

ภาคผนวกที่ 3

ผลการตรวจวัดคุณภาพสิ่งแวดล้อม

คุณภาพอากาศในบรรยากาศ



Ref. No. A048(1)-A048(7)/09/23

Report No. 2309/084

338/12/65

Ambient Air Quality Analysis Report

Project : Asia Pet (Thailand) Limited
Project Location : 61/1 Moo 11, Bangngha-Thakhleng Road,
Kaosamorkorn, Tawung, Lopburi
Client Name/Address : Asia Pet (Thailand) Limited
Sampling by : Rattanakorn Yosruangsak
S.P.S. Consulting Service Co., Ltd.

Sampling Date : 4-11 September 2023
Date Received : 11 September 2023
Date of Analysis : 11-22 September 2023
Date Reported : 25 September 2023

Parameter	Sampling Method	Analytical Method	Project Area								Standard
			September 2023								
			4-5	5-6	6-7	7-8	8-9	9-10	10-11		
Total Suspended Particulate (mg/m ³)	High Volume Air Sampler	Gravimetric Method (U.S. EPA 40 CFR Part 50 Appendix B)	0.023	0.020	0.018	0.026	0.028	0.030	0.029	Less than 0.33 ^[1]	
Sulfur Dioxide (24 hr) (mg/m ³)	Midget Impinger	Pararosaniline Method (ASTM D2914)	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	Less than 0.30 ^[1]	
Sulfur Dioxide (24 hr) (ppm)	Midget Impinger	Pararosaniline Method (ASTM D2914)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	Less than 0.12 ^[1]	
Acetaldehyde (µg/m ³)	Canister	GC/MS Method (U.S. EPA Method TO-15)	55	-	-	-	-	-	-	Less than 860 ^[2]	
1,4-Dioxane (µg/m ³)	Canister	GC/MS Method (U.S. EPA Method TO-15)	80	-	-	-	-	-	-	Less than 860 ^[2]	

Remark:

Standard^[1] = Ambient Air Quality Standards, Notification of the National Environment Board No. 24, B.E. 2547

Standard^[2] = Twenty Four Hour Volatile Organic Compounds (VOCs) in Ambient Air, Notification of the National Environmental Board, B.E. 2552

Reported results refer to submitted samples only.

Do not copy partial of this analysis report without official approval.



----- End of Report -----



BY022/09/66

338/12/65

Nitrogen Dioxide Level Report

Project : Asia Pet (Thailand) Co., Ltd. Sampling Date : 4-11 September 2023
Project Location : 61/1 Moo 11, Bangngha-Thaklong Road Date Reported : 18 September 2023
Tambon Kaosamorkorn, Amphur Tawung, Lopburi
Client Name/Address : Asia Pet (Thailand) Co., Ltd.
Sampling By : S.P.S. Consulting Service Co., Ltd.

Time	Project Area							Standard
	September 2023							
	4-5	5-6	6-7	7-8	8-9	9-10	10-11	
13:00-14:00	0.0158	0.0188	0.0245	0.0162	0.0132	0.0201	0.0256	-
14:00-15:00	0.0179	0.0201	0.0175	0.0170	0.0151	0.0213	0.0201	-
15:00-16:00	0.0178	0.0242	0.0131	0.0199	0.0192	0.0197	0.0192	-
16:00-17:00	0.0160	0.0202	0.0156	0.0166	0.0166	0.0157	0.0175	-
17:00-18:00	0.0202	0.0227	0.0198	0.0192	0.0220	0.0164	0.0189	-
18:00-19:00	0.0258	0.0181	0.0205	0.0232	0.0170	0.0170	0.0167	-
19:00-20:00	0.0212	0.0193	0.0171	0.0174	0.0153	0.0183	0.0138	-
20:00-21:00	0.0174	0.0077	0.0195	0.0188	0.0188	0.0154	0.0151	-
21:00-22:00	0.0161	0.0173	0.0181	0.0163	0.0158	0.0198	0.0172	-
22:00-23:00	0.0150	0.0159	0.0156	0.0156	0.0164	0.0161	0.0168	-
23:00-00:00	0.0138	0.0132	0.0126	0.0160	0.0135	0.0146	0.0144	-
00:00-01:00	0.0112	0.0116	0.0104	0.0137	0.0134	0.0125	0.0156	-
01:00-02:00	0.0095	0.0097	0.0100	0.0092	0.0109	0.0098	0.0135	-
02:00-03:00	0.0121	0.0126	0.0136	0.0106	0.0113	0.0109	0.0107	-
03:00-04:00	0.0128	0.0145	0.0150	0.0104	0.0146	0.0130	0.0121	-
04:00-05:00	0.0155	0.0178	0.0134	0.0140	0.0130	0.0163	0.0114	-
05:00-06:00	0.0180	0.0160	0.0160	0.0162	0.0158	0.0185	0.0148	-
06:00-07:00	0.0200	0.0181	0.0133	0.0187	0.0188	0.0156	0.0168	-
07:00-08:00	0.0170	0.0186	0.0161	0.0216	0.0203	0.0130	0.0141	-
08:00-09:00	0.0143	0.0212	0.0219	0.0175	0.0184	0.0168	0.0189	-
09:00-10:00	0.0176	0.0179	0.0174	0.0196	0.0155	0.0208	0.0153	-
10:00-11:00	0.0158	0.0167	0.0157	0.0187	0.0191	0.0176	0.0188	-
11:00-12:00	0.0175	0.0146	0.0164	0.0152	0.0219	0.0200	0.0175	-
12:00-13:00	0.0140	0.0180	0.0195	0.0176	0.0249	0.0239	0.0173	-
Max 1 hr [ppm]	0.0258	0.0242	0.0245	0.0232	0.0249	0.0239	0.0256	Less Than 0.17 [ppm]
Average 24 hr [ppm]	0.0163	0.0169	0.0164	0.0166	0.0167	0.0168	0.0163	-
Analyzer Data	Analyzer No. : NO _x -B17				Brand : API			-
	Model : 200A				Serial No. : 1977			

Remark:

Standard = Ambient Air Quality Standards (Nitrogen Dioxide), Notification of the National Environment Board, No. 33, B.E. 2552 (2009)
Sampling Method = Chemiluminescence Method

Reported results refer to measurement time only.

Do not copy partial of this measurement report without official approval.





Ref. No. A181/07/23

Report No. 2307/256

338/12/65

Ambient Air Quality Analysis Report

Company : Asia Pet (Thailand) Limited Sampling Date : 13-14 July 2023
Project Location : 61/1 Moo 11, Bangngha-Thakhlung Road, Kaosamorkorn, Date Received : 14 July 2023
Tawung, Lopburi Date of Analysis : 14-26 July 2023
Client Name/Address : Mr. D.N. Pargain Date Reported : 31 July 2023
Sampling by : Peerapong Suphansri
S.P.S. Consulting Service Co., Ltd.

Parameter	Sampling Method	Analytical Method	Project Area	Standard
Acetaldehyde ($\mu\text{g}/\text{m}^3$)	Canister	U.S. EPA Method TO-15	35	Less than 860
1,4-Dioxane ($\mu\text{g}/\text{m}^3$)	Canister	U.S. EPA Method TO-15	64	Less than 860

Remark:

Standard = Twenty Four Hour Volatile Organic Compounds (VOCs) in Ambient Air, Notification of the National Environmental Board, B.E. 2552

Reported results refer to submitted samples only.

Do not copy partial of this analysis report without official approval.



----- End of Report -----



Ref. No. A060/08/23

Report No. 2308/186

338/12/65

Ambient Air Quality Analysis Report

Company : Asia Pet (Thailand) Limited
Project Location : 61/1 Moo 11, Bangngha-Thakhlong Road, Kaosamorkorn,
Tawung, Lopburi
Client Name/Address : Mr. D.N. Pargain
Sampling by : Priraphong Suphannasri
S.P.S. Consulting Service Co., Ltd.

