21-22/05/23	0.213	0.069	23-25/05/23
Standard			0.33	0.12	

**Method** : TSP = Gravimetric Method (US.EPA 40 CFR Part 50 Appendix B)  
PM-10 = Gravimetric Method (US.EPA 40 CFR Part 50 Appendix J)

**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  
31/05/23



Approved by

Mrs. Pornpip Pethshee  
Laboratory Manager  
31/05/23

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**Customer** : Technical Division of Thai Environmental Technic Limited  
For Thai Acrylic Fibre Co., Ltd./Acrylic Fiber Production Plant Project (Expansion 3<sup>rd</sup>)  
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**Contact** : Tel. (036) 240-100 Ext. 444 E-mail : Sompob.pheungsungwan@adityabirla.com

**Report Date** : 31/05/23  
**Analysis Date** : 18-25/05/23  
**Job No.** : S660162/May/1  
**Sampling By** : TET  
**Type of Sample** : Ambient Air

Sampling Point	Sample No.	Sampling Date	Result		Analysis Date
			TSP (mg/m <sup>3</sup> )	PM-10 (mg/m <sup>3</sup> )	
Ban Khon Horm (A2) (47P 0713672 UTM 1613921)	2305-AA0850	15-16/05/23	0.070	0.054	18-22/05/23
	2305-AA0855	16-17/05/23	0.072	0.039	18-22/05/23
	2305-AA0899	17-18/05/23	0.082	0.037	19-23/05/23
	2305-AA0990	18-19/05/23	0.082	0.036	22-24/05/23
	2305-AA0995	19-20/05/23	0.084	0.043	22-24/05/23
	2305-AA1000	20-21/05/23	0.118	0.048	22-24/05/23
	2305-AA1128	21-22/05/23	0.096	0.038	23-25/05/23
Standard			0.33	0.12	

**Method** : TSP = Gravimetric Method (US.EPA 40 CFR Part 50 Appendix B)  
PM-10 = Gravimetric Method (US.EPA 40 CFR Part 50 Appendix J)

**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  
31/05/23



Approved by

Mrs. Pornpip Pethshee  
Laboratory Manager  
31/05/23

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**Received Date** : 18-23/05/23  
**Customer** : Technical Division of Thai Environmental Technic Limited  
For Thai Acrylic Fibre Co., Ltd./Acrylic Fiber Production Plant Project (Expansion 3<sup>rd</sup>)  
**Address** : No. 54 Moo 5 Sudbantad Road, T. Tan-Deaw,  
Kaengkhoi Saraburi 18110  
**Contact** : Tel. (036) 240-100 Ext. 444 E-mail : Sompob.pheungsungwan@adityabirla.com

**Report Date** : 31/05/23  
**Analysis Date** : 18-25/05/23  
**Job No.** : S660162/May/1  
**Sampling By** : TET  
**Type of Sample** : Ambient Air

Sampling Point	Sample No.	Sampling Date	Result		Analysis Date
			TSP (mg/m <sup>3</sup> )	PM-10 (mg/m <sup>3</sup> )	
Ban Sung (A3) (47P 0710746 UTM 1610092)	2305-AA0853	15-16/05/23	0.046	0.012	18-22/05/23
	2305-AA0858	16-17/05/23	0.052	0.032	18-22/05/23
	2305-AA0902	17-18/05/23	0.065	0.014	19-23/05/23
	2305-AA0993	18-19/05/23	0.058	0.018	22-24/05/23
	2305-AA0998	19-20/05/23	0.067	0.024	22-24/05/23
	2305-AA1003	20-21/05/23	0.057	0.024	22-24/05/23
	2305-AA1131	21-22/05/23	0.063	0.022	23-25/05/23
Standard			0.33	0.12	

**Method** : TSP = Gravimetric Method (US.EPA 40 CFR Part 50 Appendix B)

PM-10 = Gravimetric Method (US.EPA 40 CFR Part 50 Appendix J)

**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

31.05.23



Approved by

Mrs. Pornpip Pethshee

Laboratory Manager

21.05.23

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## TEST REPORT

**Analysis No.** : R23-1465

**Report Date** : 31/05/23

**Received Date** : 18-23/05/23

**Analysis Date** : 18-25/05/23

**Customer** : Technical Division of Thai Environmental Technic Limited

**Job No.** : S660162/May/1

For Thai Acrylic Fibre Co., Ltd./Acrylic Fiber Production Plant Project (Expansion 3<sup>rd</sup>)

**Sampling By** : TET

**Address** : No. 54 Moo 5 Sudbantad Road, T. Tan-Deaw,

**Type of Sample** : Ambient Air

Kaengkhoei Saraburi 18110

**Contact** : Tel. (036) 240-100 Ext. 444 E-mail : Sompob.pheungsungwan@adityabirla.com

Sampling Point	Sample No.	Sampling Date	Result		Analysis Date
			TSP (mg/m <sup>3</sup> )	PM-10 (mg/m <sup>3</sup> )	
Ban Lup Lao (Wat Jam Sil) (A4) (47P 0711547 UTM 1611995)	2305-AA0849	15-16/05/23	0.074	0.031	18-22/05/23
	2305-AA0854	16-17/05/23	0.071	0.036	18-22/05/23
	2305-AA0898	17-18/05/23	0.076	0.035	19-23/05/23
	2305-AA0989	18-19/05/23	0.086	0.043	22-24/05/23
	2305-AA0994	19-20/05/23	0.068	0.029	22-24/05/23
	2305-AA0999	20-21/05/23	0.082	0.040	22-24/05/23
	2305-AA1127	21-22/05/23	0.071	0.032	23-25/05/23
Standard			0.33	0.12	

**Method** : TSP = Gravimetric Method (US.EPA 40 CFR Part 50 Appendix B)

PM-10 = Gravimetric Method (US.EPA 40 CFR Part 50 Appendix J)

**Standard** : Notification of the National Environment Board No. 10 (1995) (B.E. 2538) and No. 24 (2004) (B.E. 2547), 24-hr. average value

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Ms. Wareerut Prachumdaeng

Chief of Laboratory

31/05/23



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Mrs. Pornpip Pethshee

Laboratory Manager

31/05/23

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## TEST REPORT

Customer Name : Thai Acrylic Fibre Co., Ltd.

Report No. : 1465/2023/1-29

Project : Acrylic Fiber Production Plant Project  
(Expansion 3<sup>rd</sup>)

Report Date : May 29, 2023

Sampling Date : May 15-22, 2023

Address : No. 54 Moo 5 Sudbantad Road, T. Tan-Deaw  
Kaengkhohi Saraburi 18110

Type of Sample : Ambient Air

Contact : Tel. (036) 240-100 Ext. 444

Job No. : S660162/May/1

Item	Time	Result						
		Ban Tan Deaw (Tan Deaw Village) (A1)						
		NO <sub>2</sub> (ppm)						
		15-16/05/23	16-17/05/23	17-18/05/23	18-19/05/23	19-20/05/23	20-21/05/23	21-22/05/23
1.	11:00-12:00	0.0044	0.0032	0.0020	0.0031	0.0021	0.0022	0.0021
2.	12:00-13:00	0.0050	0.0024	0.0026	0.0026	0.0027	0.0025	0.0012
3.	13:00-14:00	0.0037	0.0021	0.0015	0.0022	0.0034	0.0021	0.0016
4.	14:00-15:00	0.0029	0.0030	0.0014	0.0020	0.0027	0.0014	0.0020
5.	15:00-16:00	0.0050	0.0022	0.0026	0.0017	0.0025	0.0009	0.0020
6.	16:00-17:00	0.0028	0.0028	0.0025	0.0018	0.0035	0.0010	0.0010
7.	17:00-18:00	0.0051	0.0020	0.0019	0.0027	0.0020	0.0012	0.0010
8.	18:00-19:00	0.0041	0.0032	0.0018	0.0028	0.0011	0.0028	0.0010
9.	19:00-20:00	0.0048	0.0032	0.0018	0.0031	0.0011	0.0020	0.0012
10.	20:00-21:00	0.0035	0.0019	0.0015	0.0021	0.0017	0.0011	0.0019
11.	21:00-22:00	0.0028	0.0024	0.0027	0.0018	0.0022	0.0013	0.0033
12.	22:00-23:00	0.0037	0.0027	0.0021	0.0016	0.0011	0.0010	0.0027
13.	23:00-00:00	0.0036	0.0024	0.0026	0.0022	0.0012	0.0010	0.0035
14.	00:00-01:00	0.0035	0.0032	0.0035	0.0015	0.0010	0.0014	0.0028
15.	01:00-02:00	0.0029	0.0046	0.0028	0.0011	0.0011	0.0008	0.0016
16.	02:00-03:00	0.0028	0.0027	0.0021	0.0012	0.0011	0.0009	0.0017
17.	03:00-04:00	0.0044	0.0026	0.0012	0.0021	0.0011	0.0014	0.0011
18.	04:00-05:00	0.0023	0.0031	0.0011	0.0016	0.0011	0.0010	0.0012
19.	05:00-06:00	0.0029	0.0041	0.0010	0.0015	0.0017	0.0010	0.0009
20.	06:00-07:00	0.0036	0.0025	0.0015	0.0019	0.0010	0.0009	0.0010
21.	07:00-08:00	0.0029	0.0033	0.0014	0.0028	0.0011	0.0014	0.0016
22.	08:00-09:00	0.0022	0.0033	0.0011	0.0020	0.0011	0.0022	0.0009
23.	09:00-10:00	0.0015	0.0025	0.0022	0.0015	0.0026	0.0009	0.0027
24.	10:00-11:00	0.0030	0.0019	0.0026	0.0020	0.0026	0.0023	0.0021
Minimum		0.0015	0.0019	0.0010	0.0011	0.0010	0.0008	0.0009
Maximum		0.0051	0.0046	0.0035	0.0031	0.0035	0.0028	0.0035
Average		0.0035	0.0028	0.0020	0.0020	0.0018	0.0015	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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## TEST REPORT

Customer Name : Thai Acrylic Fibre Co., Ltd. Report No. : 1465/2023/2-29  
Project : Acrylic Fiber Production Plant Project Report Date : May 29, 2023  
(Expansion 3<sup>rd</sup>) Sampling Date : May 15-22, 2023  
Address : No. 54 Moo 5 Sudbantad Road, T. Tan-Deaw Type of Sample : Ambient Air  
Kaengkhoi Saraburi 18110  
Contact : Tel. (036) 240-100 Ext. 444  
Job No. : S660162/May/1

Item	Time	Result						
		Ban Khon Hom (A2)						
		NO <sub>2</sub> (ppm)						
		15-16/05/23	16-17/05/23	17-18/05/23	18-19/05/23	19-20/05/23	20-21/05/23	21-22/05/23
1.	10:00-11:00	0.0016	0.0024	0.0025	0.0026	0.0017	0.0015	0.0018
2.	11:00-12:00	0.0025	0.0040	0.0035	0.0018	0.0024	0.0015	0.0022
3.	12:00-13:00	0.0034	0.0039	0.0025	0.0023	0.0040	0.0016	0.0017
4.	13:00-14:00	0.0022	0.0036	0.0046	0.0017	0.0056	0.0016	0.0019
5.	14:00-15:00	0.0027	0.0031	0.0042	0.0028	0.0055	0.0029	0.0017
6.	15:00-16:00	0.0030	0.0043	0.0038	0.0038	0.0060	0.0021	0.0044
7.	16:00-17:00	0.0019	0.0026	0.0044	0.0025	0.0037	0.0038	0.0035
8.	17:00-18:00	0.0029	0.0034	0.0028	0.0047	0.0031	0.0019	0.0015
9.	18:00-19:00	0.0038	0.0028	0.0031	0.0038	0.0023	0.0030	0.0030
10.	19:00-20:00	0.0031	0.0035	0.0028	0.0020	0.0015	0.0018	0.0023
11.	20:00-21:00	0.0018	0.0043	0.0020	0.0029	0.0022	0.0018	0.0031
12.	21:00-22:00	0.0027	0.0043	0.0038	0.0044	0.0014	0.0033	0.0033
13.	22:00-23:00	0.0027	0.0026	0.0026	0.0023	0.0017	0.0032	0.0032
14.	23:00-00:00	0.0018	0.0036	0.0019	0.0018	0.0015	0.0031	0.0024
15.	00:00-01:00	0.0024	0.0024	0.0019	0.0038	0.0021	0.0023	0.0033
16.	01:00-02:00	0.0024	0.0025	0.0027	0.0019	0.0015	0.0014	0.0031
17.	02:00-03:00	0.0018	0.0020	0.0018	0.0055	0.0013	0.0012	0.0032
18.	03:00-04:00	0.0015	0.0026	0.0025	0.0036	0.0013	0.0013	0.0025
19.	04:00-05:00	0.0028	0.0018	0.0011	0.0013	0.0014	0.0013	0.0015
20.	05:00-06:00	0.0011	0.0019	0.0010	0.0012	0.0022	0.0015	0.0016
21.	06:00-07:00	0.0012	0.0028	0.0027	0.0017	0.0015	0.0014	0.0018
22.	07:00-08:00	0.0028	0.0028	0.0027	0.0055	0.0015	0.0015	0.0015
23.	08:00-09:00	0.0037	0.0019	0.0036	0.0064	0.0015	0.0014	0.0015
24.	09:00-10:00	0.0026	0.0029	0.0028	0.0037	0.0014	0.0014	0.0016
Minimum		0.0011	0.0018	0.0010	0.0012	0.0013	0.0012	0.0015
Maximum		0.0038	0.0043	0.0046	0.0064	0.0060	0.0038	0.0044
Average		0.0024	0.0030	0.0028	0.0031	0.0024	0.0020	0.0024
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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## TEST REPORT

Customer Name : Thai Acrylic Fibre Co., Ltd. Report No. : 1465/2023/3-29  
Project : Acrylic Fiber Production Plant Project Report Date : May 29, 2023  
(Expansion 3<sup>rd</sup>) Sampling Date : May 15-22, 2023  
Address : No. 54 Moo 5 Sudbantad Road, T. Tan-Deaw Type of Sample : Ambient Air  
Kaengkhoi Saraburi 18110  
Contact : Tel. (036) 240-100 Ext. 444  
Job No. : S660162/May/1

Item	Time	Result						
		Ban Sung (A3)						
		NO <sub>2</sub> (ppm)						
		15-16/05/23	16-17/05/23	17-18/05/23	18-19/05/23	19-20/05/23	20-21/05/23	21-22/05/23
1.	13:00-14:00	0.0014	0.0028	0.0017	0.0010	0.0019	0.0029	0.0026
2.	14:00-15:00	0.0014	0.0023	0.0016	0.0011	0.0025	0.0023	0.0024
3.	15:00-16:00	0.0013	0.0018	0.0015	0.0010	0.0023	0.0030	0.0030
4.	16:00-17:00	0.0013	0.0022	0.0023	0.0008	0.0019	0.0020	0.0013
5.	17:00-18:00	0.0014	0.0021	0.0017	0.0017	0.0025	0.0013	0.0021
6.	18:00-19:00	0.0018	0.0027	0.0047	0.0029	0.0034	0.0017	0.0034
7.	19:00-20:00	0.0020	0.0017	0.0032	0.0025	0.0024	0.0016	0.0027
8.	20:00-21:00	0.0022	0.0015	0.0029	0.0020	0.0021	0.0030	0.0015
9.	21:00-22:00	0.0026	0.0023	0.0019	0.0022	0.0021	0.0030	0.0015
10.	22:00-23:00	0.0021	0.0019	0.0018	0.0014	0.0021	0.0015	0.0013
11.	23:00-00:00	0.0014	0.0019	0.0017	0.0016	0.0025	0.0028	0.0014
12.	00:00-01:00	0.0013	0.0015	0.0015	0.0020	0.0026	0.0027	0.0028
13.	01:00-02:00	0.0015	0.0013	0.0013	0.0017	0.0022	0.0026	0.0025
14.	02:00-03:00	0.0025	0.0014	0.0011	0.0016	0.0019	0.0024	0.0024
15.	03:00-04:00	0.0026	0.0018	0.0008	0.0018	0.0015	0.0022	0.0029
16.	04:00-05:00	0.0020	0.0017	0.0013	0.0020	0.0015	0.0013	0.0028
17.	05:00-06:00	0.0019	0.0016	0.0017	0.0011	0.0017	0.0013	0.0029
18.	06:00-07:00	0.0050	0.0022	0.0016	0.0014	0.0019	0.0012	0.0023
19.	07:00-08:00	0.0030	0.0019	0.0023	0.0010	0.0013	0.0012	0.0025
20.	08:00-09:00	0.0030	0.0026	0.0031	0.0016	0.0017	0.0018	0.0015
21.	09:00-10:00	0.0040	0.0028	0.0016	0.0021	0.0025	0.0014	0.0021
22.	10:00-11:00	0.0036	0.0022	0.0013	0.0019	0.0034	0.0012	0.0019
23.	11:00-12:00	0.0035	0.0014	0.0011	0.0017	0.0035	0.0018	0.0019
24.	12:00-13:00	0.0034	0.0016	0.0011	0.0017	0.0014	0.0024	0.0012
Minimum		0.0013	0.0013	0.0008	0.0008	0.0013	0.0012	0.0012
Maximum		0.0050	0.0028	0.0047	0.0029	0.0035	0.0030	0.0034
Average		0.0023	0.0020	0.0019	0.0017	0.0022	0.0020	0.0022
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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## TEST REPORT

Customer Name : Thai Acrylic Fibre Co., Ltd. Report No. : 1465/2023/4-29  
Project : Acrylic Fiber Production Plant Project Report Date : May 29, 2023  
(Expansion 3<sup>rd</sup>) Sampling Date : May 15-22, 2023  
Address : No. 54 Moo 5 Sudbantad Road, T. Tan-Deaw Type of Sample : Ambient Air  
Kaengkhoi Saraburi 18110  
Contact : Tel. (036) 240-100 Ext. 444  
Job No. : S660162/May/1

Item	Time	Result						
		Ban Lup Lao (Wat Jam Sil) (A4)						
		NO <sub>2</sub> (ppm)						
		15-16/05/23	16-17/05/23	17-18/05/23	18-19/05/23	19-20/05/23	20-21/05/23	21-22/05/23
1.	09:00-10:00	0.0021	0.0010	0.0016	0.0012	0.0034	0.0028	0.0047
2.	10:00-11:00	0.0016	0.0017	0.0019	0.0042	0.0013	0.0009	0.0045
3.	11:00-12:00	0.0020	0.0022	0.0017	0.0034	0.0020	0.0015	0.0052
4.	12:00-13:00	0.0022	0.0026	0.0021	0.0046	0.0017	0.0039	0.0065
5.	13:00-14:00	0.0028	0.0009	0.0022	0.0020	0.0012	0.0065	0.0029
6.	14:00-15:00	0.0026	0.0017	0.0018	0.0022	0.0009	0.0044	0.0048
7.	15:00-16:00	0.0009	0.0017	0.0031	0.0028	0.0044	0.0014	0.0014
8.	16:00-17:00	0.0016	0.0030	0.0018	0.0034	0.0066	0.0041	0.0048
9.	17:00-18:00	0.0025	0.0010	0.0012	0.0025	0.0036	0.0034	0.0016
10.	18:00-19:00	0.0018	0.0015	0.0012	0.0031	0.0050	0.0012	0.0068
11.	19:00-20:00	0.0030	0.0010	0.0046	0.0021	0.0064	0.0060	0.0022
12.	20:00-21:00	0.0034	0.0033	0.0008	0.0027	0.0010	0.0043	0.0012
13.	21:00-22:00	0.0021	0.0022	0.0009	0.0024	0.0010	0.0039	0.0028
14.	22:00-23:00	0.0013	0.0027	0.0011	0.0027	0.0071	0.0085	0.0016
15.	23:00-00:00	0.0012	0.0012	0.0015	0.0012	0.0064	0.0060	0.0016
16.	00:00-01:00	0.0010	0.0026	0.0012	0.0044	0.0040	0.0055	0.0009
17.	01:00-02:00	0.0011	0.0025	0.0017	0.0036	0.0046	0.0028	0.0016
18.	02:00-03:00	0.0007	0.0019	0.0022	0.0011	0.0036	0.0021	0.0011
19.	03:00-04:00	0.0012	0.0020	0.0042	0.0025	0.0045	0.0021	0.0008
20.	04:00-05:00	0.0016	0.0019	0.0029	0.0047	0.0041	0.0007	0.0011
21.	05:00-06:00	0.0007	0.0027	0.0022	0.0046	0.0041	0.0027	0.0017
22.	06:00-07:00	0.0008	0.0035	0.0013	0.0017	0.0058	0.0048	0.0009
23.	07:00-08:00	0.0023	0.0024	0.0038	0.0059	0.0036	0.0041	0.0010
24.	08:00-09:00	0.0023	0.0035	0.0009	0.0050	0.0063	0.0004	0.0057
Minimum		0.0007	0.0009	0.0008	0.0011	0.0009	0.0004	0.0008
Maximum		0.0034	0.0035	0.0046	0.0059	0.0071	0.0085	0.0068
Average		0.0018	0.0021	0.0020	0.0031	0.0039	0.0035	0.0028
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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## TEST REPORT

Customer Name : Thai Acrylic Fibre Co., Ltd.  
Project : Acrylic Fiber Production Plant Project  
(Expansion 3<sup>rd</sup>)  
Address : No. 54 Moo 5 Sudbantad Road, T. Tan-Deaw  
Kaengkhoi Saraburi 18110  
Contact : Tel. (036) 240-100 Ext. 444  
Job No. : S660162/May/1

Report No. : 1465/2023/5-29  
Report Date : May 29, 2023  
Sampling Date : May 15-22, 2023  
Type of Sample : Ambient Air

Item	Time	Ban Tan Deaw (Tan Deaw Village) (A1)						
		SO <sub>2</sub> (ppm)						
		15-16/05/23	16-17/05/23	17-18/05/23	18-19/05/23	19-20/05/23	20-21/05/23	21-22/05/23
1.	11:00-12:00	0.0026	0.0025	0.0027	0.0030	0.0030	0.0021	0.0027
2.	12:00-13:00	0.0023	0.0021	0.0025	0.0030	0.0025	0.0023	0.0033
3.	13:00-14:00	0.0025	0.0020	0.0029	0.0026	0.0028	0.0023	0.0026
4.	14:00-15:00	0.0035	0.0021	0.0028	0.0035	0.0029	0.0025	0.0026
5.	15:00-16:00	0.0040	0.0015	0.0031	0.0028	0.0028	0.0022	0.0025
6.	16:00-17:00	0.0042	0.0014	0.0028	0.0024	0.0027	0.0020	0.0029
7.	17:00-18:00	0.0040	0.0022	0.0027	0.0026	0.0027	0.0023	0.0030
8.	18:00-19:00	0.0022	0.0029	0.0028	0.0016	0.0026	0.0024	0.0027
9.	19:00-20:00	0.0024	0.0019	0.0021	0.0016	0.0025	0.0025	0.0029
10.	20:00-21:00	0.0025	0.0023	0.0023	0.0019	0.0020	0.0021	0.0033
11.	21:00-22:00	0.0022	0.0024	0.0018	0.0017	0.0018	0.0025	0.0030
12.	22:00-23:00	0.0020	0.0024	0.0017	0.0018	0.0019	0.0020	0.0024
13.	23:00-00:00	0.0020	0.0019	0.0020	0.0018	0.0024	0.0021	0.0022
14.	00:00-01:00	0.0019	0.0020	0.0015	0.0016	0.0025	0.0021	0.0023
15.	01:00-02:00	0.0023	0.0019	0.0016	0.0021	0.0026	0.0022	0.0024
16.	02:00-03:00	0.0025	0.0020	0.0019	0.0024	0.0027	0.0019	0.0024
17.	03:00-04:00	0.0018	0.0020	0.0019	0.0022	0.0025	0.0021	0.0023
18.	04:00-05:00	0.0018	0.0020	0.0018	0.0025	0.0024	0.0018	0.0024
19.	05:00-06:00	0.0017	0.0017	0.0023	0.0027	0.0025	0.0017	0.0030
20.	06:00-07:00	0.0017	0.0034	0.0020	0.0026	0.0023	0.0017	0.0029
21.	07:00-08:00	0.0018	0.0029	0.0019	0.0032	0.0024	0.0018	0.0029
22.	08:00-09:00	0.0018	0.0023	0.0029	0.0027	0.0023	0.0023	0.0026
23.	09:00-10:00	0.0027	0.0023	0.0026	0.0019	0.0024	0.0026	0.0026
24.	10:00-11:00	0.0027	0.0025	0.0028	0.0032	0.0024	0.0028	0.0025
Minimum		0.0017	0.0014	0.0015	0.0016	0.0018	0.0017	0.0022
Maximum		0.0042	0.0034	0.0031	0.0035	0.0030	0.0028	0.0033
Average		0.0025	0.0022	0.0023	0.0024	0.0025	0.0022	0.0027
Standard <sup>(1)</sup>		0.30						

Standard: <sup>(1)</sup> Notification of the National Environment Board No. 12 (1995) (B.E. 2538) and No. 21 (2001) (B.E. 2544)

Wannasiri S.

Wannasiri Suriyawong



Somchai P.

Somchai Piyavorasakul  
General Manager

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## TEST REPORT

Customer Name : Thai Acrylic Fibre Co., Ltd. Report No. : 1465/2023/6-29  
Project : Acrylic Fiber Production Plant Project Report Date : May 29, 2023  
(Expansion 3<sup>rd</sup>) Sampling Date : May 15-22, 2023  
Address : No. 54 Moo 5 Sudbantad Road, T. Tan-Deaw Type of Sample : Ambient Air  
Kaengkhoi Saraburi 18110  
Contact : Tel. (036) 240-100 Ext. 444  
Job No. : S660162/May/1

Item	Time	Ban Khon Hom (A2)						
		SO <sub>2</sub> (ppm)						
		15-16/05/23	16-17/05/23	17-18/05/23	18-19/05/23	19-20/05/23	20-21/05/23	21-22/05/23
1.	10:00-11:00	0.0035	0.0035	0.0027	0.0024	0.0027	0.0020	0.0024
2.	11:00-12:00	0.0034	0.0019	0.0021	0.0024	0.0029	0.0020	0.0022
3.	12:00-13:00	0.0033	0.0010	0.0024	0.0024	0.0032	0.0020	0.0018
4.	13:00-14:00	0.0042	0.0028	0.0024	0.0024	0.0026	0.0022	0.0019
5.	14:00-15:00	0.0034	0.0031	0.0021	0.0021	0.0032	0.0019	0.0022
6.	15:00-16:00	0.0035	0.0029	0.0019	0.0022	0.0027	0.0020	0.0025
7.	16:00-17:00	0.0036	0.0034	0.0021	0.0022	0.0025	0.0021	0.0034
8.	17:00-18:00	0.0035	0.0039	0.0023	0.0022	0.0024	0.0021	0.0041
9.	18:00-19:00	0.0036	0.0042	0.0020	0.0021	0.0022	0.0021	0.0040
10.	19:00-20:00	0.0036	0.0037	0.0023	0.0028	0.0011	0.0019	0.0036
11.	20:00-21:00	0.0034	0.0038	0.0023	0.0025	0.0019	0.0027	0.0025
12.	21:00-22:00	0.0034	0.0039	0.0026	0.0045	0.0020	0.0021	0.0023
13.	22:00-23:00	0.0032	0.0033	0.0026	0.0022	0.0020	0.0018	0.0021
14.	23:00-00:00	0.0032	0.0032	0.0028	0.0032	0.0023	0.0018	0.0020
15.	00:00-01:00	0.0037	0.0053	0.0032	0.0021	0.0028	0.0017	0.0026
16.	01:00-02:00	0.0041	0.0034	0.0026	0.0022	0.0026	0.0023	0.0024
17.	02:00-03:00	0.0038	0.0033	0.0026	0.0022	0.0022	0.0017	0.0024
18.	03:00-04:00	0.0027	0.0040	0.0021	0.0016	0.0024	0.0021	0.0022
19.	04:00-05:00	0.0032	0.0035	0.0024	0.0012	0.0026	0.0021	0.0024
20.	05:00-06:00	0.0034	0.0023	0.0025	0.0036	0.0023	0.0018	0.0019
21.	06:00-07:00	0.0043	0.0022	0.0019	0.0045	0.0024	0.0018	0.0022
22.	07:00-08:00	0.0045	0.0024	0.0021	0.0030	0.0026	0.0015	0.0025
23.	08:00-09:00	0.0037	0.0020	0.0023	0.0020	0.0022	0.0027	0.0021
24.	09:00-10:00	0.0021	0.0024	0.0025	0.0027	0.0020	0.0019	0.0045
Minimum		0.0021	0.0010	0.0019	0.0012	0.0011	0.0015	0.0018
Maximum		0.0045	0.0053	0.0032	0.0045	0.0032	0.0027	0.0045
Average		0.0035	0.0031	0.0024	0.0025	0.0024	0.0020	0.0026
Standard <sup>(1)</sup>		0.30						

Standard: <sup>(1)</sup> Notification of the National Environment Board No. 12 (1995) (B.E. 2538) and No. 21 (2001) (B.E. 2544)

*Wannasiri S.*  
Wannasiri Suriyawong



*Somchai P.*  
Somchai Piyavorasakul  
General Manager

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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

## TEST REPORT

Customer Name : Thai Acrylic Fibre Co., Ltd.  
Project : Acrylic Fiber Production Plant Project  
(Expansion 3<sup>rd</sup>)  
Address : No. 54 Moo 5 Sudbantad Road, T. Tan-Deaw  
Kaengkhoei Saraburi 18110  
Contact : Tel. (036) 240-100 Ext. 444  
Job No. : S660162/May/1

Report No. : 1465/2023/7-29  
Report Date : May 29, 2023  
Sampling Date : May 15-22, 2023  
Type of Sample : Ambient Air

Item	Time	Ban Sung (A3)						
		SO <sub>2</sub> (ppm)						
		15-16/05/23	16-17/05/23	17-18/05/23	18-19/05/23	19-20/05/23	20-21/05/23	21-22/05/23
1.	13:00-14:00	0.0023	0.0021	0.0012	0.0021	0.0013	0.0016	0.0021
2.	14:00-15:00	0.0025	0.0018	0.0012	0.0016	0.0021	0.0012	0.0019
3.	15:00-16:00	0.0019	0.0017	0.0024	0.0017	0.0023	0.0012	0.0018
4.	16:00-17:00	0.0017	0.0014	0.0021	0.0014	0.0019	0.0013	0.0018
5.	17:00-18:00	0.0021	0.0020	0.0013	0.0015	0.0017	0.0012	0.0017
6.	18:00-19:00	0.0016	0.0021	0.0021	0.0014	0.0021	0.0013	0.0017
7.	19:00-20:00	0.0018	0.0022	0.0017	0.0013	0.0019	0.0012	0.0017
8.	20:00-21:00	0.0014	0.0013	0.0020	0.0014	0.0019	0.0012	0.0013
9.	21:00-22:00	0.0020	0.0015	0.0015	0.0014	0.0023	0.0014	0.0014
10.	22:00-23:00	0.0019	0.0017	0.0013	0.0018	0.0027	0.0012	0.0013
11.	23:00-00:00	0.0020	0.0021	0.0021	0.0022	0.0025	0.0011	0.0015
12.	00:00-01:00	0.0019	0.0014	0.0014	0.0015	0.0022	0.0013	0.0013
13.	01:00-02:00	0.0017	0.0021	0.0018	0.0019	0.0020	0.0022	0.0013
14.	02:00-03:00	0.0017	0.0015	0.0017	0.0017	0.0015	0.0020	0.0014
15.	03:00-04:00	0.0012	0.0019	0.0019	0.0020	0.0014	0.0012	0.0012
16.	04:00-05:00	0.0016	0.0013	0.0017	0.0017	0.0015	0.0014	0.0012
17.	05:00-06:00	0.0022	0.0017	0.0019	0.0017	0.0014	0.0014	0.0012
18.	06:00-07:00	0.0021	0.0019	0.0017	0.0018	0.0015	0.0014	0.0013
19.	07:00-08:00	0.0020	0.0015	0.0012	0.0020	0.0017	0.0015	0.0021
20.	08:00-09:00	0.0018	0.0017	0.0016	0.0025	0.0016	0.0015	0.0019
21.	09:00-10:00	0.0017	0.0017	0.0014	0.0018	0.0026	0.0013	0.0017
22.	10:00-11:00	0.0021	0.0023	0.0021	0.0016	0.0022	0.0014	0.0018
23.	11:00-12:00	0.0017	0.0015	0.0020	0.0024	0.0013	0.0013	0.0019
24.	12:00-13:00	0.0022	0.0017	0.0024	0.0015	0.0017	0.0015	0.0020
Minimum		0.0012	0.0013	0.0012	0.0013	0.0013	0.0011	0.0012
Maximum		0.0025	0.0023	0.0024	0.0025	0.0027	0.0022	0.0021
Average		0.0019	0.0018	0.0017	0.0017	0.0019	0.0014	0.0016
Standard <sup>(1)</sup>		0.30						

Standard: <sup>(1)</sup> Notification of the National Environment Board No. 12 (1995) (B.E. 2538) and No. 21 (2001) (B.E. 2544)

Wannasiri S.  
Wannasiri Suriyawong



Somchai P.  
Somchai Piyavorasakul  
General Manager

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# Thai Environmental Technic Limited

## บริษัท เทคโนโลยีสิ่งแวดล้อมไทย จำกัด

ORIGINAL

ต้นฉบับ

1/6 Soi Ramkhamhaeng 145, Khwaeng / Khet Saphansung, Bangkok 10240

E-mail : admin@tet1995.com

1/6 ซอยรามคำแหง 145 แขวงสะพานสูง เขตสะพานสูง กรุงเทพมหานคร 10240

Tel : 0-2373-7799 (Auto) Fax : 0-2373-7979

### TEST REPORT

Customer Name : Thai Acrylic Fibre Co., Ltd. Report No. : 1465/2023/8-29  
 Project : Acrylic Fiber Production Plant Project Report Date : May 29, 2023  
 (Expansion 3<sup>rd</sup>) Sampling Date : May 15-22, 2023  
 Address : No. 54 Moo 5 Sudbantad Road, T. Tan-Deaw Type of Sample : Ambient Air  
 Kaengkhoi Saraburi 18110  
 Contact : Tel. (036) 240-100 Ext. 444  
 Job No. : S660162/May/1

Item	Time	Ban Lup Lao (Wat Jam Sil) (A4)						
		SO <sub>2</sub> (ppm)						
		15-16/05/23	16-17/05/23	17-18/05/23	18-19/05/23	19-20/05/23	20-21/05/23	21-22/05/23
1.	09:00-10:00	0.0017	0.0014	0.0014	0.0015	0.0026	0.0020	0.0022
2.	10:00-11:00	0.0020	0.0015	0.0016	0.0015	0.0025	0.0017	0.0019
3.	11:00-12:00	0.0019	0.0016	0.0016	0.0015	0.0022	0.0022	0.0020
4.	12:00-13:00	0.0016	0.0014	0.0015	0.0016	0.0017	0.0023	0.0019
5.	13:00-14:00	0.0019	0.0015	0.0018	0.0016	0.0018	0.0015	0.0017
6.	14:00-15:00	0.0019	0.0014	0.0017	0.0014	0.0019	0.0018	0.0020
7.	15:00-16:00	0.0017	0.0014	0.0014	0.0014	0.0016	0.0014	0.0021
8.	16:00-17:00	0.0014	0.0019	0.0014	0.0014	0.0014	0.0014	0.0026
9.	17:00-18:00	0.0016	0.0014	0.0017	0.0019	0.0020	0.0021	0.0020
10.	18:00-19:00	0.0014	0.0017	0.0020	0.0016	0.0017	0.0016	0.0020
11.	19:00-20:00	0.0015	0.0014	0.0015	0.0015	0.0014	0.0014	0.0019
12.	20:00-21:00	0.0015	0.0014	0.0015	0.0015	0.0024	0.0014	0.0022
13.	21:00-22:00	0.0015	0.0014	0.0015	0.0018	0.0015	0.0015	0.0023
14.	22:00-23:00	0.0015	0.0015	0.0016	0.0016	0.0014	0.0014	0.0021
15.	23:00-00:00	0.0015	0.0014	0.0016	0.0016	0.0015	0.0016	0.0018
16.	00:00-01:00	0.0015	0.0016	0.0014	0.0015	0.0016	0.0018	0.0021
17.	01:00-02:00	0.0014	0.0015	0.0015	0.0015	0.0015	0.0019	0.0022
18.	02:00-03:00	0.0015	0.0016	0.0014	0.0014	0.0018	0.0019	0.0024
19.	03:00-04:00	0.0016	0.0018	0.0014	0.0015	0.0021	0.0022	0.0024
20.	04:00-05:00	0.0014	0.0015	0.0015	0.0015	0.0020	0.0025	0.0022
21.	05:00-06:00	0.0013	0.0013	0.0015	0.0014	0.0020	0.0020	0.0025
22.	06:00-07:00	0.0015	0.0018	0.0014	0.0015	0.0020	0.0018	0.0025
23.	07:00-08:00	0.0014	0.0015	0.0014	0.0016	0.0024	0.0027	0.0030
24.	08:00-09:00	0.0015	0.0014	0.0018	0.0019	0.0020	0.0022	0.0021
Minimum		0.0013	0.0013	0.0014	0.0014	0.0014	0.0014	0.0017
Maximum		0.0020	0.0019	0.0020	0.0019	0.0026	0.0027	0.0030
Average		0.0016	0.0015	0.0015	0.0015	0.0019	0.0018	0.0022
Standard <sup>(1)</sup>		0.30						

Standard: <sup>(1)</sup> Notification of the National Environment Board No. 12 (1995) (B.E. 2538) and No. 21 (2001) (B.E. 2544)

Wannasiri S.

Wannasiri Suriyawong



Somchai P.

Somchai Piyavorasakul  
General Manager

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## TEST REPORT

Customer Name : Thai Acrylic Fibre Co., Ltd. Report No. : 1465/2023/9-29  
Project : Acrylic Fiber Production Plant Project Report Date : May 29, 2023  
(Expansion 3<sup>rd</sup>) Sampling Date : May 15-22, 2023  
Address : No. 54 Moo 5 Sudbantad Road, T. Tan-Deaw Type of Sample : Ambient Air  
Kaengkhoi Saraburi 18110  
Contact : Tel. (036) 240-100 Ext. 444  
Job No. : S660162/May/1

Item	Sampling Date	Result			
		SO <sub>2</sub> <sup>(24 hr)</sup> (ppm)			
		Ban Tan Deaw (Tan Deaw Village) (A1)	Ban Khon Hom (A2)	Ban Sung (A3)	Ban Lup Lao (Wat Jam Sil) (A4)
1.	15-16/05/23	0.0025	0.0035	0.0019	0.0016
2.	16-17/05/23	0.0022	0.0031	0.0018	0.0015
3.	17-18/05/23	0.0023	0.0024	0.0017	0.0015
4.	18-19/05/23	0.0024	0.0025	0.0017	0.0015
5.	19-20/05/23	0.0025	0.0024	0.0019	0.0019
6.	20-21/05/23	0.0022	0.0020	0.0014	0.0018
7.	21-22/05/23	0.0027	0.0026	0.0016	0.0022
Standard <sup>(1)</sup>		0.12			

Standard: <sup>(1)</sup> Notification of the National Environment Board No. 10 (1995) (B.E. 2538) and No. 24 (2004) (B.E. 2547)

Remark : Reference to Notification of Pollution Control Department On other Measuring Instruments and Method for Ambient Gas or Particulates as Approved by Pollution Control Department. (2019) (B.E. 2562)

Wannasiri S.

Wannasiri Suriyawong



Somchai P.