Sampling Date : 10-11 August 2023
Date Received : 11 August 2023
Date of Analysis : 11-25 August 2023
Date Reported : 28 August 2023

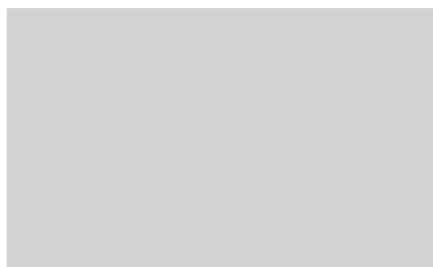
Parameter	Sampling Method	Analytical Method	Project Area	Standard
Acetaldehyde ($\mu\text{g}/\text{m}^3$)	Canister	U.S. EPA Method TO-15	36	Less than 860
1,4-Dioxane ($\mu\text{g}/\text{m}^3$)	Canister	U.S. EPA Method TO-15	70	Less than 860

Remark:

Standard = Twenty Four Hour Volatile Organic Compounds (VOCs) in Ambient Air, Notification of the National Environmental Board, B.E. 2552

Reported results refer to submitted samples only.

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----- End of Report -----



Ref. No. A198/10/23

Report No. 2310/244

338/12/65

Ambient Air Quality Analysis Report

Company : Asia Pet (Thailand) Limited
Project Location : 61/1 Moo 11, Bangngha-Thakhlong Road, Kaosamorkorn,
Tawung, Lopburi
Client Name/Address : Mr. D.N. Pargain
Sampling by : Priraphong Suphannasri
S.P.S. Consulting Service Co., Ltd.

Sampling Date : 11-12 October 2023
Date Received : 12 October 2023
Date of Analysis : 12-27 October 2023
Date Reported : 30 October 2023

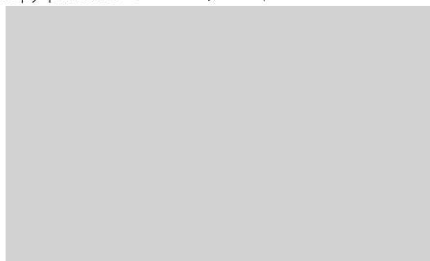
Parameter	Sampling Method	Analytical Method	Project Area	Standard
Acetaldehyde ($\mu\text{g}/\text{m}^3$)	Canister	U.S. EPA Method TO-15	30	Less than 860
1,4-Dioxane ($\mu\text{g}/\text{m}^3$)	Canister	U.S. EPA Method TO-15	28	Less than 860

Remark:

Standard = Twenty Four Hour Volatile Organic Compounds (VOCs) in Ambient Air, Notification of the National Environmental Board, B.E. 2552

Reported results refer to submitted samples only.

Do not copy partial of this analysis report without official approval.



----- End of Report -----



Ref. No. A360/11/23

Report No. 2311/394

338/12/65

Ambient Air Quality Analysis Report

Company : Asia Pet (Thailand) Limited Sampling Date : 20-21 November 2023
Project Location : 61/1 Moo 11, Bangngha-Thakhlong Road, Kaosamorkorn, Tawung, Lopburi Date Received : 21 November 2023
Date of Analysis : 21 November-4 December 2023
Client Name/Address : Mr. D.N. Pargain Date Reported : 6 December 2023
Sampling by : Priraphong Suphannasri
S.P.S. Consulting Service Co., Ltd.

Parameter	Sampling Method	Analytical Method	Project Area	Standard
Acetaldehyde ($\mu\text{g}/\text{m}^3$)	Canister	U.S. EPA Method TO-15	33	Less than 860
1,4-Dioxane ($\mu\text{g}/\text{m}^3$)	Canister	U.S. EPA Method TO-15	66	Less than 860

Remark:

Standard = Twenty Four Hour Volatile Organic Compounds (VOCs) in Ambient Air, Notification of the National Environmental Board, B.E. 2552

Reported results refer to submitted samples only.

Do not copy partial of this analysis report without official approval.



----- End of Report -----



Ref. No. A090/12/23

Report No. 2312/210

338/12/65

Ambient Air Quality Analysis Report

Project : Asia Pet (Thailand) Limited
Project Location : 61/1 Moo 11, Bangngha-Thakhlong Road, Kaosamorkorn, Tawung, Lopburi
Client Name/Address : Asia Pet (Thailand) Limited
Sampling by : Rattanakorn Yosruangsak
S.P.S. Consulting Service Co., Ltd.

Sampling Date : 12-13 December 2023
Date Received : 14 December 2023
Date of Analysis : 14-26 December 2023
Date Reported : 27 December 2023

Parameter	Sampling Method	Analytical Method	Project Area	Standard
Acetaldehyde ($\mu\text{g}/\text{m}^3$)	Canister	U.S. EPA Method TO-15	20	Less than 860
1,4-Dioxane ($\mu\text{g}/\text{m}^3$)	Canister	U.S. EPA Method TO-15	33	Less than 860

Remark:

Standard = Twenty Four Hour Volatile Organic Compounds (VOCs) in Ambient Air, Notification of the National Environmental Board, B.E. 2552

Reported results refer to submitted samples only.

Do not copy partial of this analysis report without official approval.



----- End of Report -----



Ref. No. A049(1)-A049(7)/09/23

Report No. 2309/084

338/12/65

Ambient Air Quality Analysis Report

Project : Asia Pet (Thailand) Limited
Project Location : 61/1 Moo 11, Bangnga-Thakhleng Road,
Kaosamorkorn, Tawung, Lopburi
Client Name/Address : Asia Pet (Thailand) Limited
Sampling by : Rattanakorn Yosruangsak
S.P.S. Consulting Service Co., Ltd.

Sampling Date : 4-11 September 2023
Date Received : 11 September 2023
Date of Analysis : 11-22 September 2023
Date Reported : 25 September 2023

Parameter	Sampling Method	Analytical Method	Khao Samo Khon Public Health Center								Standard
			September 2023								
			4-5	5-6	6-7	7-8	8-9	9-10	10-11		
Total Suspended Particulate (mg/m ³)	High Volume Air Sampler	Gravimetric Method (U.S. EPA 40 CFR Part 50 Appendix B)	0.020	0.022	0.025	0.023	0.019	0.022	0.018	Less than 0.33 ^[1]	
Sulfur Dioxide (24 hr) (mg/m ³)	Midget Impinger	Pararosaniline Method (ASTM D2914)	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	Less than 0.30 ^[1]	
Sulfur Dioxide (24 hr) (ppm)	Midget Impinger	Pararosaniline Method (ASTM D2914)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	Less than 0.12 ^[1]	
Acetaldehyde (µg/m ³)	Canister	GC/MS Method (U.S. EPA Method TO-15)	4.8	-	-	-	-	-	-	Less than 860 ^[2]	
1,4-Dioxane (µg/m ³)	Canister	GC/MS Method (U.S. EPA Method TO-15)	<0.20	-	-	-	-	-	-	Less than 860 ^[2]	

Remark:

Standard^[1] = Ambient Air Quality Standards, Notification of the National Environment Board No. 24, B.E. 2547

Standard^[2] = Twenty Four Hour Volatile Organic Compounds (VOCs) in Ambient Air, Notification of the National Environmental Board, B.E. 2552

Reported results refer to submitted samples only.

Do not copy partial of this analysis report without official approval.



----- End of Report -----



BY022/09/66

338/12/65

Nitrogen Dioxide Level Report

Project : Asia Pet (Thailand) Co., Ltd. Sampling Date : 4-11 September 2023
Project Location : 61/1 Moo 11, Bangngha-Thaklong Road Date Reported : 18 September 2023
Tambon Kaosamorkorn, Amphur Tawung, Lopburi
Client Name/Address : Asia Pet (Thailand) Co., Ltd.
Sampling By : S.P.S. Consulting Service Co., Ltd.

Time	Khao Samo Khon Public Health Center							Standard
	September 2023							
	4-5	5-6	6-7	7-8	8-9	9-10	10-11	
12:00-13:00	0.0219	0.0154	0.0137	0.0248	0.0148	0.0202	0.0162	-
13:00-14:00	0.0237	0.0187	0.0145	0.0205	0.0161	0.0169	0.0177	-
14:00-15:00	0.0199	0.0210	0.0185	0.0160	0.0185	0.0187	0.0152	-
15:00-16:00	0.0146	0.0240	0.0178	0.0191	0.0150	0.0193	0.0168	-
16:00-17:00	0.0192	0.0170	0.0233	0.0159	0.0121	0.0164	0.0236	-
17:00-18:00	0.0177	0.0161	0.0165	0.0162	0.0164	0.0132	0.0214	-
18:00-19:00	0.0170	0.0181	0.0194	0.0143	0.0204	0.0144	0.0178	-
19:00-20:00	0.0163	0.0160	0.0157	0.0136	0.0181	0.0190	0.0167	-
20:00-21:00	0.0147	0.0170	0.0154	0.0154	0.0145	0.0161	0.0193	-
21:00-22:00	0.0170	0.0159	0.0166	0.0175	0.0175	0.0157	0.0154	-
22:00-23:00	0.0163	0.0149	0.0150	0.0168	0.0161	0.0141	0.0167	-
23:00-00:00	0.0148	0.0132	0.0143	0.0148	0.0136	0.0130	0.0156	-
00:00-01:00	0.0118	0.0124	0.0115	0.0151	0.0105	0.0110	0.0133	-
01:00-02:00	0.0101	0.0106	0.0109	0.0119	0.0096	0.0096	0.0095	-
02:00-03:00	0.0120	0.0119	0.0133	0.0107	0.0119	0.0102	0.0115	-
03:00-04:00	0.0142	0.0123	0.0153	0.0135	0.0125	0.0148	0.0125	-
04:00-05:00	0.0158	0.0159	0.0146	0.0128	0.0146	0.0167	0.0148	-
05:00-06:00	0.0164	0.0148	0.0159	0.0150	0.0161	0.0156	0.0167	-
06:00-07:00	0.0182	0.0160	0.0179	0.0147	0.0177	0.0175	0.0194	-
07:00-08:00	0.0193	0.0196	0.0144	0.0158	0.0162	0.0144	0.0162	-
08:00-09:00	0.0179	0.0176	0.0168	0.0123	0.0191	0.0168	0.0143	-
09:00-10:00	0.0147	0.0161	0.0158	0.0154	0.0173	0.0196	0.0167	-
10:00-11:00	0.0159	0.0183	0.0178	0.0203	0.0201	0.0243	0.0150	-
11:00-12:00	0.0122	0.0156	0.0197	0.0195	0.0245	0.0163	0.0140	-
Max 1 hr [ppm]	0.0237	0.0240	0.0233	0.0248	0.0245	0.0243	0.0236	Less Than 0.17 [ppm]
Average 24 hr [ppm]	0.0163	0.0162	0.0160	0.0159	0.0160	0.0160	0.0161	-
Analyzer Data	Analyzer No. : NO _x -B11				Brand : API			-
	Model : 200E				Serial No. : 4467			

Remark:

Standard = Ambient Air Quality Standards (Nitrogen Dioxide), Notification of the National Environment Board, No. 33, B.E. 2552 (2009)
Sampling Method = Chemiluminescence Method

Reported results refer to measurement time only.

Do not copy partial of this measurement report without official approval.





Ref. No. A182/07/23

Report No. 2307/256

338/12/65

Ambient Air Quality Analysis Report

Company : Asia Pet (Thailand) Limited
Project Location : 61/1 Moo 11, Bangngha-Thakhleng Road, Kaosamorkorn,
Tawung, Lopburi
Client Name/Address : Mr. D.N. Pargain
Sampling by : Peerapong Suphansri
S.P.S. Consulting Service Co., Ltd.

Sampling Date : 13-14 July 2023
Date Received : 14 July 2023
Date of Analysis : 14-26 July 2023
Date Reported : 31 July 2023

Parameter	Sampling Method	Analytical Method	Khao Samo Khon Public Health Center	Standard
Acetaldehyde ($\mu\text{g}/\text{m}^3$)	Canister	U.S. EPA Method TO-15	6.1	Less than 860
1,4-Dioxane ($\mu\text{g}/\text{m}^3$)	Canister	U.S. EPA Method TO-15	<0.20	Less than 860

Remark:

Standard = Twenty Four Hour Volatile Organic Compounds (VOCs) in Ambient Air, Notification of the National Environmental Board, B.E. 2552

Reported results refer to submitted samples only.

Do not copy partial of this analysis report without official approval.



----- End of Report -----



Ref. No. A061/08/23

Report No. 2308/186

338/12/65

Ambient Air Quality Analysis Report

Company : Asia Pet (Thailand) Limited
Project Location : 61/1 Moo 11, Bangngha-Thakhlong Road, Kaosamorkorn,
Tawung, Lopburi
Client Name/Address : Mr. D.N. Pargain
Sampling by : Priraphong Suphannasri
S.P.S. Consulting Service Co., Ltd.

Sampling Date : 10-11 August 2023
Date Received : 11 August 2023
Date of Analysis : 11-25 August 2023
Date Reported : 28 August 2023

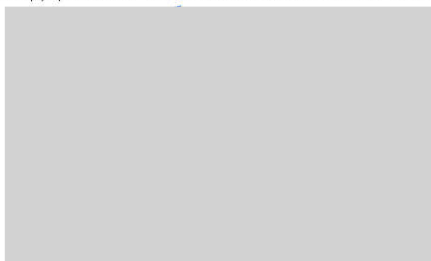
Parameter	Sampling Method	Analytical Method	Khao Samo Khon Public Health Center	Standard
Acetaldehyde ($\mu\text{g}/\text{m}^3$)	Canister	U.S. EPA Method TO-15	6.3	Less than 860
1,4-Dioxane ($\mu\text{g}/\text{m}^3$)	Canister	U.S. EPA Method TO-15	<0.20	Less than 860

Remark:

Standard = Twenty Four Hour Volatile Organic Compounds (VOCs) in Ambient Air, Notification of the National Environmental Board, B.E. 2552

Reported results refer to submitted samples only.

Do not copy partial of this analysis report without official approval.



----- End of Report -----



บริษัท เอส.พี.เอส. คอนซัลติ้ง เซอร์วิส จำกัด

S.P.S. CONSULTING SERVICE CO., LTD.

7 ซอยพหลโยธิน 24 ถนนพหลโยธิน แขวงจอมพล เขตจตุจักร กรุงเทพฯ 10900

7 Soi Phaholyothin 24, Phaholyothin Rd., Jompol, Chatuchak, Bangkok 10900

Tel : (662) 939-4370-72, Fax : (662) 513-4221, E-mail : sale@spscon.com., www.spscon.com

1/1

Ref. No. A199/10/23

Report No. 2310/244

338/12/65

Ambient Air Quality Analysis Report

Company : Asia Pet (Thailand) Limited
Project Location : 61/1 Moo 11, Bangngha-Thakhlong Road, Kaosamorkorn, Tawung, Lopburi
Client Name/Address : Mr. D.N. Pargain
Sampling by : Priraphong Suphannasri
S.P.S. Consulting Service Co., Ltd.

Sampling Date : 11-12 October 2023
Date Received : 12 October 2023
Date of Analysis : 12-27 October 2023
Date Reported : 30 October 2023

Parameter	Sampling Method	Analytical Method	Khao Samo Khon Public Health Center	Standard
Acetaldehyde ($\mu\text{g}/\text{m}^3$)	Canister	U.S. EPA Method TO-15	7.7	Less than 860
1,4-Dioxane ($\mu\text{g}/\text{m}^3$)	Canister	U.S. EPA Method TO-15	<0.20	Less than 860

Remark:

Standard = Twenty Four Hour Volatile Organic Compounds (VOCs) in Ambient Air, Notification of the National Environmental Board, B.E. 2552

Reported results refer to submitted samples only.

Do not copy partial of this analysis report without official approval.



----- End of Report -----



Ref. No. A361/11/23

Report No. 2311/394

338/12/65

Ambient Air Quality Analysis Report

Company : Asia Pet (Thailand) Limited Sampling Date : 20-21 November 2023
Project Location : 61/1 Moo 11, Bangngha-Thakhlong Road, Kaosamorkorn, Tawung, Lopburi Date Received : 21 November 2023
Date of Analysis : 21 November-4 December 2023
Client Name/Address : Mr. D.N. Pargain Date Reported : 6 December 2023
Sampling by : Priraphong Suphannasri
S.P.S. Consulting Service Co., Ltd.