Somchai Piyavorasakul  
General Manager

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## TEST REPORT

**Analysis No. :** R23-0229  
**Received Date:** 30/01/23  
**Customer :** Technical Division of Thai Environmental Technic Limited  
For Thai Acrylic Fibre Co., Ltd./Acrylic Fiber Production Plant Project (Expansion 3<sup>rd</sup>)  
**Address :** No. 54 Moo 5 Sudbantad Road, T. Tan-Deaw,  
Kaengkhoi, Saraburi 18110  
**Contact :** Tel. (036) 240 100 Ext. 444 E-mail : sompob.pheungsungwan@adityabirla.com

**Report Date :** 07/02/23  
**Analysis Date :** 31/01-01/02/23  
**Job No. :** S660162/Jan  
**Sampling By :** TET  
**Type of Sample :** Ambient Air

Sampling Point	Sample No.	Sampling Date	Result	
			Acrylonitrile ( $\mu\text{g}/\text{m}^3$ )	Vinyl Acetate ( $\mu\text{g}/\text{m}^3$ )
Tan Deaw of Tambon Health Promotion Hospital (47P 0712033 UTM 1611731)	2301-AA0533	26-27/01/23	3.47	-
Fence of North (47P 0712468 UTM 1611729)	2301-AA0534	26-27/01/23	3.01	1.09
Fence of South (47P 0712044 UTM 1611184)	2301-AA0535	26-27/01/23	5.69	1.51
Fence of East (47P 0712470 UTM 1611281)	2301-AA0536	26-27/01/23	7.33	1.50
Fence of West (47P 0712157 UTM 1611223)	2301-AA0537	26-27/01/23	8.07	10.32
Standard			10	-

**Remarks** : Concentration of each gas in Ambient is based on 1 atm and 25 °C  
**Method** : Acrylonitrile = Canister, GC/MS (US.EPA Method TO-15)  
Vinyl Acetate = Canister, GC/MS (US.EPA Method TO-15)  
**Standard** : Notification of Pollution Control Department (2009) (B.E. 2552) : 24 hours

Reviewed by

Ms. Wareerut Prachumdaeng  
Chief of Laboratory  
07/02/23



Approved by

Mrs. Pomtip Pethshee  
Laboratory Manager  
07/02/23

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

Analysis No. : R23-0493

Received Date: 20/02/23

Customer : Technical Division of Thai Environmental Technic Limited

For Thai Acrylic Fibre Co., Ltd./Acrylic Fiber Production Plant Project (Expansion 3<sup>rd</sup>)

Address : No. 54 Moo 5 Sudbantad Road, T. Tan-Deaw,  
Kaengkhoi, Saraburi 18110

Contact : Tel. (036) 240 100 Ext. 444 E-mail : sompob.pheungsungwan@adityabirla.com

Report Date : 27/02/23

Analysis Date : 21-22/02/23

Job No. : S660162/Feb

Sampling By : TET

Type of Sample : Ambient Air

Sampling Point	Sample No.	Sampling Date	Result	
			Acrylonitrile ( $\mu\text{g}/\text{m}^3$ )	Vinyl Acetate ( $\mu\text{g}/\text{m}^3$ )
Tan Deaw of Tambon Health Promotion Hospital (47P 0712033 UTM 1611731)	2302-AA0821	16-17/02/23	< 0.11	-
Fence of North (47P 0712468 UTM 1611729)	2302-AA0822	16-17/02/23	< 0.11	< 0.18
Fence of South (47P 0712044 UTM 1611184)	2302-AA0823	16-17/02/23	5.72	0.77
Fence of East (47P 0712470 UTM 1611281)	2302-AA0824	16-17/02/23	< 0.11	< 0.18
Fence of West (47P 0712157 UTM 1611223)	2302-AA0825	16-17/02/23	6.34	1.93
Standard			10	-

Remarks : Concentration of each gas in Ambient is based on 1 atm and 25 °C  
Method : Acrylonitrile = Canister, GC/MS (US.EPA Method TO-15)  
Vinyl Acetate = Canister, GC/MS (US.EPA Method TO-15)  
Standard : Notification of Pollution Control Department (2009) (B.E. 2552) : 24 hours

Reviewed by

Ms. Wareerut Prachumdaeng  
Chief of Laboratory  
27/02/23



Approved by

Mrs. Pornpip Pethshee  
Laboratory Manager  
27/02/23

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## TEST REPORT

**Analysis No.** : R23-0754

**Received Date** : 13/03/23

**Customer** : Technical Division of Thai Environmental Technic Limited

For Thai Acrylic Fibre Co., Ltd./Acrylic Fiber Production Plant Project (Expansion 3<sup>rd</sup>)

**Address** : No. 54 Moo 5 Sudbantad Road, T. Tan-Deaw,  
Kaengkhohi, Saraburi 18110

**Contact** : Tel. (036) 240 100 Ext. 444 E-mail : sompob.pheungsungwan@adityabirla.com

**Report Date** : 20/03/23

**Analysis Date** : 14-15/03/23

**Job No.** : S660162/Mar

**Sampling By** : TET

**Type of Sample** : Ambient Air

Sampling Point	Sample No.	Sampling Date	Result	
			Acrylonitrile ( $\mu\text{g}/\text{m}^3$ )	Vinyl Acetate ( $\mu\text{g}/\text{m}^3$ )
Tan Deaw of Tambon Health Promotion Hospital (47P 0711933 UTM 1611730)	2303-AA0330	09-10/03/23	2.37	-
Fence of North (47P 0712468 UTM 1611729)	2303-AA0331	09-10/03/23	6.81	5.82
Fence of South (47P 0712240 UTM 1611186)	2303-AA0332	09-10/03/23	6.52	6.12
Fence of East (47P 0712559 UTM 1611372)	2303-AA0333	09-10/03/23	6.02	0.78
Fence of West (47P 0712157 UTM 1611223)	2303-AA0334	09-10/03/23	8.25	15.50
Standard			10	-

**Remarks** : Concentration of each gas in Ambient is based on 1 atm and 25 °C

**Method** : Acrylonitrile = Canister, GC/MS (US.EPA Method TO-15)

Vinyl Acetate = Canister, GC/MS (US.EPA Method TO-15)

**Standard** : Notification of Pollution Control Department (2009) (B.E. 2552) : 24 hours

Reviewed by

Ms. Wareerut Prachumdaeng  
Chief of Laboratory  
20/03/23



Approved by

Mrs. Pornpip Pethshee  
Laboratory Manager  
20/03/23

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

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## TEST REPORT

**Analysis No.** : R23-1032

**Received Date** : 07/04/23

**Customer** : Technical Division of Thai Environmental Technic Limited

For Thai Acrylic Fibre Co., Ltd./Acrylic Fiber Production Plant Project (Expansion 3<sup>rd</sup>)

**Address** : No. 54 Moo 5 Sudbantad Road, T. Tan-Deaw,  
Kaengkhoi, Saraburi 18110

**Contact** : Tel. (036) 240 100 Ext. 444 E-mail : sompob.pheungsungwan@adityabirla.com

**Report Date** : 18/04/23

**Analysis Date** : 08-10/04/23

**Job No.** : S660162/Apr

**Sampling By** : TET

**Type of Sample** : Ambient Air

Sampling Point	Sample No.	Sampling Date	Result	
			Acrylonitrile ( $\mu\text{g}/\text{m}^3$ )	Vinyl Acetate ( $\mu\text{g}/\text{m}^3$ )
Tan Deaw of Tambon Health Promotion Hospital (47P 0711933 UTM 1611730)	2304-AA0354	05-06/04/23	< 0.11	-
Fence of North (47P 0712468 UTM 1611729)	2304-AA0355	05-06/04/23	6.62	3.69
Fence of South (47P 0712240 UTM 1611186)	2304-AA0356	05-06/04/23	< 0.11	< 0.18
Fence of East (47P 0712559 UTM 1611372)	2304-AA0357	05-06/04/23	2.85	< 0.18
Fence of West (47P 0712157 UTM 1611223)	2304-AA0358	05-06/04/23	< 0.11	< 0.18
Standard			10	-

**Remarks** : Concentration of each gas in Ambient is based on 1 atm and 25 °C  
**Method** : Acrylonitrile = Canister, GC/MS (US.EPA Method TO-15)  
Vinyl Acetate = Canister, GC/MS (US.EPA Method TO-15)  
**Standard** : Notification of Pollution Control Department (2009) (B.E. 2552) : 24 hours

Reviewed by

Ms. Wareerut Prachumdaeng  
Chief of Laboratory  
18/04/23



Approved by

Mrs. Pornpip Pethshee  
Laboratory Manager  
18/04/23

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## TEST REPORT

Analysis No. : R23-1416

Received Date : 15/05/23

Customer : Technical Division of Thai Environmental Technic Limited

For Thai Acrylic Fibre Co., Ltd./Acrylic Fiber Production Plant Project (Expansion 3<sup>rd</sup>)

Address : No. 54 Moo 5 Sudbantad Road, T. Tan-Deaw,  
Kaengkhoi, Saraburi 18110

Contact : Tel. (036) 240 100 Ext. 444 E-mail : sompob.pheungsungwan@adityabirla.com

Report Date : 09/06/23

Analysis Date : 22-23/05/23

Job No. : S660162/May

Sampling By : TET

Type of Sample : Ambient Air

Sampling Point	Sample No.	Sampling Date	Result	
			Acrylonitrile ( $\mu\text{g}/\text{m}^3$ )	Vinyl Acetate ( $\mu\text{g}/\text{m}^3$ )
Tan Deaw of Tambon Health Promotion Hospital (47P 0711933 UTM 1611730)	2305-AA0666	11-12/05/23	2.41	-
Fence of North (47P 0712468 UTM 1611729)	2305-AA0667	11-12/05/23	-	2.88
Fence of South (47P 0712240 UTM 1611186)	2305-AA0668	11-12/05/23	< 0.11	< 0.18
Fence of East (47P 0712559 UTM 1611372)	2305-AA0669	11-12/05/23	2.95	2.28
Fence of West (47P 0712157 UTM 1611223)	2305-AA0670	11-12/05/23	< 0.11	< 0.18
Standard			10	-

Remarks : Concentration of each gas in Ambient is based on 1 atm and 25 °C  
Method : Acrylonitrile = Canister, GC/MS (US.EPA Method TO-15)  
Vinyl Acetate = Canister, GC/MS (US.EPA Method TO-15)  
Standard : Notification of Pollution Control Department (2009) (B.E. 2552) : 24 hours

Reviewed by

Ms. Wareerut Prachumdaeng  
Chief of Laboratory  
09/06/23



Approved by

Mrs. Porntip Pethshee  
Laboratory Manager  
09/06/23

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## TEST REPORT

**Analysis No.** : R23-1568  
**Received Date** : 29/05/23  
**Customer** : Technical Division of Thai Environmental Technic Limited  
For Thai Acrylic Fibre Co., Ltd./Acrylic Fiber Production Plant Project (Expansion 3<sup>rd</sup>)  
**Address** : No. 54 Moo 5 Sudbantad Road, T. Tan-Deaw,  
Kaengkhoi, Saraburi 18110  
**Contact** : Tel. (036) 240 100 Ext. 444 E-mail : sompob.pheungsungwan@adityabirla.com

**Report Date** : 01/06/23  
**Analysis Date** : 01/06/23  
**Job No.** : S660162/May/2  
**Sampling By** : TET  
**Type of Sample** : Ambient Air

Sampling Point	Sample No.	Sampling Date	Result	Analysis Date
			Acrylonitrile ( $\mu\text{g}/\text{m}^3$ )	
Fence of North (47P 0712468 UTM 1611729)	2305-AA1360	25-26/05/23	8.88	01/06/23
Standard			10	

**Remarks** : Concentration of each gas in Ambient is based on 1 atm and 25 °C  
**Method** : Acrylonitrile = Canister, GC/MS (US.EPA Method TO-15)  
**Standard** : Notification of Pollution Control Department (2009) (B.E. 2552) : 24 hours

Reviewed by

Ms. Wareerut Prachumdaeng

Chief of Laboratory

01/06/23



Approved by

Mrs. Pornpip Pethshee

Laboratory Manager

01/06/23

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## TEST REPORT

**Analysis No.** : R23-1739

**Report Date** : 20/06/23

**Received Date** : 12/06/23

**Analysis Date** : 13-14/06/23

**Customer** : Technical Division of Thai Environmental Technic Limited

**Job No.** : S660162/June

For Thai Acrylic Fibre Co., Ltd./Acrylic Fiber Production Plant Project (Expansion 3<sup>rd</sup>)

**Sampling By** : TET

**Address** : No. 54 Moo 5 Sudbantad Road, T. Tan-Deaw,  
Kaengkhoi, Saraburi 18110

**Type of Sample** : Ambient Air

**Contact** : Tel. (036) 240 100 Ext. 444 E-mail : sompob.pheungsungwan@adityabirla.com

Sampling Point	Sample No.	Sampling Date	Result	
			Acrylonitrile ( $\mu\text{g}/\text{m}^3$ )	Vinyl Acetate ( $\mu\text{g}/\text{m}^3$ )
Tan Deaw of Tambon Health Promotion Hospital (47P 0711933 UTM 1611730)	2306-AA0348	08-09/06/23	3.59	-
Fence of North (47P 0712468 UTM 1611729)	2306-AA0349	08-09/06/23	5.54	0.75
Fence of South (47P 0712240 UTM 1611186)	2306-AA0350	08-09/06/23	< 0.11	< 0.18
Fence of East (47P 0712559 UTM 1611372)	2306-AA0351	08-09/06/23	< 0.11	< 0.18
Fence of West (47P 0712157 UTM 1611223)	2306-AA0352	08-09/06/23	< 0.11	< 0.18
Standard			10	-

**Remarks** : Concentration of each gas in Ambient is based on 1 atm and 25 °C

**Method** : Acrylonitrile = Canister, GC/MS (US.EPA Method TO-15)

Vinyl Acetate = Canister, GC/MS (US.EPA Method TO-15)

**Standard** : Notification of Pollution Control Department (2009) (B.E. 2552) : 24 hours

Reviewed by

Ms. Wareerut Prachumdaeng  
Chief of Laboratory  
12/06/23



Approved by

Mrs. Pornpip Pethshee  
Laboratory Manager  
20/06/23

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## TEST REPORT

Customer Name : Thai Acrylic Fibre Co., Ltd.  
Project : Acrylic Fiber Production Plant Project  
(Expansion 3<sup>rd</sup>)  
Address : No. 54 Moo 5 Sudbantad Road, T. Tan-Deaw  
Kaengkhoh Saraburi 18110  
Contact : Tel. (036) 240-100 Ext. 444  
Job No. : S660162/May/1

Report No. : 1465/2023/10-29  
Report Date : May 29, 2023  
Sampling Date : May 15-22, 2023  
Type of Sample : WS & WD

Item	Time	Result													
		Ban Tan Deaw (Tan Deaw Village) (A1)													
		15-16/05/23		16-17/05/23		17-18/05/23		18-19/05/23		19-20/05/23		20-21/05/23		21-22/05/23	
		WS	WD	WS	WD	WS	WD	WS	WD	WS	WD	WS	WD	WS	WD
1.	11:00-12:00	0.4	SSW	0.4	SSW	0.4	SSW	0.4	SSW	0.0	NW	0.4	S	0.4	SW
2.	12:00-13:00	0.4	SSW	0.4	SSE	0.4	NNW	0.4	SSW	0.4	SSW	0.4	SW	0.0	SW
3.	13:00-14:00	0.0	SSW	0.4	SSW	0.4	NW	0.4	SSW	0.4	SSW	0.4	NNW	0.4	SSW
4.	14:00-15:00	0.4	SSW	0.4	SSW	0.4	NNW	0.4	SW	0.4	SSW	0.4	S	0.9	SSW
5.	15:00-16:00	0.4	WSW	0.4	N	0.4	W	0.4	WNW	0.4	N	0.4	SSW	0.4	SW
6.	16:00-17:00	0.4	SW	0.0	WNW	0.4	NNW	0.4	N	0.4	WNW	0.0	SSW	0.4	S
7.	17:00-18:00	0.4	SSW	0.0	NNW	0.0	SSW	0.0	SSW	0.0	WNW	0.0	NNW	0.0	SSE
8.	18:00-19:00	0.0	SSW	0.0	NNW	0.0	W	0.0	NNW	0.0	SSW	0.0	WSW	0.4	SW
9.	19:00-20:00	0.0	SSW	0.0	NNW	0.0	SW	0.0	NNW	0.0	SSW	0.0	SW	0.0	SSW
10.	20:00-21:00	0.4	SW	0.0	NNW	0.0	SW	0.0	NNW	0.0	SSW	0.0	SW	0.4	SW
11.	21:00-22:00	0.0	SSW	0.0	SSW	0.0	SW	0.0	NNW	0.0	SSW	0.4	SW	0.4	SW
12.	22:00-23:00	0.0	SSW	0.0	SW	0.0	SW	0.0	NNW	0.0	SSE	0.0	SW	0.4	SSW
13.	23:00-00:00	0.0	SSW	0.0	SW	0.4	SW	0.4	SSW	0.4	SW	0.4	SW	0.4	SSW
14.	00:00-01:00	0.4	SSW	0.4	S	0.0	SW	0.0	SW	0.4	SW	0.0	WSW	0.4	SSW
15.	01:00-02:00	0.0	SSW	0.0	SW	0.4	SW	0.0	SW	0.0	SW	0.0	SSW	0.4	SW
16.	02:00-03:00	0.0	SSW	0.0	SSE	0.0	SW	0.4	SW	0.4	S	0.0	SSW	0.0	SSW
17.	03:00-04:00	0.4	SSW	0.4	SSW	0.4	SW	0.0	SW	0.0	S	0.0	SE	0.0	SE
18.	04:00-05:00	0.0	SSW	0.0	S	0.0	SW	0.0	SW	0.0	S	0.0	SE	0.0	ESE
19.	05:00-06:00	0.0	SSW	0.0	S	0.0	SW	0.0	SW	0.0	SSW	0.0	W	0.0	ESE
20.	06:00-07:00	0.0	SSW	0.0	S	0.0	SW	0.0	SW	0.0	SSW	0.0	WSW	0.0	ESE
21.	07:00-08:00	0.0	SSW	0.0	SSW	0.0	SSW	0.0	SW	0.4	S	0.0	SW	0.0	S
22.	08:00-09:00	0.0	ESE	0.0	S	0.0	SW	0.0	SW	0.4	SW	0.9	SSW	0.9	SW
23.	09:00-10:00	0.0	SSW	0.0	SW	0.0	SW	0.0	SW	0.4	SW	0.4	ESE	0.9	SW
24.	10:00-11:00	0.4	S	0.0	NW	0.4	NNW	0.0	SW	0.4	SSW	0.9	S	0.4	SW
Average		0.2	-	0.1	-	0.2	-	0.1	-	0.2	-	0.2	-	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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## TEST REPORT

Customer Name : Thai Acrylic Fibre Co., Ltd.  
Project : Acrylic Fiber Production Plant Project  
(Expansion 3<sup>rd</sup>)  
Address : No. 54 Moo 5 Sudbantad Road, T. Tan-Deaw  
Kaengkhoi Saraburi 18110  
Contact : Tel. (036) 240-100 Ext. 444  
Job No. : S660162/May/1

Report No. : 1465/2023/11-29  
Report Date : May 29, 2023  
Sampling Date : May 15-22, 2023  
Type of Sample : WS & WD

Item	Time	Result													
		Ban Khon Horm (A2)													
		15-16/05/23		16-17/05/23		17-18/05/23		18-19/05/23		19-20/05/23		20-21/05/23		21-22/05/23	
		WS	WD	WS	WD	WS	WD	WS	WD	WS	WD	WS	WD	WS	WD
1.	10:00-11:00	0.0	SE	0.0	NNW	0.0	N	0.4	SE	0.0	SE	0.0	NNW	0.9	NNW
2.	11:00-12:00	0.0	NW	0.0	SE	0.0	NE	0.4	N	0.0	SE	0.0	NNW	0.9	NNW
3.	12:00-13:00	0.4	SSE	0.0	S	0.0	SSE	0.0	N	0.0	SE	0.0	SE	0.4	NNW
4.	13:00-14:00	0.0	N	0.0	SSE	0.4	SE	0.0	NNW	0.0	SSE	0.0	N	0.4	N
5.	14:00-15:00	0.0	N	0.0	NNW	0.0	N	0.4	N	0.4	NNW	0.0	N	0.0	NNW
6.	15:00-16:00	0.0	NNE	0.0	N	0.0	N	0.0	NNE	0.0	NE	0.4	N	0.4	N
7.	16:00-17:00	0.0	NE	0.4	N	0.0	SE	0.0	SSE	0.0	N	0.0	NNE	0.0	NNE
8.	17:00-18:00	0.0	NW	0.0	N	0.0	NNE	0.0	NNE	0.0	N	0.0	N	0.0	NNW
9.	18:00-19:00	0.0	NNE	0.4	N	0.0	N	0.0	NNE	0.0	N	0.0	N	0.4	NNW
10.	19:00-20:00	0.0	NE	0.0	N	0.0	NNE	0.0	NNE	0.0	N	0.0	N	0.0	NNW
11.	20:00-21:00	0.9	NW	0.0	N	0.0	N	0.0	NNE	0.0	N	0.0	N	0.0	NNW
12.	21:00-22:00	0.0	NNW	0.0	N	0.0	NNE	0.0	NNE	0.0	N	0.0	NNE	0.4	NNW
13.	22:00-23:00	0.9	NNW	0.0	NNW	0.0	N	0.0	NNE	0.0	N	0.0	N	0.4	NNW
14.	23:00-00:00	0.4	NW	0.0	NNW	0.9	NNW	0.0	NNW	0.0	N	0.0	N	0.4	NNW
15.	00:00-01:00	0.0	NW	0.4	NNW	0.4	NNW	0.0	NNW	0.4	NNW	0.0	N	0.0	NNW
16.	01:00-02:00	0.0	NW	0.0	NNW	0.0	NNW	0.0	NNW	0.9	NNW	0.0	NW	0.0	NNW
17.	02:00-03:00	0.0	NW	0.0	NNW	0.0	NNW	0.4	NNW	0.0	NNW	0.0	NW	0.4	NNW
18.	03:00-04:00	0.4	NW	0.0	NNW	0.0	NNW	0.0	NNW	0.9	NNW	0.9	NNW	0.0	NNW
19.	04:00-05:00	0.0	NW	0.9	NNW	0.0	N	0.0	NNW	0.0	NNW	0.0	N	0.4	NNW
20.	05:00-06:00	0.0	NW	0.4	NNW	0.0	N	0.4	NNW	0.0	NNW	0.0	NNW	0.0	NNW
21.	06:00-07:00	0.9	NNW	0.0	NNW	0.0	N	0.0	NNW	0.0	NNW	0.0	NNW	0.0	N
22.	07:00-08:00	0.0	NNW	0.0	NNW	0.0	N	0.0	NNW	0.0	NNW	0.0	NNW	0.0	NNW
23.	08:00-09:00	0.0	N	0.0	NW	0.0	NNW	0.0	NW	0.4	NW	0.9	NNW	0.4	NNW
24.	09:00-10:00	0.0	N	0.0	N	0.0	NNW	0.0	NNE	0.0	NW	0.9	NNW	0.9	NNW
Average		0.2	-	0.1	-	0.1	-	0.1	-	0.1	-	0.1	-	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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## TEST REPORT

Customer Name : Thai Acrylic Fibre Co., Ltd.  
Project : Acrylic Fiber Production Plant Project  
(Expansion 3<sup>rd</sup>)  
Address : No. 54 Moo 5 Sudbantad Road, T. Tan-Deaw  
Kaengkhoi Saraburi 18110  
Contact : Tel. (036) 240-100 Ext. 444  
Job No. : S660162/May/1

Report No. : 1465/2023/12-29  
Report Date : May 29, 2023  
Sampling Date : May 15-22, 2023  
Type of Sample : WS & WD

Item	Time	Result													
		Ban Sung (A3)													
		15-16/05/23		16-17/05/23		17-18/05/23		18-19/05/23		19-20/05/23		20-21/05/23		21-22/05/23	
		WS	WD	WS	WD	WS	WD	WS	WD	WS	WD	WS	WD	WS	WD
1.	13:00-14:00	0.9	WNW	0.0	NNW	0.0	SW	0.4	N	0.4	NNW	0.4	N	0.4	SW
2.	14:00-15:00	0.4	W	0.0	E	0.4	NW	0.4	NW	0.4	SW	0.4	NNW	0.4	SE
3.	15:00-16:00	0.9	WSW	0.0	NNE	0.4	NNW	0.4	WSW	0.4	NNE	0.4	WSW	0.4	W
4.	16:00-17:00	0.4	WSW	1.3	WSW	0.4	NNW	0.4	NW	0.4	NNW	0.9	WNW	0.4	W
5.	17:00-18:00	0.0	W	0.0	NW	0.4	SW	0.0	NNW	0.0	SW	0.4	SW	0.0	NE
6.	18:00-19:00	0.0	W	0.0	NW	0.0	N	0.0	NNW	0.0	NW	0.0	W	0.0	NW
7.	19:00-20:00	0.0	WSW	0.0	NW	0.0	N	0.0	N	0.0	NW	0.0	W	0.0	S
8.	20:00-21:00	1.3	W	0.0	NW	0.0	N	0.0	N	0.0	NW	0.9	W	0.0	S
9.	21:00-22:00	0.0	SSW	0.0	NW	0.0	N	0.0	N	0.0	NW	0.0	W	0.0	ESE
10.	22:00-23:00	0.0	SSW	0.0	NW	0.0	N	0.0	N	0.0	NW	0.0	W	0.0	W
11.	23:00-00:00	0.0	SSW	0.0	NW	0.0	N	0.4	N	0.0	NNE	1.3	W	0.0	S
12.	00:00-01:00	0.0	SSW	0.4	NW	0.4	N	0.0	NW	0.0	WNW	0.0	W	0.4	S
13.	01:00-02:00	0.0	SSW	0.0	NW	0.0	N	0.0	NW	0.0	E	0.0	W	0.0	WSW
14.	02:00-03:00	0.4	SSW	0.0	NW	0.0	N	0.0	NW	0.0	ENE	0.0	W	0.0	SSE
15.	03:00-04:00	0.0	SSW	0.4	NW	0.0	NNE	0.0	NW	0.0	ENE	0.0	W	0.0	SW
16.	04:00-05:00	0.0	SSW	0.0	NW	0.0	NNW	0.4	NW	0.4	ENE	0.0	W	0.0	SW
17.	05:00-06:00	0.0	SSW	0.0	NW	0.0	NNW	0.0	NW	0.0	ENE	0.0	W	0.4	SW
18.	06:00-07:00	0.0	SSW	0.0	NW	0.0	NNW	0.0	NW	0.4	ENE	0.0	W	0.0	SW
19.	07:00-08:00	0.0	SSW	0.0	NW	0.0	NNW	0.0	NW	0.4	ENE	0.0	W	0.4	SW
20.	08:00-09:00	0.0	SSW	0.0	NW	0.0	NNW	0.0	NW	0.0	ENE	0.9	WSW	0.0	SW
21.	09:00-10:00	0.0	SSW	0.0	NW	0.0	SW	0.0	W	0.0	ENE	0.4	WNW	0.4	SE
22.	10:00-11:00	0.0	W	0.0	NW	0.4	NNW	0.9	W	0.0	ENE	0.4	ESE	0.4	SE
23.	11:00-12:00	0.0	WSW	0.0	WNW	0.4	NW	0.4	NW	0.0	ENE	0.4	S	0.4	ESE
24.	12:00-13:00	0.0	WNW	0.0	N	0.4	N	0.4	NNW	0.4	SW	0.4	SSW	0.4	SSW
Average		0.2	-	0.1	-	0.1	-	0.2	-	0.1	-	0.3	-	0.2	-

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 : Thai Acrylic Fibre Co., Ltd.  
Project : Acrylic Fiber Production Plant Project  
(Expansion 3<sup>rd</sup>)  
Address : No. 54 Moo 5 Sudbantad Road, T. Tan-Deaw  
Kaengkhoh Saraburi 18110  
Contact : Tel. (036) 240-100 Ext. 444  
Job No. : S660162/May/1

Report No. : 1465/2023/13-29  
Report Date : May 29, 2023  
Sampling Date : May 15-22, 2023  
Type of Sample : WS & WD

Item	Time	Result													
		Ban Lup Lao (Wat Jam Sil) (A4)													
		15-16/05/23		16-17/05/23		17-18/05/23		18-19/05/23		19-20/05/23		20-21/05/23		21-22/05/23	
		WS	WD	WS	WD	WS	WD	WS	WD	WS	WD	WS	WD	WS	WD
1.	09:00-10:00	0.0	SSW	0.0	WSW	0.0	SSW	0.4	W	0.0	W	0.0	SSW	0.4	S
2.	10:00-11:00	0.0	SSW	0.0	N	0.0	SSW	0.4	WNW	0.0	SSW	0.4	N	0.4	S
3.	11:00-12:00	0.0	S	0.4	N	0.4	W	0.4	SSW	0.4	W	0.4	N	0.4	S
4.	12:00-13:00	0.4	WSW	0.0	SSW	0.4	WSW	0.4	W	0.0	S	0.0	N	0.4	SSW
5.	13:00-14:00	0.4	WNW	0.4	WNW	0.9	WNW	0.9	W	0.4	WSW	0.4	NW	0.4	WSW
6.	14:00-15:00	0.0	W	0.4	N	0.4	N	0.9	W	0.4	WNW	0.4	W	0.4	SW
7.	15:00-16:00	0.0	W	0.4	N	0.9	W	0.9	W	0.4	W	0.4	W	0.4	WSW
8.	16:00-17:00	0.0	WSW	0.4	WNW	0.9	NW	0.4	WNW	0.4	NNW	0.4	W	0.4	W
9.	17:00-18:00	0.0	WSW	0.4	W	0.9	W	0.4	WSW	0.4	WNW	0.4	W	0.0	WSW
10.	18:00-19:00	0.0	WSW	0.0	SSE	0.0	W	0.0	W	0.0	W	0.0	WSW	0.0	S
11.	19:00-20:00	0.0	WSW	0.0	SSE	0.0	W	0.0	W	0.0	W	0.0	SW	0.0	S
12.	20:00-21:00	2.2	W	0.0	SSE	0.0	W	0.0	W	0.0	W	0.0	SW	0.0	S
13.	21:00-22:00	0.0	WSW	0.0	SSE	0.0	W	0.0	W	0.0	SSW	0.0	SW	0.4	S
14.	22:00-23:00	0.0	WSW	0.0	SSE	0.0	W	0.0	W	0.0	SSW	0.4	SW	0.0	SSE
15.	23:00-00:00	0.0	WSW	0.0	SSE	0.0	W	0.0	SSE	0.0	SW	0.0	SW	0.4	SSE
16.	00:00-01:00	0.0	WSW	0.4	S	0.0	W	0.4	SSE	0.0	W	0.0	SW	0.0	S
17.	01:00-02:00	0.9	WSW	0.0	S	0.9	WSW	0.0	SSE	0.0	SSW	0.0	S	0.0	SSE
18.	02:00-03:00	0.0	WSW	0.0	SE	0.0	WSW	0.4	SSE	0.0	SSW	0.4	SSE	0.0	S
19.	03:00-04:00	0.9	WSW	0.0	SSW	0.9	WSW	0.0	SSE	0.0	SSW	0.0	SE	0.0	SSE
20.	04:00-05:00	0.0	WSW	0.0	SSW	0.0	W	0.0	SSE	0.0	SW	0.0	SE	0.0	SSE
21.	05:00-06:00	0.0	WSW	0.4	SSW	0.0	W	0.0	SSE	0.4	SW	0.0	SE	0.0	SE
22.	06:00-07:00	0.0	WSW	0.0	SSW	1.3	W	0.0	SSE	0.0	SW	0.0	SE	0.0	SE
23.	07:00-08:00	0.0	WSW	0.0	SSW	0.9	W	0.0	SSE	0.0	SW	0.0	SE	0.0	SE
24.	08:00-09:00	0.0	WSW	0.0	SSW	0.0	WSW	0.0	SSE	0.0	SW	0.4	SSW	0.4	S
Average		0.2	-	0.1	-	0.4	-	0.2	-	0.1	-	0.2	-	0.2	-

Remark : WS = WIND SPEED (m/s)

WD = WIND DIRECTION

*Wannasiri S.*  
Wannasiri Suriyawong



*Somchai P.*  
Somchai Piyavorasakul  
General Manager

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## TEST REPORT

Customer Name : Thai Acrylic Fibre Co., Ltd.  
Project : Acrylic Fiber Production Plant Project  
(Expansion 3<sup>rd</sup>)  
Address : No. 54 Moo 5 Sudbantad Road, T. Tan-Deaw  
Kaengkhoi Saraburi 18110  
Contact : Tel. (036) 240-100 Ext. 444  
Job No. : S660162/May/1

Report No. : 1465/2023/14-29  
Report Date : May 29, 2023  
Sampling Date : May 15-22, 2023  
Type of Sample : Sound Level

Item	Time	Result (dB (A))											
		Fence project (Fence of North)											
		15-16/05/23			16-17/05/23			17-18/05/23			18-19/05/23		
		Leq	Lmax	L <sub>90</sub>	Leq	Lmax	L <sub>90</sub>	Leq	Lmax	L <sub>90</sub>	Leq	Lmax	L <sub>90</sub>
1.	10:00-11:00	55.5	81.0	52.2	54.7	63.5	51.1	54.9	63.8	52.0	54.0	58.4	51.8
2.	11:00-12:00	55.5	71.6	51.5	53.0	60.8	51.0	53.2	63.5	45.6	54.4	61.2	51.6
3.	12:00-13:00	54.2	68.1	49.9	52.2	66.6	50.3	53.8	61.8	45.0	55.5	62.0	52.6
4.	13:00-14:00	53.3	75.0	48.7	55.0	64.9	51.1	53.9	64.7	47.4	55.2	68.6	51.4
5.	14:00-15:00	55.6	66.3	53.8	54.0	62.0	51.9	54.4	60.6	45.1	57.2	75.5	55.2
6.	15:00-16:00	55.5	70.1	54.8	53.5	68.2	51.7	53.7	60.6	42.8	56.1	70.1	53.8
7.	16:00-17:00	53.0	69.5	50.6	55.1	63.3	52.0	53.2	58.5	49.9	56.5	64.5	54.3
8.	17:00-18:00	55.7	77.7	54.1	54.6	61.1	51.7	55.0	60.8	51.1	53.3	67.6	49.6
9.	18:00-19:00	55.7	61.2	54.0	54.4	69.5	52.1	54.1	65.3	51.0	52.9	63.5	49.5
10.	19:00-20:00	56.0	62.5	54.1	55.5	75.0	52.4	54.9	61.2	52.1	54.8	65.1	51.3
11.	20:00-21:00	56.3	62.3	54.6	54.1	77.8	52.3	54.0	66.9	51.1	52.0	61.8	49.1
12.	21:00-22:00	56.5	72.7	54.7	54.7	70.1	52.9	53.6	62.9	50.2	53.6	62.4	50.9
13.	22:00-23:00	56.7	64.0	55.2	55.2	62.2	53.0	52.1	55.6	50.4	51.9	61.1	49.3
14.	23:00-00:00	57.5	75.2	56.2	54.3	66.3	51.4	54.6	60.7	52.5	51.3	59.1	48.7
15.	00:00-01:00	53.7	64.1	51.2	52.4	57.3	50.0	54.5	61.3	52.5	52.6	62.0	49.9
16.	01:00-02:00	54.9	80.0	51.6	50.9	57.3	49.2	54.7	59.8	51.6	54.8	71.9	50.6
17.	02:00-03:00	54.4	75.9	51.6	53.9	59.6	52.2	54.0	61.0	50.9	53.6	60.3	51.6
18.	03:00-04:00	54.9	68.2	52.7	52.9	58.5	51.1	55.4	60.4	53.3	53.2	59.8	51.1
19.	04:00-05:00	55.9	83.0	53.5	52.6	58.5	50.7	54.6	65.7	52.6	52.7	63.5	48.9
20.	05:00-06:00	54.4	66.4	49.4	53.8	61.6	48.5	55.1	63.7	51.9	55.2	70.4	51.8
21.	06:00-07:00	54.7	66.1	49.8	53.3	64.6	48.0	53.7	60.9	50.4	55.5	66.4	52.6
22.	07:00-08:00	56.3	61.5	54.4	54.0	62.2	48.4	53.2	61.1	52.0	56.8	76.6	51.9
23.	08:00-09:00	55.9	61.6	54.1	55.0	65.2	50.6	54.3	59.0	52.7	53.1	63.3	50.2
24.	09:00-10:00	55.7	64.0	53.5	52.9	60.0	47.6	53.5	60.9	51.4	52.7	77.4	49.1
Leq 24 hr		55.5	-	-	54.0	-	-	54.2	-	-	54.4	-	-
Lmax		-	83.0	-	-	77.8	-	-	66.9	-	-	77.4	-
Standard <sup>(1)(2)</sup>		70	115	-	70	115	-	70	115	-	70	115	-
Ldn		61.8	-	-	60.0	-	-	60.7	-	-	60.2	-	-

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 : Thai Acrylic Fibre Co., Ltd. Report No. : 1465/2023/15-29  
Project : Acrylic Fiber Production Plant Project Report Date : May 29, 2023  
(Expansion 3<sup>rd</sup>) Sampling Date : May 15-22, 2023  
Address : No. 54 Moo 5 Sudbantad Road, T. Tan-Deaw Type of Sample : Sound Level  
Kaengkhoi Saraburi 18110  
Contact : Tel. (036) 240-100 Ext. 444  
Job No. : S660162/May/1

Item	Time	Result (dB (A))								
		Fence project (Fence of North)								
		19-20/05/23			20-21/05/23			21-22/05/23		
		Leq	Lmax	L <sub>90</sub>	Leq	Lmax	L <sub>90</sub>	Leq	Lmax	L <sub>90</sub>
1.	10:00-11:00	55.2	71.6	50.3	53.9	78.9	47.3	55.0	65.5	51.7
2.	11:00-12:00	55.1	80.1	51.9	55.6	70.0	52.4	54.2	67.0	50.9
3.	12:00-13:00	55.8	72.8	52.4	54.6	62.4	52.2	53.8	73.7	48.6
4.	13:00-14:00	55.4	62.5	53.0	56.3	68.6	54.6	52.9	64.8	49.7
5.	14:00-15:00	54.8	68.7	50.9	54.0	66.6	51.7	56.7	81.4	53.5
6.	15:00-16:00	54.6	68.2	52.1	54.5	67.0	51.9	56.5	65.1	53.9
7.	16:00-17:00	54.7	61.5	52.6	54.6	63.1	52.3	56.5	65.0	54.6
8.	17:00-18:00	54.9	60.8	52.7	55.1	67.2	52.4	54.6	67.8	52.4
9.	18:00-19:00	54.5	62.3	52.5	54.6	69.7	51.3	53.9	62.8	51.5
10.	19:00-20:00	54.1	62.9	51.8	53.5	63.9	51.1	54.1	62.2	50.9
11.	20:00-21:00	53.2	62.6	51.2	54.3	62.8	51.7	54.9	68.9	51.2
12.	21:00-22:00	53.8	61.3	51.7	54.1	62.6	51.7	53.9	63.8	50.6
13.	22:00-23:00	52.9	58.5	51.2	53.7	58.1	51.8	55.2	66.4	51.4
14.	23:00-00:00	52.6	57.9	50.7	53.9	60.8	51.9	53.8	63.1	50.8
15.	00:00-01:00	53.4	62.6	51.5	54.8	63.2	52.2	54.3	63.7	51.8
16.	01:00-02:00	54.0	63.9	52.0	54.0	60.7	52.0	53.6	63.2	51.1
17.	02:00-03:00	54.2	65.3	52.3	54.6	62.0	52.2	52.6	58.8	50.4
18.	03:00-04:00	54.2	62.9	51.5	54.3	68.8	51.8	53.6	63.3	50.8
19.	04:00-05:00	53.3	71.9	51.0	54.2	65.2	50.0	53.8	68.2	50.5
20.	05:00-06:00	54.6	76.4	49.5	53.5	72.9	47.1	54.8	63.4	52.8
21.	06:00-07:00	53.5	77.7	47.4	53.4	83.6	49.8	54.7	61.1	52.8
22.	07:00-08:00	54.3	84.3	48.7	53.7	67.0	50.5	53.8	64.8	50.1
23.	08:00-09:00	54.2	81.8	49.7	53.8	70.8	50.4	54.4	71.7	49.9
24.	09:00-10:00	54.2	90.6	49.4	53.4	72.9	49.9	55.8	85.1	51.1
Leq 24 hr		54.3	-	-	54.3	-	-	54.6	-	-
Lmax		-	90.6	-	-	83.6	-	-	85.1	-
Standard <sup>(1)/(2)</sup>		70	115	-	70	115	-	70	115	-
Ldn		60.2	-	-	60.5	-	-	60.6	-	-

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 : Thai Acrylic Fibre Co., Ltd.  
Project : Acrylic Fiber Production Plant Project  
(Expansion 3<sup>rd</sup>)  
Address : No. 54 Moo 5 Sudbantad Road, T. Tan-Deaw  
Kaengkhoei Saraburi 18110  
Contact : Tel. (036) 240-100 Ext. 444  
Job No. : S660162/May/1

Report No. : 1465/2023/16-29  
Report Date : May 29, 2023  
Sampling Date : May 15-22, 2023  
Type of Sample : Sound Level

Item	Time	Result (dB (A))											
		Fence of South (N2)											
		15-16/05/23			16-17/05/23			17-18/05/23			18-19/05/23		
		Leq	Lmax	L <sub>90</sub>	Leq	Lmax	L <sub>90</sub>	Leq	Lmax	L <sub>90</sub>	Leq	Lmax	L <sub>90</sub>
1.	10:00-11:00	50.5	66.9	48.3	49.8	56.6	48.9	48.3	64.8	46.6	51.1	57.9	49.9
2.	11:00-12:00	50.2	65.8	48.1	50.5	57.6	49.4	50.9	81.4	46.9	51.1	58.3	50.0
3.	12:00-13:00	51.2	67.4	47.8	50.4	60.8	49.3	49.0	68.8	47.0	50.5	55.4	49.3
4.	13:00-14:00	53.4	87.9	47.3	50.0	64.5	48.9	49.3	63.3	47.2	51.1	60.6	50.1
5.	14:00-15:00	49.9	62.8	47.2	49.6	52.7	48.7	50.2	69.4	47.3	51.4	69.2	50.0
6.	15:00-16:00	50.4	71.8	48.3	51.5	55.2	49.5	49.1	70.5	47.1	51.1	60.0	50.0
7.	16:00-17:00	50.2	67.5	48.5	51.4	56.6	50.1	55.8	91.5	47.7	51.3	56.5	50.3
8.	17:00-18:00	51.1	68.3	48.9	50.4	58.6	49.4	49.0	67.0	47.4	52.1	56.2	50.7
9.	18:00-19:00	50.4	68.9	48.1	50.3	57.8	49.1	48.9	60.3	47.6	51.2	61.6	49.7
10.	19:00-20:00	50.3	70.3	48.7	50.6	58.9	49.1	50.0	64.7	48.1	53.4	64.3	49.4
11.	20:00-21:00	49.8	61.9	48.5	52.8	69.3	50.7	50.4	63.2	48.4	51.5	67.6	49.6
12.	21:00-22:00	49.9	62.2	48.6	52.7	68.8	50.4	50.1	60.5	49.0	51.3	66.8	49.7
13.	22:00-23:00	50.7	64.1	49.2	51.7	66.5	49.8	51.2	68.3	49.3	51.4	68.3	49.5
14.	23:00-00:00	51.2	66.2	49.4	51.7	66.5	50.2	50.2	56.8	49.4	50.9	65.7	49.0
15.	00:00-01:00	54.3	73.6	50.3	51.7	67.0	49.7	51.5	62.7	50.3	51.5	70.6	49.1
16.	01:00-02:00	55.5	96.6	52.0	51.7	67.3	49.7	52.2	62.9	50.8	51.7	68.9	49.5
17.	02:00-03:00	54.4	61.8	51.9	50.8	67.6	48.8	52.8	56.3	51.7	51.5	67.8	49.3
18.	03:00-04:00	54.2	60.7	52.3	50.0	67.4	48.0	52.6	58.9	51.8	50.3	70.4	47.8
19.	04:00-05:00	50.7	57.6	49.4	50.6	66.6	48.4	52.6	58.1	51.8	50.7	70.4	47.9
20.	05:00-06:00	50.3	56.4	49.3	50.2	69.0	48.1	52.4	57.8	50.6	49.0	65.2	47.2
21.	06:00-07:00	50.5	55.6	49.5	49.6	63.8	47.4	52.2	62.1	49.9	49.2	67.0	47.2
22.	07:00-08:00	51.0	59.1	49.9	48.7	62.6	47.0	53.5	57.4	52.2	48.4	60.7	46.9
23.	08:00-09:00	51.8	60.2	50.5	49.3	69.8	47.0	51.9	55.5	50.7	48.7	66.4	46.8
24.	09:00-10:00	50.3	71.0	48.7	49.0	73.1	46.8	51.2	56.3	50.2	54.4	81.3	47.1
Leq 24 hr		51.7	-	-	50.8	-	-	51.4	-	-	51.2	-	-
Lmax		-	96.6	-	-	73.1	-	-	91.5	-	-	81.3	-
Standard <sup>(1)(2)</sup>		70	115	-	70	115	-	70	115	-	70	115	-
Ldn		59.1	-	-	57.3	-	-	58.3	-	-	57.3	-	-

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

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## TEST REPORT

Customer Name : Thai Acrylic Fibre Co., Ltd. Report No. : 1465/2023/17-29  
Project : Acrylic Fiber Production Plant Project Report Date : May 29, 2023  
(Expansion 3<sup>rd</sup>) Sampling Date : May 15-22, 2023  
Address : No. 54 Moo 5 Sudbantad Road, T. Tan-Deaw Type of Sample : Sound Level  
Kaengkhoi Saraburi 18110  
Contact : Tel. (036) 240-100 Ext. 444  
Job No. : S660162/May/1

Item	Time	Result (dB (A))								
		Fence of South (N2)								
		19-20/05/23			20-21/05/23			21-22/05/23		
		Leq	Lmax	L <sub>90</sub>	Leq	Lmax	L <sub>90</sub>	Leq	Lmax	L <sub>90</sub>
1.	10:00-11:00	51.5	76.4	48.0	51.4	57.2	50.4	52.0	71.7	46.4
2.	11:00-12:00	49.1	65.9	47.0	51.8	54.7	50.3	48.5	62.0	47.0
3.	12:00-13:00	50.1	64.4	47.1	51.5	61.5	49.8	49.6	60.6	47.3
4.	13:00-14:00	50.4	70.6	47.5	50.7	56.4	49.6	48.8	58.6	47.2
5.	14:00-15:00	49.1	63.9	46.8	50.7	65.7	49.3	48.8	62.6	47.1
6.	15:00-16:00	49.3	67.7	46.9	50.8	56.0	49.5	49.1	70.5	47.0
7.	16:00-17:00	49.6	72.4	47.0	50.9	56.3	49.8	50.0	81.1	47.2
8.	17:00-18:00	50.2	66.2	47.3	50.8	56.2	49.8	48.7	71.6	46.9
9.	18:00-19:00	49.0	65.4	47.2	51.3	60.3	50.0	49.3	70.5	47.3
10.	19:00-20:00	49.3	65.2	47.4	53.7	78.8	49.9	49.9	67.5	47.5
11.	20:00-21:00	48.7	62.6	47.5	52.0	69.5	49.4	49.3	67.0	47.8
12.	21:00-22:00	49.6	64.7	48.1	51.8	66.0	49.7	49.3	61.5	48.4
13.	22:00-23:00	50.5	65.3	49.0	52.5	70.3	48.5	50.1	59.9	48.6
14.	23:00-00:00	49.8	56.6	48.9	51.0	73.7	48.4	50.5	62.2	49.4
15.	00:00-01:00	51.5	68.2	49.3	51.1	74.3	48.1	50.6	55.8	49.6
16.	01:00-02:00	51.9	57.8	50.4	53.5	81.6	47.7	52.3	59.5	50.9
17.	02:00-03:00	53.3	65.4	51.3	51.1	71.4	48.3	52.9	60.2	51.7
18.	03:00-04:00	52.5	61.6	51.3	49.6	69.0	47.4	52.2	62.1	51.0
19.	04:00-05:00	52.3	58.5	51.1	49.2	64.9	47.2	52.7	66.3	50.8
20.	05:00-06:00	53.3	58.3	52.1	50.0	64.9	46.9	51.8	57.6	50.8
21.	06:00-07:00	52.7	60.4	51.6	52.8	67.0	46.8	50.6	58.4	49.2
22.	07:00-08:00	53.4	59.2	52.2	49.3	64.8	46.4	50.0	62.1	49.1
23.	08:00-09:00	52.2	59.3	51.0	49.3	77.6	45.9	49.6	54.9	48.7
24.	09:00-10:00	51.1	58.5	50.3	49.1	66.8	45.9	48.9	54.5	48.2
Leq 24 hr		51.1	-	-	51.3	-	-	50.4	-	-
Lmax		-	76.4	-	-	81.6	-	-	81.1	-
Standard <sup>(1)(2)</sup>		70	115	-	70	115	-	70	115	-
Ldn		58.3	-	-	57.8	-	-	57.8	-	-

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 : Thai Acrylic Fibre Co., Ltd. Report No. : 1465/2023/18-29  
Project : Acrylic Fiber Production Plant Project Report Date : May 29, 2023  
(Expansion 3<sup>rd</sup>) Sampling Date : May 15-22, 2023  
Address : No. 54 Moo 5 Sudbantad Road, T. Tan-Deaw Type of Sample : Sound Level  
Kaengkhoh Saraburi 181110  
Contact : Tel. (036) 240-100 Ext. 444  
Job No. : S660162/May/1

Item	Time	Result (dB (A))											
		Fence of East (N3)											
		15-16/05/23			16-17/05/23			17-18/05/23			18-19/05/23		
		Leq	Lmax	L <sub>90</sub>	Leq	Lmax	L <sub>90</sub>	Leq	Lmax	L <sub>90</sub>	Leq	Lmax	L <sub>90</sub>
1.	09:00-10:00	58.1	60.0	57.0	61.7	65.3	59.5	60.9	61.6	60.0	63.5	66.1	61.9
2.	10:00-11:00	57.5	59.1	56.6	60.2	64.2	58.3	63.9	71.9	56.4	62.6	66.2	61.4
3.	11:00-12:00	59.5	61.1	58.2	60.1	60.8	59.1	60.3	61.0	59.8	62.7	65.6	60.9
4.	12:00-13:00	59.0	60.9	56.3	60.8	61.6	58.4	61.6	62.2	60.8	63.7	66.7	60.1
5.	13:00-14:00	57.7	58.7	56.7	60.1	61.0	58.0	62.7	65.9	58.5	62.9	64.3	61.7
6.	14:00-15:00	58.3	59.3	57.7	61.8	62.7	58.4	62.9	65.8	58.0	62.0	62.7	60.8
7.	15:00-16:00	60.9	61.8	56.1	61.9	62.6	58.4	61.8	63.4	56.4	61.1	61.8	60.5
8.	16:00-17:00	61.2	62.0	58.6	61.6	62.3	56.0	56.9	58.0	56.2	59.2	61.3	57.4
9.	17:00-18:00	61.0	61.8	56.4	61.6	62.5	56.0	55.7	56.8	55.2	57.2	57.5	56.7
10.	18:00-19:00	59.3	62.0	56.7	58.3	62.0	56.7	55.8	56.5	55.3	56.6	57.2	56.1
11.	19:00-20:00	58.6	62.4	56.1	55.5	56.3	55.0	56.1	57.1	55.0	57.5	58.8	56.9
12.	20:00-21:00	58.6	62.1	56.0	55.4	56.2	54.7	55.7	56.5	54.8	56.2	57.0	55.6
13.	21:00-22:00	57.4	58.2	55.6	55.5	56.6	55.1	55.3	56.2	54.7	56.3	58.1	55.4
14.	22:00-23:00	56.6	57.3	56.0	56.3	57.2	55.4	55.4	56.1	54.8	56.1	58.2	55.1
15.	23:00-00:00	56.1	57.0	55.3	56.1	57.1	55.5	55.5	56.3	55.1	55.3	55.8	54.8
16.	00:00-01:00	55.5	57.1	54.9	55.6	56.7	54.6	55.5	56.3	55.0	55.6	56.2	55.1
17.	01:00-02:00	55.9	58.6	54.8	55.7	57.5	54.6	55.9	56.5	55.4	55.6	57.3	54.9
18.	02:00-03:00	56.6	59.2	54.8	57.9	58.9	57.1	55.9	57.0	55.3	55.8	56.5	55.1
19.	03:00-04:00	55.3	56.0	54.6	59.3	60.5	58.4	56.4	57.0	55.9	55.7	56.4	55.1
20.	04:00-05:00	55.2	56.0	54.6	59.1	59.6	58.6	57.5	58.9	56.5	56.2	57.8	55.3
21.	05:00-06:00	55.6	56.2	55.2	59.4	60.1	58.9	59.4	64.4	57.7	55.1	55.9	54.5
22.	06:00-07:00	55.4	56.2	54.8	60.2	60.9	59.8	58.4	59.2	57.9	55.0	56.5	54.3
23.	07:00-08:00	55.1	55.6	54.6	60.7	61.6	59.9	60.1	62.2	58.8	55.8	57.0	55.1
24.	08:00-09:00	55.5	56.0	54.9	60.3	60.6	59.9	63.5	65.5	62.3	55.8	58.0	55.1
Leq 24 hr		57.9	-	-	59.5	-	-	59.5	-	-	59.3	-	-
Lmax		-	62.4	-	-	65.3	-	-	71.9	-	-	66.7	-
Standard <sup>(1)(2)</sup>		70	115	-	70	115	-	70	115	-	70	115	-
Ldn		62.8	-	-	64.9	-	-	64.1	-	-	63.2	-	-

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 : Thai Acrylic Fibre Co., Ltd.