Parameter	Sampling Method	Analytical Method	Khao Samo Khon Public Health Center	Standard
Acetaldehyde ($\mu\text{g}/\text{m}^3$)	Canister	U.S. EPA Method TO-15	8.0	Less than 860
1,4-Dioxane ($\mu\text{g}/\text{m}^3$)	Canister	U.S. EPA Method TO-15	<0.20	Less than 860

Remark:

Standard = Twenty Four Hour Volatile Organic Compounds (VOCs) in Ambient Air, Notification of the National Environmental Board, B.E. 2552

Reported results refer to submitted samples only.

Do not copy partial of this analysis report without official approval.



----- End of Report -----



Ref. No. A091/12/23

Report No. 2312/210

338/12/65

Ambient Air Quality Analysis Report

Project : Asia Pet (Thailand) Limited
Project Location : 61/1 Moo 11, Bangngha-Thakhlong Road, Kaosamorkorn, Tawung, Lopburi
Client Name/Address : Asia Pet (Thailand) Limited
Sampling by : Rattanakorn Yosruangsak
S.P.S. Consulting Service Co., Ltd.

Sampling Date : 12-13 December 2023
Date Received : 14 December 2023
Date of Analysis : 14-26 December 2023
Date Reported : 27 December 2023

Parameter	Sampling Method	Analytical Method	Khao Samo Khon Public Health Center	Standard
Acetaldehyde ($\mu\text{g}/\text{m}^3$)	Canister	U.S. EPA Method TO-15	7.6	Less than 860
1,4-Dioxane ($\mu\text{g}/\text{m}^3$)	Canister	U.S. EPA Method TO-15	<0.20	Less than 860

Remark:

Standard = Twenty Four Hour Volatile Organic Compounds (VOCs) in Ambient Air, Notification of the National Environmental Board, B.E. 2552

Reported results refer to submitted samples only.

Do not copy partial of this analysis report without official approval.



----- End of Report -----



Ref. No. A050(1)-A050(7)/09/23

Report No. 2309/084

338/12/65

Ambient Air Quality Analysis Report

Project : Asia Pet (Thailand) Limited
Project Location : 61/1 Moo 11, Bangngha-Thakhleng Road,
Kaosamorkorn, Tawung, Lopburi
Client Name/Address : Asia Pet (Thailand) Limited
Sampling by : Rattanakorn Yosruangsak
S.P.S. Consulting Service Co., Ltd.

Sampling Date : 4-11 September 2023
Date Received : 11 September 2023
Date of Analysis : 11-22 September 2023
Date Reported : 25 September 2023

Parameter	Sampling Method	Analytical Method	Tham Khao Tako School								Standard
			September 2023								
			4-5	5-6	6-7	7-8	8-9	9-10	10-11		
Total Suspended Particulate (mg/m ³)	High Volume Air Sampler	Gravimetric Method (U.S. EPA 40 CFR Part 50 Appendix B)	0.027	0.023	0.026	0.020	0.023	0.026	0.023	Less than 0.33 ^[1]	
Sulfur Dioxide (24 hr) (mg/m ³)	Midget Impinger	Pararosaniline Method (ASTM D2914)	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	Less than 0.30 ^[1]	
Sulfur Dioxide (24 hr) (ppm)	Midget Impinger	Pararosaniline Method (ASTM D2914)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	Less than 0.12 ^[1]	
Acetaldehyde (µg/m ³)	Canister	GC/MS Method (U.S. EPA Method TO-15)	6.6	-	-	-	-	-	-	Less than 860 ^[2]	
1,4-Dioxane (µg/m ³)	Canister	GC/MS Method (U.S. EPA Method TO-15)	<0.20	-	-	-	-	-	-	Less than 860 ^[2]	

Remark:

Standard^[1] = Ambient Air Quality Standards, Notification of the National Environment Board No. 24, B.E. 2547

Standard^[2] = Twenty Four Hour Volatile Organic Compounds (VOCs) in Ambient Air, Notification of the National Environmental Board, B.E. 2552

Reported results refer to submitted samples only.

Do not copy partial of this analysis report without official approval.



----- End of Report -----



BY022/09/66

338/12/65

Nitrogen Dioxide Level Report

Project : Asia Pet (Thailand) Co., Ltd. Sampling Date : 4-11 September 2023
Project Location : 61/1 Moo 11, Bangngha-Thaklong Road Date Reported : 18 September 2023
Tambon Kaosamorkorn, Amphur Tawung, Lopburi
Client Name/Address : Asia Pet (Thailand) Co., Ltd.
Sampling By : S.P.S. Consulting Service Co., Ltd.

Time	Tham Khao Tako School							Standard
	September 2023							
	4-5	5-6	6-7	7-8	8-9	9-10	10-11	
12:00-13:00	0.0204	0.0169	0.0208	0.0161	0.0197	0.0150	0.0195	-
13:00-14:00	0.0237	0.0191	0.0185	0.0208	0.0213	0.0190	0.0235	-
14:00-15:00	0.0194	0.0225	0.0179	0.0239	0.0170	0.0247	0.0181	-
15:00-16:00	0.0154	0.0182	0.0244	0.0184	0.0193	0.0192	0.0167	-
16:00-17:00	0.0167	0.0153	0.0197	0.0174	0.0236	0.0187	0.0182	-
17:00-18:00	0.0143	0.0155	0.0188	0.0167	0.0208	0.0163	0.0152	-
18:00-19:00	0.0187	0.0164	0.0159	0.0158	0.0168	0.0174	0.0165	-
19:00-20:00	0.0163	0.0131	0.0181	0.0177	0.0158	0.0162	0.0160	-
20:00-21:00	0.0153	0.0175	0.0143	0.0169	0.0150	0.0188	0.0174	-
21:00-22:00	0.0169	0.0153	0.0151	0.0158	0.0161	0.0166	0.0160	-
22:00-23:00	0.0136	0.0145	0.0158	0.0163	0.0153	0.0144	0.0151	-
23:00-00:00	0.0126	0.0139	0.0148	0.0140	0.0136	0.0130	0.0138	-
00:00-01:00	0.0109	0.0112	0.0123	0.0128	0.0125	0.0112	0.0127	-
01:00-02:00	0.0090	0.0092	0.0101	0.0116	0.0102	0.0094	0.0101	-
02:00-03:00	0.0104	0.0118	0.0095	0.0104	0.0110	0.0103	0.0127	-
03:00-04:00	0.0110	0.0139	0.0112	0.0110	0.0125	0.0118	0.0132	-
04:00-05:00	0.0120	0.0151	0.0128	0.0130	0.0140	0.0134	0.0155	-
05:00-06:00	0.0143	0.0148	0.0155	0.0167	0.0168	0.0156	0.0165	-
06:00-07:00	0.0166	0.0164	0.0165	0.0143	0.0155	0.0143	0.0152	-
07:00-08:00	0.0198	0.0148	0.0182	0.0164	0.0144	0.0176	0.0148	-
08:00-09:00	0.0181	0.0194	0.0161	0.0178	0.0168	0.0151	0.0172	-
09:00-10:00	0.0195	0.0174	0.0125	0.0139	0.0143	0.0185	0.0150	-
10:00-11:00	0.0206	0.0186	0.0184	0.0157	0.0178	0.0200	0.0186	-
11:00-12:00	0.0167	0.0242	0.0197	0.0165	0.0160	0.0163	0.0171	-
Max 1 hr [ppm]	0.0237	0.0242	0.0244	0.0239	0.0236	0.0247	0.0235	Less Than 0.17 [ppm]
Average 24 hr [ppm]	0.0159	0.0160	0.0161	0.0158	0.0161	0.0159	0.0160	-
Analyzer Data	Analyzer No. : NO _x -B20				Brand : API			-
	Model : TML-41M				Serial No. : N02782			

Remark:

Standard = Ambient Air Quality Standards (Nitrogen Dioxide), Notification of the National Environment Board, No. 33, B.E. 2552 (2009)
Sampling Method = Chemiluminescence Method

Reported results refer to measurement time only.