Report No. : 1465/2023/19-29

Project : Acrylic Fiber Production Plant Project  
(Expansion 3<sup>rd</sup>)

Report Date : May 29, 2023

Sampling Date : May 15-22, 2023

Address : No. 54 Moo 5 Sudbantad Road, T. Tan-Deaw  
Kaengkhoi Saraburi 18110

Type of Sample : Sound Level

Contact : Tel. (036) 240-100 Ext. 444

Job No. : S660162/May/1

Item	Time	Result (dB (A))								
		Fence of East (N3)								
		19-20/05/23			20-21/05/23			21-22/05/23		
		Leq	Lmax	L <sub>90</sub>	Leq	Lmax	L <sub>90</sub>	Leq	Lmax	L <sub>90</sub>
1.	09:00-10:00	55.5	56.7	54.6	56.4	56.9	55.9	60.2	60.4	60.0
2.	10:00-11:00	54.9	56.2	54.4	61.4	62.0	60.5	60.2	60.5	59.8
3.	11:00-12:00	55.1	55.6	54.6	61.0	61.4	60.5	59.9	60.2	59.7
4.	12:00-13:00	56.3	60.2	54.7	60.6	61.1	60.3	60.0	60.4	59.7
5.	13:00-14:00	55.2	56.8	54.5	57.6	58.1	57.3	60.0	60.3	59.8
6.	14:00-15:00	55.7	56.4	55.1	57.9	58.6	57.5	60.3	60.5	59.9
7.	15:00-16:00	54.9	55.6	54.4	58.2	58.7	57.8	60.2	60.6	60.0
8.	16:00-17:00	55.1	56.0	54.5	58.4	58.9	57.8	60.2	60.4	59.9
9.	17:00-18:00	55.3	56.5	54.8	58.4	58.9	57.9	58.4	58.7	58.2
10.	18:00-19:00	55.6	57.0	55.0	58.3	58.6	57.9	58.7	59.0	58.4
11.	19:00-20:00	57.0	58.1	56.4	58.2	58.6	57.7	58.8	59.9	58.4
12.	20:00-21:00	58.5	60.3	57.6	58.8	59.6	58.5	59.0	60.1	58.6
13.	21:00-22:00	57.5	59.2	56.1	58.9	61.1	58.6	59.2	61.2	58.6
14.	22:00-23:00	56.2	56.9	55.6	59.3	63.3	58.5	58.7	60.1	58.4
15.	23:00-00:00	55.8	56.5	55.3	58.9	59.5	58.5	59.4	62.5	58.6
16.	00:00-01:00	56.3	57.2	55.4	58.9	59.4	58.5	58.9	59.4	58.6
17.	01:00-02:00	56.9	57.3	56.5	59.1	59.5	58.6	59.1	59.6	58.8
18.	02:00-03:00	59.6	60.6	58.4	58.6	58.9	58.2	59.3	60.1	58.9
19.	03:00-04:00	58.1	59.1	57.0	59.8	60.0	59.5	59.5	59.8	59.3
20.	04:00-05:00	58.6	64.0	57.8	59.7	60.0	59.4	59.5	59.8	59.2
21.	05:00-06:00	57.7	59.1	57.2	59.6	59.9	59.4	59.3	59.6	59.0
22.	06:00-07:00	57.5	58.8	56.9	59.8	60.0	59.5	59.3	59.6	59.1
23.	07:00-08:00	56.5	57.7	55.8	59.9	60.1	59.6	59.6	59.9	59.3
24.	08:00-09:00	56.3	56.7	55.9	60.0	60.4	59.7	59.9	60.6	59.6
Leq 24 hr		56.7	-	-	59.2	-	-	59.5	-	-
Lmax		-	64.0	-	-	63.3	-	-	62.5	-
Standard <sup>(1)(2)</sup>		70	115	-	70	115	-	70	115	-
Ldn		63.8	-	-	65.7	-	-	65.7	-	-

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.

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Somchai P.

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General Manager

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## TEST REPORT

Customer Name : Thai Acrylic Fibre Co., Ltd.  
Project : Acrylic Fiber Production Plant Project  
(Expansion 3<sup>rd</sup>)  
Address : No. 54 Moo 5 Sudbantad Road, T. Tan-Deaw  
Kaengkhoh Saraburi 18110  
Contact : Tel. (036) 240-100 Ext. 444  
Job No. : S660162/May/1

Report No. : 1465/2023/20-29  
Report Date : May 29, 2023  
Sampling Date : May 15-22, 2023  
Type of Sample : Sound Level

Item	Time	Result (dB (A))											
		Fence of West (N4)											
		15-16/05/23			16-17/05/23			17-18/05/23			18-19/05/23		
		Leq	Lmax	L <sub>90</sub>	Leq	Lmax	L <sub>90</sub>	Leq	Lmax	L <sub>90</sub>	Leq	Lmax	L <sub>90</sub>
1.	09:00-10:00	57.2	59.4	56.5	57.0	57.4	56.6	60.7	61.1	60.4	56.9	57.4	56.4
2.	10:00-11:00	56.9	58.1	56.0	57.1	57.6	56.6	60.9	61.1	60.7	57.3	57.8	56.7
3.	11:00-12:00	56.3	57.6	55.8	62.1	62.7	58.2	59.9	61.8	58.8	60.5	67.1	58.3
4.	12:00-13:00	56.5	57.0	56.0	61.7	62.1	58.2	59.3	60.9	58.4	62.0	66.0	60.1
5.	13:00-14:00	57.7	61.6	56.1	60.3	61.8	57.0	61.3	62.9	60.0	61.9	62.6	60.9
6.	14:00-15:00	56.6	58.2	55.9	58.3	58.8	58.0	60.8	62.7	58.1	62.6	63.4	62.2
7.	15:00-16:00	57.1	57.8	56.5	58.6	59.3	58.2	59.5	60.5	58.5	61.9	62.8	59.8
8.	16:00-17:00	56.3	57.0	55.8	58.9	59.4	58.5	60.1	61.1	59.5	61.6	64.5	58.2
9.	17:00-18:00	56.5	57.4	55.9	59.1	59.6	58.5	62.7	63.6	58.9	61.7	64.4	58.2
10.	18:00-19:00	56.7	57.9	56.2	59.1	59.6	58.6	62.0	63.8	58.4	60.4	64.1	58.8
11.	19:00-20:00	57.0	58.4	56.4	59.0	59.3	58.6	61.8	63.6	57.2	60.4	64.3	59.8
12.	20:00-21:00	58.4	59.5	57.8	58.9	59.3	58.4	60.1	63.8	58.5	59.1	63.8	58.5
13.	21:00-22:00	59.9	61.7	59.0	59.5	60.3	59.2	60.4	64.2	58.9	57.3	58.1	56.8
14.	22:00-23:00	58.9	60.6	57.5	59.6	61.8	59.3	60.4	63.9	58.8	57.2	58.0	56.5
15.	23:00-00:00	57.6	58.3	57.0	60.0	64.0	59.2	59.2	60.0	57.4	57.3	58.4	56.9
16.	00:00-01:00	57.2	57.9	56.7	59.6	60.2	59.2	58.4	59.1	57.8	58.1	59.0	57.2
17.	01:00-02:00	57.7	58.6	56.8	59.6	60.1	59.2	57.9	58.8	57.1	57.9	58.9	57.3
18.	02:00-03:00	58.3	58.7	57.9	59.8	60.2	59.3	57.3	58.9	56.7	57.4	58.5	56.4
19.	03:00-04:00	58.0	62.0	57.8	59.3	59.6	58.9	57.7	60.4	56.6	57.5	59.3	56.4
20.	04:00-05:00	59.5	60.5	58.4	60.5	60.7	60.2	58.4	61.0	56.6	59.7	60.7	58.9
21.	05:00-06:00	60.0	65.4	59.2	60.4	60.7	60.1	57.1	57.8	56.4	61.1	62.3	60.2
22.	06:00-07:00	58.4	59.8	57.9	60.3	60.6	60.1	57.0	57.8	56.4	60.9	61.4	60.4
23.	07:00-08:00	58.2	59.5	57.6	60.5	60.7	60.2	57.4	58.0	57.0	60.9	61.2	60.5
24.	08:00-09:00	57.2	58.4	56.5	60.6	60.8	60.3	57.2	58.0	56.6	60.6	60.9	60.4
Leq 24 hr		57.8	-	-	59.7	-	-	59.8	-	-	60.1	-	-
Lmax		-	65.4	-	-	64.0	-	-	64.2	-	-	67.1	-
Standard <sup>(1)(2)</sup>		70	115	-	70	115	-	70	115	-	70	115	-
Ldn		64.8	-	-	66.3	-	-	65.1	-	-	65.6	-	-

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 : Thai Acrylic Fibre Co., Ltd. Report No. : 1465/2023/21-29  
Project : Acrylic Fiber Production Plant Project Report Date : May 29, 2023  
(Expansion 3<sup>rd</sup>) Sampling Date : May 15-22, 2023  
Address : No. 54 Moo 5 Sudbantad Road, T. Tan-Deaw Type of Sample : Sound Level  
Kaengkhoi Saraburi 18110  
Contact : Tel. (036) 240-100 Ext. 444  
Job No. : S660162/May/1

Item	Time	Result (dB (A))								
		Fence of West (N4)								
		19-20/05/23			20-21/05/23			21-22/05/23		
		Leq	Lmax	L <sub>90</sub>	Leq	Lmax	L <sub>90</sub>	Leq	Lmax	L <sub>90</sub>
1.	09:00-10:00	60.7	61.1	60.4	62.0	62.7	61.6	59.8	60.6	59.3
2.	10:00-11:00	60.7	61.0	60.5	62.5	63.4	61.7	61.5	63.6	60.2
3.	11:00-12:00	61.0	61.2	60.6	62.1	62.4	61.7	62.9	66.9	60.7
4.	12:00-13:00	60.9	61.3	60.7	62.7	63.4	61.8	60.9	67.5	58.3
5.	13:00-14:00	60.9	61.1	60.6	62.7	73.7	58.2	62.0	67.6	58.8
6.	14:00-15:00	59.1	59.4	58.9	62.1	62.8	58.6	62.1	67.0	59.3
7.	15:00-16:00	59.4	59.7	59.1	61.4	64.0	58.6	62.1	68.1	59.5
8.	16:00-17:00	59.5	60.6	59.1	61.5	67.7	58.3	62.3	65.7	59.1
9.	17:00-18:00	59.7	60.8	59.3	60.7	67.6	58.8	61.4	64.1	59.2
10.	18:00-19:00	59.9	61.9	59.3	60.6	65.2	57.2	61.5	63.2	58.9
11.	19:00-20:00	59.4	60.8	59.1	58.7	59.8	58.0	60.6	62.7	58.8
12.	20:00-21:00	60.1	63.2	59.3	57.1	58.2	56.6	58.6	58.9	58.1
13.	21:00-22:00	59.6	60.1	59.3	57.2	57.9	56.7	58.0	58.6	57.5
14.	22:00-23:00	59.8	60.3	59.5	57.5	58.5	56.4	58.9	60.2	58.3
15.	23:00-00:00	60.0	60.8	59.6	57.1	57.9	56.2	57.6	58.4	57.0
16.	00:00-01:00	60.2	60.5	60.0	56.7	57.6	56.1	57.7	59.5	56.8
17.	01:00-02:00	60.2	60.5	59.9	56.8	57.5	56.2	57.5	59.6	56.5
18.	02:00-03:00	60.0	60.3	59.7	56.9	57.7	56.5	56.7	57.2	56.2
19.	03:00-04:00	60.0	60.3	59.8	56.9	57.7	56.4	57.0	57.6	56.5
20.	04:00-05:00	60.3	60.6	60.0	57.3	57.9	56.8	57.0	58.7	56.3
21.	05:00-06:00	60.6	61.3	60.3	57.3	58.4	56.7	57.2	57.9	56.5
22.	06:00-07:00	60.4	60.7	60.0	57.8	58.4	57.3	57.1	57.8	56.5
23.	07:00-08:00	57.2	58.4	56.5	58.9	60.3	57.9	57.6	59.2	56.7
24.	08:00-09:00	61.2	61.9	60.7	60.8	65.8	59.1	56.5	57.3	55.9
Leq 24 hr		60.1	-	-	60.0	-	-	59.9	-	-
Lmax		-	63.2	-	-	73.7	-	-	68.1	-
Standard <sup>(1)(2)</sup>		70	115	-	70	115	-	70	115	-
Ldn		66.6	-	-	64.4	-	-	64.6	-	-

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 : Thai Acrylic Fibre Co., Ltd. Report No. : 1465/2023/22-29  
Project : Acrylic Fiber Production Plant Project Report Date : May 29, 2023  
(Expansion 3<sup>rd</sup>) Sampling Date : May 15-22, 2023  
Address : No. 54 Moo 5 Sudbantad Road, T. Tan-Deaw Type of Sample : Sound Level  
Kaengkhoi Saraburi 18110  
Contact : Tel. (036) 240-100 Ext. 444  
Job No. : S660162/May/1

Item	Time	Result (dB (A))											
		Tan Deaw of Tambon Health Promotion Hospital (N5)											
		15-16/05/23			16-17/05/23			17-18/05/23			18-19/05/23		
		Leq	Lmax	L <sub>90</sub>	Leq	Lmax	L <sub>90</sub>	Leq	Lmax	L <sub>90</sub>	Leq	Lmax	L <sub>90</sub>
1.	09:00-10:00	54.8	69.9	52.7	52.5	67.6	50.4	54.2	71.6	51.0	56.8	71.8	52.6
2.	10:00-11:00	54.4	69.1	52.6	52.1	66.8	50.3	55.9	71.5	52.3	54.1	70.0	46.4
3.	11:00-12:00	52.1	81.5	47.1	52.2	79.2	44.8	50.0	72.7	43.8	55.2	66.2	42.3
4.	12:00-13:00	56.4	71.3	45.9	55.0	73.1	48.1	51.9	72.2	45.6	54.4	72.1	47.5
5.	13:00-14:00	56.0	81.4	47.0	55.9	72.4	48.2	45.7	68.6	42.3	52.5	71.5	43.5
6.	14:00-15:00	54.7	71.3	47.2	55.2	70.3	43.2	54.7	70.0	46.7	54.0	71.4	50.8
7.	15:00-16:00	52.7	72.4	46.5	56.3	69.0	46.2	54.9	77.9	44.1	57.3	68.1	42.7
8.	16:00-17:00	55.7	70.2	46.9	56.5	67.6	45.4	52.0	68.4	44.9	53.3	64.4	40.9
9.	17:00-18:00	48.9	64.6	46.4	56.8	70.3	52.1	55.3	73.6	48.5	52.3	70.5	43.7
10.	18:00-19:00	55.8	72.3	51.1	52.7	74.9	47.9	54.3	71.5	47.1	55.2	69.9	49.0
11.	19:00-20:00	56.4	91.0	48.4	50.4	67.0	48.6	51.1	63.6	49.3	58.5	69.0	50.1
12.	20:00-21:00	55.8	81.6	53.1	52.7	63.7	51.2	53.3	63.9	52.2	54.8	68.2	52.8
13.	21:00-22:00	55.7	67.9	54.1	52.7	61.7	51.1	52.4	61.5	50.5	51.5	79.8	46.5
14.	22:00-23:00	54.0	68.1	52.1	51.8	63.4	50.3	52.3	64.6	50.1	50.0	80.6	45.4
15.	23:00-00:00	53.2	67.7	51.4	51.5	63.4	49.6	50.1	63.2	48.7	50.9	80.5	45.9
16.	00:00-01:00	53.3	74.7	51.2	50.4	64.8	48.8	50.2	63.8	48.9	51.9	70.4	46.3
17.	01:00-02:00	52.6	66.3	51.2	49.2	59.9	48.2	49.2	57.0	48.2	49.7	71.5	45.7
18.	02:00-03:00	52.7	71.7	51.5	49.7	65.0	48.5	48.9	62.9	47.6	50.9	69.3	46.6
19.	03:00-04:00	51.8	75.3	51.0	49.5	60.7	48.2	48.8	65.4	47.6	50.1	64.6	45.5
20.	04:00-05:00	51.2	57.7	50.1	49.3	63.2	48.0	50.3	68.5	47.6	50.4	70.3	46.4
21.	05:00-06:00	53.6	68.0	52.6	51.0	76.3	47.9	50.3	67.2	47.7	51.7	76.1	48.6
22.	06:00-07:00	54.5	84.6	51.9	50.3	71.1	47.3	50.7	69.1	47.1	54.1	90.1	48.3
23.	07:00-08:00	54.8	71.1	51.4	53.5	79.3	52.1	54.1	71.5	48.9	54.8	66.2	53.2
24.	08:00-09:00	55.0	63.5	53.9	53.9	73.9	51.1	53.0	72.1	46.7	54.1	67.2	52.5
Leq 24 hr		54.3	-	-	53.2	-	-	52.5	-	-	53.9	-	-
Lmax		-	91.0	-	-	79.3	-	-	77.9	-	-	90.1	-
Standard <sup>(1)(2)</sup>		70	115	-	70	115	-	70	115	-	70	115	-
Ldn		59.8	-	-	57.6	-	-	57.2	-	-	58.5	-	-

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 : Thai Acrylic Fibre Co., Ltd. Report No. : 1465/2023/23-29  
Project : Acrylic Fiber Production Plant Project Report Date : May 29, 2023  
(Expansion 3<sup>rd</sup>) Sampling Date : May 15-22, 2023  
Address : No. 54 Moo 5 Sudbantad Road, T. Tan-Deaw Type of Sample : Sound Level  
Kaengkhoi Saraburi 18110  
Contact : Tel. (036) 240-100 Ext. 444  
Job No. : S660162/May/1

Item	Time	Result (dB (A))								
		Tan Deaw of Tambon Health Promotion Hospital (N5)								
		19-20/05/23			20-21/05/23			21-22/05/23		
		Leq	Lmax	L <sub>90</sub>	Leq	Lmax	L <sub>90</sub>	Leq	Lmax	L <sub>90</sub>
1.	09:00-10:00	52.6	66.8	50.6	51.1	60.6	49.7	50.5	62.9	48.7
2.	10:00-11:00	52.4	66.5	50.4	49.7	63.9	47.7	48.9	62.9	47.8
3.	11:00-12:00	52.0	73.8	50.2	48.9	61.4	47.5	48.8	61.6	47.5
4.	12:00-13:00	51.3	70.8	49.8	48.6	64.1	47.5	48.2	54.3	47.3
5.	13:00-14:00	52.1	74.4	50.9	48.7	59.8	47.4	48.0	62.0	46.7
6.	14:00-15:00	50.4	57.7	49.5	48.5	56.6	47.3	48.0	64.5	46.6
7.	15:00-16:00	51.8	65.5	50.3	51.6	72.1	47.4	50.8	67.6	47.1
8.	16:00-17:00	53.7	76.5	51.7	48.7	64.4	46.5	49.0	66.3	46.6
9.	17:00-18:00	55.0	83.7	50.4	52.7	73.9	46.9	51.3	70.6	45.9
10.	18:00-19:00	55.0	70.2	53.8	55.4	75.1	48.6	54.5	70.5	46.1
11.	19:00-20:00	52.0	66.7	48.4	56.9	70.7	52.7	55.6	71.2	52.0
12.	20:00-21:00	52.5	65.9	50.5	55.0	70.6	50.2	55.8	69.7	52.5
13.	21:00-22:00	49.2	77.5	44.2	54.6	64.2	43.2	55.9	69.7	48.2
14.	22:00-23:00	48.2	78.3	43.9	49.9	71.6	47.2	52.1	69.9	48.2
15.	23:00-00:00	49.8	71.4	45.7	48.4	70.8	45.1	49.1	71.2	48.3
16.	00:00-01:00	49.3	71.5	43.1	47.0	68.6	42.4	52.1	70.6	50.0
17.	01:00-02:00	49.2	68.1	42.3	49.7	77.0	44.9	49.1	69.6	47.3
18.	02:00-03:00	49.7	66.7	44.5	49.0	69.5	43.6	48.9	61.3	48.0
19.	03:00-04:00	50.1	69.4	45.3	47.9	72.7	44.3	47.2	63.8	46.0
20.	04:00-05:00	51.9	70.7	50.2	50.5	72.6	47.3	48.5	66.9	46.4
21.	05:00-06:00	48.8	63.0	47.0	48.8	64.5	46.8	49.0	65.6	46.1
22.	06:00-07:00	50.8	66.1	49.3	51.8	63.0	51.1	49.4	67.5	45.5
23.	07:00-08:00	52.0	62.8	50.2	52.2	60.6	51.2	55.5	69.9	48.9
24.	08:00-09:00	51.3	62.5	49.8	51.2	63.7	49.6	56.3	70.5	52.9
Leq 24 hr		51.7	-	-	51.6	-	-	52.0	-	-
Lmax		-	83.7	-	-	77.0	-	-	71.2	-
Standard <sup>(1)(2)</sup>		70	115	-	70	115	-	70	115	-
Ldn		56.8	-	-	56.4	-	-	56.8	-	-

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 : Thai Acrylic Fibre Co., Ltd. Report No. : 1465/2023/24-29  
Project : Acrylic Fiber Production Plant Project Report Date : May 29, 2023  
(Expansion 3<sup>rd</sup>) Sampling Date : May 15-22, 2023  
Address : No. 54 Moo 5 Sudbantad Road, T. Tan-Deaw Type of Sample : เสียงรบกวน  
Kaengkhoi Saraburi 18110  
Contact : Tel. (036) 240-100 Ext. 444  
Job No. : S660162/May/1

(24/1-3)

Item	Time	Result (dB(A))				
		Tan Deaw of Tambon Health Promotion Hospital (N5)				
		ระดับเสียงขณะเกิดเสียง ของแหล่งกำเนิด (Leq)	ระดับเสียงขณะ ไม่มีการรบกวน (Leq)	ระดับเสียงขณะ มีการรบกวน	ระดับเสียงพื้นฐาน (L <sub>90</sub> )	ค่าระดับการรบกวน
		15-16/05/23	21-22/05/23	-	21-22/05/23	-
1.	09.00-10.00	54.8	50.5	52.8	48.7	4.1
2.	10.00-11.00	54.4	48.9	53.0	47.8	5.2
3.	11.00-12.00	52.1	48.8	49.4	47.5	1.9
4.	12.00-13.00	56.4	48.2	55.7	47.3	8.4
5.	13.00-14.00	56.0	48.0	55.3	46.7	8.6
6.	14.00-15.00	54.7	48.0	53.7	46.6	7.1
7.	15.00-16.00	52.7	50.8	48.2	47.1	1.1
8.	16.00-17.00	55.7	49.0	54.7	46.6	8.1
9.	17.00-18.00	48.9	51.3	48.9	45.9	3.0
10.	18.00-19.00	55.8	54.5	49.9	46.1	3.8
11.	19.00-20.00	56.4	55.6	48.7	52.0	-3.3
12.	20.00-21.00	55.8	55.8	55.8	52.5	3.3
13.	21.00-22.00	55.7	55.9	55.7	48.2	7.5
14.	22.00-22.05	55.5	53.2	54.6	48.4	6.2
	22.05-22.10	55.3	53.2	54.1	48.1	6.0
	22.10-22.15	54.4	53.2	51.2	48.0	3.2
	22.15-22.20	53.4	53.7	53.4	48.5	4.9
	22.20-22.25	53.4	52.1	50.5	48.2	2.3
	22.25-22.30	54.3	52.1	53.3	48.3	5.0
	22.30-22.35	53.4	52.6	48.7	48.3	0.4
	22.35-22.40	54.3	52.7	52.2	48.6	3.6
	22.40-22.45	53.4	48.6	54.7	47.8	6.9
	22.45-22.50	54.0	52.8	50.8	48.0	2.8
	22.50-22.55	53.2	48.5	54.4	46.0	8.4
	22.55-23.00	53.1	48.9	54.0	47.1	6.9
15.	23.00-23.05	53.4	47.0	55.3	48.5	6.8
	23.05-23.10	54.2	48.3	55.9	48.8	7.1
	23.10-23.15	53.4	50.2	53.6	48.0	5.6
	23.15-23.20	53.0	49.5	53.4	47.2	6.2
	23.20-23.25	53.6	49.9	54.2	48.9	5.3
	23.25-23.30	53.2	49.6	53.7	48.8	4.9
	23.30-23.35	53.8	48.6	55.2	47.9	7.3
	23.35-23.40	53.3	48.3	54.6	47.0	7.6
	23.40-23.45	53.4	48.7	54.6	47.1	7.5
	23.45-23.50	52.7	49.6	52.8	48.3	4.5
	23.50-23.55	52.6	49.0	53.1	48.3	4.8
	23.55-00.00	52.1	49.3	51.9	48.7	3.2
Standard <sup>(1)(2)</sup>						10

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## TEST REPORT

(24/2-3)

Item	Time	Result (dB(A))				
		Tan Deaw of Tambon Health Promotion Hospital (N5)				
		ระดับเสียงขณะเกิดเสียง ของแหล่งกำเนิด (Leq)	ระดับเสียงขณะ ไม่มีการรบกวน (Leq)	ระดับเสียงขณะ มีการรบกวน	ระดับเสียงพื้นฐาน (L <sub>90</sub> )	ค่าระดับการรบกวน
		15-16/05/23	21-22/05/23	-	21-22/05/23	-
16.	00.00-00.05	54.9	50.7	55.8	48.9	6.9
	00.05-00.10	53.6	50.2	53.9	48.1	5.8
	00.10-00.15	53.4	50.0	53.7	47.2	6.5
	00.15-00.20	53.3	52.0	50.4	48.4	2.0
	00.20-00.25	53.6	52.2	51.0	48.7	2.3
	00.25-00.30	52.1	52.5	52.1	50.0	2.1
	00.30-00.35	51.8	52.5	51.8	50.0	1.8
	00.35-00.40	52.1	52.7	52.1	51.0	1.1
	00.40-00.45	52.2	53.5	52.2	50.9	1.3
	00.45-00.50	53.3	53.7	53.3	52.3	1.0
	00.50-00.55	54.6	52.3	53.7	50.2	3.5
	00.55-01.00	53.5	51.1	52.8	50.7	2.1
17.	01.00-01.05	54.1	51.1	54.1	50.6	3.5
	01.05-01.10	52.3	50.1	51.3	48.0	3.3
	01.10-01.15	51.6	49.1	51.0	47.5	3.5
	01.15-01.20	52.7	49.4	53.0	47.0	6.0
	01.20-01.25	52.9	48.6	53.9	46.7	7.2
	01.25-01.30	53.0	48.0	54.3	46.9	7.4
	01.30-01.35	52.7	48.0	53.9	46.9	7.0
	01.35-01.40	51.7	47.8	52.4	46.9	5.5
	01.40-01.45	52.1	49.5	51.6	48.7	2.9
	01.45-01.50	53.2	49.7	53.6	48.9	4.7
	01.50-01.55	52.0	49.7	51.1	48.6	2.5
	01.55-02.00	52.0	47.4	53.2	46.5	6.7
18.	02.00-02.05	52.1	49.9	51.1	46.7	4.4
	02.05-02.10	51.3	47.3	52.1	46.4	5.7
	02.10-02.15	51.3	49.5	49.6	46.4	3.2
	02.15-02.20	52.5	49.8	52.2	48.6	3.6
	02.20-02.25	52.5	49.6	52.4	48.6	3.8
	02.25-02.30	52.5	47.2	54.0	46.0	8.0
	02.30-02.35	52.5	49.1	52.8	48.8	4.0
	02.35-02.40	53.9	49.1	55.2	48.8	6.4
	02.40-02.45	54.4	49.4	55.7	48.0	7.7
	02.45-02.50	53.4	47.4	55.1	46.1	9.0
	02.50-02.55	53.5	48.1	55.0	47.9	7.1
	02.55-03.00	52.1	49.1	52.1	48.9	3.2
19.	03.00-03.05	51.1	47.0	52.0	45.8	6.2
	03.05-03.10	52.5	47.0	54.1	45.9	8.2
	03.10-03.15	52.5	47.1	54.0	46.1	7.9
	03.15-03.20	52.7	47.7	54.0	46.5	7.5
	03.20-03.25	52.7	47.2	54.3	46.3	8.0
	03.25-03.30	52.8	46.9	54.5	46.2	8.3
	03.30-03.35	52.1	48.6	52.5	46.0	6.5
	03.35-03.40	51.9	46.2	53.5	45.3	8.2
	03.40-03.45	51.4	46.3	52.8	45.1	7.7
	03.45-03.50	49.9	46.6	50.2	45.4	4.8
	03.50-03.55	49.8	47.4	49.1	45.8	3.3
	03.55-04.00	51.6	47.9	52.2	46.8	5.4
Standard <sup>(1)(2)</sup>						10

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## TEST REPORT

(24/3-3)

Item	Time	Result (dB(A))				
		Tan Deaw of Tambon Health Promotion Hospital (N5)				
		ระดับเสียงขณะเกิดเสียง ของแหล่งกำเนิด (Leq)	ระดับเสียงขณะ ไม่มีการรบกวน (Leq)	ระดับเสียงขณะ มีการรบกวน	ระดับเสียงพื้นฐาน (L <sub>90</sub> )	ค่าระดับการรบกวน
		15-16/05/23	21-22/05/23	-	21-22/05/23	-
20.	04.00-04.05	52.0	47.7	53.0	46.4	6.6
	04.05-04.10	52.1	47.0	53.5	45.9	7.6
	04.10-04.15	52.1	46.9	53.5	45.7	7.8
	04.15-04.20	51.4	47.4	52.2	45.9	6.3
	04.20-04.25	49.9	47.5	49.2	46.0	3.2
	04.25-04.30	50.3	47.6	50.0	46.3	3.7
	04.30-04.35	50.6	47.2	50.9	45.9	5.0
	04.35-04.40	50.7	48.0	50.4	46.4	4.0
	04.40-04.45	51.1	48.5	50.6	47.8	2.8
	04.45-04.50	51.0	50.6	43.4	48.9	-5.5
	04.50-04.55	51.1	50.4	45.8	48.3	-2.5
	04.55-05.00	52.0	50.6	49.4	48.3	1.1
21.	05.00-05.05	52.5	52.8	52.5	46.0	6.5
	05.05-05.10	53.7	47.2	55.6	45.9	9.7
	05.10-05.15	54.4	49.9	55.5	46.2	9.3
	05.15-05.20	53.6	48.3	55.1	46.5	8.6
	05.20-05.25	53.2	47.4	54.9	46.1	8.8
	05.25-05.30	53.2	47.8	54.7	46.3	8.4
	05.30-05.35	53.6	47.7	55.3	46.3	9.0
	05.35-05.40	53.2	47.0	55.0	45.7	9.3
	05.40-05.45	54.6	49.9	55.8	46.5	9.3
	05.45-05.50	52.3	47.5	53.6	46.1	7.5
	05.50-05.55	54.3	48.4	56.0	46.1	9.9
	05.55-06.00	53.7	50.1	54.2	45.7	8.5
22.	06.00-07.00	54.5	49.4	52.9	45.5	7.4
23.	07.00-08.00	54.8	55.5	54.8	48.9	5.9
24.	08.00-09.00	55.0	56.3	55.0	52.9	2.1
Standard <sup>(1)(2)</sup>						10

Standard : <sup>(1)</sup> Notification of the National Environment Board No. 29 (2007) (B.E. 2550)

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

Remark : Reference to Pollution Control Department (2022) (B.E. 2565)

Wannasiri S.

Wannasiri Suriyawong



Somchai P.

Somchai Piyavorasakul  
General Manager

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## TEST REPORT

Customer Name : Thai Acrylic Fibre Co., Ltd.

Report No. : 1465/2023/25-29

Project : Acrylic Fiber Production Plant Project  
(Expansion 3<sup>rd</sup>)

Report Date : May 29, 2023

Sampling Date : May 15-22, 2023

Address : No. 54 Moo 5 Sudbantad Road, T. Tan-Deaw  
Kaengkhoi Saraburi 18110

Type of Sample : เสียงรบกวน

Contact : Tel. (036) 240-100 Ext. 444

Job No. : S660162/May/1

(25/1-3)

Item	Time	Result (dB(A))				
		Tan Deaw of Tambon Health Promotion Hospital (N5)				
		ระดับเสียงขณะเกิดเสียง ของแหล่งกำเนิด (Leq)	ระดับเสียงขณะ ไม่มีการรบกวน (Leq)	ระดับเสียงขณะ มีการรบกวน	ระดับเสียงพื้นฐาน (L <sub>90</sub> )	ค่าระดับการรบกวน
		16-17/05/23	21-22/05/23	-	21-22/05/23	-
1.	09.00-10.00	52.5	50.5	48.2	48.7	-0.5
2.	10.00-11.00	52.1	48.9	49.3	47.8	1.5
3.	11.00-12.00	52.2	48.8	49.5	47.5	2.0
4.	12.00-13.00	55.0	48.2	54.0	47.3	6.7
5.	13.00-14.00	55.9	48.0	55.1	46.7	8.4
6.	14.00-15.00	55.2	48.0	54.3	46.6	7.7
7.	15.00-16.00	56.3	50.8	54.9	47.1	7.8
8.	16.00-17.00	56.5	49.0	55.6	46.6	9.0
9.	17.00-18.00	56.8	51.3	55.4	45.9	9.5
10.	18.00-19.00	52.7	54.5	52.7	46.1	6.6
11.	19.00-20.00	50.4	55.6	50.4	52.0	-1.6
12.	20.00-21.00	52.7	55.8	52.7	52.5	0.2
13.	21.00-22.00	52.7	55.9	52.7	48.2	4.5
14.	22.00-22.05	52.8	53.2	52.8	48.4	4.4
	22.05-22.10	51.9	53.2	51.9	48.1	3.8
	22.10-22.15	51.5	53.2	51.5	48.0	3.5
	22.15-22.20	50.9	53.7	50.9	48.5	2.4
	22.20-22.25	51.2	52.1	51.2	48.2	3.0
	22.25-22.30	52.0	52.1	52.0	48.3	3.7
	22.30-22.35	50.8	52.6	50.8	48.3	2.5
	22.35-22.40	51.6	52.7	51.6	48.6	3.0
	22.40-22.45	51.9	48.6	52.2	47.8	4.4
	22.45-22.50	52.5	52.8	52.5	48.0	4.5
	22.50-22.55	52.2	48.5	52.8	46.0	6.8
	22.55-23.00	52.3	48.9	52.6	47.1	5.5
15.	23.00-23.05	52.4	47.0	53.9	48.5	5.4
	23.05-23.10	51.7	48.3	52.0	48.8	3.2
	23.10-23.15	53.3	50.2	53.4	48.0	5.4
	23.15-23.20	52.6	49.5	52.7	47.2	5.5
	23.20-23.25	51.3	49.9	48.7	48.9	-0.2
	23.25-23.30	51.4	49.6	49.7	48.8	0.9
	23.30-23.35	52.2	48.6	52.7	47.9	4.8
	23.35-23.40	50.8	48.3	50.2	47.0	3.2
	23.40-23.45	49.5	48.7	44.8	47.1	-2.3
	23.45-23.50	49.7	49.6	36.3	48.3	-12.0
	23.50-23.55	50.6	49.0	48.5	48.3	0.2
	23.55-00.00	51.2	49.3	49.7	48.7	1.0
Standard <sup>(1)(2)</sup>						10

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## TEST REPORT

(25/2-3)

Item	Time	Result (dB(A))				
		Tan Deaw of Tambon Health Promotion Hospital (N5)				
		ระดับเสียงขณะเกิดเสียง ของแหล่งกำเนิด (Leq)	ระดับเสียงขณะ ไม่มีการรบกวน (Leq)	ระดับเสียงขณะ มีการรบกวน	ระดับเสียงพื้นฐาน (L <sub>90</sub> )	ค่าระดับการรบกวน
		16-17/05/23	21-22/05/23	-	21-22/05/23	-
16.	00.00-00.05	49.6	50.7	49.6	48.9	0.7
	00.05-00.10	51.1	50.2	46.8	48.1	-1.3
	00.10-00.15	50.6	50.0	44.7	47.2	-2.5
	00.15-00.20	50.5	52.0	50.5	48.4	2.1
	00.20-00.25	50.5	52.2	50.5	48.7	1.8
	00.25-00.30	49.8	52.5	49.8	50.0	-0.2
	00.30-00.35	51.1	52.5	51.1	50.0	1.1
	00.35-00.40	50.6	52.7	50.6	51.0	-0.4
	00.40-00.45	51.2	53.5	51.2	50.9	0.3
	00.45-00.50	50.4	53.7	50.4	52.3	-1.9
	00.50-00.55	49.1	52.3	49.1	50.2	-1.1
	00.55-01.00	50.0	51.1	50.0	50.7	-0.7
17.	01.00-01.05	49.1	51.1	49.1	50.6	-1.5
	01.05-01.10	49.1	50.1	49.1	48.0	1.1
	01.10-01.15	49.4	49.1	40.6	47.5	-6.9
	01.15-01.20	49.3	49.4	49.3	47.0	2.3
	01.20-01.25	49.2	48.6	43.3	46.7	-3.4
	01.25-01.30	48.9	48.0	44.6	46.9	-2.3
	01.30-01.35	48.9	48.0	44.6	46.9	-2.3
	01.35-01.40	48.7	47.8	44.4	46.9	-2.5
	01.40-01.45	49.2	49.5	49.2	48.7	0.5
	01.45-01.50	49.3	49.7	49.3	48.9	0.4
	01.50-01.55	50.3	49.7	44.4	48.6	-4.2
	01.55-02.00	49.3	47.4	47.8	46.5	1.3
18.	02.00-02.05	49.3	49.9	49.3	46.7	2.6
	02.05-02.10	50.5	47.3	50.7	46.4	4.3
	02.10-02.15	49.9	49.5	42.3	46.4	-4.1
	02.15-02.20	49.4	49.8	49.4	48.6	0.8
	02.20-02.25	49.6	49.6	49.6	48.6	1.0
	02.25-02.30	49.9	47.2	49.6	46.0	3.6
	02.30-02.35	50.0	49.1	45.7	48.8	-3.1
	02.35-02.40	49.7	49.1	43.8	48.8	-5.0
	02.40-02.45	49.2	49.4	49.2	48.0	1.2
	02.45-02.50	48.8	47.4	46.2	46.1	0.1
	02.50-02.55	50.3	48.1	49.3	47.9	1.4
	02.55-03.00	49.5	49.1	41.9	48.9	-7.0
19.	03.00-03.05	50.1	47.0	50.2	45.8	4.4
	03.05-03.10	48.7	47.0	46.8	45.9	0.9
	03.10-03.15	49.5	47.1	48.8	46.1	2.7
	03.15-03.20	49.6	47.7	48.1	46.5	1.6
	03.20-03.25	49.3	47.2	48.1	46.3	1.8
	03.25-03.30	50.1	46.9	50.3	46.2	4.1
	03.30-03.35	49.1	48.6	42.5	46.0	-3.5
	03.35-03.40	49.5	46.2	49.8	45.3	4.5
	03.40-03.45	48.7	46.3	48.0	45.1	2.9
	03.45-03.50	49.0	46.6	48.3	45.4	2.9
	03.50-03.55	49.8	47.4	49.1	45.8	3.3
	03.55-04.00	50.2	47.9	49.3	46.8	2.5
Standard <sup>(1)(2)</sup>						10

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## TEST REPORT

(25/3-3)

Item	Time	Result (dB(A))				
		Tan Deaw of Tambon Health Promotion Hospital (N5)				
		ระดับเสียงขณะเกิดเสียง ของแหล่งกำเนิด (Leq)	ระดับเสียงขณะ ไม่มีการรบกวน (Leq)	ระดับเสียงขณะ มีการรบกวน	ระดับเสียงพื้นฐาน (L <sub>90</sub> )	ค่าระดับการรบกวน
		16-17/05/23	21-22/05/23	-	21-22/05/23	-
20.	04.00-04.05	49.8	47.7	48.6	46.4	2.2
	04.05-04.10	49.6	47.0	49.1	45.9	3.2
	04.10-04.15	49.2	46.9	48.3	45.7	2.6
	04.15-04.20	49.1	47.4	47.2	45.9	1.3
	04.20-04.25	49.0	47.5	46.7	46.0	0.7
	04.25-04.30	49.6	47.6	48.3	46.3	2.0
	04.30-04.35	49.7	47.2	49.1	45.9	3.2
	04.35-04.40	48.6	48.0	42.7	46.4	-3.7
	04.40-04.45	48.8	48.5	40.0	47.8	-7.8
	04.45-04.50	48.4	50.6	48.4	48.9	-0.5
	04.50-04.55	49.4	50.4	49.4	48.3	1.1
	04.55-05.00	50.4	50.6	50.4	48.3	2.1
21.	05.00-05.05	52.6	52.8	52.6	46.0	6.6
	05.05-05.10	51.6	47.2	52.6	45.9	6.7
	05.10-05.15	51.8	49.9	50.3	46.2	4.1
	05.15-05.20	52.9	48.3	54.1	46.5	7.6
	05.20-05.25	51.8	47.4	52.8	46.1	6.7
	05.25-05.30	50.9	47.8	51.0	46.3	4.7
	05.30-05.35	48.2	47.7	41.6	46.3	-4.7
	05.35-05.40	50.5	47.0	50.9	45.7	5.2
	05.40-05.45	51.1	49.9	47.9	46.5	1.4
	05.45-05.50	49.5	47.5	48.2	46.1	2.1
	05.50-05.55	49.4	48.4	45.5	46.1	-0.6
	05.55-06.00	49.4	50.1	49.4	45.7	3.7
22.	06.00-07.00	50.3	49.4	43.0	45.5	-2.5
23.	07.00-08.00	53.5	55.5	53.5	48.9	4.6
24.	08.00-09.00	53.9	56.3	53.9	52.9	1.0
Standard <sup>(1)/(2)</sup>						10

Standard : <sup>(1)</sup> Notification of the National Environment Board No. 29 (2007) (B.E. 2550)

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

Remark : Reference to Pollution Control Department (2022) (B.E. 2565)

Wannasiri S.

Wannasiri Suriyawong



Somchai P.

Somchai Piyavorasakul  
General Manager

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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

## TEST REPORT

Customer Name : Thai Acrylic Fibre Co., Ltd. Report No. : 1465/2023/26-29  
Project : Acrylic Fiber Production Plant Project Report Date : May 29, 2023  
(Expansion 3<sup>rd</sup>) Sampling Date : May 15-22, 2023  
Address : No. 54 Moo 5 Sudbantad Road, T. Tan-Deaw Type of Sample : เสียงรบกวน  
Kaengkhoi Saraburi 18110  
Contact : Tel. (036) 240-100 Ext. 444  
Job No. : S660162/May/1

(26/1-3)

Item	Time	Result (dB(A))				
		Tan Deaw of Tambon Health Promotion Hospital (N5)				
		ระดับเสียงขณะเกิดเสียง ของแหล่งกำเนิด (Leq)	ระดับเสียงขณะ ไม่มีการรบกวน (Leq)	ระดับเสียงขณะ มีการรบกวน	ระดับเสียงพื้นฐาน (L <sub>90</sub> )	ค่าระดับการรบกวน
		17-18/05/23	21-22/05/23	-	21-22/05/23	-
1.	09.00-10.00	54.2	50.5	51.8	48.7	3.1
2.	10.00-11.00	55.9	48.9	54.9	47.8	7.1
3.	11.00-12.00	50.0	48.8	43.8	47.5	-3.7
4.	12.00-13.00	51.9	48.2	49.5	47.3	2.2
5.	13.00-14.00	45.7	48.0	45.7	46.7	-1.0
6.	14.00-15.00	54.7	48.0	53.7	46.6	7.1
7.	15.00-16.00	54.9	50.8	52.8	47.1	5.7
8.	16.00-17.00	52.0	49.0	49.0	46.6	2.4
9.	17.00-18.00	55.3	51.3	53.1	45.9	7.2
10.	18.00-19.00	54.3	54.5	54.3	46.1	8.2
11.	19.00-20.00	51.1	55.6	51.1	52.0	-0.9
12.	20.00-21.00	53.3	55.8	53.3	52.5	0.8
13.	21.00-22.00	52.4	55.9	52.4	48.2	4.2
14.	22.00-22.05	52.5	53.2	52.5	48.4	4.1
	22.05-22.10	53.1	53.2	53.1	48.1	5.0
	22.10-22.15	53.0	53.2	53.0	48.0	5.0
	22.15-22.20	51.4	53.7	51.4	48.5	2.9
	22.20-22.25	52.4	52.1	43.6	48.2	-4.6
	22.25-22.30	51.9	52.1	51.9	48.3	3.6
	22.30-22.35	52.0	52.6	52.0	48.3	3.7
	22.35-22.40	52.6	52.7	52.6	48.6	4.0
	22.40-22.45	51.9	48.6	52.2	47.8	4.4
	22.45-22.50	52.4	52.8	52.4	48.0	4.4
	22.50-22.55	51.9	48.5	52.2	46.0	6.2
	22.55-23.00	52.0	48.9	52.1	47.1	5.0
15.	23.00-23.05	51.2	47.0	52.1	48.5	3.6
	23.05-23.10	51.0	48.3	50.7	48.8	1.9
	23.10-23.15	51.1	50.2	46.8	48.0	-1.2
	23.15-23.20	49.7	49.5	39.2	47.2	-8.0
	23.20-23.25	50.6	49.9	45.3	48.9	-3.6
	23.25-23.30	49.9	49.6	41.1	48.8	-7.7
	23.30-23.35	50.1	48.6	47.8	47.9	-0.1
	23.35-23.40	49.7	48.3	47.1	47.0	0.1
	23.40-23.45	49.3	48.7	43.4	47.1	-3.7
	23.45-23.50	49.3	49.6	49.3	48.3	1.0
	23.50-23.55	49.9	49.0	45.6	48.3	-2.7
	23.55-00.00	49.5	49.3	39.0	48.7	-9.7
Standard <sup>(1)(2)</sup>						10

- REPORTED RESULTS REFER TO SUBMITTED SAMPLE(S) ONLY
- DO NOT COPY PARTIAL OF THIS ANALYSIS REPORT WITHOUT OFFICIAL APPROVAL



## TEST REPORT

(26/2-3)

Item	Time	Result (dB(A))				
		Tan Deaw of Tambon Health Promotion Hospital (N5)				
		ระดับเสียงขณะเกิดเสียง ของแหล่งกำเนิด (Leq)	ระดับเสียงขณะ ไม่มีการรบกวน (Leq)	ระดับเสียงขณะ มีการรบกวน	ระดับเสียงพื้นฐาน (L <sub>90</sub> )	ค่าระดับการรบกวน
		17-18/05/23	21-22/05/23	-	21-22/05/23	-
16.	00.00-00.05	48.5	50.7	48.5	48.9	-0.4
	00.05-00.10	49.1	50.2	49.1	48.1	1.0
	00.10-00.15	50.7	50.0	45.4	47.2	-1.8
	00.15-00.20	50.4	52.0	50.4	48.4	2.0
	00.20-00.25	51.1	52.2	51.1	48.7	2.4
	00.25-00.30	50.0	52.5	50.0	50.0	0.0
	00.30-00.35	51.5	52.5	51.5	50.0	1.5
	00.35-00.40	49.6	52.7	49.6	51.0	-1.4
	00.40-00.45	50.0	53.5	50.0	50.9	-0.9
	00.45-00.50	50.5	53.7	50.5	52.3	-1.8
17.	00.50-00.55	50.5	52.3	50.5	50.2	0.3
	00.55-01.00	49.2	51.1	49.2	50.7	-1.5
	01.00-01.05	48.9	51.1	48.9	50.6	-1.7
	01.05-01.10	49.5	50.1	49.5	48.0	1.5
	01.10-01.15	48.7	49.1	48.7	47.5	1.2
	01.15-01.20	48.3	49.4	48.3	47.0	1.3
	01.20-01.25	49.3	48.6	44.0	46.7	-2.7
	01.25-01.30	49.6	48.0	47.5	46.9	0.6
	01.30-01.35	49.6	48.0	47.5	46.9	0.6
	01.35-01.40	49.4	47.8	47.3	46.9	0.4
18.	01.40-01.45	49.1	49.5	49.1	48.7	0.4
	01.45-01.50	49.3	49.7	49.3	48.9	0.4
	01.50-01.55	49.3	49.7	49.3	48.6	0.7
	01.55-02.00	49.0	47.4	46.9	46.5	0.4
	02.00-02.05	49.5	49.9	49.5	46.7	2.8
	02.05-02.10	48.9	47.3	46.8	46.4	0.4
	02.10-02.15	49.1	49.5	49.1	46.4	2.7
	02.15-02.20	48.4	49.8	48.4	48.6	-0.2
	02.20-02.25	48.2	49.6	48.2	48.6	-0.4
	02.25-02.30	48.8	47.2	46.7	46.0	0.7
19.	02.30-02.35	48.7	49.1	48.7	48.8	-0.1
	02.35-02.40	48.7	49.1	48.7	48.8	-0.1
	02.40-02.45	49.0	49.4	49.0	48.0	1.0
	02.45-02.50	49.0	47.4	46.9	46.1	0.8
	02.50-02.55	49.7	48.1	47.6	47.9	-0.3
	02.55-03.00	48.7	49.1	48.7	48.9	-0.2
	03.00-03.05	48.6	47.0	46.5	45.8	0.7
	03.05-03.10	48.6	47.0	46.5	45.9	0.6
	03.10-03.15	48.7	47.1	46.6	46.1	0.5
	03.15-03.20	49.3	47.7	47.2	46.5	0.7
	03.20-03.25	48.8	47.2	46.7	46.3	0.4
	03.25-03.30	48.5	46.9	46.4	46.2	0.2
	03.30-03.35	50.2	48.6	48.1	46.0	2.1
	03.35-03.40	47.8	46.2	45.7	45.3	0.4
	03.40-03.45	47.9	46.3	45.8	45.1	0.7
	03.45-03.50	48.2	46.6	46.1	45.4	0.7
	03.50-03.55	49.0	47.4	46.9	45.8	1.1
	03.55-04.00	49.5	47.9	47.4	46.8	0.6
Standard <sup>(1)(2)</sup>						10

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## TEST REPORT

(26/3-3)

Item	Time	Result (dB(A))				
		Tan Deaw of Tambon Health Promotion Hospital (N5)				
		ระดับเสียงขณะเกิดเสียง ของแหล่งกำเนิด (Leq)	ระดับเสียงขณะ ไม่มีการรบกวน (Leq)	ระดับเสียงขณะ มีการรบกวน	ระดับเสียงพื้นฐาน (L <sub>90</sub> )	ค่าระดับการรบกวน
		17-18/05/23	21-22/05/23	-	21-22/05/23	-
20.	04.00-04.05	49.3	47.7	47.2	46.4	0.8
	04.05-04.10	48.6	47.0	46.5	45.9	0.6
	04.10-04.15	48.5	46.9	46.4	45.7	0.7
	04.15-04.20	49.0	47.4	46.9	45.9	1.0
	04.20-04.25	49.1	47.5	47.0	46.0	1.0
	04.25-04.30	49.2	47.6	47.1	46.3	0.8
	04.30-04.35	48.8	47.2	46.7	45.9	0.8
	04.35-04.40	52.6	48.0	53.8	46.4	7.4
	04.40-04.45	52.1	48.5	52.6	47.8	4.8
	04.45-04.50	52.2	50.6	50.1	48.9	1.2
	04.50-04.55	50.0	50.4	50.0	48.3	1.7
	04.55-05.00	51.2	50.6	45.3	48.3	-3.0
21.	05.00-05.05	52.4	52.8	52.4	46.0	6.4
	05.05-05.10	48.8	47.2	46.7	45.9	0.8
	05.10-05.15	51.5	49.9	49.4	46.2	3.2
	05.15-05.20	49.9	48.3	47.8	46.5	1.3
	05.20-05.25	49.0	47.4	46.9	46.1	0.8
	05.25-05.30	49.4	47.8	47.3	46.3	1.0
	05.30-05.35	49.3	47.7	47.2	46.3	0.9
	05.35-05.40	48.6	47.0	46.5	45.7	0.8
	05.40-05.45	51.5	49.9	49.4	46.5	2.9
	05.45-05.50	49.1	47.5	47.0	46.1	0.9
	05.50-05.55	50.0	48.4	47.9	46.1	1.8
	05.55-06.00	51.7	50.1	49.6	45.7	3.9
22.	06.00-07.00	50.7	49.4	44.8	45.5	-0.7
23.	07.00-08.00	54.1	55.5	54.1	48.9	5.2
24.	08.00-09.00	53.0	56.3	53.0	52.9	0.1
Standard <sup>(1)(2)</sup>						10

Standard : <sup>(1)</sup> Notification of the National Environment Board No. 29 (2007) (B.E. 2550)

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

Remark : Reference to Pollution Control Department (2022) (B.E. 2565)

Wannasiri S.

Wannasiri Suriyawong



Somchai P.

Somchai Piyavorasakul  
General Manager

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## TEST REPORT

Customer Name : Thai Acrylic Fibre Co., Ltd. Report No. : 1465/2023/27-29  
Project : Acrylic Fiber Production Plant Project Report Date : May 29, 2023  
(Expansion 3<sup>rd</sup>) Sampling Date : May 15-22, 2023  
Address : No. 54 Moo 5 Sudbantad Road, T. Tan-Deaw Type of Sample : เสียงรบกวน  
Kaengkhoi Saraburi 18110  
Contact : Tel. (036) 240-100 Ext. 444  
Job No. : S660162/May/1

(27/1-3)

Item	Time	Result (dB(A))				
		Tan Deaw of Tambon Health Promotion Hospital (N5)				
		ระดับเสียงขณะเกิดเสียง ของแหล่งกำเนิด (Leq)	ระดับเสียงขณะ ไม่มีการรบกวน (Leq)	ระดับเสียงขณะ มีการรบกวน	ระดับเสียงพื้นฐาน (L <sub>90</sub> )	ค่าระดับการรบกวน
		18-19/05/23	21-22/05/23	-	21-22/05/23	-
1.	09.00-10.00	56.8	50.5	55.6	48.7	6.9
2.	10.00-11.00	54.1	48.9	52.5	47.8	4.7
3.	11.00-12.00	55.2	48.8	54.1	47.5	6.6
4.	12.00-13.00	54.4	48.2	53.2	47.3	5.9
5.	13.00-14.00	52.5	48.0	50.6	46.7	3.9
6.	14.00-15.00	54.0	48.0	52.7	46.6	6.1
7.	15.00-16.00	57.3	50.8	56.2	47.1	9.1
8.	16.00-17.00	53.3	49.0	51.3	46.6	4.7
9.	17.00-18.00	52.3	51.3	45.4	45.9	-0.5
10.	18.00-19.00	55.2	54.5	46.9	46.1	0.8
11.	19.00-20.00	58.5	55.6	55.4	52.0	3.4
12.	20.00-21.00	54.8	55.8	54.8	52.5	2.3
13.	21.00-22.00	51.5	55.9	51.5	48.2	3.3
14.	22.00-22.05	52.4	53.2	52.4	48.4	4.0
	22.05-22.10	48.6	53.2	48.6	48.1	0.5
	22.10-22.15	49.2	53.2	49.2	48.0	1.2
	22.15-22.20	49.0	53.7	49.0	48.5	0.5
	22.20-22.25	48.3	52.1	48.3	48.2	0.1
	22.25-22.30	47.0	52.1	47.0	48.3	-1.3
	22.30-22.35	52.5	52.6	52.5	48.3	4.2
	22.35-22.40	52.0	52.7	52.0	48.6	3.4
	22.40-22.45	46.9	48.6	46.9	47.8	-0.9
	22.45-22.50	51.0	52.8	51.0	48.0	3.0
	22.50-22.55	47.4	48.5	47.4	46.0	1.4
	22.55-23.00	50.5	48.9	48.4	47.1	1.3
15.	23.00-23.05	52.4	47.0	53.9	48.5	5.4
	23.05-23.10	52.4	48.3	53.3	48.8	4.5
	23.10-23.15	49.7	50.2	49.7	48.0	1.7
	23.15-23.20	49.2	49.5	49.2	47.2	2.0
	23.20-23.25	48.4	49.9	48.4	48.9	-0.5
	23.25-23.30	50.0	49.6	42.4	48.8	-6.4
	23.30-23.35	52.8	48.6	53.7	47.9	5.8
	23.35-23.40	48.6	48.3	39.8	47.0	-7.2
	23.40-23.45	52.5	48.7	53.2	47.1	6.1
	23.45-23.50	48.1	49.6	48.1	48.3	-0.2
	23.50-23.55	50.9	49.0	49.4	48.3	1.1
	23.55-00.00	52.4	49.3	52.5	48.7	3.8
Standard <sup>(1)(2)</sup>						10

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## TEST REPORT

(27/2-3)

Item	Time	Result (dB(A))				
		Tan Deaw of Tambon Health Promotion Hospital (N5)				
		ระดับเสียงขณะเกิดเสียง ของแหล่งกำเนิด (Leq)	ระดับเสียงขณะ ไม่มีการรบกวน (Leq)	ระดับเสียงขณะ มีการรบกวน	ระดับเสียงพื้นฐาน (L <sub>90</sub> )	ค่าระดับการรบกวน
		18-19/05/23	21-22/05/23	-	21-22/05/23	-
16.	00.00-00.05	52.3	50.7	50.2	48.9	1.3
	00.05-00.10	52.5	50.2	51.6	48.1	3.5
	00.10-00.15	52.1	50.0	50.9	47.2	3.7
	00.15-00.20	48.0	52.0	48.0	48.4	-0.4
	00.20-00.25	48.1	52.2	48.1	48.7	-0.6
	00.25-00.30	50.3	52.5	50.3	50.0	0.3
	00.30-00.35	47.8	52.5	47.8	50.0	-2.2
	00.35-00.40	53.5	52.7	48.8	51.0	-2.2
	00.40-00.45	53.4	53.5	53.4	50.9	2.5
	00.45-00.50	53.8	53.7	40.4	52.3	-11.9
	00.50-00.55	51.9	52.3	51.9	50.2	1.7
	00.55-01.00	53.5	51.1	52.8	50.7	2.1
17.	01.00-01.05	48.6	51.1	48.6	50.6	-2.0
	01.05-01.10	46.9	50.1	46.9	48.0	-1.1
	01.10-01.15	51.4	49.1	50.5	47.5	3.0
	01.15-01.20	50.7	49.4	47.8	47.0	0.8
	01.20-01.25	52.6	48.6	53.4	46.7	6.7
	01.25-01.30	50.5	48.0	49.9	46.9	3.0
	01.30-01.35	47.6	48.0	47.6	46.9	0.7
	01.35-01.40	45.3	47.8	45.3	46.9	-1.6
	01.40-01.45	46.6	49.5	46.6	48.7	-2.1
	01.45-01.50	48.2	49.7	48.2	48.9	-0.7
	01.50-01.55	49.4	49.7	49.4	48.6	0.8
	01.55-02.00	52.0	47.4	53.2	46.5	6.7
18.	02.00-02.05	52.8	49.9	52.7	46.7	6.0
	02.05-02.10	52.8	47.3	54.4	46.4	8.0
	02.10-02.15	47.2	49.5	47.2	46.4	0.8
	02.15-02.20	47.3	49.8	47.3	48.6	-1.3
	02.20-02.25	52.5	49.6	52.4	48.6	3.8
	02.25-02.30	48.9	47.2	47.0	46.0	1.0
	02.30-02.35	49.8	49.1	44.5	48.8	-4.3
	02.35-02.40	52.3	49.1	52.5	48.8	3.7
	02.40-02.45	49.3	49.4	49.3	48.0	1.3
	02.45-02.50	49.0	47.4	46.9	46.1	0.8
	02.50-02.55	50.4	48.1	49.5	47.9	1.6
	02.55-03.00	53.3	49.1	54.2	48.9	5.3
19.	03.00-03.05	53.0	47.0	54.7	45.8	8.9
	03.05-03.10	52.3	47.0	53.8	45.9	7.9
	03.10-03.15	49.3	47.1	48.3	46.1	2.2
	03.15-03.20	48.0	47.7	39.2	46.5	-7.3
	03.20-03.25	51.2	47.2	52.0	46.3	5.7
	03.25-03.30	52.6	46.9	54.2	46.2	8.0
	03.30-03.35	49.5	48.6	45.2	46.0	-0.8
	03.35-03.40	49.1	46.2	49.0	45.3	3.7
	03.40-03.45	46.6	46.3	37.8	45.1	-7.3
	03.45-03.50	48.9	46.6	48.0	45.4	2.6
	03.50-03.55	47.4	47.4	47.4	45.8	1.6
	03.55-04.00	47.2	47.9	47.2	46.8	0.4
Standard <sup>(1)(2)</sup>						10

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## TEST REPORT

(27/3-3)

Item	Time	Result (dB(A))				
		Tan Deaw of Tambon Health Promotion Hospital (N5)				
		ระดับเสียงขณะเกิดเสียง ของแหล่งกำเนิด (Leq)	ระดับเสียงขณะ ไม่มีการรบกวน (Leq)	ระดับเสียงขณะ มีการรบกวน	ระดับเสียงพื้นฐาน (L <sub>90</sub> )	ค่าระดับการรบกวน
		18-19/05/23	21-22/05/23	-	21-22/05/23	-
20.	04.00-04.05	47.0	47.7	47.0	46.4	0.6
	04.05-04.10	47.5	47.0	40.9	45.9	-5.0
	04.10-04.15	47.4	46.9	40.8	45.7	-4.9
	04.15-04.20	47.2	47.4	47.2	45.9	1.3
	04.20-04.25	49.0	47.5	46.7	46.0	0.7
	04.25-04.30	48.7	47.6	45.2	46.3	-1.1
	04.30-04.35	49.6	47.2	48.9	45.9	3.0
	04.35-04.40	51.2	48.0	51.4	46.4	5.0
	04.40-04.45	52.9	48.5	53.9	47.8	6.1
	04.45-04.50	52.9	50.6	52.0	48.9	3.1
	04.50-04.55	52.6	50.4	51.6	48.3	3.3
	04.55-05.00	52.1	50.6	49.8	48.3	1.5
21.	05.00-05.05	53.0	52.8	42.5	46.0	-3.5
	05.05-05.10	52.8	47.2	54.4	45.9	8.5
	05.10-05.15	53.1	49.9	53.3	46.2	7.1
	05.15-05.20	53.1	48.3	54.4	46.5	7.9
	05.20-05.25	53.1	47.4	54.7	46.1	8.6
	05.25-05.30	52.6	47.8	53.9	46.3	7.6
	05.30-05.35	49.0	47.7	46.1	46.3	-0.2
	05.35-05.40	49.7	47.0	49.4	45.7	3.7
	05.40-05.45	50.0	49.9	36.6	46.5	-9.9
	05.45-05.50	49.5	47.5	48.2	46.1	2.1
	05.50-05.55	49.1	48.4	43.8	46.1	-2.3
	05.55-06.00	51.9	50.1	50.2	45.7	4.5
22.	06.00-07.00	54.1	49.4	52.3	45.5	6.8
23.	07.00-08.00	54.8	55.5	54.8	48.9	5.9
24.	08.00-09.00	54.1	56.3	54.1	52.9	1.2
Standard <sup>(1)/(2)</sup>						10

Standard : <sup>(1)</sup> Notification of the National Environment Board No. 29 (2007) (B.E. 2550)

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

Remark : Reference to Pollution Control Department (2022) (B.E. 2565)

Wannasiri S.

Wannasiri Suriyawong



Somchai P.

Somchai Piyavorasakul  
General Manager

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## TEST REPORT

Customer Name : Thai Acrylic Fibre Co., Ltd.

Report No. : 1465/2023/28-29

Project : Acrylic Fiber Production Plant Project  
(Expansion 3<sup>rd</sup>)

Report Date : May 29, 2023

Sampling Date : May 15-22, 2023

Address : No. 54 Moo 5 Sudbantad Road, T. Tan-Deaw  
Kaengkhoh Saraburi 18110

Type of Sample : เสียงรบกวน

Contact : Tel. (036) 240-100 Ext. 444

Job No. : S660162/May/1

(28/1-3)

Item	Time	Result (dB(A))				
		Tan Deaw of Tambon Health Promotion Hospital (N5)				
		ระดับเสียงขณะเกิดเสียง ของแหล่งกำเนิด (Leq)	ระดับเสียงขณะ ไม่มีการรบกวน (Leq)	ระดับเสียงขณะ มีการรบกวน	ระดับเสียงพื้นฐาน (L <sub>90</sub> )	ค่าระดับการรบกวน
		19-20/05/23	21-22/05/23	-	21-22/05/23	-
1.	09.00-10.00	52.6	50.5	48.4	48.7	-0.3
2.	10.00-11.00	52.4	48.9	49.8	47.8	2.0
3.	11.00-12.00	52.0	48.8	49.2	47.5	1.7
4.	12.00-13.00	51.3	48.2	48.4	47.3	1.1
5.	13.00-14.00	52.1	48.0	50.0	46.7	3.3
6.	14.00-15.00	50.4	48.0	46.7	46.6	0.1
7.	15.00-16.00	51.8	50.8	44.9	47.1	-2.2
8.	16.00-17.00	53.7	49.0	51.9	46.6	5.3
9.	17.00-18.00	55.0	51.3	52.6	45.9	6.7
10.	18.00-19.00	55.0	54.5	45.4	46.1	-0.7
11.	19.00-20.00	52.0	55.6	52.0	52.0	0.0
12.	20.00-21.00	52.5	55.8	52.5	52.5	0.0
13.	21.00-22.00	49.2	55.9	49.2	48.2	1.0
14.	22.00-22.05	52.1	53.2	52.1	48.4	3.7
	22.05-22.10	46.3	53.2	46.3	48.1	-1.8
	22.10-22.15	46.9	53.2	46.9	48.0	-1.1
	22.15-22.20	46.7	53.7	46.7	48.5	-1.8
	22.20-22.25	46.0	52.1	46.0	48.2	-2.2
	22.25-22.30	48.6	52.1	48.6	48.3	0.3
	22.30-22.35	48.8	52.6	48.8	48.3	0.5
	22.35-22.40	49.0	52.7	49.0	48.6	0.4
	22.40-22.45	49.0	48.6	41.4	47.8	-6.4
	22.45-22.50	46.0	52.8	46.0	48.0	-2.0
	22.50-22.55	45.8	48.5	45.8	46.0	-0.2
	22.55-23.00	48.1	48.9	48.1	47.1	1.0
15.	23.00-23.05	44.7	47.0	44.7	48.5	-3.8
	23.05-23.10	52.2	48.3	52.9	48.8	4.1
	23.10-23.15	51.7	50.2	49.4	48.0	1.4
	23.15-23.20	46.7	49.5	46.7	47.2	-0.5
	23.20-23.25	48.6	49.9	48.6	48.9	-0.3
	23.25-23.30	48.6	49.6	48.6	48.8	-0.2
	23.30-23.35	48.3	48.6	48.3	47.9	0.4
	23.35-23.40	51.3	48.3	51.3	47.0	4.3
	23.40-23.45	51.4	48.7	51.1	47.1	4.0
	23.45-23.50	52.1	49.6	51.5	48.3	3.2
	23.50-23.55	44.6	49.0	44.6	48.3	-3.7
	23.55-00.00	48.7	49.3	48.7	48.7	0.0
Standard <sup>(1)(2)</sup>						10



## TEST REPORT

(28/2-3)

Item	Time	Result (dB(A))				
		Tan Deaw of Tambon Health Promotion Hospital (N5)				
		ระดับเสียงขณะเกิดเสียง ของแหล่งกำเนิด (Leq)	ระดับเสียงขณะ ไม่มีการรบกวน (Leq)	ระดับเสียงขณะ มีการรบกวน	ระดับเสียงพื้นฐาน (L <sub>90</sub> )	ค่าระดับการรบกวน
		19-20/05/23	21-22/05/23	-	21-22/05/23	-
16.	00.00-00.05	45.1	50.7	45.1	48.9	-3.8
	00.05-00.10	48.2	50.2	48.2	48.1	0.1
	00.10-00.15	50.0	50.0	50.0	47.2	2.8
	00.15-00.20	49.3	52.0	49.3	48.4	0.9
	00.20-00.25	52.1	52.2	52.1	48.7	3.4
	00.25-00.30	52.1	52.5	52.1	50.0	2.1
	00.30-00.35	47.4	52.5	47.4	50.0	-2.6
	00.35-00.40	46.9	52.7	46.9	51.0	-4.1
	00.40-00.45	46.1	53.5	46.1	50.9	-4.8
	00.45-00.50	47.7	53.7	47.7	52.3	-4.6
17.	00.50-00.55	50.4	52.3	50.4	50.2	0.2
	00.55-01.00	50.3	51.1	50.3	50.7	-0.4
	01.00-01.05	50.5	51.1	50.5	50.6	-0.1
	01.05-01.10	46.3	50.1	46.3	48.0	-1.7
	01.10-01.15	45.4	49.1	45.4	47.5	-2.1
	01.15-01.20	48.6	49.4	48.6	47.0	1.6
	01.20-01.25	45.3	48.6	45.3	46.7	-1.4
	01.25-01.30	48.7	48.0	43.4	46.9	-3.5
	01.30-01.35	48.4	48.0	40.8	46.9	-6.1
	01.35-01.40	49.4	47.8	47.3	46.9	0.4
18.	01.40-01.45	50.6	49.5	47.1	48.7	-1.6
	01.45-01.50	50.7	49.7	46.8	48.9	-2.1
	01.50-01.55	51.0	49.7	48.1	48.6	-0.5
	01.55-02.00	50.8	47.4	51.1	46.5	4.6
	02.00-02.05	50.1	49.9	39.6	46.7	-7.1
	02.05-02.10	49.4	47.3	48.2	46.4	1.8
	02.10-02.15	45.7	49.5	45.7	46.4	-0.7
	02.15-02.20	46.5	49.8	46.5	48.6	-2.1
	02.20-02.25	47.4	49.6	47.4	48.6	-1.2
	02.25-02.30	50.8	47.2	51.3	46.0	5.3
19.	02.30-02.35	52.8	49.1	53.4	48.8	4.6
	02.35-02.40	52.6	49.1	53.0	48.8	4.2
	02.40-02.45	52.2	49.4	52.0	48.0	4.0
	02.45-02.50	45.8	47.4	45.8	46.1	-0.3
	02.50-02.55	47.4	48.1	47.4	47.9	-0.5
	02.55-03.00	47.4	49.1	47.4	48.9	-1.5
	03.00-03.05	48.2	47.0	45.0	45.8	-0.8
	03.05-03.10	50.8	47.0	51.5	45.9	5.6
	03.10-03.15	50.8	47.1	51.4	46.1	5.3
	03.15-03.20	46.9	47.7	46.9	46.5	0.4
	03.20-03.25	48.1	47.2	43.8	46.3	-2.5
	03.25-03.30	49.0	46.9	47.8	46.2	1.6
	03.30-03.35	48.3	48.6	48.3	46.0	2.3
	03.35-03.40	48.6	46.2	47.9	45.3	2.6
	03.40-03.45	50.0	46.3	50.6	45.1	5.5
	03.45-03.50	51.1	46.6	52.2	45.4	6.8
	03.50-03.55	52.8	47.4	54.3	45.8	8.5
	03.55-04.00	52.5	47.9	53.7	46.8	6.9
Standard <sup>(1)(2)</sup>						10



## TEST REPORT

(28/3-3)

Item	Time	Result (dB(A))				
		Tan Deaw of Tambon Health Promotion Hospital (N5)				
		ระดับเสียงขณะเกิดเสียง ของแหล่งกำเนิด (Leq)	ระดับเสียงขณะ ไม่มีการรบกวน (Leq)	ระดับเสียงขณะ มีการรบกวน	ระดับเสียงพื้นฐาน (L <sub>90</sub> )	ค่าระดับการรบกวน
		19-20/05/23	21-22/05/23	-	21-22/05/23	-
20.	04.00-04.05	52.4	47.7	53.6	46.4	7.2
	04.05-04.10	50.1	47.0	50.2	45.9	4.3
	04.10-04.15	52.8	46.9	54.5	45.7	8.8
	04.15-04.20	52.9	47.4	54.5	45.9	8.6
	04.20-04.25	52.8	47.5	54.3	46.0	8.3
	04.25-04.30	52.7	47.6	54.1	46.3	7.8
	04.30-04.35	48.2	47.2	44.3	45.9	-1.6
	04.35-04.40	52.0	48.0	52.8	46.4	6.4
	04.40-04.45	52.5	48.5	53.3	47.8	5.5
	04.45-04.50	52.2	50.6	50.1	48.9	1.2
	04.50-04.55	52.4	50.4	51.1	48.3	2.8
	04.55-05.00	50.0	50.6	50.0	48.3	1.7
21.	05.00-05.05	49.6	52.8	49.6	46.0	3.6
	05.05-05.10	48.0	47.2	43.3	45.9	-2.6
	05.10-05.15	48.8	49.9	48.8	46.2	2.6
	05.15-05.20	49.4	48.3	45.9	46.5	-0.6
	05.20-05.25	48.5	47.4	45.0	46.1	-1.1
	05.25-05.30	48.4	47.8	42.5	46.3	-3.8
	05.30-05.35	48.3	47.7	42.4	46.3	-3.9
	05.35-05.40	49.5	47.0	48.9	45.7	3.2
	05.40-05.45	48.9	49.9	48.9	46.5	2.4
	05.45-05.50	47.6	47.5	34.2	46.1	-11.9
	05.50-05.55	49.0	48.4	43.1	46.1	-3.0
	05.55-06.00	48.9	50.1	48.9	45.7	3.2
22.	06.00-07.00	50.8	49.4	45.2	45.5	-0.3
23.	07.00-08.00	52.0	55.5	52.0	48.9	3.1
24.	08.00-09.00	51.3	56.3	51.3	52.9	-1.6
Standard <sup>(1)(2)</sup>						10

Standard : <sup>(1)</sup> Notification of the National Environment Board No. 29 (2007) (B.E. 2550)

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

Remark : Reference to Pollution Control Department (2022) (B.E. 2565)

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 : Thai Acrylic Fibre Co., Ltd. Report No. : 1465/2023/29-29  
Project : Acrylic Fiber Production Plant Project Report Date : May 29, 2023  
(Expansion 3<sup>rd</sup>) Sampling Date : May 15-22, 2023  
Address : No. 54 Moo 5 Sudbantad Road, T. Tan-Deaw Type of Sample : เสียงรบกวน  
Kaengkhoh Saraburi 18110  
Contact : Tel. (036) 240-100 Ext. 444  
Job No. : S660162/May/1

(29/1-3)

Item	Time	Result (dB(A))				
		Tan Deaw of Tambon Health Promotion Hospital (N5)				
		ระดับเสียงขณะเกิดเสียง ของแหล่งกำเนิด (Leq)	ระดับเสียงขณะ ไม่มีการรบกวน (Leq)	ระดับเสียงขณะ มีการรบกวน	ระดับเสียงพื้นฐาน (L <sub>90</sub> )	ค่าระดับการรบกวน
		20-21/05/23	21-22/05/23	-	21-22/05/23	-
1.	09.00-10.00	51.1	50.5	42.2	48.7	-6.5
2.	10.00-11.00	49.7	48.9	42.0	47.8	-5.8
3.	11.00-12.00	48.9	48.8	32.5	47.5	-15.0
4.	12.00-13.00	48.6	48.2	38.0	47.3	-9.3
5.	13.00-14.00	48.7	48.0	40.4	46.7	-6.3
6.	14.00-15.00	48.5	48.0	38.9	46.6	-7.7
7.	15.00-16.00	51.6	50.8	43.9	47.1	-3.2
8.	16.00-17.00	48.7	49.0	48.7	46.6	2.1
9.	17.00-18.00	52.7	51.3	47.1	45.9	1.2
10.	18.00-19.00	55.4	54.5	48.1	46.1	2.0
11.	19.00-20.00	56.9	55.6	51.0	52.0	-1.0
12.	20.00-21.00	55.0	55.8	55.0	52.5	2.5
13.	21.00-22.00	54.6	55.9	54.6	48.2	6.4
14.	22.00-22.05	45.5	53.2	45.5	48.4	-2.9
	22.05-22.10	45.8	53.2	45.8	48.1	-2.3
	22.10-22.15	48.6	53.2	48.6	48.0	0.6
	22.15-22.20	49.8	53.7	49.8	48.5	1.3
	22.20-22.25	49.0	52.1	49.0	48.2	0.8
	22.25-22.30	52.0	52.1	52.0	48.3	3.7
	22.30-22.35	53.3	52.6	48.0	48.3	-0.3
	22.35-22.40	53.2	52.7	46.6	48.6	-2.0
	22.40-22.45	52.5	48.6	53.2	47.8	5.4
	22.45-22.50	45.1	52.8	45.1	48.0	-2.9
	22.50-22.55	44.9	48.5	44.9	46.0	-1.1
	22.55-23.00	44.6	48.9	44.6	47.1	-2.5
15.	23.00-23.05	45.2	47.0	45.2	48.5	-3.3
	23.05-23.10	50.4	48.3	49.2	48.8	0.4
	23.10-23.15	50.9	50.2	45.6	48.0	-2.4
	23.15-23.20	50.2	49.5	44.9	47.2	-2.3
	23.20-23.25	52.8	49.9	52.7	48.9	3.8
	23.25-23.30	49.5	49.6	49.5	48.8	0.7
	23.30-23.35	46.4	48.6	46.4	47.9	-1.5
	23.35-23.40	45.6	48.3	45.6	47.0	-1.4
	23.40-23.45	43.3	48.7	43.3	47.1	-3.8
	23.45-23.50	44.0	49.6	44.0	48.3	-4.3
	23.50-23.55	45.5	49.0	45.5	48.3	-2.8
	23.55-00.00	43.1	49.3	43.1	48.7	-5.6
Standard <sup>(1)(2)</sup>						10

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## TEST REPORT

(29/2-3)

Item	Time	Result (dB(A))				
		Tan Deaw of Tambon Health Promotion Hospital (N5)				
		ระดับเสียงขณะเกิดเสียง ของแหล่งกำเนิด (Leq)	ระดับเสียงขณะ ไม่มีการรบกวน (Leq)	ระดับเสียงขณะ มีการรบกวน	ระดับเสียงพื้นฐาน (L <sub>90</sub> )	ค่าระดับการรบกวน
		20-21/05/23	21-22/05/23	-	21-22/05/23	-
16.	00.00-00.05	43.3	50.7	43.3	48.9	-5.6
	00.05-00.10	42.7	50.2	42.7	48.1	-5.4
	00.10-00.15	44.1	50.0	44.1	47.2	-3.1
	00.15-00.20	46.6	52.0	46.6	48.4	-1.8
	00.20-00.25	44.7	52.2	44.7	48.7	-4.0
	00.25-00.30	46.3	52.5	46.3	50.0	-3.7
	00.30-00.35	45.6	52.5	45.6	50.0	-4.4
	00.35-00.40	47.7	52.7	47.7	51.0	-3.3
	00.40-00.45	46.0	53.5	46.0	50.9	-4.9
	00.45-00.50	48.1	53.7	48.1	52.3	-4.2
	00.50-00.55	50.2	52.3	50.2	50.2	0.0
	00.55-01.00	50.5	51.1	50.5	50.7	-0.2
17.	01.00-01.05	50.5	51.1	50.5	50.6	-0.1
	01.05-01.10	45.2	50.1	45.2	48.0	-2.8
	01.10-01.15	51.7	49.1	51.2	47.5	3.7
	01.15-01.20	51.3	49.4	49.8	47.0	2.8
	01.20-01.25	51.2	48.6	50.7	46.7	4.0
	01.25-01.30	52.3	48.0	53.3	46.9	6.4
	01.30-01.35	51.4	48.0	51.7	46.9	4.8
	01.35-01.40	50.9	47.8	51.0	46.9	4.1
	01.40-01.45	44.1	49.5	44.1	48.7	-4.6
	01.45-01.50	44.3	49.7	44.3	48.9	-4.6
	01.50-01.55	46.2	49.7	46.2	48.6	-2.4
	01.55-02.00	46.9	47.4	46.9	46.5	0.4
18.	02.00-02.05	46.8	49.9	46.8	46.7	0.1
	02.05-02.10	47.2	47.3	47.2	46.4	0.8
	02.10-02.15	49.8	49.5	41.0	46.4	-5.4
	02.15-02.20	47.2	49.8	47.2	48.6	-1.4
	02.20-02.25	50.6	49.6	46.7	48.6	-1.9
	02.25-02.30	50.6	47.2	50.9	46.0	4.9
	02.30-02.35	50.2	49.1	46.7	48.8	-2.1
	02.35-02.40	50.9	49.1	49.2	48.8	0.4
	02.40-02.45	51.3	49.4	49.8	48.0	1.8
	02.45-02.50	46.6	47.4	46.6	46.1	0.5
	02.50-02.55	46.1	48.1	46.1	47.9	-1.8
	02.55-03.00	45.4	49.1	45.4	48.9	-3.5
19.	03.00-03.05	45.7	47.0	45.7	45.8	-0.1
	03.05-03.10	47.0	47.0	47.0	45.9	1.1
	03.10-03.15	47.2	47.1	33.8	46.1	-12.3
	03.15-03.20	46.3	47.7	46.3	46.5	-0.2
	03.20-03.25	45.9	47.2	45.9	46.3	-0.4
	03.25-03.30	46.6	46.9	46.6	46.2	0.4
	03.30-03.35	46.4	48.6	46.4	46.0	0.4
	03.35-03.40	46.2	46.2	46.2	45.3	0.9
	03.40-03.45	47.3	46.3	43.4	45.1	-1.7
	03.45-03.50	50.5	46.6	51.2	45.4	5.8
	03.50-03.55	50.0	47.4	49.5	45.8	3.7
	03.55-04.00	50.8	47.9	50.7	46.8	3.9
Standard <sup>(1)(2)</sup>						10



## TEST REPORT

(29/3-3)

Item	Time	Result (dB(A))				
		Tan Deaw of Tambon Health Promotion Hospital (N5)				
		ระดับเสียงขณะเกิดเสียง ของแหล่งกำเนิด (Leq)	ระดับเสียงขณะ ไม่มีการรบกวน (Leq)	ระดับเสียงขณะ มีการรบกวน	ระดับเสียงพื้นฐาน (L <sub>90</sub> )	ค่าระดับการรบกวน
		20-21/05/23	21-22/05/23	-	21-22/05/23	-
20.	04.00-04.05	52.9	47.7	54.3	46.4	7.9
	04.05-04.10	52.0	47.0	53.3	45.9	7.4
	04.10-04.15	52.4	46.9	54.0	45.7	8.3
	04.15-04.20	48.2	47.4	43.5	45.9	-2.4
	04.20-04.25	50.6	47.5	50.7	46.0	4.7
	04.25-04.30	49.6	47.6	48.3	46.3	2.0
	04.30-04.35	50.5	47.2	50.8	45.9	4.9
	04.35-04.40	50.6	48.0	50.1	46.4	3.7
	04.40-04.45	52.3	48.5	53.0	47.8	5.2
	04.45-04.50	46.2	50.6	46.2	48.9	-2.7
21.	04.50-04.55	46.4	50.4	46.4	48.3	-1.9
	04.55-05.00	47.7	50.6	47.7	48.3	-0.6
	05.00-05.05	47.9	52.8	47.9	46.0	1.9
	05.05-05.10	47.9	47.2	42.6	45.9	-3.3
	05.10-05.15	48.7	49.9	48.7	46.2	2.5
	05.15-05.20	49.3	48.3	45.4	46.5	-1.1
	05.20-05.25	49.0	47.4	46.9	46.1	0.8
	05.25-05.30	48.1	47.8	39.3	46.3	-7.0
	05.30-05.35	48.5	47.7	43.8	46.3	-2.5
	05.35-05.40	48.0	47.0	44.1	45.7	-1.6
22.	05.40-05.45	49.6	49.9	49.6	46.5	3.1
	05.45-05.50	50.2	47.5	49.9	46.1	3.8
	05.50-05.55	48.9	48.4	42.3	46.1	-3.8
	05.55-06.00	48.9	50.1	48.9	45.7	3.2
	06.00-07.00	51.8	49.4	48.1	45.5	2.6
	07.00-08.00	52.2	55.5	52.2	48.9	3.3
	08.00-09.00	51.2	56.3	51.2	52.9	-1.7
Standard <sup>(1)(2)</sup>						<10

Standard : <sup>(1)</sup> Notification of the National Environment Board No. 29 (2007) (B.E. 2550)

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

Remark : Reference to Pollution Control Department (2022) (B.E. 2565)

Wannasiri S.