Do not copy partial of this measurement report without official approval.





Ref. No. A183/07/23

Report No. 2307/256

338/12/65

Ambient Air Quality Analysis Report

Company : Asia Pet (Thailand) Limited
Project Location : 61/1 Moo 11, Bangngha-Thakhlong Road, Kaosamorkorn,
Tawung, Lopburi
Client Name/Address : Mr. D.N. Pargain
Sampling by : Peerapong Suphansri
S.P.S. Consulting Service Co., Ltd.

Sampling Date : 13-14 July 2023
Date Received : 14 July 2023
Date of Analysis : 14-26 July 2023
Date Reported : 31 July 2023

Parameter	Sampling Method	Analytical Method	Tham Khao Tako School	Standard
Acetaldehyde ($\mu\text{g}/\text{m}^3$)	Canister	U.S. EPA Method TO-15	4.5	Less than 860
1,4-Dioxane ($\mu\text{g}/\text{m}^3$)	Canister	U.S. EPA Method TO-15	<0.20	Less than 860

Remark:

Standard = Twenty Four Hour Volatile Organic Compounds (VOCs) in Ambient Air, Notification of the National Environmental Board, B.E. 2552

Reported results refer to submitted samples only.

Do not copy partial of this analysis report without official approval.



----- End of Report -----



Ref. No. A062/08/23

Report No. 2308/186

338/12/65

Ambient Air Quality Analysis Report

Company : Asia Pet (Thailand) Limited
Project Location : 61/1 Moo 11, Bangnga-Thaklong Road, Kaosamorkorn,
Tawung, Lopburi
Client Name/Address : Mr. D.N. Pargain
Sampling by : Priraphong Suphannasri
S.P.S. Consulting Service Co., Ltd.

Sampling Date : 10-11 August 2023
Date Received : 11 August 2023
Date of Analysis : 11-25 August 2023
Date Reported : 28 August 2023

Parameter	Sampling Method	Analytical Method	Tham Khao Tako School	Standard
Acetaldehyde ($\mu\text{g}/\text{m}^3$)	Canister	U.S. EPA Method TO-15	5.6	Less than 860
1,4-Dioxane ($\mu\text{g}/\text{m}^3$)	Canister	U.S. EPA Method TO-15	<0.20	Less than 860

Remark:

Standard = Twenty Four Hour Volatile Organic Compounds (VOCs) in Ambient Air, Notification of the National Environmental Board, B.E. 2552

Reported results refer to submitted samples only.

Do not copy partial of this analysis report without official approval.



----- End of Report -----



บริษัท เอส.พี.เอส. คอนซัลติ้ง เซอร์วิส จำกัด

S.P.S. CONSULTING SERVICE CO., LTD.

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7 Soi Phaholyothin 24, Phaholyothin Rd., Jompol, Chatuchak, Bangkok 10900

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1/1

Ref. No. A200/10/23

Report No. 2310/244

338/12/65

Ambient Air Quality Analysis Report

Company : Asia Pet (Thailand) Limited
Project Location : 61/1 Moo 11, Bangnga-Thakhleng Road, Kaosamorkorn, Tawung, Lopburi
Client Name/Address : Mr. D.N. Pargain
Sampling by : Priraphong Suphannasri
S.P.S. Consulting Service Co., Ltd.

Sampling Date : 11-12 October 2023
Date Received : 12 October 2023
Date of Analysis : 12-27 October 2023
Date Reported : 30 October 2023

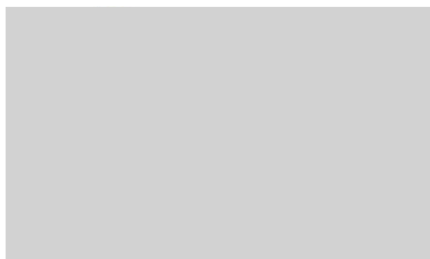
Parameter	Sampling Method	Analytical Method	Tham Khao Tako School	Standard
Acetaldehyde ($\mu\text{g}/\text{m}^3$)	Canister	U.S. EPA Method TO-15	20	Less than 860
1,4-Dioxane ($\mu\text{g}/\text{m}^3$)	Canister	U.S. EPA Method TO-15	<0.20	Less than 860

Remark:

Standard = Twenty Four Hour Volatile Organic Compounds (VOCs) in Ambient Air, Notification of the National Environmental Board, B.E. 2552

Reported results refer to submitted samples only.

Do not copy partial of this analysis report without official approval.



----- End of Report -----



Ref. No. A362/11/23

Report No. 2311/394

338/12/65

Ambient Air Quality Analysis Report

Company : Asia Pet (Thailand) Limited Sampling Date : 20-21 November 2023
Project Location : 61/1 Moo 11, Bangngha-Thakhleng Road, Kaosamorkorn, Tawung, Lopburi Date Received : 21 November 2023
Date of Analysis : 21 November-4 December 2023
Client Name/Address : Mr. D.N. Pargain Date Reported : 6 December 2023
Sampling by : Priraphong Suphannasri
S.P.S. Consulting Service Co., Ltd.

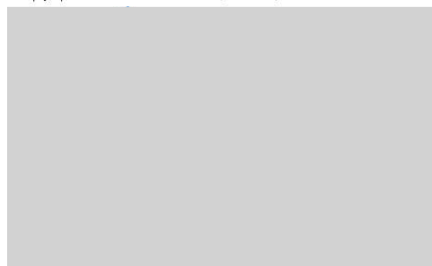
Parameter	Sampling Method	Analytical Method	Tham Khao Tako School	Standard
Acetaldehyde ($\mu\text{g}/\text{m}^3$)	Canister	U.S. EPA Method TO-15	3.4	Less than 860
1,4-Dioxane ($\mu\text{g}/\text{m}^3$)	Canister	U.S. EPA Method TO-15	<0.20	Less than 860

Remark:

Standard = Twenty Four Hour Volatile Organic Compounds (VOCs) in Ambient Air, Notification of the National Environmental Board, B.E. 2552

Reported results refer to submitted samples only.

Do not copy partial of this analysis report without official approval.



----- End of Report -----



Ref. No. A092/12/23

Report No. 2312/210

338/12/65

Ambient Air Quality Analysis Report

Project : Asia Pet (Thailand) Limited
Project Location : 61/1 Moo 11, Bangngha-Thakhlong Road, Kaosamorkorn,
Tawung, Lopburi
Client Name/Address : Asia Pet (Thailand) Limited
Sampling by : Rattanakorn Yosruangsak
S.P.S. Consulting Service Co., Ltd.

Sampling Date : 12-13 December 2023
Date Received : 14 December 2023
Date of Analysis : 14-26 December 2023
Date Reported : 27 December 2023

Parameter	Sampling Method	Analytical Method	Tham Khao Tako School	Standard
Acetaldehyde ($\mu\text{g}/\text{m}^3$)	Canister	U.S. EPA Method TO-15	17	Less than 860
1,4-Dioxane ($\mu\text{g}/\text{m}^3$)	Canister	U.S. EPA Method TO-15	<0.20	Less than 860

Remark:

Standard = Twenty Four Hour Volatile Organic Compounds (VOCs) in Ambient Air, Notification of the National Environmental Board, B.E. 2552

Reported results refer to submitted samples only.

Do not copy partial of this analysis report without official approval.



----- End of Report -----

ความเร็วและทิศทางลม



BY022/09/66

338/12/65

Wind Speed and Wind Direction Measurement Report

Project : Asia Pet (Thailand) Co., Ltd. Sampling Date : 4-11 September 2023
Project Location : 61/1 Moo 11, Bangnga-Thaklong Road Date Reported : 18 September 2023
Tambon Kaosamorkorn, Amphur Tawung, Lopburi
Client Name/Address : Asia Pet (Thailand) Co., Ltd.
Sampling By : S.P.S. Consulting Service Co., Ltd.