Wannasiri Suriyawong



Somchai P.

Somchai Piyavorasakul  
General Manager

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

Analysis No. : R23-0229

Received Date: 27/01/23

Customer : Technical Division of Thai Environmental Technic Limited

For Thai Acrylic Fibre Co., Ltd./Acrylic Fiber Production Plant Project (Expansion 3<sup>rd</sup>)

Address : No. 54 Moo 5 Sudbantad Road, T. Tan-Deaw,  
Kaengkhroi, Saraburi 18110

Contact : Tel. (036) 240 100 Ext. 444 E-mail : sompob.pheungsungwan@adityabirla.com

Sample Conditions : 2301-WW0478 = yellow turbid/slight black sediment, Flow Rate = 479.17 m<sup>3</sup>/hr.

Report Date : 07/02/23

Analysis Date : 26/01-02/02/23

Job No. : S660162/Jan

Sampling Date \* : 26/01/23

Sampling By \* : TET

Type of Sample : Wastewater

Item	Parameter	Unit	Method <sup>(A)</sup>	Result	Standard	Analysis Date
				2301-WW0478		
				Polishing Pond		
1	Temperature *	°C	Laboratory and Field, Methods (SM 2550B)	25.6	40	26/01/23
2	pH *	-	Electrometric Method (SM 4500 B)	8.07	6.5-8.5	26/01/23
3	Color (Original pH) *	ADMI	ADMI Weighted-Ordinate Spectrophotometric Method (SM 2120 F)	20	300	27/01/23
	Color (pH 7) *	ADMI		16	300	27/01/23
4	Conductivity *	µs/cm	Laboratory Method (SM 2510 B)	806	-	30/01/23
5	TSS *	mg/L	Dried at 103-105 °C (SM 2540 D)	4.2	30	31/01/23
6	TDS *	mg/L	Dried at 180 °C (SM 2540 C)	488	1,300	30/01/23
7	DO *	mg/L	Membrane Electrode (SM 4500 G)	4.23	≥2	26/01/23
8	BOD *	mg/L	5-Days BOD Test, Azide Modification Method (SM 5210 B)	6	20	27/01-01/02/23
9	COD *	mg/L	Closed Reflux Titrimetric Method (SM 5220 C)	59	100	30/01/23
10	Oil & Grease *	mg/L	Liquid-Liquid, Partition Gravimetric Method (SM 5520 B)	0.4	5	30/01/23
11	TKN *	mg/L	Macro-Kjeldahl/Titrimetric Method (SM 4500-N <sub>org</sub> B&4500-NH <sub>3</sub> C)	13.19	35	30/01/23
12	Cyanide as HCN *	mg/L	Distillation, Colorimetric Method (SM 4500-CN <sup>-</sup> B/E)	0.078	0.2	30/01/23
13	Phenols *	mg/L	Distillation, Direct Photometric Method (SM 5530 D)	< 0.001	1	31/01/23
14	Sulfide *	mg/L	ZnS Precipitation, Methylene Blue Colorimetric Method (SM 4500-S <sup>2-</sup> D)	< 0.01	1	27/01/23
15	Sulfate *	mg/L	Turbidimetric (SM 4500-SO <sub>4</sub> <sup>2-</sup> E)	161.06	-	30/01/23
16	Formaldehyde *	mg/L	Distillation, Colorimetric Method <sup>(B)</sup>	< 0.01	1	02/02/23
17	Free Chlorine *	mg/L	DPD Ferrous Titrimetric Method (SM 4500-Cl <sub>2</sub> F)	< 0.01	1	27/01/23
18	Cr <sup>+3</sup> *	mg/L	Digestion, ICP-OES Method (SM 3030F and 3120B) ; Filtration, Colorimetric Method (SM 3500-Cr B) ; Calculation	< 0.02	0.75	31/01/23
19	Cr <sup>+6</sup> *	mg/L	Filtration, Colorimetric Method (SM 3500-Cr B)	< 0.02	0.25	30/01/23

continue

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## TEST REPORT

Analysis No. : R23-0229

Received Date: 27/01/23

Customer : Technical Division of Thai Environmental Technic Limited

For Thai Acrylic Fibre Co., Ltd./Acrylic Fiber Production Plant Project (Expansion 3<sup>rd</sup>)

Address : No. 54 Moo 5 Sudbantad Road, T. Tan-Deaw,

Kaengkhoi, Saraburi 18110

Contact : Tel. (036) 240 100 Ext. 444 E-mail : sompob.pheungsungwan@adityabirla.com

Report Date : 07/02/23

Analysis Date : 26/01-02/02/23

Job No. : S660162/Jan

Sampling Date \* : 26/01/23

Sampling By \* : TET

Type of Sample : Wastewater

Item	Parameter	Unit	Method <sup>(A)</sup>	Result	Standard	Analysis Date
				2301-WW0478		
				Polishing Pond		
20	Cd *	mg/L	Digestion, Electrothermal AAS Method (SM 3030E and 3113B)	< 0.001	0.01	02/02/23
21	Hg *	mg/L	Cold-Vapor AAS Method (SM 3112 B)	< 0.0005	0.005	27/01/23
22	As *	mg/L	Digestion, Continuous Hydride generation/AAS Method (SM 3114 C)	0.0006	0.25	30/01/23
23	Se *	mg/L		< 0.0005	0.02	31/01/23
24	Ba	mg/L	Digestion, ICP-OES Method (SM 3030F and 3120B)	0.05	1.0	31/01/23
25	Cu	mg/L	Digestion, ICP-OES Method (SM 3030F and 3120B)	< 0.05	1.0	31/01/23
26	Mn	mg/L	Digestion, ICP-OES Method (SM 3030F and 3120B)	0.04	5.0	31/01/23
27	Ni	mg/L	Digestion, ICP-OES Method (SM 3030F and 3120B)	< 0.02	0.2	31/01/23
28	Pb	mg/L	Digestion, ICP-OES Method (SM 3030F and 3120B)	< 0.04	0.1	31/01/23
29	Zn	mg/L	Digestion, ICP-OES Method (SM 3030F and 3120B)	< 0.04	5.0	31/01/23
30	Total Coliform Bacteria *	MPN/100 mL	Multiple-Tube Fermentation Technique (SM 9221 B&C)	2.6 x 10 <sup>3</sup>	-	27/01-01/02/23
31	Pesticide *		LLE, GC/ECD (SM 6630 B)			
	- alpha-HCH	µg/L		N.D.	Not detected	30/01-01/02/23
	- Hexachlorobenzene	µg/L		N.D.	Not detected	30/01-01/02/23
	- beta-HCH	µg/L		N.D.	Not detected	30/01-01/02/23
	- gamma-HCH	µg/L		N.D.	Not detected	30/01-01/02/23
	- delta-HCH	µg/L		N.D.	Not detected	30/01-01/02/23
	- epsilon-HCH	µg/L		N.D.	Not detected	30/01-01/02/23
	- Heptachlor	µg/L		N.D.	Not detected	30/01-01/02/23
	- Aldrin	µg/L		N.D.	Not detected	30/01-01/02/23
	- Isodrin	µg/L		N.D.	Not detected	30/01-01/02/23
	- Heptachlor-exo-epoxide (cis-isomer B)	µg/L		N.D.	Not detected	30/01-01/02/23
	- oxy-Chlordane	µg/L		N.D.	Not detected	30/01-01/02/23
	- Heptachlor-endo-epoxide (trans-isomer A)	µg/L		N.D.	Not detected	30/01-01/02/23
	- trans-chlordane (gamma)	µg/L		N.D.	Not detected	30/01-01/02/23
	- 2,4-DDE	µg/L		N.D.	Not detected	30/01-01/02/23

continue

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## TEST REPORT

Analysis No. : R23-0229

Received Date: 27/01/23

Customer : Technical Division of Thai Environmental Technic Limited

For Thai Acrylic Fibre Co., Ltd./Acrylic Fiber Production Plant Project (Expansion 3<sup>rd</sup>)

Address : No. 54 Moo 5 Sudbantad Road, T. Tan-Deaw,  
Kaengkhoi, Saraburi 18110

Contact : Tel. (036) 240 100 Ext. 444 E-mail : sompob.pheungsungwan@adityabirla.com

Report Date : 07/02/23

Analysis Date : 26/01-02/02/23

Job No. : S660162/Jan

Sampling Date \* : 26/01/23

Sampling By \* : TET

Type of Sample : Wastewater

Item	Parameter	Unit	Method <sup>(A)</sup>	Result	Standard	Analysis Date
				2301-WW0478		
				Polishing Pond		
	- alpha-Endosulfan	µg/L		N.D.	Not detected	30/01-01/02/23
	- cis-Chlordane (alpha)	µg/L		N.D.	Not detected	30/01-01/02/23
	- Dieldrin	µg/L		N.D.	Not detected	30/01-01/02/23
	- 4,4-DDE	µg/L		N.D.	Not detected	30/01-01/02/23
	- 2,4-DDD	µg/L		N.D.	Not detected	30/01-01/02/23
	- beta-Endosulfan	µg/L		N.D.	Not detected	30/01-01/02/23
	- Endrin	µg/L		N.D.	Not detected	30/01-01/02/23
	- 4,4-DDD	µg/L		N.D.	Not detected	30/01-01/02/23
	- 2,4-DDT	µg/L		N.D.	Not detected	30/01-01/02/23
	- 4,4-DDT	µg/L		N.D.	Not detected	30/01-01/02/23
	- Methoxychlor	µg/L		N.D.	Not detected	30/01-01/02/23
	- Mirex	µg/L		N.D.	Not detected	30/01-01/02/23
	- Heptachlor Epoxide	µg/L		N.D.	Not detected	30/01-01/02/23

Remarks \* "Test marked "Not TISI Accredited" in this Report are not included in the TISI Accreditation Schedule for our Laboratory"

: Polishing Pond = 47P 0712500 UTM 1611472

: N.D. = Not Detectable (Less than 0.10 µg/L)

Method (A) SM = Standard Method for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23<sup>rd</sup> Edition, 2017

(B) คู่มือวิเคราะห์น้ำเสีย พิมพ์ครั้งที่ 3 ทรงชัย พรพรหมสวัสดิ์, วิทยาลัยเกษตรและเทคโนโลยีสุพรรณบุรี

Standard : Notification of the Royal Irrigation Department No. 18/2018 (B.E. 2561)

Reviewed by

Ms. Wareerut Prachumdaeng  
Chief of Laboratory  
07/02/23



Approved by

Mrs. Pornpip Pethshee  
Laboratory Manager  
07/02/23

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## TEST REPORT

Analysis No. : R23-0229

Received Date: 27/01/23

Customer : Technical Division of Thai Environmental Technic Limited

For Thai Acrylic Fibre Co., Ltd./Acrylic Fiber Production Plant Project (Expansion 3<sup>rd</sup>)

Address : No. 54 Moo 5 Sudbantad Road, T. Tan-Deaw,  
Kaengkhohi, Saraburi 18110

Contact : Tel. (036) 240 100 Ext. 444 E-mail : sompob.pheungsungwan@adityabirla.com

Sample Conditions : 2301-WW0479 = white turbid/high white sediment

2301-WW0480 = yellow turbid/high yellow sediment

Report Date : 07/02/23

Analysis Date : 26/01-03/02/23

Job No. : S660162/Jan

Sampling Date \* : 26/01/23

Sampling By \* : TET

Type of Sample : Wastewater

Item	Parameter	Unit	Method	Result		Analysis Date
				2301-WW0479	2301-WW0480	
				Before entering EQ Tank	After Clarifier	
1	Temperature *	°C	Laboratory and Field, Methods (SM 2550B)	42.4	25.8	26/01/23
2	pH *	-	Electrometric Method (SM 4500 B)	5.77	7.67	26/01/23
3	Conductivity *	µs/cm	Laboratory Method (SM 2510 B)	2,210	2,190	30/01/23
4	TSS	mg/L	Dried at 103-105 °C (SM 2540 D)	12.7	72.8	31/01/23
5	TDS *	mg/L	Dried at 180 °C (SM 2540 C)	1,484	1,378	30/01/23
6	DO *	mg/L	Membrane Electrode (SM 4500 G)	1.04	4.21	26/01/23
7	BOD *	mg/L	5-Days BOD Test, Azide Modification Method (SM 5210 B)	240	18	27/01-01/02/23
8	COD *	mg/L	Closed Reflux Titrimetric Method (SM 5220 C)	723	335	30/01/23
9	Oil & Grease *	mg/L	Liquid-Liquid, Partition Gravimetric Method (SM 5520 B)	1.8	0.6	30/01/23
10	Cyanide as HCN *	mg/L	Distillation, Colorimetric Method (SM 4500-CN <sup>-</sup> B/E)	0.790	0.691	03/02/23
11	Sulfate *	mg/L	Turbidimetric (SM 4500-SO <sub>4</sub> <sup>2-</sup> E)	51.89	710.08	30/01/23
12	Total Coliform Bacteria *	MPN/100 mL	Multiple-Tube Fermentation Technique (SM 9221 B&C)	79	3.3 x 10 <sup>2</sup>	27/01-01/02/23

Remarks \* "Test marked "Not TISI Accredited" in this Report are not included in the TISI Accreditation Schedule for our Laboratory"

: Before entering EQ Tank = 47P 0712453 UTM 1611478

After Clarifier = 47P 0712403 UTM 1611585

Method : SM = Standard Method for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23<sup>rd</sup> Edition, 2017

Reviewed by

Ms. Wareerut Prachumdaeng  
Chief of Laboratory

Approved by

Mrs. Pornpip Pethshee  
Laboratory Manager

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## TEST REPORT

Analysis No. : R23-0229

Received Date: 27/01/23

Customer : Technical Division of Thai Environmental Technic Limited

For Thai Acrylic Fibre Co., Ltd./Acrylic Fiber Production Plant Project (Expansion 3<sup>rd</sup>)

Address : No. 54 Moo 5 Sudbantad Road, T. Tan-Deaw,  
Kaengkhroi, Saraburi 18110

Contact : Tel. (036) 240 100 Ext. 444 E-mail : sompob.pheungsungwan@adityabirla.com

Sample Conditions : 2301-WW0481 = yellow turbid/slight black sediment

Report Date : 07/02/23

Analysis Date : 26-30/01/23

Job No. : S660162/Jan

Sampling Date : 26/01/23

Sampling By : TET

Type of Sample : Wastewater

Item	Parameter	Unit	Method	Result	Analysis Date
				2301-WW0481	
				Blowdown of an acrylic fiber factory	
1	Temperature	°C	Laboratory and Field, Methods (SM 2550B)	80.0	26/01/23
2	pH	-	Electrometric Method (SM 4500 B)	7.72	26/01/23
3	TDS	mg/L	Dried at 180 °C (SM 2540 C)	346	30/01/23

Remarks : Blowdown of an acrylic fiber factory = 47P 0712308 UTM 1611579

Method : SM = Standard Method for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23<sup>rd</sup> Edition, 2017

Reviewed by

Ms. Wareerut Prachumdaeng  
Chief of Laboratory  
07/02/23



Approved by

Mrs. Pornpip Pethshee  
Laboratory Manager  
07/02/23

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

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## TEST REPORT

Analysis No. : R23-0493

Received Date: 17/02/23

Customer : Technical Division of Thai Environmental Technic Limited

For Thai Acrylic Fibre Co., Ltd./Acrylic Fiber Production Plant Project (Expansion 3<sup>rd</sup>)

Address : No. 54 Moo 5 Sudbantad Road, T. Tan-Deaw,  
Kaengkhroi, Saraburi 18110

Contact : Tel. (036) 240 100 Ext. 444 E-mail : sompob.pheungsungwan@adityabirla.com

Sample Conditions : 2302-WW0417 = clear, Flow Rate = 560.42 m<sup>3</sup>/hr.

Report Date : 27/02/23

Analysis Date : 16-24/02/23

Job No. : S660162/Feb

Sampling Date \* : 16/02/23

Sampling By \* : TET

Type of Sample : Wastewater

Item	Parameter	Unit	Method <sup>(A)</sup>	Result	Standard	Analysis Date
				2302-WW0417		
				Polishing Pond		
1	Temperature *	°C	Laboratory and Field, Methods (SM 2550B)	26.8	40	16/02/23
2	pH *	-	Electrometric Method (SM 4500 B)	7.57	6.5-8.5	16/02/23
3	Color (Original pH) *	ADMI	} ADMI Weighted-Ordinate Spectrophotometric Method (SM 2120 F)	22	300	20/02/23
	Color (pH 7) *	ADMI		11	300	20/02/23
4	Conductivity *	µs/cm	Laboratory Method (SM 2510 B)	785	-	21/02/23
5	TSS *	mg/L	Dried at 103-105 °C (SM 2540 D)	5.9	30	21/02/23
6	TDS *	mg/L	Dried at 180 °C (SM 2540 C)	296	1,300	21/02/23
7	DO *	mg/L	Membrane Electrode (SM 4500 G)	4.91	≥2	16/02/23
8	BOD *	mg/L	5-Days BOD Test, Azide Modification Method (SM 5210 B)	5	20	17-22/02/23
9	COD *	mg/L	Closed Reflux Titrimetric Method (SM 5220 C)	60	100	20/02/23
10	Oil & Grease *	mg/L	Liquid-Liquid, Partition Gravimetric Method (SM 5520 B)	0.8	5	21/02/23
11	TKN *	mg/L	Macro-Kjeldahl/Titrimetric Method (SM 4500-N <sub>org</sub> B&4500-NH <sub>3</sub> C)	14.38	35	21/02/23
12	Cyanide as HCN *	mg/L	Distillation, Colorimetric Method (SM 4500-CN <sup>-</sup> B/E)	0.072	0.2	23/02/23
13	Phenols *	mg/L	Distillation, Direct Photometric Method (SM 5530 D)	< 0.001	1	24/02/23
14	Sulfide *	mg/L	ZnS Precipitation, Methylene Blue Colorimetric Method (SM 4500-S <sup>2-</sup> D)	< 0.01	1	17/02/23
15	Sulfate *	mg/L	Turbidimetric (SM 4500-SO <sub>4</sub> <sup>2-</sup> E)	124.81	-	21/02/23
16	Formaldehyde *	mg/L	Distillation, Colorimetric Method <sup>(B)</sup>	< 0.01	1	23/02/23
17	Free Chlorine *	mg/L	DPD Ferrous Titrimetric Method (SM 4500-Cl <sub>2</sub> F)	< 0.01	1	20/02/23
18	Cr <sup>+3</sup> *	mg/L	Digestion, ICP-OES Method (SM 3030F and 3120B) ; Filtration, Colorimetric Method (SM 3500-Cr B) ; Calculation	< 0.02	0.75	21/02/23
19	Cr <sup>+6</sup> *	mg/L	Filtration, Colorimetric Method (SM 3500-Cr B)	< 0.02	0.25	21/02/23

continue

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## TEST REPORT

**Analysis No.** : R23-0493  
**Received Date:** 17/02/23  
**Customer** : Technical Division of Thai Environmental Technic Limited  
For Thai Acrylic Fibre Co., Ltd./Acrylic Fiber Production Plant Project (Expansion 3<sup>rd</sup>)  
**Address** : No. 54 Moo 5 Sudbantad Road, T. Tan-Deaw,  
Kaengkhroi, Saraburi 18110  
**Contact** : Tel. (036) 240 100 Ext. 444 E-mail : sompob.pheungsungwan@adityabirla.com

**Report Date** : 27/02/23  
**Analysis Date** : 16-24/02/23  
**Job No.** : S660162/Feb  
**Sampling Date \*** : 16/02/23  
**Sampling By \*** : TET  
**Type of Sample** : Wastewater

Item	Parameter	Unit	Method <sup>(A)</sup>	Result	Standard	Analysis Date
				2302-WW0417		
				Polishing Pond		
20	Cd *	mg/L	Digestion, Electrothermal AAS Method (SM 3030E and 3113B)	< 0.001	0.01	24/02/23
21	Hg *	mg/L	Cold-Vapor AAS Method (SM 3112 B)	< 0.0005	0.005	21/02/23
22	As *	mg/L	Digestion, Continuous Hydride generation/AAS Method (SM 3114 C)	0.0005	0.25	22/02/23
23	Se *	mg/L		< 0.0005	0.02	24/02/23
24	Ba	mg/L	Digestion, ICP-OES Method (SM 3030F and 3120B)	0.07	1.0	21/02/23
25	Cu	mg/L	Digestion, ICP-OES Method (SM 3030F and 3120B)	< 0.05	1.0	21/02/23
26	Mn	mg/L	Digestion, ICP-OES Method (SM 3030F and 3120B)	0.05	5.0	21/02/23
27	Ni	mg/L	Digestion, ICP-OES Method (SM 3030F and 3120B)	< 0.02	0.2	21/02/23
28	Pb	mg/L	Digestion, ICP-OES Method (SM 3030F and 3120B)	< 0.04	0.1	21/02/23
29	Zn	mg/L	Digestion, ICP-OES Method (SM 3030F and 3120B)	< 0.04	5.0	21/02/23
30	Total Coliform Bacteria *	MPN/100 mL	Multiple-Tube Fermentation Technique (SM 9221 B&C)	2.4 x 10 <sup>4</sup>	-	18-23/02/23
31	Pesticide *		LLE, GC/ECD (SM 6630 B)			
	- alpha-HCH	µg/L		N.D.	Not detected	20-21/02/23
	- Hexachlorobenzene	µg/L		N.D.	Not detected	20-21/02/23
	- beta-HCH	µg/L		N.D.	Not detected	20-21/02/23
	- gamma-HCH	µg/L		N.D.	Not detected	20-21/02/23
	- delta-HCH	µg/L		N.D.	Not detected	20-21/02/23
	- epsilon-HCH	µg/L		N.D.	Not detected	20-21/02/23
	- Heptachlor	µg/L		N.D.	Not detected	20-21/02/23
	- Aldrin	µg/L		N.D.	Not detected	20-21/02/23
	- Isodrin	µg/L		N.D.	Not detected	20-21/02/23
	- Heptachlor-exo-epoxide (cis-isomer B)	µg/L		N.D.	Not detected	20-21/02/23
	- oxy-Chlordane	µg/L		N.D.	Not detected	20-21/02/23
	- Heptachlor-endo-epoxide (trans-isomer A)	µg/L		N.D.	Not detected	20-21/02/23
	- trans-chlordane (gamma)	µg/L		N.D.	Not detected	20-21/02/23
	- 2,4-DDE	µg/L		N.D.	Not detected	20-21/02/23

continue

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## TEST REPORT

Analysis No. : R23-0493

Received Date: 17/02/23

Customer : Technical Division of Thai Environmental Technic Limited

For Thai Acrylic Fibre Co., Ltd./Acrylic Fiber Production Plant Project (Expansion 3<sup>rd</sup>)

Address : No. 54 Moo 5 Sudbantad Road, T. Tan-Deaw,  
Kaengkhohi, Saraburi 18110

Contact : Tel. (036) 240 100 Ext. 444 E-mail : sompob.pheungsungwan@adityabirla.com

Report Date : 27/02/23

Analysis Date : 16-24/02/23

Job No. : S660162/Feb

Sampling Date \* : 16/02/23

Sampling By \* : TET

Type of Sample : Wastewater

Item	Parameter	Unit	Method <sup>(A)</sup>	Result	Standard	Analysis Date
				2302-WW0417		
				Polishing Pond		
	- alpha-Endosulfan	µg/L		N.D.	Not detected	20-21/02/23
	- cis-Chlordane (alpha)	µg/L		N.D.	Not detected	20-21/02/23
	- Dieldrin	µg/L		N.D.	Not detected	20-21/02/23
	- 4,4-DDE	µg/L		N.D.	Not detected	20-21/02/23
	- 2,4-DDD	µg/L		N.D.	Not detected	20-21/02/23
	- beta-Endosulfan	µg/L		N.D.	Not detected	20-21/02/23
	- Endrin	µg/L		N.D.	Not detected	20-21/02/23
	- 4,4-DDD	µg/L		N.D.	Not detected	20-21/02/23
	- 2,4-DDT	µg/L		N.D.	Not detected	20-21/02/23
	- 4,4-DDT	µg/L		N.D.	Not detected	20-21/02/23
	- Methoxychlor	µg/L		N.D.	Not detected	20-21/02/23
	- Mirex	µg/L		N.D.	Not detected	20-21/02/23
	- Heptachlor Epoxide	µg/L		N.D.	Not detected	20-21/02/23

Remarks \* "Test marked "Not TISI Accredited" in this Report are not included in the TISI Accreditation Schedule for our Laboratory"

: Polishing Pond = 47P 0712500 UTM 1611472

: N.D. = Not Detectable (Less than 0.10 µg/L)

Method (A) SM = Standard Method for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23<sup>rd</sup> Edition, 2017

(B) คู่มือวิเคราะห์น้ำเสีย พิมพ์ครั้งที่ 3 ของ พ.ร.บ. ควบคุมมลพิษ, วิทยาลัยเทคนิค วิทยาศาสตร์

Standard : Notification of the Royal Irrigation Department No. 18/2018 (B.E. 2561)

Reviewed by

Ms. Wareerut Prachumdaeng  
Chief of Laboratory  
27/02/23



Approved by

Mrs. Pornpip Pethshee  
Laboratory Manager  
27/02/23

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## TEST REPORT

**Analysis No. :** R23-0493  
**Received Date:** 17/02/23  
**Customer :** Technical Division of Thai Environmental Technic Limited  
For Thai Acrylic Fibre Co., Ltd./Acrylic Fiber Production Plant Project (Expansion 3<sup>rd</sup>)  
**Address :** No. 54 Moo 5 Sudbantad Road, T. Tan-Deaw,  
Kaengkhroi, Saraburi 18110  
**Contact :** Tel. (036) 240 100 Ext. 444 E-mail : sompob.pheungsungwan@adityabirla.com  
**Sample Conditions :** 2302-WW0418 = light white  
2302-WW0419 = white turbid/slight white sediment

**Report Date :** 27/02/23  
**Analysis Date :** 16-23/02/23  
**Job No. :** S660162/Feb  
**Sampling Date \* :** 16/02/23  
**Sampling By \* :** TET  
**Type of Sample :** Wastewater

Item	Parameter	Unit	Method	Result		Analysis Date
				2302-WW0418	2302-WW0419	
				Before entering EQ Tank	After Clarifier	
1	Temperature *	°C	Laboratory and Field, Methods (SM 2550B)	45.8	29.1	16/02/23
2	pH *	-	Electrometric Method (SM 4500 B)	4.71	7.09	16/02/23
3	Conductivity *	µs/cm	Laboratory Method (SM 2510 B)	1,946	2,065	21/02/23
4	TSS	mg/L	Dried at 103-105 °C (SM 2540 D)	8.2 *	87.0	21/02/23
5	TDS *	mg/L	Dried at 180 °C (SM 2540 C)	1,026	1,224	21/02/23
6	DO *	mg/L	Membrane Electrode (SM 4500 G)	3.26	3.66	16/02/23
7	BOD *	mg/L	5-Days BOD Test, Azide Modification Method (SM 5210 B)	245	19	17-22/02/23
8	COD *	mg/L	Closed Reflux Titrimetric Method (SM 5220 C)	582	382	20/02/23
9	Oil & Grease *	mg/L	Liquid-Liquid, Partition Gravimetric Method (SM 5520 B)	1.6	1.2	21/02/23
10	Cyanide as HCN *	mg/L	Distillation, Colorimetric Method (SM 4500-CN <sup>-</sup> B/E)	0.819	0.111	23/02/23
11	Sulfate *	mg/L	Turbidimetric (SM 4500-SO <sub>4</sub> <sup>2-</sup> E)	708.42	619.28	21/02/23
12	Total Coliform Bacteria *	MPN/100 mL	Multiple-Tube Fermentation Technique (SM 9221 B&C)	2.0	3.3 x 10 <sup>2</sup>	18-23/02/23

**Remarks :** \* "Test marked "Not TISI Accredited" in this Report are not included in the TISI Accreditation Schedule for our Laboratory"  
Before entering EQ Tank = 47P 0712453 UTM 1611478  
After Clarifier = 47P 0712403 UTM 1611585  
**Method :** SM = Standard Method for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23<sup>rd</sup> Edition, 2017

Reviewed by

Ms. Wareerut Prachumdaeng  
Chief of Laboratory  
27/02/23



Approved by

Mrs. Pornpip Pethshee  
Laboratory Manager  
27/02/23

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## TEST REPORT

Analysis No. : R23-0493

Report Date : 27/02/23

Received Date: 17/02/23

Analysis Date : 16-21/02/23

Customer : Technical Division of Thai Environmental Technic Limited

Job No. : S660162/Feb

For Thai Acrylic Fibre Co., Ltd./Acrylic Fiber Production Plant Project (Expansion 3<sup>rd</sup>)

Sampling Date : 16/02/23

Address : No. 54 Moo 5 Sudbantad Road, T. Tan-Deaw,

Sampling By : TET

Kaengkhohi, Saraburi 18110

Type of Sample : Wastewater

Contact : Tel. (036) 240 100 Ext. 444 E-mail : sompob.pheungsungwan@adityabirla.com

Sample Conditions : 2302-WW0420 = clear/slight white sediment

Item	Parameter	Unit	Method	Result	Analysis Date
				2302-WW0420	
				Blowdown of an acrylic fiber factory	
1	Temperature	°C	Laboratory and Field, Methods (SM 2550B)	83.5	16/02/23
2	pH	-	Electrometric Method (SM 4500 B)	9.59	16/02/23
3	TDS	mg/L	Dried at 180 °C (SM 2540 C)	54	21/02/23

Remarks : Blowdown of an acrylic fiber factory = 47P 0712308 UTM 1611579

Method : SM = Standard Method for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23<sup>rd</sup> Edition, 2017

Reviewed by

Ms. Wareerut Prachumdaeng  
Chief of Laboratory

27/02/23



Approved by

Mrs. Pornpip Pethshee  
Laboratory Manager

27/02/23

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

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## TEST REPORT

**Analysis No.** : R23-0766

**Received Date:** 14/03/23

**Customer** : Technical Division of Thai Environmental Technic Limited

For Thai Acrylic Fibre Co., Ltd./Acrylic Fiber Production Plant Project (Expansion 3<sup>rd</sup>)

**Address** : No. 54 Moo 5 Sudbantad Road, T. Tan-Deaw,  
Kaengkhroi, Saraburi 18110

**Contact** : Tel. (036) 240 100 Ext. 444 E-mail : sompob.pheungsungwan@adityabirla.com

**Sample Conditions** : 2303-WW0405 = clear/slight black sediment, Flow Rate = 458.33 m<sup>3</sup>/hr.

**Report Date** : 22/03/23

**Analysis Date** : 13-20/03/23

**Job No.** : S660162/Mar/1

**Sampling Date \*** : 13/03/23

**Sampling By \*** : TET

**Type of Sample** : Wastewater

Item	Parameter	Unit	Method <sup>(A)</sup>	Result	Standard	Analysis Date
				2303-WW0405		
				Polishing Pond		
1	Temperature *	°C	Laboratory and Field, Methods (SM 2550B)	29.0	40	13/03/23
2	pH *	-	Electrometric Method (SM 4500 B)	7.89	6.5-8.5	13/03/23
3	Color (Original pH) *	ADMI	ADMI Weighted-Ordinate Spectrophotometric Method (SM 2120 F)	32	300	15/03/23
	Color (pH 7) *	ADMI		18	300	15/03/23
4	Conductivity *	µs/cm	Laboratory Method (SM 2510 B)	707	-	16/03/23
5	TSS *	mg/L	Dried at 103-105 °C (SM 2540 D)	3.7	30	16/03/23
6	TDS *	mg/L	Dried at 180 °C (SM 2540 C)	303	1,300	16/03/23
7	DO *	mg/L	Membrane Electrode (SM 4500 G)	4.97	≥2	13/03/23
8	BOD *	mg/L	5-Days BOD Test, Azide Modification Method (SM 5210 B)	5	20	15-20/03/23
9	COD *	mg/L	Closed Reflux Titrimetric Method (SM 5220 C)	59	100	17/03/23
10	Oil & Grease *	mg/L	Liquid-Liquid, Partition Gravimetric Method (SM 5520 B)	0.7	5	15/03/23
11	TKN *	mg/L	Macro-Kjeldahl/Titrimetric Method (SM 4500-N <sub>org</sub> B&4500-NH <sub>3</sub> C)	12.76	35	17/03/23
12	Cyanide as HCN *	mg/L	Distillation, Colorimetric Method (SM 4500-CN <sup>-</sup> B/E)	0.051	0.2	20/03/23
13	Phenols *	mg/L	Distillation, Direct Photometric Method (SM 5530 D)	< 0.001	1	15/03/23
14	Sulfide *	mg/L	ZnS Precipitation, Methylene Blue Colorimetric Method (SM 4500-S <sup>2-</sup> D)	0.18	1	16/03/23
15	Sulfate *	mg/L	Turbidimetric (SM 4500-SO <sub>4</sub> <sup>2-</sup> E)	134.54	-	17/03/23
16	Formaldehyde *	mg/L	Distillation, Colorimetric Method <sup>(B)</sup>	< 0.01	1	15/03/23
17	Free Chlorine *	mg/L	DPD Ferrous Titrimetric Method (SM 4500-Cl <sub>2</sub> F)	< 0.01	1	14/03/23
18	Cr <sup>+3</sup> *	mg/L	Digestion, ICP-OES Method (SM 3030F and 3120B) ; Filtration, Colorimetric Method (SM 3500-Cr B) ; Calculation	< 0.02	0.75	17/03/23
19	Cr <sup>+6</sup> *	mg/L	Filtration, Colorimetric Method (SM 3500-Cr B)	< 0.02	0.25	15/03/23

continue

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## TEST REPORT

**Analysis No.** : R23-0766

**Received Date:** 14/03/23

**Customer** : Technical Division of Thai Environmental Technic Limited

For Thai Acrylic Fibre Co., Ltd./Acrylic Fiber Production Plant Project (Expansion 3<sup>rd</sup>)

**Address** : No. 54 Moo 5 Sudbantad Road, T. Tan-Deaw,

Kaengkhoei, Saraburi 18110

**Contact** : Tel. (036) 240 100 Ext. 444 E-mail : sompob.pheungsungwan@adityabirla.com

**Report Date** : 22/03/23

**Analysis Date** : 13-20/03/23

**Job No.** : S660162/Mar/1

**Sampling Date \*** : 13/03/23

**Sampling By \*** : TET

**Type of Sample** : Wastewater

Item	Parameter	Unit	Method <sup>(A)</sup>	Result	Standard	Analysis Date
				2303-WW0405		
				Polishing Pond		
20	Cd *	mg/L	Digestion, Electrothermal AAS Method (SM 3030E and 3113B)	< 0.001	0.01	14/03/23
21	Hg *	mg/L	Cold-Vapor AAS Method (SM 3112 B)	< 0.0005	0.005	17/03/23
22	As *	mg/L	Digestion, Continuous Hydride generation/AAS Method (SM 3114 C)	0.0007	0.25	15/03/23
23	Se *	mg/L		< 0.0005	0.02	15/03/23
24	Ba	mg/L	Digestion, ICP-OES Method (SM 3030F and 3120B)	< 0.05	1.0	17/03/23
25	Cu	mg/L	Digestion, ICP-OES Method (SM 3030F and 3120B)	< 0.05	1.0	17/03/23
26	Mn	mg/L	Digestion, ICP-OES Method (SM 3030F and 3120B)	< 0.02	5.0	17/03/23
27	Ni	mg/L	Digestion, ICP-OES Method (SM 3030F and 3120B)	< 0.02	0.2	17/03/23
28	Pb	mg/L	Digestion, ICP-OES Method (SM 3030F and 3120B)	< 0.04	0.1	17/03/23
29	Zn	mg/L	Digestion, ICP-OES Method (SM 3030F and 3120B)	< 0.04	5.0	17/03/23
30	Total Coliform Bacteria *	MPN/100 mL	Multiple-Tube Fermentation Technique (SM 9221 B&C)	5.4 x 10 <sup>2</sup>	-	14-18/03/23
31	Pesticide *		LLE, GC/ECD (SM 6630 B)			
	- alpha-HCH	µg/L		N.D.	Not detected	16-17/03/23
	- Hexachlorobenzene	µg/L		N.D.	Not detected	16-17/03/23
	- beta-HCH	µg/L		N.D.	Not detected	16-17/03/23
	- gamma-HCH	µg/L		N.D.	Not detected	16-17/03/23
	- delta-HCH	µg/L		N.D.	Not detected	16-17/03/23
	- epsilon-HCH	µg/L		N.D.	Not detected	16-17/03/23
	- Heptachlor	µg/L		N.D.	Not detected	16-17/03/23
	- Aldrin	µg/L		N.D.	Not detected	16-17/03/23
	- Isodrin	µg/L		N.D.	Not detected	16-17/03/23
	- Heptachlor-exo-epoxide (cis-isomer B)	µg/L		N.D.	Not detected	16-17/03/23
	- oxy-Chlordane	µg/L		N.D.	Not detected	16-17/03/23
	- Heptachlor-endo-epoxide (trans-isomer A)	µg/L		N.D.	Not detected	16-17/03/23
	- trans-chlordane (gamma)	µg/L		N.D.	Not detected	16-17/03/23
	- 2,4-DDE	µg/L		N.D.	Not detected	16-17/03/23

continue



## TEST REPORT

Analysis No. : R23-0766

Received Date: 14/03/23

Customer : Technical Division of Thai Environmental Technic Limited

For Thai Acrylic Fibre Co., Ltd./Acrylic Fiber Production Plant Project (Expansion 3<sup>rd</sup>)

Address : No. 54 Moo 5 Sudbantad Road, T. Tan-Deaw,  
Kaengkhoi, Saraburi 18110

Contact : Tel. (036) 240 100 Ext. 444 E-mail : sompob.pheungsungwan@adityabirla.com

Report Date : 22/03/23

Analysis Date : 13-20/03/23

Job No. : S660162/Mar/1

Sampling Date \* : 13/03/23

Sampling By \* : TET

Type of Sample : Wastewater

Item	Parameter	Unit	Method <sup>(A)</sup>	Result	Standard	Analysis Date
				2303-WW0405		
				Polishing Pond		
	- alpha-Endosulfan	µg/L		N.D.	Not detected	16-17/03/23
	- cis-Chlordane (alpha)	µg/L		N.D.	Not detected	16-17/03/23
	- Dieldrin	µg/L		N.D.	Not detected	16-17/03/23
	- 4,4-DDE	µg/L		N.D.	Not detected	16-17/03/23
	- 2,4-DDD	µg/L		N.D.	Not detected	16-17/03/23
	- beta-Endosulfan	µg/L		N.D.	Not detected	16-17/03/23
	- Endrin	µg/L		N.D.	Not detected	16-17/03/23
	- 4,4-DDD	µg/L		N.D.	Not detected	16-17/03/23
	- 2,4-DDT	µg/L		N.D.	Not detected	16-17/03/23
	- 4,4-DDT	µg/L		N.D.	Not detected	16-17/03/23
	- Methoxychlor	µg/L		N.D.	Not detected	16-17/03/23
	- Mirex	µg/L		N.D.	Not detected	16-17/03/23
	- Heptachlor Epoxide	µg/L		N.D.	Not detected	16-17/03/23

Remarks \* "Test marked "Not TISI Accredited" in this Report are not included in the TISI Accreditation Schedule for our Laboratory"

: Polishing Pond = 47P 0712500 UTM 1611472

: N.D. = Not Detectable (Less than 0.10 µg/L)

Method (A) SM = Standard Method for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23<sup>rd</sup> Edition, 2017

(B) คู่มือวิเคราะห์น้ำเสีย พิมพ์ครั้งที่ 3 รรชช พรพรรณสวัสดิ์, วิบูลย์ลักษณ์ วิศุทธิ์ศักดิ์

Standard : Notification of the Royal Irrigation Department No. 18/2018 (B.E. 2561)