Wind Speed Wind Direction	Project Area				
	Percent of Wind Speed (%)				
	Light Air	Light Breeze	Gentle Breeze	Moderate Breeze	Fresh Breeze
	0.3-1.6 m/s (1-5 km/hr)	1.7-3.3 m/s (6-11 km/hr)	3.4-5.5 m/s (12-19 km/hr)	5.6-8.0 m/s (20-28 km/hr)	8.1-10.8 m/s (29-38 km/hr)
N (349°-11°)	0.595	-	-	-	-
NNE (11°-34°)	1.786	-	-	-	-
NE (34°-56°)	-	-	-	-	-
ENE (56°-79°)	2.381	-	-	-	-
E (79°-102°)	6.548	-	-	-	-
ESE (102°-124°)	4.762	-	-	-	-
SE (124°-146°)	2.381	-	-	-	-
SSE (146°-169°)	12.500	-	-	-	-
S (169°-191°)	4.167	-	-	-	-
SSW (191°-214°)	4.762	-	-	-	-
SW (214°-236°)	15.476	3.571	-	-	-
WSW (236°-259°)	19.643	11.310	-	-	-
W (259°-281°)	5.357	0.595	-	-	-
WNW (281°-304°)	2.976	-	-	-	-
NW (304°-326°)	1.190	-	-	-	-
NNW (326°-349°)	-	-	-	-	-
Total	84.524	15.476	0.000	0.000	0.000
Calm <0.3 m/s (<1 km/hr)	0.000				

Reported results refer to measurement time only.

Do not copy partial of this measurement report without official approval.





BY022/09/66

338/12/65

Wind Speed and Wind Direction Measurement Report

Project : Asia Pet (Thailand) Co., Ltd. Sampling Date : 4-11 September 2023
Project Location : 61/1 Moo 11, Bangngha-Thaklong Road Date Reported : 18 September 2023
Tambon Kaosamorkorn, Amphur Tawung, Lopburi
Client Name/Address : Asia Pet (Thailand) Co., Ltd.
Sampling By : S.P.S. Consulting Service Co., Ltd.

Time	Project Area											
	September 2023											
	4-5			5-6			6-7			7-8		
	WS		WD	WS		WD	WS		WD	WS		WD
	m/s	km/hr		m/s	km/hr		m/s	km/hr		m/s	km/hr	
13:00-14:00	1.3	4.8	WSW	2.2	8.0	WSW	1.8	6.4	WSW	0.9	3.2	W
14:00-15:00	0.9	3.2	SSE	2.2	8.0	WSW	1.8	6.4	W	0.9	3.2	NW
15:00-16:00	0.9	3.2	SW	2.7	9.7	WSW	1.3	4.8	W	1.3	4.8	WNW
16:00-17:00	1.3	4.8	SW	2.2	8.0	WSW	1.3	4.8	WSW	1.3	4.8	WNW
17:00-18:00	0.9	3.2	SSE	2.2	8.0	WSW	1.8	6.4	WSW	0.9	3.2	WNW
18:00-19:00	0.9	3.2	SSE	2.7	9.7	WSW	0.9	3.2	WSW	0.9	3.2	WSW
19:00-20:00	0.9	3.2	SSE	0.4	1.6	WSW	0.9	3.2	WSW	0.9	3.2	WSW
20:00-21:00	1.3	4.8	SE	0.4	1.6	WSW	0.4	1.6	WSW	0.4	1.6	WSW
21:00-22:00	1.8	6.4	WSW	0.9	3.2	SW	1.3	4.8	WSW	1.3	4.8	W
22:00-23:00	0.9	3.2	ESE	0.9	3.2	W	0.9	3.2	WSW	0.9	3.2	WSW
23:00-00:00	0.4	1.6	E	0.4	1.6	WSW	0.4	1.6	WSW	1.3	4.8	NNE
00:00-01:00	0.9	3.2	ESE	0.4	1.6	WSW	0.9	3.2	WSW	0.9	3.2	NNE
01:00-02:00	0.4	1.6	SE	0.4	1.6	SW	0.4	1.6	WSW	0.4	1.6	NNE
02:00-03:00	0.9	3.2	SSE	0.4	1.6	SW	0.4	1.6	WSW	0.4	1.6	E
03:00-04:00	0.9	3.2	SSE	0.4	1.6	SW	0.9	3.2	ESE	0.4	1.6	ENE
04:00-05:00	0.9	3.2	S	0.4	1.6	WSW	0.4	1.6	ESE	0.4	1.6	NW
05:00-06:00	0.4	1.6	SSE	0.9	3.2	SE	0.4	1.6	E	0.4	1.6	N
06:00-07:00	0.9	3.2	ESE	0.9	3.2	SSW	0.4	1.6	ESE	0.4	1.6	E
07:00-08:00	0.9	3.2	SSE	0.9	3.2	S	0.4	1.6	ESE	0.4	1.6	E
08:00-09:00	0.9	3.2	SSE	0.4	1.6	SW	0.4	1.6	E	0.4	1.6	E
09:00-10:00	0.9	3.2	WSW	0.4	1.6	SW	0.9	3.2	SE	0.4	1.6	SSE
10:00-11:00	1.8	6.4	SW	0.9	3.2	SSE	0.9	3.2	W	0.9	3.2	SW
11:00-12:00	2.7	9.7	WSW	1.3	4.8	WSW	1.3	4.8	WNW	1.3	4.8	WSW
12:00-13:00	2.7	9.7	WSW	1.8	6.4	SW	0.9	3.2	W	1.3	4.8	SW
Temperature Average (°C)	30.0			29.9			30.2			30.3		
Barometric Pressure Average (mmHg)	753.37			754.45			753.65			753.50		
Sky Condition	Cloudy and Rainy			Cloudy and Rainy			Cloudy and Rainy			Cloudy and Rainy		

Reported results refer to measurement time only.

Do not copy partial of this measurement report without official approval.





BY022/09/66

338/12/65

Wind Speed and Wind Direction Measurement Report

Project : Asia Pet (Thailand) Co., Ltd. Sampling Date : 4-11 September 2023
Project Location : 61/1 Moo 11, Bangngha-Thaklong Road Date Reported : 18 September 2023
Tambon Kaosamorkorn, Amphur Tawung, Lopburi
Client Name/Address : Asia Pet (Thailand) Co., Ltd.
Sampling By : S.P.S. Consulting Service Co., Ltd.

Time	Project Area								
	September 2023								
	8-9			9-10			10-11		
	WS		WD	WS		WD	WS		WD
	m/s	km/hr		m/s	km/hr		m/s	km/hr	
13:00-14:00	1.8	6.4	SW	1.3	4.8	WSW	2.2	8.0	WSW
14:00-15:00	1.3	4.8	SW	1.3	4.8	WSW	2.2	8.0	SW
15:00-16:00	0.9	3.2	SW	1.8	6.4	WSW	2.2	8.0	WSW
16:00-17:00	1.3	4.8	WNW	1.3	4.8	W	2.2	8.0	WSW
17:00-18:00	0.9	3.2	WSW	0.9	3.2	WSW	0.9	3.2	WSW
18:00-19:00	0.4	1.6	SW	0.9	3.2	SW	0.4	1.6	SW
19:00-20:00	0.4	1.6	E	2.7	9.7	WSW	0.4	1.6	SW
20:00-21:00	0.9	3.2	E	1.3	4.8	WSW	1.3	4.8	SW
21:00-22:00	0.9	3.2	WSW	1.3	4.8	SW	0.9	3.2	SW
22:00-23:00	0.4	1.6	W	0.9	3.2	WSW	0.4	1.6	SW
23:00-00:00	0.4	1.6	W	0.9	3.2	SSE	0.4	1.6	SW
00:00-01:00	0.4	1.6	WSW	0.9	3.2	SSE	0.4	1.6	SW
01:00-02:00	0.9	3.2	ENE	1.3	4.8	S	0.4	1.6	SW
02:00-03:00	0.9	3.2	ENE	0.9	3.2	SSE	0.4	1.6	SW
03:00-04:00	0.9	3.2	ENE	1.3	4.8	SSE	2.2	8.0	SW
04:00-05:00	0.4	1.6	E	0.9	3.2	SSE	0.4	1.6	SSW
05:00-06:00	0.4	1.6	SSE	0.9	3.2	SSE	0.9	3.2	SSW
06:00-07:00	0.4	1.6	SSE	0.9	3.2	S	0.4	1.6	SSW
07:00-08:00	0.4	1.6	ESE	0.9	3.2	S	0.4	1.6	SSW
08:00-09:00	0.9	3.2	SSE	0.9	3.2	S	0.4	1.6	SSW
09:00-10:00	0.9	3.2	SSE	1.3	4.8	SW	0.9	3.2	SSW
10:00-11:00	1.3	4.8	S	1.8	6.4	SW	0.4	1.6	SSW
11:00-12:00	1.3	4.8	SW	2.2	8	WSW	0.9	3.2	WSW
12:00-13:00	1.8	6.4	WSW	2.2	8	WSW	0.4	1.6	E
Temperature Average (°C)	30.8			30.7			30.1		
Barometric Pressure Average (mmHg)	753.32			753.18			753.46		
Sky Condition	Fair			Fair			Fair		

Reported results refer to measurement time only.

Do not copy partial of this measurement report without official approval.



คุณภาพอากาศจากปล่องระบาย



Ref. No. AR086/09/23

Report No. 2309/176

338/12/65

Stack Air Quality Analysis Report

Project : Asia Pet (Thailand) Limited
Project Location : 61/1 Moo 11, Bangngha-Thakhlong Road,
Kasamorkorn, Tawung, Lopburi
Client Name/Address : Mr. D.N. Pargain
Sampling by : Adul Daengklong (๖-011-๘-8008)
S.P.S. Consulting Service Co., Ltd.

Sampling Date : 9 September 2023
Date Received : 10 September 2023
Date of Analysis : 10-21 September 2023
Date Reported : 22 September 2023

Parameter	Unit	Sampling Method	Analytical Method	HTM Heater Stack No. 1		Standard	
						[1]	[2]
Sampling Time	น.	-	-	11:00-11:42		-	-
Height	m.	-	-	35.0		-	-
Diameter	cm.	-	-	70.0		-	-
Barometric Pressure	mmHg	-	-	756.06		-	-
Absolute Stack Gas Pressure	mmHg	-	-	755.18		-	-
Dry Gas Meter Temperature	°C	-	-	35.2		-	-
Stack Temperature	°C	-	-	195		-	-
Moisture	%	-	-	4.61		-	-
Velocity	m/s	-	-	9.31		-	-
Flow Rate (Qsd)	m ³ /s	-	-	2.163		-	-
Carbon Dioxide	%	-	-	12.41		-	-
Oxygen	%	-	-	4.5	7.0	-	-
Excess air	%	-	-	25.80	50.0	-	-
Total Suspended Particulate	mg/m ³	Isokinetic	Gravimetric Method (U.S. EPA Method 5)	94	79	240	200
Emission Rate of Total Suspended Particulate	g/s	-	Calculate	0.203	-	-	0.61
Sulfur Dioxide	mg/m ³	Midget Impinger	Titrimetric Method (U.S. EPA Method 6)	956	802	-	2,374
Sulfur Dioxide	ppm	Midget Impinger	Titrimetric Method (U.S. EPA Method 6)	365	306	950	907
Emission Rate of Sulfur Dioxide	g/s	-	Calculate	2.07	-	-	8.00
Oxide of Nitrogen	mg/m ³	Vacuum Flask	Colorimetric Method (U.S. EPA Method 7)	230	193	376	350
Oxide of Nitrogen	ppm	Vacuum Flask	Colorimetric Method (U.S. EPA Method 7)	122	102	200	-
Emission Rate of Oxide of Nitrogen	g/s	-	Calculate	0.498	-	-	1.07
Carbon Monoxide	mg/m ³	Gas Bag	Non-Dispersive Infrared Detection Method (U.S. EPA Method 10)	44	37	790	-
Carbon Monoxide	ppm	Gas Bag	Non-Dispersive Infrared Detection Method (U.S. EPA Method 10)	38	32	690	-
Emission Rate of Carbon Monoxide	g/s	-	Calculate	0.095	-	-	-



Ref. No. AR086/09/23

Report No. 2309/176

338/12/65

Stack Air Quality Analysis Report

Remark:

- Type of Fuel: Heavy Oil Grade C
- Fuel Consumption Rate: 14 L/min
- Capacity: 8 million kcal/hr
- Flow rate (Qsd) and pollutants are calculated under standard condition at 1 atmosphere or 760 mmHg and temperature 25 degree celsius and dry basis

Standard^[1] = Industrial Emission Standards, Notification of the Ministry of Industry B.E. 2549

Standard^[2] = Standard of EIA

Reported results refer to submitted samples only.

Do not copy partial of this analysis report without official approval.



----- End of Report -----



Ref. No. AR086/09/23

Report No. 2309/176

338/12/65

Stack Air Quality Analysis Report

Project : Asia Pet (Thailand) Limited
Project Location : 61/1 Moo 11, Bangnga-Thakhlong Road,
Kasamorkorn, Tawung, Lopburi
Client Name/Address : Mr. D.N. Pargain
Sampling by : Adul Daengklom (ว-011-ค-8008)
S.P.S. Consulting Service Co., Ltd.

Sampling Date : 5 September 2023
Date Received : 6 September 2023
Date of Analysis : 6-21 September 2023
Date Reported : 22 September 2023

Parameter	Unit	Sampling Method	Analytical Method	HTM Heater Stack No. 2		Standard	
						[1]	[2]
Sampling Time	น.	-	-	12:30-13:12		-	-
Height	m.	-	-	35.0		-	-
Diameter	cm.	-	-	68.0		-	-
Barometric Pressure	mmHg	-	-	756.06		-	-
Absolute Stack Gas Pressure	mmHg	-	-	755.30		-	-
Dry Gas Meter Temperature	°C	-	-	35.6		-	-
Stack Temperature	°C	-	-	218		-	-
Moisture	%	-	-	5.74		-	-
Velocity	m/s	-	-	9.99		-	-
Flow Rate (Qsd)	m ³ /s	-	-	1.024		-	-
Carbon Dioxide	%	-	-	10.23		-	-
Oxygen	%	-	-	7.4	7.0	-	-
Excess air	%	-	-	51.57	50.0	-	-
Total Suspended Particulate	mg/m ³	Isokinetic	Gravimetric Method (U.S. EPA Method 5)	73	74	240	200
Emission Rate of Total Suspended Particulate	g/s	-	Calculate	0.151	-	-	0.44
Sulfur Dioxide	mg/m ³	Midget Impinger	Titrimetric Method (U.S. EPA Method 6)	456	461	-	2,374
Sulfur Dioxide	ppm	Midget Impinger	Titrimetric Method (U.S. EPA Method 6)	174	176	950	907
Emission Rate of Sulfur Dioxide	g/s	-	Calculate	0.941	-	-	5.21
Oxide of Nitrogen	mg/m ³	Vacuum Flask	Colorimetric Method (U.S. EPA Method 7)	277	280	376	350
Oxide of Nitrogen	ppm	Vacuum Flask	Colorimetric Method (U.S. EPA Method 7)	147	149	200	-
Emission Rate of Oxide of Nitrogen	g/s	-	Calculate	0.572	-	-	0.77
Carbon Monoxide	mg/m ³	Gas Bag	Non-Dispersive Infrared Detection Method (U.S. EPA Method 10)	30	30	790	-
Carbon Monoxide	ppm	Gas Bag	Non-Dispersive Infrared Detection Method (U.S. EPA Method 10)	26	26	690	-
Emission Rate of Carbon Monoxide	g/s	-	Calculate	0.062	-	-	-



Ref. No. AR086/09/23

Report No. 2309/176

338/12/65

Stack Air Quality Analysis Report

Remark:

- Type of Fuel: Heavy Oil Grade C
- Fuel Consumption Rate: 8 L/min
- Capacity: 8 million kcal/hr
- Flow rate (Qsd) and pollutants are calculated under standard condition at 1 atmosphere or 760 mmHg and temperature 25 degree celsius and dry basis

Standard^[1] = Industrial Emission Standards, Notification of the Ministry of Industry B.E. 2549

Standard^[2] = Standard of EIA

Reported results refer to submitted samples only.