Reviewed by

Ms. Wareerut Prachumdaeng  
Chief of Laboratory  
22/03/23



Approved by

Mrs. Pornpip Pethshee  
Laboratory Manager  
22/03/23

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## TEST REPORT

**Analysis No.** : R23-0766  
**Received Date:** 14/03/23  
**Customer** : Technical Division of Thai Environmental Technic Limited  
For Thai Acrylic Fibre Co., Ltd./Acrylic Fiber Production Plant Project (Expansion 3<sup>rd</sup>)  
**Address** : No. 54 Moo 5 Sudbantad Road, T. Tan-Deaw,  
Kaengkhoi, Saraburi 18110  
**Contact** : Tel. (036) 240 100 Ext. 444 E-mail : sompob.pheungsungwan@adityabirla.com  
**Sample Conditions** : 2303-WW0406 = white turbid/high white sediment/covered with oil slick/smell  
2303-WW0407 = yellow turbid/high black sediment/covered with oil slick/smell

**Report Date** : 22/03/23  
**Analysis Date** : 13-20/03/23  
**Job No.** : S660162/Mar/1  
**Sampling Date \*** : 13/03/23  
**Sampling By \*** : TET  
**Type of Sample** : Wastewater

Item	Parameter	Unit	Method	Result		Analysis Date
				2303-WW0406	2303-WW0407	
				Before entering EQ Tank	After Clarifier	
1	Temperature *	°C	Laboratory and Field, Methods (SM 2550B)	43.6	29.9	13/03/23
2	pH *	-	Electrometric Method (SM 4500 B)	7.10	7.84	13/03/23
3	Conductivity *	µs/cm	Laboratory Method (SM 2510 B)	2,265	2,770	16/03/23
4	TSS	mg/L	Dried at 103-105 °C (SM 2540 D)	13.3	90.4	16/03/23
5	TDS *	mg/L	Dried at 180 °C (SM 2540 C)	1,440	1,505	16/03/23
6	DO *	mg/L	Membrane Electrode (SM 4500 G)	0.44	3.21	13/03/23
7	BOD *	mg/L	5-Days BOD Test, Azide Modification Method (SM 5210 B)	203	37	15-20/03/23
8	COD *	mg/L	Closed Reflux Titrimetric Method (SM 5220 C)	625	353	17/03/23
9	Oil & Grease *	mg/L	Liquid-Liquid, Partition Gravimetric Method (SM 5520 B)	1.6	1.2	15/03/23
10	Cyanide as HCN *	mg/L	Distillation, Colorimetric Method (SM 4500-CN <sup>-</sup> B/E)	1.381	0.144	20/03/23
11	Sulfate *	mg/L	Turbidimetric (SM 4500-SO <sub>4</sub> <sup>2-</sup> E)	721.51	635.38	17/03/23
12	Total Coliform Bacteria *	MPN/100 mL	Multiple-Tube Fermentation Technique (SM 9221 B&C)	2.4 x 10 <sup>2</sup>	2.4 x 10 <sup>3</sup>	14-18/03/23

**Remarks** : \* "Test marked "Not TISI Accredited" in this Report are not included in the TISI Accreditation Schedule for our Laboratory"  
: Before entering EQ Tank = 47P 0712453 UTM 1611478  
After Clarifier = 47P 0712403 UTM 1611585  
**Method** : SM = Standard Method for the Examination of Water and Wastewater, APHA, AWWA, WPCF 23<sup>rd</sup> Edition, 2017

Reviewed by

Ms. Wareerut Prachumdaeng  
Chief of Laboratory  
22/03/23



Approved by

Mrs. Pornpip Pethshee  
Laboratory Manager  
22/03/23

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## TEST REPORT

**Analysis No.** : R23-0766

**Report Date** : 22/03/23

**Received Date:** 14/03/23

**Analysis Date** : 13-16/03/23

**Customer** : Technical Division of Thai Environmental Technic Limited

**Job No.** : S660162/Mar/1

For Thai Acrylic Fibre Co., Ltd./Acrylic Fiber Production Plant Project (Expansion 3<sup>rd</sup>)

**Sampling Date** : 13/03/23

**Address** : No. 54 Moo 5 Sudbantad Road, T. Tan-Deaw,

**Sampling By** : TET

Kaengkhroi, Saraburi 18110

**Type of Sample** : Wastewater

**Contact** : Tel. (036) 240 100 Ext. 444 E-mail : sompob.pheungsungwan@adityabirla.com

**Sample Conditions** : 2303-WW0408 = clear/slight black sediment

Item	Parameter	Unit	Method	Result	Analysis Date
				2303-WW0408	
				Blowdown of an acrylic fiber factory	
1	Temperature	°C	Laboratory and Field, Methods (SM 2550B)	86.0	13/03/23
2	pH	-	Electrometric Method (SM 4500 B)	9.79	13/03/23
3	TDS	mg/L	Dried at 180 °C (SM 2540 C)	53	16/03/23

**Remarks** : Blowdown of an acrylic fiber factory = 47P 0712308 UTM 1611579

**Method** : SM = Standard Method for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23<sup>rd</sup> Edition, 2017

Reviewed by

Ms. Wareerut Prachumdaeng  
Chief of Laboratory  
22/03/23



Approved by

Mrs. Pornip Pethshee  
Laboratory Manager  
22/03/23

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## TEST REPORT

Analysis No. : R23-0766

Received Date: 14/03/23

Customer : Technical Division of Thai Environmental Technic Limited

For Thai Acrylic Fibre Co., Ltd./Acrylic Fiber Production Plant Project (Expansion 3<sup>rd</sup>)

Address : No. 54 Moo 5 Sudbantad Road, T. Tan-Deaw,  
Kaengkhoi, Saraburi 18110

Contact : Tel. (036) 240 100 Ext. 444 E-mail : sompob.pheungsungwan@adityabirla.com

Sample Conditions : 2303-WW0409 = yellow turbid/slight black sediment

Report Date : 22/03/23

Analysis Date : 13-20/03/23

Job No. : S660162/Mar/1

Sampling Date \* : 13/03/23

Sampling By \* : TET

Type of Sample : Wastewater

Item	Parameter	Unit	Method	Result	Standard	Analysis Date
				2303-WW0409		
				Drain Pipe		
1	pH *	-	Electrometric Method (SM 4500 B)	7.83	6.5-8.5	13/03/23
2	Oil & Grease *	mg/L	Liquid-Liquid, Partition Gravimetric Method (SM 5520 B)	0.6	5	15/03/23
3	NH <sub>3</sub> -N *	mg/L	Distillation/Titrimetric Method (SM 4500-NH <sub>3</sub> C)	16.98	-	17/03/23
4	Cyanide as HCN *	mg/L	Distillation, Colorimetric Method (SM 4500-CN <sup>-</sup> B/E)	0.089	0.2	20/03/23
5	Surfactant (Detergent or ABS) *	mg/L	Anionic Surfactants as MBAS (SM 5540 C)	0.11	-	16/03/23
6	Cr <sup>+3</sup> *	mg/L	Digestion, ICP-OES Method (SM 3030F and 3120B) ; Filtration, Colorimetric Method (SM 3500-Cr B) ; Calculation	< 0.02	0.75	17/03/23
7	Cr <sup>+6</sup> *	mg/L	Filtration, Colorimetric Method (SM 3500-Cr B)	< 0.02	0.25	15/03/23
8	Cd *	mg/L	Digestion, Electrothermal AAS Method (SM 3030E and 3113B)	< 0.001	0.01	14/03/23
9	Hg *	mg/L	Cold-Vapor AAS Method (SM 3112 B)	< 0.0005	0.005	17/03/23
10	As *	mg/L	Digestion, Continuous Hydride generation/AAS Method (SM 3114 C)	0.0009	0.25	15/03/23
11	Se *	mg/L		< 0.0005	0.02	15/03/23
12	Ba	mg/L	Digestion, ICP-OES Method (SM 3030F and 3120B)	0.06	1.0	17/03/23
13	Cu	mg/L	Digestion, ICP-OES Method (SM 3030F and 3120B)	< 0.05	1.0	17/03/23
14	Mn	mg/L	Digestion, ICP-OES Method (SM 3030F and 3120B)	0.03	5.0	17/03/23
15	Ni	mg/L	Digestion, ICP-OES Method (SM 3030F and 3120B)	< 0.02	0.2	17/03/23
16	Pb	mg/L	Digestion, ICP-OES Method (SM 3030F and 3120B)	< 0.04	0.1	17/03/23
17	Zn	mg/L	Digestion, ICP-OES Method (SM 3030F and 3120B)	< 0.04	5.0	17/03/23

Remarks \* "Test marked "Not TISI Accredited" in this Report are not included in the TISI Accreditation Schedule for our Laboratory"

: Drain Pipe = 47P 0711718 UTM 1610773

Method : SM = Standard Method for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23<sup>rd</sup> Edition, 2017

Standard : Notification of the Royal Irrigation Department No. 18/2018 (B.E./2561)

Reviewed by

Ms. Wareerut Prachumdaeng

Chief of Laboratory

22/03/23

Approved by

Mrs. Pornpip Pethshee

Laboratory Manager

22/03/23

END OF REPORT

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

Analysis No. : R23-1032

Received Date: 07/04/23

Customer : Technical Division of Thai Environmental Technic Limited

For Thai Acrylic Fibre Co., Ltd./Acrylic Fiber Production Plant Project (Expansion 3<sup>rd</sup>)

Address : No. 54 Moo 5 Sudbantad Road, T. Tan-Deaw,  
Kaengkhohi, Saraburi 18110

Contact : Tel. (036) 240 100 Ext. 444 E-mail : sompob.pheungsungwan@adityabirla.com

Sample Conditions : 2304-WW0166 = yellow turbid/slight black sediment/covered with oil slick, Flow Rate = 529.17 m<sup>3</sup>/hr.

Report Date : 18/04/23

Analysis Date : 06-12/04/23

Job No. : S660162/Apr

Sampling Date \* : 06/04/23

Sampling By \* : TET

Type of Sample : Wastewater

Item	Parameter	Unit	Method <sup>(A)</sup>	Result	Standard	Analysis Date
				2304-WW0166		
				Polishing Pond		
1	Temperature *	°C	Laboratory and Field, Methods (SM 2550B)	32.5	40	06/04/23
2	pH *	-	Electrometric Method (SM 4500 B)	7.99	6.5-8.5	06/04/23
3	Color (Original pH) *	ADMI	ADMI Weighted-Ordinate Spectrophotometric Method (SM 2120 F)	16	300	07/04/23
	Color (pH 7) *	ADMI		13	300	07/04/23
4	Conductivity *	µs/cm	Laboratory Method (SM 2510 B)	819	-	07/04/23
5	TSS *	mg/L	Dried at 103-105 °C (SM 2540 D)	5.9	30	10/04/23
6	TDS *	mg/L	Dried at 180 °C (SM 2540 C)	370	1,300	11/04/23
7	DO *	mg/L	Membrane Electrode (SM 4500 G)	4.56	≥2	06/04/23
8	BOD *	mg/L	5-Days BOD Test, Azide Modification Method (SM 5210 B)	6	20	07-12/04/23
9	COD *	mg/L	Closed Reflux Titrimetric Method (SM 5220 C)	53	100	10/04/23
10	Oil & Grease *	mg/L	Liquid-Liquid, Partition Gravimetric Method (SM 5520 B)	0.8	5	11/04/23
11	TKN *	mg/L	Macro-Kjeldahl/Titrimetric Method (SM 4500-N <sub>org</sub> B&4500-NH <sub>3</sub> C)	10.00	35	11/04/23
12	Cyanide as HCN *	mg/L	Distillation, Colorimetric Method (SM 4500-CN <sup>-</sup> B/E)	< 0.001	0.2	12/04/23
13	Phenols *	mg/L	Distillation, Direct Photometric Method (SM 5530 D)	< 0.001	1	07/04/23
14	Sulfide *	mg/L	ZnS Precipitation, Methylene Blue Colorimetric Method (SM 4500-S <sup>2-</sup> D)	< 0.01	1	07/04/23
15	Sulfate *	mg/L	Turbidimetric (SM 4500-SO <sub>4</sub> <sup>2-</sup> E)	82.20	-	12/04/23
16	Formaldehyde *	mg/L	Distillation, Colorimetric Method <sup>(B)</sup>	< 0.01	1	07/04/23
17	Free Chlorine *	mg/L	DPD Ferrous Titrimetric Method (SM 4500-Cl <sub>2</sub> F)	< 0.01	1	10/04/23
18	Cr <sup>+3</sup> *	mg/L	Digestion, ICP-OES Method (SM 3030F and 3120B) ; Filtration, Colorimetric Method (SM 3500-Cr B) ; Calculation	< 0.02	0.75	10/04/23
19	Cr <sup>+6</sup> *	mg/L	Filtration, Colorimetric Method (SM 3500-Cr B)	< 0.02	0.25	07/04/23

continue

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## TEST REPORT

Analysis No. : R23-1032

Received Date: 07/04/23

Customer : Technical Division of Thai Environmental Technic Limited

For Thai Acrylic Fibre Co., Ltd./Acrylic Fiber Production Plant Project (Expansion 3<sup>rd</sup>)

Address : No. 54 Moo 5 Sudbantad Road, T. Tan-Deaw,  
Kaengkhoi, Saraburi 18110

Contact : Tel. (036) 240 100 Ext. 444 E-mail : sompob.pheungsungwan@adityabirla.com

Report Date : 18/04/23

Analysis Date : 06-12/04/23

Job No. : S660162/Apr

Sampling Date \* : 06/04/23

Sampling By \* : TET

Type of Sample : Wastewater

Item	Parameter	Unit	Method <sup>(A)</sup>	Result	Standard	Analysis Date
				2304-WW0166		
				Polishing Pond		
20	Cd *	mg/L	Digestion, Electrothermal AAS Method (SM 3030E and 3113B)	< 0.001	0.01	11/04/23
21	Hg *	mg/L	Cold-Vapor AAS Method (SM 3112 B)	< 0.0005	0.005	11/04/23
22	As *	mg/L	Digestion, Continuous Hydride generation/AAS Method (SM 3114 C)	< 0.0005	0.25	12/04/23
23	Se *	mg/L		< 0.0005	0.02	12/04/23
24	Ba	mg/L	Digestion, ICP-OES Method (SM 3030F and 3120B)	0.06	1.0	10/04/23
25	Cu	mg/L	Digestion, ICP-OES Method (SM 3030F and 3120B)	< 0.05	1.0	10/04/23
26	Mn	mg/L	Digestion, ICP-OES Method (SM 3030F and 3120B)	< 0.02	5.0	10/04/23
27	Ni	mg/L	Digestion, ICP-OES Method (SM 3030F and 3120B)	< 0.02	0.2	10/04/23
28	Pb	mg/L	Digestion, ICP-OES Method (SM 3030F and 3120B)	< 0.04	0.1	10/04/23
29	Zn	mg/L	Digestion, ICP-OES Method (SM 3030F and 3120B)	< 0.04	5.0	10/04/23
30	Total Coliform Bacteria *	MPN/100 mL	Multiple-Tube Fermentation Technique (SM 9221 B&C)	4.9 x 10 <sup>3</sup>	-	08-12/04/23
31	Pesticide *		LLE, GC/ECD (SM 6630 B)			
	- alpha-HCH	µg/L		N.D.	Not detected	11-12/04/23
	- Hexachlorobenzene	µg/L		N.D.	Not detected	11-12/04/23
	- beta-HCH	µg/L		N.D.	Not detected	11-12/04/23
	- gamma-HCH	µg/L		N.D.	Not detected	11-12/04/23
	- delta-HCH	µg/L		N.D.	Not detected	11-12/04/23
	- epsilon-HCH	µg/L		N.D.	Not detected	11-12/04/23
	- Heptachlor	µg/L		N.D.	Not detected	11-12/04/23
	- Aldrin	µg/L		N.D.	Not detected	11-12/04/23
	- Isodrin	µg/L		N.D.	Not detected	11-12/04/23
	- Heptachlor-exo-epoxide (cis-isomer B)	µg/L		N.D.	Not detected	11-12/04/23
	- oxy-Chlordane	µg/L		N.D.	Not detected	11-12/04/23
	- Heptachlor-endo-epoxide (trans-isomer A)	µg/L		N.D.	Not detected	11-12/04/23
	- trans-chlordane (gamma)	µg/L		N.D.	Not detected	11-12/04/23
	- 2,4-DDE	µg/L		N.D.	Not detected	11-12/04/23

continue

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## TEST REPORT

Analysis No. : R23-1032

Received Date: 07/04/23

Customer : Technical Division of Thai Environmental Technic Limited

For Thai Acrylic Fibre Co., Ltd./Acrylic Fiber Production Plant Project (Expansion 3<sup>rd</sup>)

Address : No. 54 Moo 5 Sudbantad Road, T. Tan-Deaw,  
Kaengkhoi, Saraburi 18110

Contact : Tel. (036) 240 100 Ext. 444 E-mail : sompob.pheungsungwan@adityabirla.com

Report Date : 18/04/23

Analysis Date : 06-12/04/23

Job No. : S660162/Apr

Sampling Date \* : 06/04/23

Sampling By \* : TET

Type of Sample : Wastewater

Item	Parameter	Unit	Method <sup>(A)</sup>	Result	Standard	Analysis Date
				2304-WW0166		
				Polishing Pond		
	- alpha-Endosulfan	µg/L		N.D.	Not detected	11-12/04/23
	- cis-Chlordane (alpha)	µg/L		N.D.	Not detected	11-12/04/23
	- Dieldrin	µg/L		N.D.	Not detected	11-12/04/23
	- 4,4-DDE	µg/L		N.D.	Not detected	11-12/04/23
	- 2,4-DDD	µg/L		N.D.	Not detected	11-12/04/23
	- beta-Endosulfan	µg/L		N.D.	Not detected	11-12/04/23
	- Endrin	µg/L		N.D.	Not detected	11-12/04/23
	- 4,4-DDD	µg/L		N.D.	Not detected	11-12/04/23
	- 2,4-DDT	µg/L		N.D.	Not detected	11-12/04/23
	- 4,4-DDT	µg/L		N.D.	Not detected	11-12/04/23
	- Methoxychlor	µg/L		N.D.	Not detected	11-12/04/23
	- Mirex	µg/L		N.D.	Not detected	11-12/04/23
	- Heptachlor Epoxide	µg/L		N.D.	Not detected	11-12/04/23

Remarks \* "Test marked "Not TISI Accredited" in this Report are not included in the TISI Accreditation Schedule for our Laboratory"

: Polishing Pond = 47P 0712500 UTM 1611472

: N.D. = Not Detectable (Less than 0.10 µg/L)

Method (A) SM = Standard Method for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23<sup>rd</sup> Edition, 2017

(B) คู่มือวิเคราะห์น้ำเสีย พิมพ์ครั้งที่ 3 รงชัย พรหมสวัสดิ์, วิบูลย์ลักษณ์ วิสุทธศักดิ์

Standard : Notification of the Royal Irrigation Department No. 18/2018 (B.E. 2561)

Reviewed by

Ms. Wareerut Prachumdaeng  
Chief of Laboratory  
18/04/23



Approved by

Mrs. Pornpip Pethshee  
Laboratory Manager  
18/04/23

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## TEST REPORT

Analysis No. : R23-1032

Received Date: 07/04/23

Customer : Technical Division of Thai Environmental Technic Limited

For Thai Acrylic Fibre Co., Ltd./Acrylic Fiber Production Plant Project (Expansion 3<sup>rd</sup>)

Address : No. 54 Moo 5 Sudbantad Road, T. Tan-Deaw,  
Kaengkhoi, Saraburi 18110

Contact : Tel. (036) 240 100 Ext. 444 E-mail : sompob.pheungsungwan@adityabirla.com

Sample Conditions : 2304-WW0167 = white turbid/moderate white sediment/covered with oil slick/smell  
2304-WW0168 = yellow turbid/slight black sediment/covered with oil slick

Report Date : 18/04/23

Analysis Date : 06-18/04/23

Job No. : S660162/Apr

Sampling Date \* : 06/04/23

Sampling By \* : TET

Type of Sample : Wastewater

Item	Parameter	Unit	Method	Result		Analysis Date
				2304-WW0167	2304-WW0168	
				Before entering EQ Tank	After Clarifier	
1	Temperature *	°C	Laboratory and Field, Methods (SM 2550B)	42.2	33.4	06/04/23
2	pH *	-	Electrometric Method (SM 4500 B)	5.62	7.35	06/04/23
3	Conductivity *	µs/cm	Laboratory Method (SM 2510 B)	2,450	2,840	07/04/23
4	TSS	mg/L	Dried at 103-105 °C (SM 2540 D)	15.1	160.6	10/04/23
5	TDS *	mg/L	Dried at 180 °C (SM 2540 C)	1,530	1,694	11/04/23
6	DO *	mg/L	Membrane Electrode (SM 4500 G)	1.65	2.59	06/04/23
7	BOD *	mg/L	5-Days BOD Test, Azide Modification Method (SM 5210 B)	183	46	07-12/04/23
8	COD *	mg/L	Closed Reflux Titrimetric Method (SM 5220 C)	676	402	10, 11/04/23
9	Oil & Grease *	mg/L	Liquid-Liquid, Partition Gravimetric Method (SM 5520 B)	1.7	1.4	11/04/23
10	Cyanide as HCN *	mg/L	Distillation, Colorimetric Method (SM 4500-CN <sup>-</sup> B/E)	0.054	0.014	18/04/23
11	Sulfate *	mg/L	Turbidimetric (SM 4500-SO <sub>4</sub> <sup>2-</sup> E)	721.81	794.48	12/04/23
12	Total Coliform Bacteria *	MPN/100 mL	Multiple-Tube Fermentation Technique (SM 9221 B&C)	< 1.8	3.5 x 10 <sup>2</sup>	08-12/04/23

Remarks \* "Test marked "Not TISI Accredited" in this Report are not included in the TISI Accreditation Schedule for our Laboratory"

: Before entering EQ Tank = 47P 0712453 UTM 1611478, Analysis Date COD = 10/04/23

: After Clarifier = 47P 0712403 UTM 1611585, Analysis Date COD = 11/04/23

Method : SM = Standard Method for the Examination of Water and Wastewater, APHA-AWWA-WPCF 23<sup>rd</sup> Edition, 2017

Reviewed by

Ms. Wareerut Prachumdaeng  
Chief of Laboratory  
18/04/23

Approved by

Mrs. Pornpip Pethshee  
Laboratory Manager  
18/04/23



REPORTED RESULTS REFER TO SUBMITTED SAMPLE(S) ONLY

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## TEST REPORT

**Analysis No.** : R23-1032

**Report Date** : 18/04/23

**Received Date:** 07/04/23

**Analysis Date** : 06-11/04/23

**Customer** : Technical Division of Thai Environmental Technic Limited

**Job No.** : S660162/Apr

For Thai Acrylic Fibre Co., Ltd./Acrylic Fiber Production Plant Project (Expansion 3<sup>rd</sup>)

**Sampling Date** : 06/04/23

**Address** : No. 54 Moo 5 Sudbantad Road, T. Tan-Deaw,

**Sampling By** : TET

Kaengkhoi, Saraburi 18110

**Type of Sample** : Wastewater

**Contact** : Tel. (036) 240 100 Ext. 444 E-mail : sompob.pheungsungwan@adityabirla.com

**Sample Conditions** : 2304-WW0169 = clear/slight black sediment/covered with oil slick

Item	Parameter	Unit	Method	Result	Analysis Date
				2304-WW0169	
				Blowdown of an acrylic fiber factory	
1	Temperature	°C	Laboratory and Field, Methods (SM 2550B)	82.0	06/04/23
2	pH	-	Electrometric Method (SM 4500 B)	9.45	06/04/23
3	TDS	mg/L	Dried at 180 °C (SM 2540 C)	109	11/04/23

**Remarks** : Blowdown of an acrylic fiber factory = 47P 0712308 UTM 1611579

**Method** : SM = Standard Method for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23<sup>rd</sup> Edition, 2017

Reviewed by

Ms. Wareerut Prachumdaeng

Chief of Laboratory

18/04/23



Approved by

Mrs. Pornpip Pethshee

Laboratory Manager

18/04/23

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

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## TEST REPORT

**Analysis No.** : R23-1416  
**Received Date:** 12/05/23  
**Customer** : Technical Division of Thai Environmental Technic Limited  
For Thai Acrylic Fibre Co., Ltd./Acrylic Fiber Production Plant Project (Expansion 3<sup>rd</sup>)  
**Address** : No. 54 Moo 5 Sudbantad Road, T. Tan-Deaw,  
Kaengkhoi, Saraburi 18110  
**Contact** : Tel. (036) 240 100 Ext. 444 E-mail : sompob.pheungsungwan@adityabirla.com  
**Report Date** : 09/06/23  
**Analysis Date** : 11-18/05/23  
**Job No.** : S660162/May  
**Sampling Date \*** : 11/05/23  
**Sampling By \*** : TET  
**Type of Sample** : Wastewater  
**Sample Conditions** : 2305-WW0295 = yellow turbid/slight black sediment, Flow Rate = 516.67 m<sup>3</sup>/hr.

Item	Parameter	Unit	Method <sup>(A)</sup>	Result	Standard	Analysis Date
				2305-WW0295		
				Polishing Pond		
1	Temperature *	°C	Laboratory and Field, Methods (SM 2550B)	31.5	40	11/05/23
2	pH *	-	Electrometric Method (SM 4500 B)	7.42	6.5-8.5	11/05/23
3	Color (Original pH) *	ADMI	ADMI Weighted-Ordinate Spectrophotometric Method (SM 2120 F)	22	300	12/05/23
	Color (pH 7) *	ADMI		19	300	12/05/23
4	Conductivity *	µs/cm	Laboratory Method (SM 2510 B)	771	-	16/05/23
5	TSS *	mg/L	Dried at 103-105 °C (SM 2540 D)	2.9	30	16/05/23
6	TDS *	mg/L	Dried at 180 °C (SM 2540 C)	394	1,300	17/05/23
7	DO *	mg/L	Membrane Electrode (SM 4500 G)	4.64	≥2	11/05/23
8	BOD *	mg/L	5-Days BOD Test, Azide Modification Method (SM 5210 B)	5	20	12-17/05/23
9	COD *	mg/L	Closed Reflux Titrimetric Method (SM 5220 C)	51	100	16/05/23
10	Oil & Grease *	mg/L	Liquid-Liquid, Partition Gravimetric Method (SM 5520 B)	0.7	5	17/05/23
11	TKN *	mg/L	Macro-Kjeldahl/Titrimetric Method (SM 4500-N <sub>org</sub> B&4500-NH <sub>3</sub> C)	9.50	35	17/05/23
12	Cyanide as HCN *	mg/L	Distillation, Colorimetric Method (SM 4500-CN <sup>-</sup> B/E)	0.028	0.2	16/05/23
13	Phenols *	mg/L	Distillation, Direct Photometric Method (SM 5530 D)	< 0.001	1	16/05/23
14	Sulfide *	mg/L	ZnS Precipitation, Methylene Blue Colorimetric Method (SM 4500-S <sup>2-</sup> D)	< 0.01	1	12/05/23
15	Sulfate *	mg/L	Turbidimetric (SM 4500-SO <sub>4</sub> <sup>2-</sup> E)	111.65	-	17/05/23
16	Formaldehyde *	mg/L	Distillation, Colorimetric Method <sup>(B)</sup>	< 0.01	1	16/05/23
17	Free Chlorine *	mg/L	DPD Ferrous Titrimetric Method (SM 4500-Cl <sub>2</sub> F)	< 0.01	1	12/05/23
18	Cr <sup>+3</sup> *	mg/L	Digestion, ICP-OES Method (SM 3030F and 3120B) ;	< 0.02	0.75	16/05/23
			Filtration, Colorimetric Method (SM 3500-Cr B) ; Calculation			
19	Cr <sup>+6</sup> *	mg/L	Filtration, Colorimetric Method (SM 3500-Cr B)	< 0.02	0.25	12/05/23

continue

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## TEST REPORT

**Analysis No.** : R23-1416  
**Received Date:** 12/05/23  
**Customer** : Technical Division of Thai Environmental Technic Limited  
For Thai Acrylic Fibre Co., Ltd./Acrylic Fiber Production Plant Project (Expansion 3<sup>rd</sup>)  
**Address** : No. 54 Moo 5 Sudbantad Road, T. Tan-Deaw,  
Kaengkhohi, Saraburi 18110  
**Contact** : Tel. (036) 240 100 Ext. 444 E-mail : sompob.pheungsungwan@adityabirla.com

**Report Date** : 09/06/23  
**Analysis Date** : 11-18/05/23  
**Job No.** : S660162/May  
**Sampling Date \*** : 11/05/23  
**Sampling By \*** : TET  
**Type of Sample** : Wastewater

Item	Parameter	Unit	Method <sup>(A)</sup>	Result	Standard	Analysis Date
				2305-WW0295		
				Polishing Pond		
20	Cd *	mg/L	Digestion, Electrothermal AAS Method (SM 3030E and 3113B)	< 0.001	0.01	17/05/23
21	Hg *	mg/L	Cold-Vapor AAS Method (SM 3112 B)	< 0.0005	0.005	18/05/23
22	As *	mg/L	Digestion, Continuous Hydride generation/AAS Method (SM 3114 C)	< 0.0005	0.25	12/05/23
23	Se *	mg/L		< 0.0005	0.02	12/05/23
24	Ba	mg/L	Digestion, ICP-OES Method (SM 3030F and 3120B)	0.08	1.0	16/05/23
25	Cu	mg/L	Digestion, ICP-OES Method (SM 3030F and 3120B)	< 0.05	1.0	16/05/23
26	Mn	mg/L	Digestion, ICP-OES Method (SM 3030F and 3120B)	0.04	5.0	16/05/23
27	Ni	mg/L	Digestion, ICP-OES Method (SM 3030F and 3120B)	< 0.02	0.2	16/05/23
28	Pb	mg/L	Digestion, ICP-OES Method (SM 3030F and 3120B)	< 0.04	0.1	16/05/23
29	Zn	mg/L	Digestion, ICP-OES Method (SM 3030F and 3120B)	< 0.04	5.0	16/05/23
30	Total Coliform Bacteria *	MPN/100 mL	Multiple-Tube Fermentation Technique (SM 9221 B&C)	1.1 x 10 <sup>4</sup>	-	12-17/05/23
31	Pesticide *		LLE, GC/ECD (SM 6630 B)			
	- alpha-HCH	µg/L		N.D.	Not detected	17-18/05/23
	- Hexachlorobenzene	µg/L		N.D.	Not detected	17-18/05/23
	- beta-HCH	µg/L		N.D.	Not detected	17-18/05/23
	- gamma-HCH	µg/L		N.D.	Not detected	17-18/05/23
	- delta-HCH	µg/L		N.D.	Not detected	17-18/05/23
	- epsilon-HCH	µg/L		N.D.	Not detected	17-18/05/23
	- Heptachlor	µg/L		N.D.	Not detected	17-18/05/23
	- Aldrin	µg/L		N.D.	Not detected	17-18/05/23
	- Isodrin	µg/L		N.D.	Not detected	17-18/05/23
	- Heptachlor-exo-epoxide (cis-isomer B)	µg/L		N.D.	Not detected	17-18/05/23
	- oxy-Chlordane	µg/L		N.D.	Not detected	17-18/05/23
	- Heptachlor-endo-epoxide (trans-isomer A)	µg/L		N.D.	Not detected	17-18/05/23
	- trans-chlordane (gamma)	µg/L		N.D.	Not detected	17-18/05/23
	- 2,4-DDE	µg/L		N.D.	Not detected	17-18/05/23

continue

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## TEST REPORT

**Analysis No.** : R23-1416  
**Received Date:** 12/05/23  
**Customer** : Technical Division of Thai Environmental Technic Limited  
For Thai Acrylic Fibre Co., Ltd./Acrylic Fiber Production Plant Project (Expansion 3<sup>rd</sup>)  
**Address** : No. 54 Moo 5 Sudbantad Road, T. Tan-Deaw,  
Kaengkhroi, Saraburi 18110  
**Contact** : Tel. (036) 240 100 Ext. 444 E-mail : sompob.pheungsungwan@adityabirla.com

**Report Date** : 09/06/23  
**Analysis Date** : 11-18/05/23  
**Job No.** : S660162/May  
**Sampling Date \*** : 11/05/23  
**Sampling By \*** : TET  
**Type of Sample** : Wastewater

Item	Parameter	Unit	Method <sup>(A)</sup>	Result	Standard	Analysis Date
				2305-WW0295		
				Polishing Pond		
	- alpha-Endosulfan	µg/L		N.D.	Not detected	17-18/05/23
	- cis-Chlordane (alpha)	µg/L		N.D.	Not detected	17-18/05/23
	- Dieldrin	µg/L		N.D.	Not detected	17-18/05/23
	- 4,4-DDE	µg/L		N.D.	Not detected	17-18/05/23
	- 2,4-DDD	µg/L		N.D.	Not detected	17-18/05/23
	- beta-Endosulfan	µg/L		N.D.	Not detected	17-18/05/23
	- Endrin	µg/L		N.D.	Not detected	17-18/05/23
	- 4,4-DDD	µg/L		N.D.	Not detected	17-18/05/23
	- 2,4-DDT	µg/L		N.D.	Not detected	17-18/05/23
	- 4,4-DDT	µg/L		N.D.	Not detected	17-18/05/23
	- Methoxychlor	µg/L		N.D.	Not detected	17-18/05/23
	- Mirex	µg/L		N.D.	Not detected	17-18/05/23
	- Heptachlor Epoxide	µg/L		N.D.	Not detected	17-18/05/23

**Remarks** \* "Test marked "Not TISI Accredited" in this Report are not included in the TISI Accreditation Schedule for our Laboratory"  
: Polishing Pond = 47P 0712500 UTM 1611472  
: N.D. = Not Detectable (Less than 0.10 µg/L)

**Method** (A) SM = Standard Method for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23<sup>rd</sup> Edition, 2017  
(B) คู่มือวิเคราะห์น้ำเสีย พิมพ์ครั้งที่ 3 ของชัย พรหมสวัสดิ์, วิทยาลัยเกษตร วิสุทธรักษ์

**Standard** : Notification of the Royal Irrigation Department No. 18/2018 (B.E. 2561)

Reviewed by

Ms. Wareerut Prachumdaeng  
Chief of Laboratory  
09/06/23



Approved by

Mrs. Pomtip Pethshee  
Laboratory Manager  
09/06/23

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## TEST REPORT

Analysis No. : R23-1416

Received Date: 12/05/23

Customer : Technical Division of Thai Environmental Technic Limited

For Thai Acrylic Fibre Co., Ltd./Acrylic Fiber Production Plant Project (Expansion 3<sup>rd</sup>)

Address : No. 54 Moo 5 Sudbantad Road, T. Tan-Deaw,  
Kaengkhoi, Saraburi 18110

Contact : Tel. (036) 240 100 Ext. 444 E-mail : sompob.pheungsungwan@adityabirla.com

Sample Conditions : 2305-WW0296 = white turbid/slight white and black sediment/smell

2305-WW0297 = white turbid/moderate white and gray sediment/smell

Report Date : 09/06/23

Analysis Date : 11-17/05/23

Job No. : S660162/May

Sampling Date \* : 11/05/23

Sampling By \* : TET

Type of Sample : Wastewater

Item	Parameter	Unit	Method	Result		Analysis Date
				2305-WW0296	2305-WW0297	
				Before entering EQ Tank	After Clarifier	
1	Temperature *	°C	Laboratory and Field, Methods (SM 2550B)	37.8	29.7	11/05/23
2	pH *	-	Electrometric Method (SM 4500 B)	6.75	7.50	11/05/23
3	Conductivity *	µs/cm	Laboratory Method (SM 2510 B)	1,990	2,390	16/05/23
4	TSS	mg/L	Dried at 103-105 °C (SM 2540 D)	26.0	69.9	16/05/23
5	TDS *	mg/L	Dried at 180 °C (SM 2540 C)	1,013	1,006	17/05/23
6	DO *	mg/L	Membrane Electrode (SM 4500 G)	1.53	3.65	11/05/23
7	BOD *	mg/L	5-Days BOD Test, Azide Modification Method (SM 5210 B)	190	38	12-17/05/23
8	COD *	mg/L	Closed Reflux Titrimetric Method (SM 5220 C)	571	335	16/05/23
9	Oil & Grease *	mg/L	Liquid-Liquid, Partition Gravimetric Method (SM 5520 B)	1.6	0.8	17/05/23
10	Cyanide as HCN *	mg/L	Distillation, Colorimetric Method (SM 4500-CN <sup>-</sup> B/E)	0.136	0.480	16/05/23
11	Sulfate *	mg/L	Turbidimetric (SM 4500-SO <sub>4</sub> <sup>2-</sup> E)	501.06	459.26	17/05/23
12	Total Coliform Bacteria *	MPN/100 mL	Multiple-Tube Fermentation Technique (SM 9221 B&C)	< 1.8	2.7 x 10 <sup>3</sup>	12-17/05/23

Remarks \* "Test marked "Not TISI Accredited" in this Report are not included in the TISI Accreditation Schedule for our Laboratory"

: Before entering EQ Tank = 47P 0712453 UTM 1611478  
After Clarifier = 47P 0712403 UTM 1611585

Method : SM = Standard Method for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23<sup>rd</sup> Edition, 2017

Reviewed by

Ms. Wareerut Prachumdaeng  
Chief of Laboratory  
09/06/23



Approved by

Mrs. Pornpip Pethshee  
Laboratory Manager  
09/06/23

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## TEST REPORT

**Analysis No.** : R23-1416

**Report Date** : 09/06/23

**Received Date:** 12/05/23

**Analysis Date** : 11-17/05/23

**Customer** : Technical Division of Thai Environmental Technic Limited

**Job No.** : S660162/May

For Thai Acrylic Fibre Co., Ltd./Acrylic Fiber Production Plant Project (Expansion 3<sup>rd</sup>)

**Sampling Date** : 11/05/23

**Address** : No. 54 Moo 5 Sudbantad Road, T. Tan-Deaw,

**Sampling By** : TET

Kaengkhoi, Saraburi 18110

**Type of Sample** : Wastewater

**Contact** : Tel. (036) 240 100 Ext. 444 E-mail : sompob.pheungsungwan@adityabirla.com

**Sample Conditions** : 2305-WW0298 = clear/slight black sediment

Item	Parameter	Unit	Method	Result	Analysis Date
				2305-WW0298	
				Blowdown of an acrylic fiber factory	
1	Temperature	°C	Laboratory and Field, Methods (SM 2550B)	83.0	11/05/23
2	pH	-	Electrometric Method (SM 4500 B)	8.55	11/05/23
3	TDS	mg/L	Dried at 180 °C (SM 2540 C)	< 20	17/05/23

**Remarks** : Blowdown of an acrylic fiber factory = 47P 0712308 UTM 1611579

**Method** : SM = Standard Method for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23<sup>rd</sup> Edition, 2017

Reviewed by

Ms. Wareerut Prachumdaeng  
Chief of Laboratory  
09/06/23



Approved by

Mrs. Pornpip Pethshee  
Laboratory Manager  
09/06/23

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

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## TEST REPORT

Analysis No. : R23-1739

Report Date : 20/06/23

Received Date: 09/06/23

Analysis Date : 08-16/06/23

Customer : Technical Division of Thai Environmental Technic Limited

Job No. : S660162/June

For Thai Acrylic Fibre Co., Ltd./Acrylic Fiber Production Plant Project (Expansion 3<sup>rd</sup>)

Sampling Date \* : 08/06/23

Address : No. 54 Moo 5 Sudbantad Road, T. Tan-Deaw,

Sampling By \* : TET

Kaengkhohi, Saraburi 18110

Type of Sample : Wastewater

Contact : Tel. (036) 240 100 Ext. 444 E-mail : sompob.pheungsungwan@adityabirla.com

Sample Conditions : 2306-WW0298 = yellow turbid/slight white and black sediment, Flow Rate = 537.50 m<sup>3</sup>/hr.

Item	Parameter	Unit	Method <sup>(A)</sup>	Result	Standard	Analysis Date
				2306-WW0298		
				Polishing Pond		
1	Temperature *	°C	Laboratory and Field, Methods (SM 2550B)	30.8	40	08/06/23
2	pH *	-	Electrometric Method (SM 4500 B)	7.90	6.5-8.5	08/06/23
3	Color (Original pH) *	ADMI	} ADMI Weighted-Ordinate Spectrophotometric Method (SM 2120 F)	11	300	09/06/23
	Color (pH 7) *	ADMI		14	300	09/06/23
4	Conductivity *	µs/cm	Laboratory Method (SM 2510 B)	727	-	13/06/23
5	TSS *	mg/L	Dried at 103-105 °C (SM 2540 D)	3.2	30	13/06/23
6	TDS *	mg/L	Dried at 180 °C (SM 2540 C)	410	1,300	13/06/23
7	DO *	mg/L	Membrane Electrode (SM 4500 G)	4.09	≥2	08/06/23
8	BOD *	mg/L	5-Days BOD Test, Azide Modification Method (SM 5210 B)	2	20	09-14/06/23
9	COD *	mg/L	Closed Reflux Titrimetric Method (SM 5220 C)	32	100	14/06/23
10	Oil & Grease *	mg/L	Liquid-Liquid, Partition Gravimetric Method (SM 5520 B)	0.6	5	14/06/23
11	TKN *	mg/L	Macro-Kjeldahl/Titrimetric Method (SM 4500-N <sub>org</sub> B&4500-NH <sub>3</sub> C)	5.80	35	14/06/23
12	Cyanide as HCN *	mg/L	Distillation, Colorimetric Method (SM 4500-CN <sup>-</sup> B/E)	0.013	0.2	13/06/23
13	Phenols *	mg/L	Distillation, Direct Photometric Method (SM 5530 D)	< 0.001	1	16/06/23
14	Sulfide *	mg/L	ZnS Precipitation, Methylene Blue Colorimetric Method (SM 4500-S <sup>2-</sup> D)	< 0.01	1	09/06/23
15	Sulfate *	mg/L	Turbidimetric (SM 4500-SO <sub>4</sub> <sup>2-</sup> E)	109.09	-	15/06/23
16	Formaldehyde *	mg/L	Distillation, Colorimetric Method <sup>(B)</sup>	< 0.01	1	16/06/23
17	Free Chlorine *	mg/L	DPD Ferrous Titrimetric Method (SM 4500-Cl <sub>2</sub> F)	< 0.01	1	09/06/23
18	Cr <sup>+3</sup> *	mg/L	Digestion, ICP-OES Method (SM 3030F and 3120B) ; Filtration, Colorimetric Method (SM 3500-Cr B) ; Calculation	< 0.02	0.75	12/06/23
19	Cr <sup>+6</sup> *	mg/L	Filtration, Colorimetric Method (SM 3500-Cr B)	< 0.02	0.25	09/06/23

continue

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## TEST REPORT

Analysis No. : R23-1739

Report Date : 20/06/23

Received Date: 09/06/23

Analysis Date : 08-16/06/23

Customer : Technical Division of Thai Environmental Technic Limited

Job No. : S660162/June

For Thai Acrylic Fibre Co., Ltd./Acrylic Fiber Production Plant Project (Expansion 3<sup>rd</sup>) Sampling Date \* : 08/06/23

Address : No. 54 Moo 5 Sudbantad Road, T. Tan-Deaw,  
Kaengkhroi, Saraburi 18110

Sampling By \* : TET

Type of Sample : Wastewater

Contact : Tel. (036) 240 100 Ext. 444 E-mail : sompob.pheungsungwan@adityabirla.com

Item	Parameter	Unit	Method <sup>(A)</sup>	Result	Standard	Analysis Date
				2306-WW0298		
				Polishing Pond		
20	Cd *	mg/L	Digestion, Electrothermal AAS Method (SM 3030E and 3113B)	< 0.001	0.01	13/06/23
21	Hg *	mg/L	Cold-Vapor AAS Method (SM 3112 B)	< 0.0005	0.005	14/06/23
22	As *	mg/L	Digestion, Continuous Hydride generation/AAS Method (SM 3114 C)	< 0.0005	0.25	15/06/23
23	Se *	mg/L		< 0.0005	0.02	15/06/23
24	Ba	mg/L	Digestion, ICP-OES Method (SM 3030F and 3120B)	0.08	1.0	12/06/23
25	Cu	mg/L	Digestion, ICP-OES Method (SM 3030F and 3120B)	< 0.05	1.0	12/06/23
26	Mn	mg/L	Digestion, ICP-OES Method (SM 3030F and 3120B)	0.03	5.0	12/06/23
27	Ni	mg/L	Digestion, ICP-OES Method (SM 3030F and 3120B)	< 0.02	0.2	12/06/23
28	Pb	mg/L	Digestion, ICP-OES Method (SM 3030F and 3120B)	< 0.04	0.1	12/06/23
29	Zn	mg/L	Digestion, ICP-OES Method (SM 3030F and 3120B)	< 0.04	5.0	12/06/23
30	Total Coliform Bacteria *	MPN/100 mL	Multiple-Tube Fermentation Technique (SM 9221 B&C)	1.1 x 10 <sup>4</sup>	-	09-14/06/23
31	Pesticide *		LLE, GC/ECD (SM 6630 B)			
	- alpha-HCH	µg/L		N.D.	Not detected	13-14/06/23
	- Hexachlorobenzene	µg/L		N.D.	Not detected	13-14/06/23
	- beta-HCH	µg/L		N.D.	Not detected	13-14/06/23
	- gamma-HCH	µg/L		N.D.	Not detected	13-14/06/23
	- delta-HCH	µg/L		N.D.	Not detected	13-14/06/23
	- epsilon-HCH	µg/L		N.D.	Not detected	13-14/06/23
	- Heptachlor	µg/L		N.D.	Not detected	13-14/06/23
	- Aldrin	µg/L		N.D.	Not detected	13-14/06/23
	- Isodrin	µg/L		N.D.	Not detected	13-14/06/23
	- Heptachlor-exo-epoxide (cis-isomer B)	µg/L		N.D.	Not detected	13-14/06/23
	- oxy-Chlordane	µg/L		N.D.	Not detected	13-14/06/23
	- Heptachlor-endo-epoxide (trans-isomer A)	µg/L		N.D.	Not detected	13-14/06/23
	- trans-chlordane (gamma)	µg/L		N.D.	Not detected	13-14/06/23
	- 2,4-DDE	µg/L		N.D.	Not detected	13-14/06/23

continue

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## TEST REPORT

Analysis No. : R23-1739

Report Date : 20/06/23

Received Date: 09/06/23

Analysis Date : 08-16/06/23

Customer : Technical Division of Thai Environmental Technic Limited

Job No. : S660162/June

For Thai Acrylic Fibre Co., Ltd./Acrylic Fiber Production Plant Project (Expansion 3<sup>rd</sup>) Sampling Date \* : 08/06/23

Address : No. 54 Moo 5 Sudbantad Road, T. Tan-Deaw,

Sampling By \* : TET

Kaengkhroi, Saraburi 18110

Type of Sample : Wastewater

Contact : Tel. (036) 240 100 Ext. 444 E-mail : sompob.pheungsungwan@adityabirla.com

Item	Parameter	Unit	Method <sup>(A)</sup>	Result	Standard	Analysis Date
				2306-WW0298		
				Polishing Pond		
	- alpha-Endosulfan	µg/L		N.D.	Not detected	13-14/06/23
	- cis-Chlordane (alpha)	µg/L		N.D.	Not detected	13-14/06/23
	- Dieldrin	µg/L		N.D.	Not detected	13-14/06/23
	- 4,4-DDE	µg/L		N.D.	Not detected	13-14/06/23
	- 2,4-DDD	µg/L		N.D.	Not detected	13-14/06/23
	- beta-Endosulfan	µg/L		N.D.	Not detected	13-14/06/23
	- Endrin	µg/L		N.D.	Not detected	13-14/06/23
	- 4,4-DDD	µg/L		N.D.	Not detected	13-14/06/23
	- 2,4-DDT	µg/L		N.D.	Not detected	13-14/06/23
	- 4,4-DDT	µg/L		N.D.	Not detected	13-14/06/23
	- Methoxychlor	µg/L		N.D.	Not detected	13-14/06/23
	- Mirex	µg/L		N.D.	Not detected	13-14/06/23
	- Heptachlor Epoxide	µg/L		N.D.	Not detected	13-14/06/23

Remarks \* "Test marked "Not TISI Accredited" in this Report are not included in the TISI Accreditation Schedule for our Laboratory"

: Polishing Pond = 47P 0712500 UTM 1611472

: N.D. = Not Detectable (Less than 0.10 µg/L)

Method (A) SM = Standard Method for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23<sup>rd</sup> Edition, 2017

(B) คู่มือวิเคราะห์น้ำเสีย พิมพ์ครั้งที่ 3 ธงชัย พรหมสวัสดิ์, วิทยาลัยเทคนิค วิศวกรรมศาสตร์

Standard : Notification of the Royal Irrigation Department No. 18/2018 (B.E. 2561)

Reviewed by

Ms. Wareerut Prachumdaeng  
Chief of Laboratory  
10/06/23



Approved by

Mrs. Pornip Pethshee  
Laboratory Manager  
10/06/23



## TEST REPORT

Analysis No. : R23-1739

Report Date : 20/06/23

Received Date: 09/06/23

Analysis Date : 08-15/06/23

Customer : Technical Division of Thai Environmental Technic Limited

Job No. : S660162/June

For Thai Acrylic Fibre Co., Ltd./Acrylic Fiber Production Plant Project (Expansion 3<sup>rd</sup>)

Sampling Date \* : 08/06/23

Address : No. 54 Moo 5 Sudbantad Road, T. Tan-Deaw,  
Kaengkhroi, Saraburi 18110

Sampling By \* : TET

Type of Sample : Wastewater

Contact : Tel. (036) 240 100 Ext. 444 E-mail : sompob.pheungsungwan@adityabirla.com

Sample Conditions : 2306-WW0299 = white turbid/slight white and black sediment/covered with oil slick/smell

2306-WW0300 = gray turbid/slight white and black sediment/covered with oil slick

Item	Parameter	Unit	Method	Result		Analysis Date
				2306-WW0299	2306-WW0300	
				Before entering EQ Tank	After Clarifier	
1	Temperature *	°C	Laboratory and Field, Methods (SM 2550B)	35.3	31.3	08/06/23
2	pH *	-	Electrometric Method (SM 4500 B)	7.11	8.00	08/06/23
3	Conductivity *	µs/cm	Laboratory Method (SM 2510 B)	2,280	2,380	13/06/23
4	TSS	mg/L	Dried at 103-105 °C (SM 2540 D)	9.4 *	62.0	13/06/23
5	TDS *	mg/L	Dried at 180 °C (SM 2540 C)	1,204	1,269	13/06/23
6	DO *	mg/L	Membrane Electrode (SM 4500 G)	3.20	4.03	08/06/23
7	BOD *	mg/L	5-Days BOD Test, Azide Modification Method (SM 5210 B)	195	38	09-14/06/23
8	COD *	mg/L	Closed Reflux Titrimetric Method (SM 5220 C)	636	350	14/06/23
9	Oil & Grease *	mg/L	Liquid-Liquid, Partition Gravimetric Method (SM 5520 B)	1.0	0.8	14/06/23
10	Cyanide as HCN *	mg/L	Distillation, Colorimetric Method (SM 4500-CN <sup>-</sup> B/E)	0.905	0.362	13/06/23
11	Sulfate *	mg/L	Turbidimetric (SM 4500-SO <sub>4</sub> <sup>2-</sup> E)	949.58	1,158.05	15/06/23
12	Total Coliform Bacteria *	MPN/100 mL	Multiple-Tube Fermentation Technique (SM 9221 B&C)	7.8	1.7 x 10 <sup>3</sup>	09-14/06/23

Remarks \* "Test marked "Not TISI Accredited" in this Report are not included in the TISI Accreditation Schedule for our Laboratory"

: Before entering EQ Tank = 47P 0712453 UTM 1611478

After Clarifier = 47P 0712403 UTM 1611585

Method : SM = Standard Method for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23<sup>rd</sup> Edition, 2017

Reviewed by

Ms. Wareerut Prachumdaeng  
Chief of Laboratory



Approved by

Mrs. Pornpip Pethshee  
Laboratory Manager

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

**Analysis No.** : R23-1739

**Report Date** : 20/06/23

**Received Date**: 09/06/23

**Analysis Date** : 08-13/06/23

**Customer** : Technical Division of Thai Environmental Technic Limited

**Job No.** : S660162/June

For Thai Acrylic Fibre Co., Ltd./Acrylic Fiber Production Plant Project (Expansion 3<sup>rd</sup>)

**Sampling Date** : 08/06/23

**Address** : No. 54 Moo 5 Sudbantad Road, T. Tan-Deaw,  
Kaengkhroi, Saraburi 18110

**Sampling By** : TET

**Type of Sample** : Wastewater

**Contact** : Tel. (036) 240 100 Ext. 444 E-mail : sompob.pheungsungwan@adityabirla.com

**Sample Conditions** : 2306-WW0301 = clear/slight black sediment/covered with oil slick

Item	Parameter	Unit	Method	Result	Analysis Date
				2306-WW0301	
				Blowdown of an acrylic fiber factory	
1	Temperature	°C	Laboratory and Field, Methods (SM 2550B)	82.9	08/06/23
2	pH	-	Electrometric Method (SM 4500 B)	9.89	08/06/23
3	TDS	mg/L	Dried at 180 °C (SM 2540 C)	57	13/06/23

**Remarks** : Blowdown of an acrylic fiber factory = 47P 0712308 UTM 1611579

**Method** : SM = Standard Method for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23<sup>rd</sup> Edition, 2017

Reviewed by

Ms. Wareerut Prachumdaeng  
Chief of Laboratory  
10/06/23



Approved by

Mrs. Pornpip Pethshee  
Laboratory Manager  
10/06/23

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## TEST REPORT

**Analysis No.** : R23-1739  
**Received Date:** 09/06/23  
**Customer** : Technical Division of Thai Environmental Technic Limited  
For Thai Acrylic Fibre Co., Ltd./Acrylic Fiber Production Plant Project (Expansion 3<sup>rd</sup>)  
**Address** : No. 54 Moo 5 Sudbantad Road, T. Tan-Deaw,  
Kaengkhoi, Saraburi 18110  
**Contact** : Tel. (036) 240 100 Ext. 444 E-mail : sompob.pheungsungwan@adityabirla.com  
**Sample Conditions** : 2306-WW0302 = yellow turbid/slight white and black sediment

**Report Date** : 20/06/23  
**Analysis Date** : 08-15/06/23  
**Job No.** : S660162/June  
**Sampling Date \*** : 08/06/23  
**Sampling By \*** : TET  
**Type of Sample** : Wastewater

Item	Parameter	Unit	Method	Result	Standard	Analysis Date
				2306-WW0302		
				Drain Pipe		
1	pH *	-	Electrometric Method (SM 4500 B)	8.18	6.5-8.5	08/06/23
2	Oil & Grease *	mg/L	Liquid-Liquid, Partition Gravimetric Method (SM 5520 B)	0.6	5	14/06/23
3	NH <sub>3</sub> -N *	mg/L	Distillation/Titrimetric Method (SM 4500-NH <sub>3</sub> C)	3.49	-	14/06/23
4	Cyanide as HCN *	mg/L	Distillation, Colorimetric Method (SM 4500-CN <sup>-</sup> B/E)	0.025	0.2	13/06/23
5	Surfactant (Detergent or ABS) *	mg/L	Anionic Surfactants as MBAS (SM 5540 C)	0.06	-	15/06/23
6	Cr <sup>+3</sup> *	mg/L	Digestion, ICP-OES Method (SM 3030F and 3120B) ; Filtration, Colorimetric Method (SM 3500-Cr B) ; Calculation	< 0.02	0.75	12/06/23
7	Cr <sup>+6</sup> *	mg/L	Filtration, Colorimetric Method (SM 3500-Cr B)	< 0.02	0.25	09/06/23
8	Cd *	mg/L	Digestion, Electrothermal AAS Method (SM 3030E and 3113B)	< 0.001	0.01	13/06/23
9	Hg *	mg/L	Cold-Vapor AAS Method (SM 3112 B)	< 0.0005	0.005	14/06/23
10	As *	mg/L	Digestion, Continuous Hydride generation/AAS Method (SM 3114 C)	0.0005	0.25	15/06/23
11	Se *	mg/L		< 0.0005	0.02	15/06/23
12	Ba	mg/L	Digestion, ICP-OES Method (SM 3030F and 3120B)	0.07	1.0	12/06/23
13	Cu	mg/L	Digestion, ICP-OES Method (SM 3030F and 3120B)	< 0.05	1.0	12/06/23
14	Mn	mg/L	Digestion, ICP-OES Method (SM 3030F and 3120B)	0.03	5.0	12/06/23
15	Ni	mg/L	Digestion, ICP-OES Method (SM 3030F and 3120B)	< 0.02	0.2	12/06/23
16	Pb	mg/L	Digestion, ICP-OES Method (SM 3030F and 3120B)	< 0.04	0.1	12/06/23
17	Zn	mg/L	Digestion, ICP-OES Method (SM 3030F and 3120B)	< 0.04	5.0	12/06/23

**Remarks** \* "Test marked "Not TISI Accredited" in this Report are not included in the TISI Accreditation Schedule for our Laboratory"  
: Drain Pipe = 47P 0711718 UTM 1610773  
**Method** : SM = Standard Method for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23<sup>rd</sup> Edition, 2017  
**Standard** : Notification of the Royal Irrigation Department No. 18/2018 (B.E. 2561)

Reviewed by

Ms. Wareerut Prachumdaeng  
Chief of Laboratory  
12/06/23



Approved by

Mrs. Pornip Pethshee  
Laboratory Manager  
12/06/23

END OF REPORT

- REPORTED RESULTS REFER TO SUBMITTED SAMPLE(S) ONLY
- DO NOT COPY PARTIAL OF THIS ANALYSIS REPORT WITHOUT OFFICIAL APPROVAL



## TEST REPORT

**Analysis No.** : R23-1465 **Report Date** : 31/05/23  
**Received Date** : 17/05/23 **Analysis Date** : 16-22/05/23  
**Customer** : Technical Division of Thai Environmental Technic Limited **Job No.** : S660162/May/1  
For Thai Acrylic Fibre Co., Ltd./Acrylic Fiber Production Plant Project (Expansion 3<sup>rd</sup>) **Sampling Date** : 16/05/23  
**Address** : No. 54 Moo 5 Sudbantad Road, T. Tan-Deaw, **Sampling By** : TET  
Kaengkhoi Saraburi 18110 **Type of Sample** : Surface Water  
**Contact** : Tel. (036) 240-100 Ext. 444 E-mail : Sompob.pheungsungwan@adityabirla.com  
**Sample Conditions** : 2305-WF0402 = yellow turbid/slight white and black sediment, Surface water velocity = 0.06 m./sec  
2305-WF0403 = yellow turbid/slight white and black sediment, Surface water velocity = 0.04 m./sec

Item	Parameter	Unit	Method	Result		Standard	Analysis Date
				2305-WF0402	2305-WF0403		
				SW1	SW2		
1	Temperature	°C	Laboratory and Field, Methods (SM 2550B)	32.8	32.2	35.1 <sup>(1)</sup>	16/05/23
2	pH	-	Electrometric Method (SM 4500 B)	7.48	7.46	5.0-9.0	16/05/23
3	Conductivity	µs/cm	Laboratory Method (SM 2510 B)	431	429	-	19/05/23
4	SS	mg/L	Volumetric, Dried at 103-105 °C (SM 2540 F)	< 2.5	< 2.5	-	18/05/23
5	TDS	mg/L	Dried at 180 °C (SM 2540 C)	198	204	-	19/05/23
6	DO	mg/L	Membrane Electrode (SM 4500 G)	5.80	6.59	≥ 4.0	16/05/23
7	BOD	mg/L	5-Days BOD Test, Azide Modification Method (SM 5210 B)	< 1	< 1	2.0	17-22/05/23
8	Oil & Grease	mg/L	Liquid-Liquid, Partition Gravimetric Method (SM 5520 B)	0.6	0.6	-	19/05/23
9	Nitrate	mg/L	Cadmium Reduction (SM 4500-NO <sub>3</sub> E)	0.57	0.53	-	19/05/23
10	Cyanide	mg/L	Distillation, Colorimetric Method (SM 4500-CN <sup>-</sup> B/E)	< 0.001	< 0.001	0.005	19/05/23
11	Sulfate	mg/L	Turbidimetric (SM 4500-SO <sub>4</sub> <sup>2-</sup> E)	18.70	16.33	-	22/05/23
12	Chloride	mg/L	Argentometric Method (SM 4500-Cl <sup>-</sup> B)	24.7	27.6	-	19/05/23
13	Total Coliform Bacteria	MPN/100 mL	Multiple-Tube Fermentation Technique (SM 9221 B&C)	3.5 x 10 <sup>4</sup>	3.5 x 10 <sup>4</sup>	20,000	17-22/05/23

**Remarks** : Pasak River, Upstream, before the discharge point, 500 m. (SW1) = 47P 0711408 UTM 1611921

Pasak River, The discharge point of project (SW2) = 47P 0711686 UTM 1610768

**Method** : SM = Standard Method for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23<sup>rd</sup> Edition, 2017

**Standard** : Notification of the National Environment Board No. 8 (1994) (B.E. 2537) ; Class 3

- (1) อุณหภูมิ (Temperature) ไม่สูงกว่าอุณหภูมิตามธรรมชาติเกิน 3 องศาเซลเซียส  
(อ้างอิงอุณหภูมิสภาพธรรมชาติ จุดเหนือเขื่อนขึ้นไป 500 เมตร ของแม่น้ำป่าสัก บริเวณเหนือจุดปล่อยน้ำทิ้งระยะ 500 เมตร ตรวจวัดเมื่อวันที่ 16/05/2023 มีค่าเท่ากับ 32.1 °C ดังนั้นมาตรฐานอุณหภูมิคุณภาพน้ำผิวดิน คือ 32.1 °C + 3 °C = 35.1 °C)

Reviewed by

Ms. Wareerut Prachumdaeng

Chief of Laboratory

31/05/23



Approved by

Mrs. Pornpip Pethshee

Laboratory Manager

31/05/23

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- DO NOT COPY PARTIAL OF THIS ANALYSIS REPORT WITHOUT OFFICIAL APPROVAL



## TEST REPORT

Analysis No. : R23-1465

Report Date : 31/05/23

Received Date : 17/05/23

Analysis Date : 16-22/05/23

Customer : Technical Division of Thai Environmental Technic Limited

Job No. : S660162/May/1

For Thai Acrylic Fibre Co., Ltd./Acrylic Fiber Production Plant Project (Expansion 3<sup>rd</sup>)

Sampling Date : 16/05/23

Address : No. 54 Moo 5 Sudbantad Road, T. Tan-Deaw,

Sampling By : TET

Kaengkhoi Saraburi 18110

Type of Sample : Surface Water

Contact : Tel. (036) 240-100 Ext. 444 E-mail : Sompob.pheungsungwan@adityabirla.com

Sample Conditions : 2305-WF0404 = yellow turbid/slight white and black sediment, Surface water velocity = 0.17 m./sec

2305-WF0405 = yellow turbid/slight white and black sediment, Surface water velocity = 0.08 m./sec

Item	Parameter	Unit	Method	Result		Standard	Analysis Date
				2305-WF0404	2305-WF0405		
				SW3	SW4		
1	Temperature	°C	Laboratory and Field, Methods (SM 2550B)	32.8	32.9	35.1 <sup>(1)</sup>	16/05/23
2	pH	-	Electrometric Method (SM 4500 B)	7.59	7.69	5.0-9.0	16/05/23
3	Conductivity	µs/cm	Laboratory Method (SM 2510 B)	435	470	-	19/05/23
4	SS	mg/L	Volumetric, Dried at 103-105 °C (SM 2540 F)	< 2.5	< 2.5	-	18/05/23
5	TDS	mg/L	Dried at 180 °C (SM 2540 C)	198	238	-	19/05/23
6	DO	mg/L	Membrane Electrode (SM 4500 G)	5.95	6.19	≥ 4.0	16/05/23
7	BOD	mg/L	5-Days BOD Test, Azide Modification Method (SM 5210 B)	< 1	< 1	2.0	17-22/05/23
8	Oil & Grease	mg/L	Liquid-Liquid, Partition Gravimetric Method (SM 5520 B)	0.7	0.6	-	19/05/23
9	Nitrate	mg/L	Cadmium Reduction (SM 4500-NO <sub>3</sub> E)	0.28	0.46	-	19/05/23
10	Cyanide	mg/L	Distillation, Colorimetric Method (SM 4500-CN <sup>-</sup> B/E)	< 0.001	< 0.001	0.005	19/05/23
11	Sulfate	mg/L	Turbidimetric (SM 4500-SO <sub>4</sub> <sup>2-</sup> E)	17.60	22.10	-	22/05/23
12	Chloride	mg/L	Argentometric Method (SM 4500-Cl <sup>-</sup> B)	27.2	37.0	-	19/05/23
13	Total Coliform Bacteria	MPN/100 mL	Multiple-Tube Fermentation Technique (SM 9221 B&C)	2.4 x 10 <sup>4</sup>	> 1.6 x 10 <sup>5</sup>	20,000	17-22/05/23

Remarks : Pasak River, Mixing Zone, 500 m. (SW3) = 47P 0711543 UTM 1610592

Pasak River, Mixing Zone, 1,000 m. (SW4) = 47P 0711149 UTM 1610282

Method : SM = Standard Method for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23<sup>rd</sup> Edition, 2017

Standard : Notification of the National Environment Board No. 8 (1994) (B.E. 2537) ; Class 3

(1) อุณหภูมิ (Temperature) ไม่สูงกว่าอุณหภูมิตามธรรมชาติเกิน 3 องศาเซลเซียส

(อ้างอิงอุณหภูมิสภาพธรรมชาติ จุดเหนือน้ำขึ้น ไป 500 เมตร ของแม่น้ำป่าสัก บริเวณเหนือจุดปล่อยน้ำทิ้งระยะ 500 เมตร ตรวจวัดเมื่อวันที่ 16/05/2023

มีค่าเท่ากับ 32.1 °C ดังนั้นมาตรฐานอุณหภูมิคุณภาพน้ำผิวดิน คือ 32.1 °C + 3 °C = 35.1 °C)

Reviewed by

Ms. Wareerut Prachumdaeng

Chief of Laboratory

31/05/23



Approved by

Mrs. Pornpip Pethshee

Laboratory Manager

31/05/23



## TEST REPORT

**Analysis No.** : R23-1465

**Report Date** : 31/05/23

**Received Date** : 17/05/23

**Analysis Date** : 16/05/23

**Customer** : Technical Division of Thai Environmental Technic Limited

**Job No.** : S660162/May/1

For Thai Acrylic Fibre Co., Ltd./Acrylic Fiber Production Plant Project (Expansion 3<sup>rd</sup>)

**Sampling Date** : 16/05/23

**Address** : No. 54 Moo 5 Sudbantad Road, T. Tan-Deaw,

**Sampling By** : TET

Kaengkhoi Saraburi 18110

**Type of Sample** : Surface Water

**Contact** : Tel. (036) 240-100 Ext. 444 E-mail : Sompob.pheungsungwan@adityabirla.com

Item	Sampling Point	Result	Analysis Date
		Temperature (°C)	
1	จุดเหนือน้ำขึ้นไป 500 เมตร Pasak River, Upstream, before the discharge point, 500 m. (SW1)	32.1	16/05/23

**Remarks** : Pasak River, Upstream, before the discharge point, 500 m. (SW1) = 47P 0711406 UTM 1612059

**Method** : Temperature - Laboratory and Field, Methods (SM 2550B)

: SM = Standard Method for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23<sup>rd</sup> Edition, 2017

Reviewed by

Ms. Wareerut Prachumdaeng

Chief of Laboratory

31/05/23



Approved by

Mrs. Pornpip Pethshee

Laboratory Manager

31/05/23



สถานีวิจัยประมงศรีราชา

101/12 หมู่ 9 ต. บางพระ

อ. ศรีราชา จ. ชลบุรี 20110

โทร./โทรสาร. (038) 311379

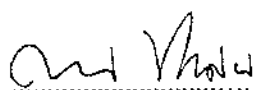
รายงานผลการวิเคราะห์แพลงก์ตอน

ตาราง ผลการวิเคราะห์แพลงก์ตอน (เก็บตัวอย่างเมื่อวันที่ 16 พฤษภาคม 2566)

ดิวิชั่น/ไฟล์	สกุล/กลุ่ม (Genus/Group)	ปริมาณแพลงก์ตอน	
		2305-WF0402	2305-WF0404
แพลงก์ตอนพืช (เซลล์ต่อลิตร)			
Cyanophyta	<i>Chroococcus</i> sp.	2,079	1,155
	<i>Cylindrospermum</i> sp.	3,696	3,003
	<i>Lyngbya</i> sp.	1,848	116
	<i>Microcystis</i> sp.	554	277
	<i>Oscillatoria</i> sp.	116	347
	<i>Raphidiopsis</i> sp.	4,389	4,158
	<i>Spirulina</i> sp.	2,310	1,224
Chlorophyta	<i>Actinastrum</i> sp.	46	23
	<i>Ankistrodesmus</i> sp.	323	92
	<i>Asterococcus</i> sp.	92	370
	<i>Chlorella</i> sp.	46	46
	<i>Closterium</i> sp.	-	46
	<i>Coelastrum</i> sp.	2,218	277
	<i>Cosmarium</i> sp.	139	-
	<i>Dictyosphaerium</i> sp.	-	92
	<i>Eudorina</i> sp.	-	23

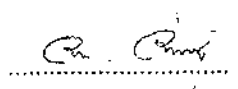
ตาราง ผลการวิเคราะห์เพลงก่ตอน ดอน (เก็บตัวอย่างเมื่อวันที่ 16 พฤษภาคม 2566) (ต่อ)

ดิวิชั่น/ไฟล์	สกุล/กลุ่ม (Genus/Group)	ปริมาณเพลงก่ตอน	
		2305-WF0402	2305-WF0404
สกุลเพลงก่ตอนพืช		28	32
สกุล/กลุ่มเพลงก่ตอนสัตว์		4	4
สกุล/กลุ่มเพลงก่ตอนรวม		32	36
ปริมาณเพลงก่ตอนพืช		27,534	25,039
ปริมาณเพลงก่ตอนสัตว์		115	115
ปริมาณเพลงก่ตอนรวม		27,649	25,154
ดัชนีความหลากหลายของเพลงก่ตอนพืช		2.5416	2.2953
ดัชนีความหลากหลายของเพลงก่ตอนสัตว์		1.3322	1.3322
ดัชนีความสม่ำเสมอเพลงก่ตอนพืช		0.7627	0.6628
ดัชนีความสม่ำเสมอเพลงก่ตอนสัตว์		0.9610	0.9610



(นางสาวกนกวรรณ ขาวค่อน)

ผู้วิเคราะห์



(นายอลงกต อินทรชาติ)

หัวหน้าสถานีวิจัยประมงสัตว์น้ำ



สถานีวิจัยประมงศรีราชา

101/12 หมู่ 9 ต. บางพระ

อ. ศรีราชา จ. ชลบุรี 20110

โทร./โทรสาร. (038) 311379

รายงานผลการวิเคราะห์สัตว์หน้าดิน

ตาราง ผลการวิเคราะห์สัตว์หน้าดิน (เก็บตัวอย่างเมื่อวันที่ 16 พฤษภาคม 2566)

ไฟล์	สกุล  (Genus)	ปริมาณสัตว์หน้าดิน	
		2305-SS0023	2305-SS0025
สัตว์หน้าดิน (ตัวต่อตารางเมตร)			
สกุลสัตว์หน้าดิน		-	-
ปริมาณสัตว์หน้าดิน		-	-
ค่าดัชนีความหลากหลายของสัตว์หน้าดิน		-	-

สมชาย ภัณฑะวงศ์

(นายอรรถวุฒิ กันทะวงศ์)

ผู้วิเคราะห์

Dr. Ching

(นายอลงกต อินทชาติ)

หัวหน้าสถานีวิจัยประมงศรีราชา



## TEST REPORT

**Analysis No.** : R23-1465/DIW

**Report Date** : 31/05/23

**Received Date**: 22/05/23

**Analysis Date** : 21-26/05/23

**Customer** : Technical Division of Thai Environmental Technic Limited

**Job No.** : S660162/May/1

For Thai Acrylic Fibre Co., Ltd./Acrylic Fiber Production Plant Project (Expansion 3<sup>rd</sup>)

**Sampling Date** : 21/05/23

**Address** : No. 54 Moo 5 Sudbantad Road, T. Tan-Deaw,

**Sampling By** : Mr. Pichet Yudeerum

Kaengkhoi Saraburi 18110

**Registration Number** : ๓-236-๓-8885

**Contact** : Tel. (036) 240-100 Ext. 444 E-mail : Sompob.pheungsungwan@adityabirla.com

**Type of Sample** : Groundwater

**Sample Conditions** : 2305-WG0502 = turbid/moderate black sediment

Item	Parameter	Unit	Method <sup>(A)</sup>	Result	Standard	Analysis Date
				Monitoring Well		
				2305-WG0502		
				Green Area Around the Building of Polymerization Production Area (UW1)		
1	pH	-	Electrometric Method (SM 4500 B)	7.44	6.5-9.2*	21/05/23
2	CN <sup>-</sup>	mg/L	Distillation, Colorimetric Method (SM 4500-CN <sup>-</sup> B/E)	0.007	5.0	23/05/23
3	Cr <sup>+6</sup>	mg/L	Filtration, Colorimetric Method (SM 3500-Cr B)	< 0.02	6.0	23/05/23
4	Pb	mg/L	Digestion, Electrothermal AAS Method (SM 3030E and 3113B)	< 0.001	4.0	23/05/23
5	Cd	mg/L	Digestion, Electrothermal AAS Method (SM 3030E and 3113B)	< 0.001	2.0	26/05/23
6	Hg	mg/L	Cold-Vapor AAS Method (SM 3112 B)	< 0.0005	0.7	25/05/23
7	As	mg/L	Digestion, Continuous Hydride generation/AAS Method (SM 3114 C)	0.0008	0.1	23/05/23
8	Dieldrin	mg/L	LLE, GC/ECD (SM 6630 B)	< 0.00001	0.003	22-23/05/23
9	DDT	mg/L	LLE, GC/ECD (SM 6630 B)	< 0.00001	0.1	22-23/05/23
10	Pentachlorophenol	mg/L	LLE, GC/ECD ( SW846 Method 8151A) <sup>(B)</sup>	< 0.0005	0.2	22-25/05/23

**Remarks** : Green Area Around the Building of Polymerization Production Area (UW1) = 47P 0712103 UTM 1611425

**Method** (A) SM = Standard Method for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23<sup>rd</sup> Edition, 2017

(B) SW 846 = U.S. Environmental Protection Agency TEST METHOD: SW: 846 Manual

**Standard** : Reference to Notification of the Ministry of Industry (2016) (B.E. 2559) Criteria for Contaminated Soil and Groundwater Standards.

\* ในกรณีที่มีการปนเปื้อนของกรดหรือด่างให้เปรียบเทียบผลการวิเคราะห์ค่าพีเอช จากจุดเก็บตัวอย่างบ่อน้ำที่ใช้ในการติดตามตรวจสอบการปนเปื้อนกับผลการวิเคราะห์จากจุดเก็บตัวอย่างบ่อน้ำที่ใช้เป็นบ่อน้ำอ้างอิงบนทิศทางทางไหลของน้ำใต้ดินในพื้นที่ โดยค่าพีเอชที่เปลี่ยนแปลงจะต้องไม่เกินหนึ่งระดับ และไม่อยู่นอกช่วงค่าเกณฑ์อนุโลมสูงสุดของมาตรฐานคุณภาพน้ำบาดาลที่ใช้บริโภค คือ 6.5-9.2

Reviewed by

Ms. Wareerut Prachumdaeng

Chief of Laboratory

๓-236-ก-7201

31/05/23



Approved by

Mrs. Pomtip Pethshee

Laboratory Manager

๓-236-ก-6047

31/05/23

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- REPORTED RESULTS REFER TO SUBMITTED SAMPLE(S) ONLY
- DO NOT COPY PARTIAL OF THIS ANALYSIS REPORT WITHOUT OFFICIAL APPROVAL



## TEST REPORT

**Analysis No.** : R23-1465  
**Received Date** : 22/05/23  
**Customer** : Technical Division of Thai Environmental Technic Limited  
For Thai Acrylic Fibre Co., Ltd./Acrylic Fiber Production Plant Project (Expansion 3<sup>rd</sup>)  
**Address** : No. 54 Moo 5 Sudbantad Road, T. Tan-Deaw,  
Kaengkhoi Saraburi 18110  
**Contact** : Tel. (036) 240-100 Ext. 444 E-mail : Sompob.pheungsungwan@adityabirla.com  
**Sample Conditions** : 2305-WG0502 = turbid/moderate black sediment

**Report Date** : 31/05/23  
**Analysis Date** : 21-26/05/23  
**Job No.** : S660162/May/1  
**Sampling Date** : 21/05/23  
**Sampling By** : TET  
**Type of Sample** : Groundwater

Item	Parameter	Unit	Method <sup>(A)</sup>	Result	Analysis Date
				Monitoring Well	
				2305-WG0502	
				Green Area Around the Building of Polymerization Production Area (UW1)	
1	pH	-	Electrometric Method (SM 4500 B)	7.44	21/05/23
2	TDS	mg/L	Dried at 180 °C (SM 2540 C)	1,204	24/05/23
3	COD	mg/L	Closed Reflux Titrimetric Method (SM 5220 C)	16	23/05/23
4	Total Hardness	mg/L as CaCO <sub>3</sub>	EDTA Titrimetric (SM 2340 C)	95.8	24/05/23
5	NO <sub>3</sub>	mg/L	Cadmium Reduction (SM 4500-NO <sub>3</sub> E)	1.67	25/05/23
6	CN <sup>-</sup>	mg/L	Distillation, Colorimetric Method (SM 4500-CN <sup>-</sup> B/E)	0.007	23/05/23
7	Sulfate	mg/L	Turbidimetric (SM 4500-SO <sub>4</sub> <sup>2-</sup> E)	272.37	25/05/23
8	Chloride	mg/L	Argentometric Method (SM 4500-Cl <sup>-</sup> B)	97.3	23/05/23
9	Fluoride	mg/L	Distillation (4500-B)/ISE (SM 4500-F <sup>-</sup> C)	0.28	24/05/23
10	Cr <sup>+6</sup>	mg/L	Filtration, Colorimetric Method (SM 3500-Cr B)	< 0.02	23/05/23
11	Pb	mg/L	Digestion, Electrothermal AAS Method (SM 3030E and 3113B)	< 0.001	23/05/23
12	Cd	mg/L	Digestion, Electrothermal AAS Method (SM 3030E and 3113B)	< 0.001	26/05/23
13	Hg	mg/L	Cold-Vapor AAS Method (SM 3112 B)	< 0.0005	25/05/23
14	As	mg/L	Digestion, Continuous Hydride generation/AAS Method (SM 3114 C)	0.0008	23/05/23
15	Acrylonitrile	mg/L	Purge and Trap/GC/MS (SM 6200 B)	0.0012	24-25/05/23
16	Dieldrin	mg/L	LLE, GC/ECD (SM 6630 B)	< 0.00001	22-23/05/23
17	DDT	mg/L	LLE, GC/ECD (SM 6630 B)	< 0.00001	22-23/05/23
18	Pentachlorophenol	mg/L	LLE, GC/ECD (SW846 Method 8151A) <sup>(B)</sup>	< 0.0005	22-25/05/23

**Remarks** : Green Area Around the Building of Polymerization Production Area (UW1) = 47P 0712103 UTM 1611425

**Method** (A) SM = Standard Method for the Examination of Water and Wastewater, APHA-AWWA-WEF, 23<sup>rd</sup> Edition, 2017

(B) SW 846 = U.S. Environmental Protection Agency TEST METHOD: SW 846 Manual

Reviewed by

Ms. Wareerut Prachumdaeng  
Chief of Laboratory  
31/05/23



Approved by

Mrs. Pornpip Pethshee  
Laboratory Manager  
31/05/23

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Page 2 of 8

## TEST REPORT

**Analysis No.** : R23-1465/DIW  
**Received Date** : 22/05/23  
**Customer** : Technical Division of Thai Environmental Technic Limited  
For Thai Acrylic Fibre Co., Ltd./Acrylic Fiber Production Plant Project (Expansion 3<sup>rd</sup>)  
**Address** : No. 54 Moo 5 Sudbantad Road, T. Tan-Deaw,  
Kaengkhoi Saraburi 18110  
**Contact** : Tel. (036) 240-100 Ext. 444 E-mail : Sompob.pheungsungwan@adityabirla.com  
**Sample Conditions** : 2305-WG0503 = turbid/moderate black sediment

**Report Date** : 31/05/23  
**Analysis Date** : 21-26/05/23  
**Job No.** : S660162/May/1  
**Sampling Date** : 21/05/23  
**Sampling By** : Mr. Pichet Yudeerum  
**Registration Number** : จ-236-จ-8885  
**Type of Sample** : Groundwater

Item	Parameter	Unit	Method <sup>(A)</sup>	Result	Standard	Analysis Date
				Monitoring Well		
				2305-WG0503		
				Green Area Near the Warehouse Building (UW2)		
1	pH	-	Electrometric Method (SM 4500 B)	7.23	6.5-9.2*	21/05/23
2	CN <sup>-</sup>	mg/L	Distillation, Colorimetric Method (SM 4500-CN <sup>-</sup> B/E)	0.001	5.0	23/05/23
3	Cr <sup>+6</sup>	mg/L	Filtration, Colorimetric Method (SM 3500-Cr B)	< 0.02	6.0	23/05/23
4	Pb	mg/L	Digestion, Electrothermal AAS Method (SM 3030E and 3113B)	0.007	4.0	23/05/23
5	Cd	mg/L	Digestion, Electrothermal AAS Method (SM 3030E and 3113B)	< 0.001	2.0	26/05/23
6	Hg	mg/L	Cold-Vapor AAS Method (SM 3112 B)	< 0.0005	0.7	25/05/23
7	As	mg/L	Digestion, Continuous Hydride generation/AAS Method (SM 3114 C)	0.0021	0.1	23/05/23
8	Dieldrin	mg/L	LLE, GC/ECD (SM 6630 B)	< 0.00001	0.003	22-23/05/23
9	DDT	mg/L	LLE, GC/ECD (SM 6630 B)	< 0.00001	0.1	22-23/05/23
10	Pentachlorophenol	mg/L	LLE, GC/ECD ( SW846 Method 8151A) <sup>(B)</sup>	< 0.0005	0.2	22-25/05/23

**Remarks** : Green Area Near the Warehouse Building (UW2) = 47P 0712159 UTM 1611223  
**Method** (A) SM = Standard Method for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23<sup>rd</sup> Edition, 2017  
(B) SW 846 = U.S. Environmental Protection Agency TEST METHOD: SW: 846 Manual  
**Standard** : Reference to Notification of the Ministry of Industry (2016) (B.E. 2559) Criteria for Contaminated Soil and Groundwater Standards.  
\* ในกรณีที่มีการปนเปื้อนของกรดหรือด่างให้เปรียบเทียบผลการวิเคราะห์ค่าพีเอช จากจุดเก็บตัวอย่างน้ำที่ใช้ในการติดตามตรวจสอบการปนเปื้อนกับผลการวิเคราะห์จากจุดเก็บตัวอย่างบ่อน้ำที่ใช้เป็นบ่ออ้างอิงบนทิศทางการไหลของน้ำใต้ดินในพื้นที่ โดยค่าพีเอชที่เปลี่ยนแปลงจะต้องไม่เกินหนึ่งระดับ และไม่อยู่นอกช่วงค่าเกณฑ์อนุโมเลกุลสูงสุดของมาตรฐานคุณภาพน้ำบาดาลที่ใช้นิยามคือ 6.5-9.2

Reviewed by

Ms. Wareerut Prachumdaeng  
Chief of Laboratory  
จ-236-จ-7201  
31/05/23



Approved by

Mrs. Pomtip Pethshee  
Laboratory Manager  
จ-236-จ-6047  
31/05/23

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## TEST REPORT

**Analysis No.** : R23-1465  
**Received Date** : 22/05/23  
**Customer** : Technical Division of Thai Environmental Technic Limited  
For Thai Acrylic Fibre Co., Ltd./Acrylic Fiber Production Plant Project (Expansion 3<sup>rd</sup>)  
**Address** : No. 54 Moo 5 Sudbantad Road, T. Tan-Deaw,  
Kaengkhoi Saraburi 18110  
**Contact** : Tel. (036) 240-100 Ext. 444 E-mail : Sompob.pheungsungwan@adityabirla.com  
**Sample Conditions** : 2305-WG0503 = turbid/moderate black sediment

**Report Date** : 31/05/23  
**Analysis Date** : 21-26/05/23  
**Job No.** : S660162/May/1  
**Sampling Date** : 21/05/23  
**Sampling By** : TET  
**Type of Sample** : Groundwater

Item	Parameter	Unit	Method <sup>(A)</sup>	Result	Analysis Date
				Monitoring Well	
				2305-WG0503	
				Green Area Near the Warehouse Building (UW2)	
1	pH	-	Electrometric Method (SM 4500 B)	7.23	21/05/23
2	TDS	mg/L	Dried at 180 °C (SM 2540 C)	800	24/05/23
3	COD	mg/L	Closed Reflux Titrimetric Method (SM 5220 C)	14	23/05/23
4	Total Hardness	mg/L as CaCO <sub>3</sub>	EDTA Titrimetric (SM 2340 C)	84.0	24/05/23
5	NO <sub>3</sub>	mg/L	Cadmium Reduction (SM 4500-NO <sub>3</sub> E)	0.48	25/05/23
6	CN <sup>-</sup>	mg/L	Distillation, Colorimetric Method (SM 4500-CN <sup>-</sup> B/E)	0.001	23/05/23
7	Sulfate	mg/L	Turbidimetric (SM 4500-SO <sub>4</sub> <sup>2-</sup> E)	176.27	25/05/23
8	Chloride	mg/L	Argentometric Method (SM 4500-Cl <sup>-</sup> B)	63.2	23/05/23
9	Fluoride	mg/L	Distillation (4500-B)/ISE (SM 4500-F <sup>-</sup> C)	0.23	24/05/23
10	Cr <sup>+6</sup>	mg/L	Filtration, Colorimetric Method (SM 3500-Cr B)	< 0.02	23/05/23
11	Pb	mg/L	Digestion, Electrothermal AAS Method (SM 3030E and 3113B)	0.007	23/05/23
12	Cd	mg/L	Digestion, Electrothermal AAS Method (SM 3030E and 3113B)	< 0.001	26/05/23
13	Hg	mg/L	Cold-Vapor AAS Method (SM 3112 B)	< 0.0005	25/05/23
14	As	mg/L	Digestion, Continuous Hydride generation/AAS Method (SM 3114 C)	0.0021	23/05/23
15	Acrylonitrile	mg/L	Purge and Trap/GC/MS (SM 6200 B)	0.0039	24-25/05/23
16	Dieldrin	mg/L	LLE, GC/ECD (SM 6630 B)	< 0.00001	22-23/05/23
17	DDT	mg/L	LLE, GC/ECD (SM 6630 B)	< 0.00001	22-23/05/23
18	Pentachlorophenol	mg/L	LLE, GC/ECD ( SW846 Method 8151A) <sup>(B)</sup>	< 0.0005	22-25/05/23

**Remarks** : Green Area Near the Warehouse Building (UW2) = 47P 0712159 UTM 1611223

**Method** (A) SM = Standard Method for the Examination of Water and Wastewater, APHA-AWWA-WEF, 23<sup>rd</sup> Edition, 2017

(B) SW 846 = U.S. Environmental Protection Agency TEST METHOD: SW 846 Manual

Reviewed by

Ms. Wareerut Prachumdaeng  
Chief of Laboratory  
31/05/23



Approved by

Mrs. Pornpip Pethshee  
Laboratory Manager  
21/05/23

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## TEST REPORT

**Analysis No.** : R23-1465/DIW  
**Received Date:** 22/05/23  
**Customer** : Technical Division of Thai Environmental Technic Limited  
For Thai Acrylic Fibre Co., Ltd./Acrylic Fiber Production Plant Project (Expansion 3<sup>rd</sup>)  
**Address** : No. 54 Moo 5 Sudbantad Road, T. Tan-Deaw,  
Kaengkhroi Saraburi 18110  
**Contact** : Tel. (036) 240-100 Ext. 444 E-mail : Sompob.pheungsungwan@adityabirla.com  
**Sample Conditions** : 2305-WG0504 = turbid/moderate black sediment

**Report Date** : 31/05/23  
**Analysis Date** : 21-26/05/23  
**Job No.** : S660162/May/1  
**Sampling Date** : 21/05/23  
**Sampling By** : Mr. Pichet Yudeerum  
**Registration Number** : จ-236-จ-8885  
**Type of Sample** : Groundwater

Item	Parameter	Unit	Method <sup>(A)</sup>	Result	Standard	Analysis Date
				Monitoring Well		
				2305-WG0504		
				Green Area Around the Water Retention Pond 2 (UW3)		
1	pH	-	Electrometric Method (SM 4500 B)	7.06	6.5-9.2*	21/05/23
2	CN <sup>-</sup>	mg/L	Distillation, Colorimetric Method (SM 4500-CN <sup>-</sup> B/E)	< 0.001	5.0	23/05/23
3	Cr <sup>+6</sup>	mg/L	Filtration, Colorimetric Method (SM 3500-Cr B)	< 0.02	6.0	23/05/23
4	Pb	mg/L	Digestion, Electrothermal AAS Method (SM 3030E and 3113B)	< 0.001	4.0	23/05/23
5	Cd	mg/L	Digestion, Electrothermal AAS Method (SM 3030E and 3113B)	< 0.001	2.0	26/05/23
6	Hg	mg/L	Cold-Vapor AAS Method (SM 3112 B)	< 0.0005	0.7	25/05/23
7	As	mg/L	Digestion, Continuous Hydride generation/AAS Method (SM 3114 C)	0.0009	0.1	23/05/23
8	Dieldrin	mg/L	LLE, GC/ECD (SM 6630 B)	< 0.00001	0.003	22-23/05/23
9	DDT	mg/L	LLE, GC/ECD (SM 6630 B)	< 0.00001	0.1	22-23/05/23
10	Pentachlorophenol	mg/L	LLE, GC/ECD ( SW846 Method 8151A) <sup>(B)</sup>	< 0.0005	0.2	22-25/05/23

**Remarks** : Green Area Around the Water Retention Pond 2 (UW3) = 47P 0712448 UTM 1611389  
**Method** (A) SM = Standard Method for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23<sup>rd</sup> Edition, 2017  
(B) SW 846 = U.S. Environmental Protection Agency TEST METHOD: SW: 846 Manual  
**Standard** : Reference to Notification of the Ministry of Industry (2016) (B.E. 2559) Criteria for Contaminated Soil and Groundwater Standards.  
\* ในกรณีที่มีการปนเปื้อนของกรดหรือด่างให้เปรียบเทียบผลการวิเคราะห์ค่าพีเอช จากจุดเก็บตัวอย่างน้ำที่ใช้ในการติดตามตรวจสอบการปนเปื้อนกับผลการวิเคราะห์จากจุดเก็บตัวอย่างบ่อน้ำที่ใช้เป็นบ่ออ้างอิงบนทิศทางการไหลของน้ำใต้ดินในพื้นที่ โดยค่าพีเอชที่เปลี่ยนแปลงจะต้องไม่เกินหนึ่งระดับ และไม่อยู่นอกช่วงค่าเกณฑ์อนุโลมสูงสุดของมาตรฐานคุณภาพน้ำบาดาลที่ใช้บริโภค คือ 6.5-9.2

Reviewed by

Ms. Wareerut Prachumdaeng  
Chief of Laboratory

จ-236-จ-7201  
21/05/23



Approved by

Mrs. Pornpip Pethshee  
Laboratory Manager

จ-236-จ-6047  
31/05/23

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## TEST REPORT

Analysis No. : R23-1465

Report Date : 31/05/23

Received Date : 22/05/23

Analysis Date : 21-26/05/23

Customer : Technical Division of Thai Environmental Technic Limited

Job No. : S660162/May/1

For Thai Acrylic Fibre Co., Ltd./Acrylic Fiber Production Plant Project (Expansion 3<sup>rd</sup>) Sampling Date : 21/05/23

Address : No. 54 Moo 5 Sudbantad Road, T. Tan-Deaw,

Sampling By : TET

Kaengkhoei Saraburi 18110

Type of Sample : Groundwater

Contact : Tel. (036) 240-100 Ext. 444 E-mail : Sompob.pheungsungwan@adityabirla.com

Sample Conditions : 2305-WG0504 = turbid/moderate black sediment

Item	Parameter	Unit	Method <sup>(A)</sup>	Result	Analysis Date
				Monitoring Well	
				2305-WG0504	
				Green Area Around the Water Retention Pond 2 (UW3)	
1	pH	-	Electrometric Method (SM 4500 B)	7.06	21/05/23
2	TDS	mg/L	Dried at 180 °C (SM 2540 C)	892	24/05/23
3	COD	mg/L	Closed Reflux Titrimetric Method (SM 5220 C)	12	23/05/23
4	Total Hardness	mg/L as CaCO <sub>3</sub>	EDTA Titrimetric (SM 2340 C)	317.0	24/05/23
5	NO <sub>3</sub>	mg/L	Cadmium Reduction (SM 4500-NO <sub>3</sub> E)	1.52	25/05/23
6	CN <sup>-</sup>	mg/L	Distillation, Colorimetric Method (SM 4500-CN <sup>-</sup> B/E)	< 0.001	23/05/23
7	Sulfate	mg/L	Turbidimetric (SM 4500-SO <sub>4</sub> <sup>2-</sup> E)	194.19	25/05/23
8	Chloride	mg/L	Argentometric Method (SM 4500-Cl <sup>-</sup> B)	122.9	23/05/23
9	Fluoride	mg/L	Distillation (4500-B)/ISE (SM 4500-F <sup>-</sup> C)	0.18	24/05/23
10	Cr <sup>+6</sup>	mg/L	Filtration, Colorimetric Method (SM 3500-Cr B)	< 0.02	23/05/23
11	Pb	mg/L	Digestion, Electrothermal AAS Method (SM 3030E and 3113B)	< 0.001	23/05/23
12	Cd	mg/L	Digestion, Electrothermal AAS Method (SM 3030E and 3113B)	< 0.001	26/05/23
13	Hg	mg/L	Cold-Vapor AAS Method (SM 3112 B)	< 0.0005	25/05/23
14	As	mg/L	Digestion, Continuous Hydride generation/AAS Method (SM 3114 C)	0.0009	23/05/23
15	Acrylonitrile	mg/L	Purge and Trap/GC/MS (SM 6200 B)	0.0010	24-25/05/23
16	Dieldrin	mg/L	LLE, GC/ECD (SM 6630 B)	< 0.00001	22-23/05/23
17	DDT	mg/L	LLE, GC/ECD (SM 6630 B)	< 0.00001	22-23/05/23
18	Pentachlorophenol	mg/L	LLE, GC/ECD (SW846 Method 8151A) <sup>(B)</sup>	< 0.0005	22-25/05/23

Remarks : Green Area Around the Water Retention Pond 2 (UW3) = 47P 0712448-UTM 1611389

Method (A) SM = Standard Method for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23<sup>rd</sup> Edition, 2017

(B) SW 846 = U.S. Environmental Protection Agency TEST METHOD SW: 846 Manual

Reviewed by

Ms. Wareerut Prachumdaeng

Chief of Laboratory

31/05/23

Approved by

Mrs. Porntip Pethshee

Laboratory Manager

21/05/23

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Page 4 of 8

## TEST REPORT

**Analysis No.** : R23-1465/DIW

**Received Date:** 22/05/23

**Customer** : Technical Division of Thai Environmental Technic Limited

For Thai Acrylic Fibre Co., Ltd./Acrylic Fiber Production Plant Project (Expansion 3<sup>rd</sup>)

**Address** : No. 54 Moo 5 Sudbantad Road, T. Tan-Deaw,  
Kaengkhoi Saraburi 18110

**Contact** : Tel. (036) 240-100 Ext. 444 E-mail : Sompob.pheungsungwan@adityabirla.com

**Sample Conditions** : 2305-WG0505 = turbid/moderate black sediment

**Report Date** : 31/05/23

**Analysis Date** : 21-26/05/23

**Job No.** : S660162/May/1

**Sampling Date** : 21/05/23

**Sampling By** : Mr. Pichet Yudeerum

**Registration Number** : ๖-236-๖-8885

**Type of Sample** : Groundwater

Item	Parameter	Unit	Method <sup>(A)</sup>	Result	Standard	Analysis Date
				Monitoring Well		
				2305-WG0505		
				Green Area (Shared Point With Power Plant) Control and Power Generation Room (UW4)		
1	pH	-	Electrometric Method (SM 4500 B)	7.10	6.5-9.2*	21/05/23
2	CN <sup>-</sup>	mg/L	Distillation, Colorimetric Method (SM 4500-CN <sup>-</sup> B/E)	< 0.001	5.0	23/05/23
3	Cr <sup>+6</sup>	mg/L	Filtration, Colorimetric Method (SM 3500-Cr B)	< 0.02	6.0	23/05/23
4	Pb	mg/L	Digestion, Electrothermal AAS Method (SM 3030E and 3113B)	0.031	4.0	23/05/23
5	Cd	mg/L	Digestion, Electrothermal AAS Method (SM 3030E and 3113B)	< 0.001	2.0	26/05/23
6	Hg	mg/L	Cold-Vapor AAS Method (SM 3112 B)	< 0.0005	0.7	25/05/23
7	As	mg/L	Digestion, Continuous Hydride generation/AAS Method (SM 3114 C)	0.0013	0.1	23/05/23
8	Dieldrin	mg/L	LLE, GC/ECD (SM 6630 B)	< 0.00001	0.003	22-23/05/23
9	DDT	mg/L	LLE, GC/ECD (SM 6630 B)	< 0.00001	0.1	22-23/05/23
10	Pentachlorophenol	mg/L	LLE, GC/ECD ( SW846 Method 8151A) <sup>(B)</sup>	< 0.0005	0.2	22-25/05/23

**Remarks** : Green Area (Shared Point With Power Plant) Control and Power Generation Room (UW4) = 47P 0712278 UTM 1611567

**Method** (A) SM = Standard Method for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23<sup>rd</sup> Edition, 2017

(B) SW 846 = U.S. Environmental Protection Agency TEST METHOD: SW: 846 Manual

**Standard** : Reference to Notification of the Ministry of Industry (2016) (B.E. 2559) Criteria for Contaminated Soil and Groundwater Standards.

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Reviewed by

Ms. Wareerut Prachumdaeng

Chief of Laboratory

๖-236-๖-7201

31/05/23



Approved by

Mrs. Pornpip Pethshee

Laboratory Manager

๖-236-๖-6047

31/05/23

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## TEST REPORT

Analysis No. : R23-1465

Report Date : 31/05/23

Received Date : 22/05/23

Analysis Date : 21-26/05/23

Customer : Technical Division of Thai Environmental Technic Limited

Job No. : S660162/May/1

For Thai Acrylic Fibre Co., Ltd./Acrylic Fiber Production Plant Project (Expansion 3<sup>rd</sup>)

Sampling Date : 21/05/23

Address : No. 54 Moo 5 Sudbantad Road, T. Tan-Deaw,

Sampling By : TET

Kaengkhoh Saraburi 18110

Type of Sample : Groundwater

Contact : Tel. (036) 240-100 Ext. 444 E-mail : Sompob.pheungsungwan@adityabirla.com

Sample Conditions : 2305-WG0505 = turbid/moderate black sediment

Item	Parameter	Unit	Method <sup>(A)</sup>	Result	Analysis Date
				Monitoring Well	
				2305-WG0505	
				Green Area (Shared Point With Power Plant) Control and Power Generation Room (UW4)	
1	pH	-	Electrometric Method (SM 4500 B)	7.10	21/05/23
2	TDS	mg/L	Dried at 180 °C (SM 2540 C)	560	24/05/23
3	COD	mg/L	Closed Reflux Titrimetric Method (SM 5220 C)	14	23/05/23
4	Total Hardness	mg/L as CaCO <sub>3</sub>	EDTA Titrimetric (SM 2340 C)	321.0	24/05/23
5	NO <sub>3</sub>	mg/L	Cadmium Reduction (SM 4500-NO <sub>3</sub> E)	< 0.01	25/05/23
6	CN <sup>-</sup>	mg/L	Distillation, Colorimetric Method (SM 4500-CN <sup>-</sup> B/E)	< 0.001	23/05/23
7	Sulfate	mg/L	Turbidimetric (SM 4500-SO <sub>4</sub> <sup>2-</sup> E)	59.62	25/05/23
8	Chloride	mg/L	Argentometric Method (SM 4500-Cl <sup>-</sup> B)	48.9	23/05/23
9	Fluoride	mg/L	Distillation (4500-B)/ISE (SM 4500-F <sup>-</sup> C)	0.23	24/05/23
10	Cr <sup>+6</sup>	mg/L	Filtration, Colorimetric Method (SM 3500-Cr B)	< 0.02	23/05/23
11	Pb	mg/L	Digestion, Electrothermal AAS Method (SM 3030E and 3113B)	0.031	23/05/23
12	Cd	mg/L	Digestion, Electrothermal AAS Method (SM 3030E and 3113B)	< 0.001	26/05/23
13	Hg	mg/L	Cold-Vapor AAS Method (SM 3112 B)	< 0.0005	25/05/23
14	As	mg/L	Digestion, Continuous Hydride generation/AAS Method (SM 3114 C)	0.0013	23/05/23
15	Acrylonitrile	mg/L	Purge and Trap/GC/MS (SM 6200 B)	0.0031	24-25/05/23
16	Dieldrin	mg/L	LLE, GC/ECD (SM 6630 B)	< 0.00001	22-23/05/23
17	DDT	mg/L	LLE, GC/ECD (SM 6630 B)	< 0.00001	22-23/05/23
18	Pentachlorophenol	mg/L	LLE, GC/ECD ( SW846 Method 8151A) <sup>(B)</sup>	< 0.0005	22-25/05/23

Remarks : Green Area (Shared Point With Power Plant) Control and Power Generation Room (UW4) = 47P 0712278 UTM 1611567

Method (A) SM = Standard Method for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23<sup>rd</sup> Edition, 2017

(B) SW 846 = U.S. Environmental Protection Agency TEST METHOD: SW: 846 Manual

Reviewed by

Ms. Wareerut Prachumdaeng

Chief of Laboratory

31/05/23



Approved by

Mrs. Pornpip Pethshee

Laboratory Manager

31/05/23

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## TEST REPORT

**Analysis No.** : R23-1465/DIW

**Report Date** : 31/05/23

**Received Date** : 18/05/23

**Analysis Date** : 22-23/05/23

**Customer** : Technical Division of Thai Environmental Technic Limited

**Job No.** : S660162/May/1

For Thai Acrylic Fibre Co., Ltd./Acrylic Fiber Production Plant Project (Expansion 3<sup>rd</sup>) **Sampling Date** : 17/05/23

**Address** : No. 54 Moo 5 Sudbantad Road, T. Tan-Deaw,

**Sampling By** : Mr. Pichet Yudeerum

Kaengkhoh Saraburi 18110

**Registration Number** : ๖-236-๖-8885

**Contact** : Tel. (036) 240-100 Ext. 444

E-mail : Sompob.pheungsungwan@adityabirla.com

**Type of Sample** : Soil

Item	Parameter	Unit	Method	Result	Standard	Analysis Date
				2305-SS0026		
				Green Area Around the Building of Polymerization Production Area (UW1)		
1	Hg	mg/kg (wet weight)	Digestion, Cold-Vapor AAS Method (SW-846 Method 7471B)	0.337	610	22/05/23
2	As	mg/kg (wet weight)	Digestion, Hydride generation/AAS Method (SW-846 Method 3050B and 7062)	4.898	27	23/05/23
3	Cd	mg/kg (wet weight)	Digestion/Direct Air-Acetylene Flame Method (SW-846 Method 3050B and 7000B)	< 0.4	810	22/05/23
4	Pb	mg/kg (wet weight)		16.8	750	22/05/23

**Remarks** : Green Area Around the Building of Polymerization Production Area (UW1) = 47P 0712103 UTM 1611425

**Method** : U.S. Environmental Protection Agency TEST METHOD: SW: 846 Manual

**Standard** : Reference to Notification of the Ministry of Industry (2016) (B.E. 2559) Criteria for Contaminated Soil and Groundwater Standards.

Reviewed by

Ms. Wareerut Prachumdaeng  
Chief of Laboratory

๖-236-ก-7201  
31.05.23



Approved by

Mrs. Pornpip Pethshee  
Laboratory Manager

๖-236-ก-6047  
31.05.23

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## TEST REPORT

**Analysis No.** : R23-1465

**Report Date** : 31/05/23

**Received Date** : 18/05/23

**Analysis Date** : 22-24/05/23

**Customer** : Technical Division of Thai Environmental Technic Limited

**Job No.** : S660162/May/1

For Thai Acrylic Fibre Co., Ltd./Acrylic Fiber Production Plant Project (Expansion 3<sup>rd</sup>) **Sampling Date** : 17/05/23

**Address** : No. 54 Moo 5 Sudbantad Road, T. Tan-Deaw,

**Sampling By** : TET

Kaengkhoh Saraburi 18110

**Type of Sample** : Soil

**Contact** : Tel. (036) 240-100 Ext. 444 E-mail : Sompob.pheungsungwan@adityabirla.com

Item	Parameter	Unit	Method	Result	Analysis Date
				2305-SS0026	
				Green Area Around the Building of Polymerization Production Area (UW1)	
1	pH	-	Electrometric Method (SW-846 Method 9045D)	8.08	24/05/23
2	Hg	mg/kg (wet weight)	Digestion, Cold-Vapor AAS Method (SW-846 Method 7471B)	0.337	22/05/23
3	As	mg/kg (wet weight)	Digestion, Hydride generation/AAS Method (SW-846 Method 3050B and 7062)	4.898	23/05/23
4	Cd	mg/kg (wet weight)	Digestion/Direct Air-Acetylene Flame Method (SW-846 Method 3050B and 7000B)	< 0.4	22/05/23
5	Pb	mg/kg (wet weight)		16.8	22/05/23

**Remarks** : Green Area Around the Building of Polymerization Production Area (UW1) = 47P 0712103 UTM 1611425

**Method** : U.S. Environmental Protection Agency TEST METHOD: SW: 846 Manual

Reviewed by

Ms. Wareerut Prachumdaeng

Chief of Laboratory

31/05/23



Approved by

Mrs. Pornpip Pethshee

Laboratory Manager

31/05/23



## TEST REPORT

**Analysis No.** : R23-1465/DIW  
**Received Date** : 18/05/23  
**Customer** : Technical Division of Thai Environmental Technic Limited  
For Thai Acrylic Fibre Co., Ltd./Acrylic Fiber Production Plant Project (Expansion 3<sup>rd</sup>)  
**Address** : No. 54 Moo 5 Sudbantad Road, T. Tan-Deaw,  
Kaengkhroi Saraburi 18110  
**Contact** : Tel. (036) 240-100 Ext. 444 E-mail : Sompob.pheungsungwan@adityabirla.com

**Report Date** : 31/05/23  
**Analysis Date** : 22-23/05/23  
**Job No.** : S660162/May/1  
**Sampling Date** : 17/05/23  
**Sampling By** : Mr. Pichet Yudeerum  
**Registration Number** : ๖-236-๖-8885  
**Type of Sample** : Soil

Item	Parameter	Unit	Method	Result	Standard	Analysis Date
				2305-SS0027		
				Green Area Near the Warehouse Building (UW2)		
1	Hg	mg/kg (wet weight)	Digestion, Cold-Vapor AAS Method (SW-846 Method 7471B)	0.276	610	22/05/23
2	As	mg/kg (wet weight)	Digestion, Hydride generation/AAS Method (SW-846 Method 3050B and 7062)	4.032	27	23/05/23
3	Cd	mg/kg (wet weight)	Digestion/Direct Air-Acetylene Flame Method (SW-846 Method 3050B and 7000B)	< 0.4	810	22/05/23
4	Pb	mg/kg (wet weight)		12.8	750	22/05/23

**Remarks** : Green Area Near the Warehouse Building (UW2) = 47P 0712159 UTM 1611223  
**Method** : U.S. Environmental Protection Agency TEST METHOD: SW: 846 Manual  
**Standard** : Reference to Notification of the Ministry of Industry (2016) (B.E. 2559) Criteria for Contaminated Soil and Groundwater Standards.

Reviewed by

Ms. Wareerut Prachumdaeng  
Chief of Laboratory  
๖-236-๖-7201  
31/05/23



Approved by

Mrs. Porntip Pethshee  
Laboratory Manager  
๖-236-๖-6047  
31/05/23

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## TEST REPORT

**Analysis No.** : R23-1465

**Report Date** : 31/05/23

**Received Date** : 18/05/23

**Analysis Date** : 22-24/05/23

**Customer** : Technical Division of Thai Environmental Technic Limited

**Job No.** : S660162/May/1

For Thai Acrylic Fibre Co., Ltd./Acrylic Fiber Production Plant Project (Expansion 3<sup>rd</sup>) **Sampling Date** : 17/05/23

**Address** : No. 54 Moo 5 Sudbantad Road, T. Tan-Deaw,

**Sampling By** : TET

Kaengkhoh Saraburi 18110

**Type of Sample** : Soil

**Contact** : Tel. (036) 240-100 Ext. 444 E-mail : Sompob.pheungsungwan@adityabirla.com

Item	Parameter	Unit	Method	Result	Analysis Date
				2305-SS0027	
				Green Area Near the Warehouse Building (UW2)	
1	pH	-	Electrometric Method (SW-846 Method 9045D)	8.61	24/05/23
2	Hg	mg/kg (wet weight)	Digestion, Cold-Vapor AAS Method (SW-846 Method 7471B)	0.276	22/05/23
3	As	mg/kg (wet weight)	Digestion, Hydride generation/AAS Method (SW-846 Method 3050B and 7062)	4.032	23/05/23
4	Cd	mg/kg (wet weight)	Digestion/Direct Air-Acetylene Flame Method (SW-846 Method 3050B and 7000B)	< 0.4	22/05/23
5	Pb	mg/kg (wet weight)		12.8	22/05/23

**Remarks** : Green Area Near the Warehouse Building (UW2) = 47P 0712159 UTM 1611223

**Method** : U.S. Environmental Protection Agency TEST METHOD: SW: 846 Manual

Reviewed by

Ms. Wareerut Prachumdaeng

Chief of Laboratory

31.05.23



Approved by

Mrs. Pornpip Pethshee

Laboratory Manager

31.05.23

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## TEST REPORT

**Analysis No.** : R23-1465/DIW

**Report Date** : 31/05/23

**Received Date** : 18/05/23

**Analysis Date** : 22-23/05/23

**Customer** : Technical Division of Thai Environmental Technic Limited

**Job No.** : S660162/May/1

For Thai Acrylic Fibre Co., Ltd./Acrylic Fiber Production Plant Project (Expansion 3<sup>rd</sup>) **Sampling Date** : 17/05/23

**Address** : No. 54 Moo 5 Sudbantad Road, T. Tan-Deaw,

**Sampling By** : Mr. Pichet Yudeerum

Kaengkhoh Saraburi 18110

**Registration Number** : ๖-236-๖-8885

**Contact** : Tel. (036) 240-100 Ext. 444

E-mail : Sompob.pheungsungwan@adityabirla.com

**Type of Sample** : Soil

Item	Parameter	Unit	Method	Result	Standard	Analysis Date
				2305-SS0028		
				Green Area Around the Water Retention Pond 2 (UW3)		
1	Hg	mg/kg (wet weight)	Digestion, Cold-Vapor AAS Method (SW-846 Method 7471B)	0.450	610	22/05/23
2	As	mg/kg (wet weight)	Digestion, Hydride generation/AAS Method (SW-846 Method 3050B and 7062)	7.385	27	23/05/23
3	Cd	mg/kg (wet weight)	Digestion/Direct Air-Acetylene Flame Method (SW-846 Method 3050B and 7000B)	< 0.4	810	22/05/23
4	Pb	mg/kg (wet weight)		132.4	750	22/05/23

**Remarks** : Green Area Around the Water Retention Pond 2 (UW3) = 47P 0712448 UTM 1611389

**Method** : U.S. Environmental Protection Agency TEST METHOD: SW: 846 Manual

**Standard** : Reference to Notification of the Ministry of Industry (2016) (B.E. 2559) Criteria for Contaminated Soil and Groundwater Standards.

Reviewed by

Ms. Wareerut Prachumdaeng  
Chief of Laboratory

๖-236-๖-7201

31/05/23



Approved by

Mrs. Porntip Pethshee  
Laboratory Manager

๖-236-๖-6047

31/05/23

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## TEST REPORT

**Analysis No.** : R23-1465

**Report Date** : 31/05/23

**Received Date** : 18/05/23

**Analysis Date** : 22-24/05/23

**Customer** : Technical Division of Thai Environmental Technic Limited

**Job No.** : S660162/May/1

For Thai Acrylic Fibre Co., Ltd./Acrylic Fiber Production Plant Project (Expansion 3<sup>rd</sup>) **Sampling Date** : 17/05/23

**Address** : No. 54 Moo 5 Sudbantad Road, T. Tan-Deaw,

**Sampling By** : TET

Kaengkhoei Saraburi 18110

**Type of Sample** : Soil

**Contact** : Tel. (036) 240-100 Ext. 444 E-mail : Sompob.pheungsungwan@adityabirla.com

Item	Parameter	Unit	Method	Result	Analysis Date
				2305-SS0028	
				Green Area Around the Water Retention Pond 2 (UW3)	
1	pH	-	Electrometric Method (SW-846 Method 9045D)	8.47	24/05/23
2	Hg	mg/kg (wet weight)	Digestion, Cold-Vapor AAS Method (SW-846 Method 7471B)	0.450	22/05/23
3	As	mg/kg (wet weight)	Digestion, Hydride generation/AAS Method (SW-846 Method 3050B and 7062)	7.385	23/05/23
4	Cd	mg/kg (wet weight)	Digestion/Direct Air-Acetylene Flame Method (SW-846 Method 3050B and 7000B)	< 0.4	22/05/23
5	Pb	mg/kg (wet weight)		132.4	22/05/23

**Remarks** : Green Area Around the Water Retention Pond 2 (UW3) = 47P 0712448 UTM 1611389

**Method** : U.S. Environmental Protection Agency TEST METHOD: SW: 846 Manual

Reviewed by

Ms. Wareerut Prachumdaeng

Chief of Laboratory

31.05.23



Approved by

Mrs. Pornpip Pethshee

Laboratory Manager

31.05.23

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## TEST REPORT

**Analysis No.** : R23-1465/DIW **Report Date** : 31/05/23  
**Received Date** : 18/05/23 **Analysis Date** : 22-23/05/23  
**Customer** : Technical Division of Thai Environmental Technic Limited **Job No.** : S660162/May/1  
For Thai Acrylic Fibre Co., Ltd./Acrylic Fiber Production Plant Project (Expansion 3<sup>rd</sup>) **Sampling Date** : 17/05/23  
**Address** : No. 54 Moo 5 Sudbantad Road, T. Tan-Deaw, **Sampling By** : Mr. Pichet Yudeerum  
Kaengkhoh Saraburi 18110 **Registration Number** : จ-236-จ-8885  
**Contact** : Tel. (036) 240-100 Ext. 444 E-mail : Sompob.pheungsungwan@adityabirla.com **Type of Sample** : Soil

Item	Parameter	Unit	Method	Result	Standard	Analysis Date
				2305-SS0029		
				Green Area (Shared Point With Power Plant) Control and Power Generation Room (UW4)		
1	Hg	mg/kg (wet weight)	Digestion, Cold-Vapor AAS Method (SW-846 Method 7471B)	0.412	610	22/05/23
2	As	mg/kg (wet weight)	Digestion, Hydride generation/AAS Method (SW-846 Method 3050B and 7062)	13.205	27	23/05/23
3	Cd	mg/kg (wet weight)	Digestion/Direct Air-Acetylene Flame Method (SW-846 Method 3050B and 7000B)	< 0.4	810	22/05/23
4	Pb	mg/kg (wet weight)		30.3	750	22/05/23

**Remarks** : Green Area (Shared Point With Power Plant) Control and Power Generation Room (UW4) = 47P 0712278 UTM 1611567  
**Method** : U.S. Environmental Protection Agency TEST METHOD: SW: 846 Manual  
**Standard** : Reference to Notification of the Ministry of Industry (2016) (B.E. 2559) Criteria for Contaminated Soil and Groundwater Standards.

Reviewed by

Ms. Wareerut Prachumdaeng  
Chief of Laboratory

จ-236-ก-7201  
31/05/23



Approved by

Mrs. Pornpip Pethshee  
Laboratory Manager

จ-236-ก-6047  
31/05/23

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## TEST REPORT

**Analysis No.** : R23-1465

**Report Date** : 31/05/23

**Received Date** : 18/05/23

**Analysis Date** : 22-24/05/23

**Customer** : Technical Division of Thai Environmental Technic Limited

**Job No.** : S660162/May/1

For Thai Acrylic Fibre Co., Ltd./Acrylic Fiber Production Plant Project (Expansion 3<sup>rd</sup>) **Sampling Date** : 17/05/23

**Address** : No. 54 Moo 5 Sudbantad Road, T. Tan-Deaw,

**Sampling By** : TET

Kaengkhoei Saraburi 18110

**Type of Sample** : Soil

**Contact** : Tel. (036) 240-100 Ext. 444 E-mail : Sompob.pheungsungwan@adityabirla.com

Item	Parameter	Unit	Method	Result	Analysis Date
				2305-SS0029	
				Green Area (Shared Point With Power Plant) Control and Power Generation Room (UW4)	
1	pH	-	Electrometric Method (SW-846 Method 9045D)	7.99	24/05/23
2	Hg	mg/kg (wet weight)	Digestion, Cold-Vapor AAS Method (SW-846 Method 7471B)	0.412	22/05/23
3	As	mg/kg (wet weight)	Digestion, Hydride generation/AAS Method (SW-846 Method 3050B and 7062)	13.205	23/05/23
4	Cd	mg/kg (wet weight)	Digestion/Direct Air-Acetylene Flame Method (SW-846 Method 3050B and 7000B)	< 0.4	22/05/23
5	Pb	mg/kg (wet weight)			

**Remarks** : Green Area (Shared Point With Power Plant) Control and Power Generation Room (UW4) = 47P 0712278 UTM 1611567

**Method** : U.S. Environmental Protection Agency TEST METHOD: SW: 846 Manual

Reviewed by

Ms. Wareerut Prachumdaeng

Chief of Laboratory

31/05/23



Approved by

Mrs. Pornpip Pethshee

Laboratory Manager

31/05/23

END OF REPORT

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

Analysis No. : R23-0731

Received Date: 10/03/23

Customer : Technical Division of Thai Environmental Technic Limited

For Thai Acrylic Fibre Co., Ltd./Acrylic Fiber Production Plant Project (Expansion 3<sup>rd</sup>)

Address : No. 54 Moo 5 Sudbantad Road, T. Tan-Deaw,  
Kaengkhoi, Saraburi 18110

Contact : Tel. (036) 240 100 Ext. 444 E-mail : sompob.pheungsungwan@adityabirla.com

Report Date : 20/03/23

Analysis Date : 10-14/03/23

Job No. : S660162/Mar/Occ

Sampling By : TET

Type of Sample : Working Area

Sample No.	Sampling point	Parameter	Unit	Sampling Date	Result	Standard <sup>(1)</sup>	Analysis Date
<b>Occupation Health</b>							
2303-AW0255	Polymerization Dept.	Acrylonitrile	ppm	09/03/23	0.841	2	13-14/03/23
2303-AW0256	Dope Making Dept.	Acrylonitrile	ppm	09/03/23	< 0.014	2	13-14/03/23
2303-AW0257	Chemical Loading	Acrylonitrile	ppm	09/03/23	0.192	2	13-14/03/23
2303-AW0258	Employees Exposed to Chemicals - K. Supawadee Chindon	Acrylonitrile	ppm	09/03/23	< 0.014	2	13-14/03/23
2303-AW0259	Textile Dept. at Spinning	Respirable Dust	mg/m <sup>3</sup>	09/03/23	< 0.010	3 <sup>(2)</sup>	10-13/03/23
2303-AW0260	Textile Dept. at Spinneret	Cyanide	mg/m <sup>3</sup>	09/03/23	< 0.02	5 <sup>(2)*</sup>	14/03/23
2303-AW0261	Solvent Recovery Dept.	Cyanide	mg/m <sup>3</sup>	09/03/23	< 0.02	5 <sup>(2)*</sup>	14/03/23

**Remarks** \*

Ceiling

**Method** :

Acrylonitrile - Solid Sorbent Tube, GC/FID (NIOSH 1604, Issue 2 :Aug 1994)

Respirable Dust - Filtering, Gravimetric (NIOSH 0600, Issue 3 :Jan 1998)

Cyanide - Absorbing Solution, Colorimetric (APHA 808)

**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

20/03/23



Approved by

Mrs. Pomtip Pethshee

Laboratory Manager

20/03/23

END OF REPORT

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## TEST REPORT

**Analysis No.** : R23-1510

**Received Date:** 23/05/23

**Customer** : Technical Division of Thai Environmental Technic Limited

For Thai Acrylic Fibre Co., Ltd./Acrylic Fiber Production Plant Project (Expansion 3<sup>rd</sup>)

**Address** : No. 54 Moo 5 Sudbantad Road, T. Tan-Deaw,

Kaengkhoi, Saraburi 18110

**Contact** : Tel. (036) 240 100 Ext. 444 E-mail : sompob.pheungsungwan@adityabirla.com

**Report Date** : 29/05/23

**Analysis Date** : 29/05/23

**Job No.** : S660162/May/1/Occ

**Sampling By** : TET

**Type of Sample:** Working Area

Sample No.	Sampling point	Parameter	Unit	Sampling Date	Result	Standard	Analysis Date
2305-AW1126	<b>Occupational Health</b> Processing area at the Polymerization reaction tank (during maintenance)	Acrylonitrile	ppm	22/05/23	0.722	10	29/05/23

**Method** : Acrylonitrile - Solid Sorbent Tube, GC/FID (NIOSH 1604, Issue 2 :Aug 1994)

**Standard** : Notification of the Department of Labour Protection and Welfare. (2017) (B.E. 2560) (STEL)

Reviewed by

Ms. Wareerut Prachumdaeng

Chief of Laboratory

29/05/23



Approved by

Mrs. Pomtip Pethshee

Laboratory Manager

29/05/23

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

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## TEST REPORT

**Analysis No.** : R23-1723  
**Received Date:** 09/06/23  
**Customer** : Technical Division of Thai Environmental Technic Limited  
For Thai Acrylic Fibre Co., Ltd./Acrylic Fiber Production Plant Project (Expansion 3<sup>rd</sup>)  
**Address** : No. 54 Moo 5 Sudbantad Road, T. Tan-Deaw,  
Kaengkhoi, Saraburi 18110  
**Contact** : Tel. (036) 240 100 Ext. 444 E-mail : sompob.pheungsungwan@adityabirla.com

**Report Date** : 16/06/23  
**Analysis Date** : 09-14/06/23  
**Job No.** : S660162/June/Occ  
**Sampling By** : TET  
**Type of Sample** : Working Area

Sample No.	Sampling point	Parameter	Unit	Sampling Date	Result	Standard <sup>(1)</sup>	Analysis Date
<b>Occupational Health</b>							
2306-AW0280	Polymerization Dept.	Acrylonitrile	ppm	08/06/23	< 0.014	2	13-14/06/23
2306-AW0281	Dope Making Dept.	Acrylonitrile	ppm	08/06/23	< 0.014	2	13-14/06/23
2306-AW0282	Chemical Loading	Acrylonitrile	ppm	08/06/23	< 0.014	2	13-14/06/23
2306-AW0283	Employees Exposed to Chemicals - K. Supawadee Chindon	Acrylonitrile	ppm	08/06/23	0.431	2	13-14/06/23
2306-AW0284	Textile Dept. at Spinning	Respirable Dust	mg/m <sup>3</sup>	08/06/23	< 0.010	3 <sup>(2)</sup>	09-13/06/23
2306-AW0285	Textile Dept. at Spinneret	Cyanide	mg/m <sup>3</sup>	08/06/23	< 0.02	5 <sup>(2)*</sup>	12/06/23
2306-AW0286	Solvent Recovery Dept.	Cyanide	mg/m <sup>3</sup>	08/06/23	< 0.02	5 <sup>(2)*</sup>	12/06/23

**Remarks** \* Ceiling  
**Method** : Acrylonitrile - Solid Sorbent Tube, GC/FID (NIOSH 1604, Issue 2 :Aug 1994)  
Respirable Dust - Filtering, Gravimetric (NIOSH 0600, Issue 3 :Jan 1998)  
Cyanide - Absorbing Solution, Colorimetric (APHA 808)  
**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  
16 / 06 / 23



Approved by

Mrs. Pornpip Pethshee  
Laboratory Manager  
16 / 06 / 23

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

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## TEST REPORT

Customer Name : Thai Acrylic Fibre Co., Ltd. Report No. : 1510/2023/1-3  
Project : Acrylic Fiber Production Plant Project Report Date : May 26, 2023  
(Expansion 3<sup>rd</sup>) Sampling Date : May 17, 2023  
Address : No. 54 Moo 5 Sudbantad Road, T. Tan-Deaw Type of Sample : Sound Level  
Kaengkhoi Saraburi 18110  
Contact : Tel. (036) 240-100 Ext. 444  
Job No. : S660162/May/1/Occ

Item	Sampling Time	Result (dB(A))			
		บริเวณ Compressor		บริเวณ Spinning	
		17/05/23		17/05/23	
		Leq 1 hr.	Lmax	Leq 1 hr.	Lmax
1.	09:00-10:00	88.6	94.7	83.6	91.7
2.	10:00-11:00	89.9	95.1	85.8	87.2
3.	11:00-12:00	89.7	94.9	85.6	86.1
4.	12:00-13:00	90.0	95.0	86.0	88.9
5.	13:00-14:00	90.1	94.9	85.5	86.0
6.	14:00-15:00	90.6	95.1	85.6	86.1
7.	15:00-16:00	89.1	96.9	85.5	87.5
8.	16:00-17:00	88.9	96.1	85.4	88.1
Leq 8 hr		89.7	-	85.4	-
Lmax		-	96.9	-	91.7
Standard		90	140	90	140

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

  
Suphakchaya Yoonim



  
Somchai Piyavorasakul  
General Manager

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## TEST REPORT

Customer Name : Thai Acrylic Fibre Co., Ltd. Report No. : 1510/2023/2-3  
Project : Acrylic Fiber Production Plant Project Report Date : May 26, 2023  
(Expansion 3<sup>rd</sup>) Sampling Date : May 17, 2023  
Address : No. 54 Moo 5 Sudbantad Road, T. Tan-Deaw Type of Sample : Noise Dose  
Kaengkhoi Saraburi 18110  
Contact : Tel. (036) 240-100 Ext. 444  
Job No. : S660162/May/1/Occ

Item	Description	Unit	Result		Standard
			บริเวณ Compressor <sup>(4)</sup>	บริเวณ Spinning <sup>(5)</sup>	
1.	Sampling Date	-	17/05/23	17/05/23	-
2.	TWA	dB(A)	78.0	82.3	85 <sup>(1)</sup>
3.	Lmax	dB(A)	108.7	102.0	115 <sup>(2)</sup>
4.	Dose	%	19.8	53.6	100 <sup>(3)</sup>

Standard : <sup>(1)</sup> Notification of the Department of Labour Protection and Welfare (2018) (B.E. 2561)

<sup>(2)</sup> Ministry of Labour's Regulation (2016) (B.E. 2559)

<sup>(3)</sup> American Conference of Government Industrial Hygienist; ACGIH

Remark : <sup>(4)</sup> คุณกิตติภูมิ กิจมานะ อายุ 24 ปี อายุงาน 1 เดือน

<sup>(5)</sup> คุณกิริติ เงินหล่อ อายุ 43 ปี อายุงาน 12 ปี

*Suphakchaya Y.*

Suphakchaya Yoonim



*Somchai P.*

Somchai Piyavorasakul  
General Manager

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## TEST REPORT

Customer Name : Thai Acrylic Fibre Co., Ltd. Report No. : 1510/2023/3-3  
Project : Acrylic Fiber Production Plant Project Report Date : May 26, 2023  
(Expansion 3<sup>rd</sup>) Sampling Date : May 17, 2023  
Address : No. 54 Moo 5 Sudbantad Road, T. Tan-Deaw Type of Sample : Heat  
Kaengkhoh Saraburi 18110  
Contact : Tel. (036) 240-100 Ext. 444  
Job No. : S660162/May/1/Occ

Item	Description	Sampling Date	Sampling Time	Result (°C)				
				NWB	DB	GT	WBGT	WBGT Average
1.	Polymerization Dept. <sup>(3)</sup> - เดินตรวจเช็คควาล์วเครื่องจักร (100 นาที) - นั่งทำงานเอกสาร (20 นาที)	17/05/23	10.00-12.00	31.0 24.0	34.0 28.0	35.2 28.5	32.3 25.4	31.2
2.	Dope making Dept. <sup>(4)</sup> - เดินตรวจเช็คควาล์วเครื่องจักร (100 นาที) - นั่งทำงานเอกสาร (20 นาที)	17/05/23	10.00-12.00	30.0 24.0	34.0 28.1	35.0 28.8	31.5 25.4	30.5
3.	Textile Dept. Line 2 <sup>(5)</sup> - เดินตรวจเช็คบริเวณเครื่องรีดเส้นใย (100 นาที) - นั่งทำงานเอกสาร (20 นาที)	17/05/23	10.00-12.00	31.0 24.0	34.0 28.0	35.6 28.9	32.4 25.5	31.3
4.	Solvent Recovery Dept. <sup>(6)</sup> - เดินตรวจสอบเครื่องจักร (100 นาที) - นั่งทำงานเอกสาร (20 นาที)	17/05/23	10.00-12.00	32.0 23.8	34.0 27.5	36.3 28.0	33.3 25.1	31.9
Standard <sup>(1)(2)</sup>				-	-	-	-	32.0

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

Remark : (3) คุณปัทมาวดี ไชยสุวรรณ อายุ 31 ปี อายุงาน 8 ปี  
(4) คุณณัฐพล บัวแดง อายุ 23 ปี อายุงาน 1 สัปดาห์  
(5) คุณกิริติ เงินหล่อ อายุ 43 ปี อายุงาน 12 ปี  
(6) คุณธีรเดช คงสมใจ อายุ 26 ปี อายุงาน 1 ปี

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 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 Yoonim



  
Somchai Piyavorasakul  
General Manager

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