Do not copy partial of this analysis report without official approval.



----- End of Report -----



Ref. No. AR088/09/23

Report No. 2309/176

338/12/65

Stack Air Quality Analysis Report

Company : Asia Pet (Thailand) Limited
Project Location : 61/1 Moo 11, Bangnga-Thakhleng Road,
Kasamorkorn, Tawung, Lopburi
Client Name/Address : Mr. D.N. Pargain
Sampling by : Adul Daengkrom (ว-011-ค-8008)
S.P.S. Consulting Service Co., Ltd.

Sampling Date : 9 September 2023
Date Received : 10 September 2023
Date of Analysis : 10-21 September 2023
Date Reported : 22 September 2023

Parameter	Unit	Sampling Method	Analytical Method	Catalytic Off Gas Incinerator Stack of CP1	Standard	
					[1]	[2]
Sampling Time	น.	-	-	14:40-15:22	-	-
Height	m.	-	-	30.0	-	-
Diameter	cm.	-	-	34.0	-	-
Barometric Pressure	mmHg	-	-	756.06	-	-
Absolute Stack Gas Pressure	mmHg	-	-	755.72	-	-
Dry Gas Meter Temperature	°C	-	-	36.5	-	-
Stack Temperature	°C	-	-	215	-	-
Moisture	%	-	-	3.86	-	-
Velocity	m/s	-	-	10.61	-	-
Flow Rate (Qsd)	m ³ /s	-	-	0.563	-	-
Carbon Dioxide	%	-	-	0.28	-	-
Oxygen	%	-	-	20.5	-	-
Carbon Monoxide	mg/m ³	Gas Bag	NON-Dispersive Infrared Detection Method (U.S. EPA Method 10)	24	790	100
Carbon Monoxide	ppm	Gas Bag	NON-Dispersive Infrared Detection Method (U.S. EPA Method 10)	21	690	-
Emission Rate of Carbon Monoxide	g/s	-	Calculate	0.014	-	-
Oxide of Nitrogen	mg/m ³	Vacuum Flask	Colorimetric Method (U.S. EPA Method 7)	14	376	200
Oxide of Nitrogen	ppm	Vacuum Flask	Colorimetric Method (U.S. EPA Method 7)	7	200	-
Emission Rate of Oxide of Nitrogen	g/s	-	Calculate	0.008	-	-



Ref. No. AR088/09/23

Report No. 2309/176

338/12/65

Stack Air Quality Analysis Report

Remark:

- Flow rate (Qsd) and pollutants are calculated under standard condition at 1 atmosphere or 760 mmHg and temperature 25 degree celsius and dry basis.

Standard^[1] = Industrial Emission Standards, Notification of the Ministry of Industry B.E. 2549

Standard^[2] = Standard of EIA (Clean gas values refer to actual measured oxygen content.)

Reported results refer to submitted samples only.

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- - - - - End of Report - - - - -



Ref. No. AR088/09/23

Report No. 2309/176_1

338/12/65

Stack Air Quality Analysis Report

Company : Asia Pet (Thailand) Limited
Project Location : 61/1 Moo 11, Bangngha-Thakhlom Road,
Kasamorkorn, Tawung, Lopburi
Client Name/Address : Mr. D.N. Pargain
Sampling by : Adul Daengklom
S.P.S. Consulting Service Co., Ltd.

Sampling Date : 9 September 2023
Date Received : 10 September 2023
Date of Analysis : 10-21 September 2023
Date Reported : 22 September 2023

Parameter	Unit	Sampling Method	Analytical Method	Catalytic Off Gas Incinerator Stack of CP1	Standard	
					[1]	[2]
Sampling Time	น.	-	-	14:40-15:22	-	-
Height	m.	-	-	30.0	-	-
Diameter	cm.	-	-	34.0	-	-
Barometric Pressure	mmHg	-	-	756.06	-	-
Absolute Stack Gas Pressure	mmHg	-	-	755.72	-	-
Dry Gas Meter Temperature	°C	-	-	36.5	-	-
Stack Temperature	°C	-	-	215	-	-
Moisture	%	-	-	3.86	-	-
Velocity	m/s	-	-	10.61	-	-
Flow Rate (Qsd)	m ³ /s	-	-	0.563	-	-
Carbon Dioxide	%	-	-	0.28	-	-
Oxygen	%	-	-	20.5	-	-
Acetaldehyde	mg/m ³	Sorbent Tube	GC/FID Method (U.S. EPA Method 18)	<0.2	-	-
Acetaldehyde	µg/m ³	Sorbent Tube	GC/FID Method (U.S. EPA Method 18)	<200	-	-
Emission Rate of Acetaldehyde	g/s	-	Calculate	<0.001	-	-

Remark:

- Flow rate (Qsd) and pollutants are calculated under standard condition at 1 atmosphere or 760 mmHg and temperature 25 degree celsius and dry basis.

Standard^[1] = Industrial Emission Standards, Notification of the Ministry of Industry B.E. 2549

Standard^[2] = Standard of EIA (Clean gas values refer to actual measured oxygen content.)

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----- End of Report -----



Ref. No. AR088/09/23

Report No. 2309/176_2

338/12/65

Stack Air Quality Analysis Report

Company : Asia Pet (Thailand) Limited
Project Location : 61/1 Moo 11, Bangnga-Thakhleng Road,
Kasamorkorn, Tawung, Lopburi
Client Name/Address : Mr. D.N. Pargain
Sampling by : Adul Daengklong
S.P.S. Consulting Service Co., Ltd.

Sampling Date : 9 September 2023
Date Received : 10 September 2023
Date of Analysis : 10-21 September 2023
Date Reported : 22 September 2023

Parameter	Unit	Sampling Method	Analytical Method	Catalytic Off Gas Incinerator Stack of CP1	Standard	
					[1]	[2]
Sampling Time	น.	-	-	14:40-15:22	-	-
Height	m.	-	-	30.0	-	-
Diameter	cm.	-	-	34.0	-	-
Barometric Pressure	mmHg	-	-	756.06	-	-
Absolute Stack Gas Pressure	mmHg	-	-	755.72	-	-
Dry Gas Meter Temperature	°C	-	-	36.5	-	-
Stack Temperature	°C	-	-	215	-	-
Moisture	%	-	-	3.86	-	-
Velocity	m/s	-	-	10.61	-	-
Flow Rate (Qsd)	m ³ /s	-	-	0.563	-	-
Carbon Dioxide	%	-	-	0.28	-	-
Oxygen	%	-	-	20.5	-	-
Total VOC	mg/m ³	Gas Bag	VOC Analyzer (PID)	14	-	20
Emission Rate of Total VOC	g/s	-	Calculate	0.008	-	-

Remark:

- Flow rate (Qsd) and pollutants are calculated under standard condition at 1 atmosphere or 760 mmHg and temperature 25 degree celsius and dry basis.

Standard^[1] = Industrial Emission Standards, Notification of the Ministry of Industry B.E. 2549

Standard^[2] = Standard of EIA (Clean gas values refer to actual measured oxygen content.)

Reported results refer to submitted samples only.

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----- End of Report -----



Ref. No. AR089/09/23

Report No. 2309/176

338/12/65

Stack Air Quality Analysis Report

Company : Asia Pet (Thailand) Limited
Project Location : 61/1 Moo 11, Bangngha-Thakhlong Road,
Kaosamorkorn, Tawung, Lopburi
Client Name/Address : Mr. D.N. Pargain
Sampling by : Adul Daengkrom (ว-011-ค-8008)
S.P.S. Consulting Service Co., Ltd.

Sampling Date : 5 September 2023
Date Received : 6 September 2023
Date of Analysis : 6-21 September 2023
Date Reported : 22 September 2023

Parameter	Unit	Sampling Method	Analytical Method	Catalytic Off Gas Incinerator Stack of CP2	Standard	
					[1]	[2]
Sampling Time	น.	-	-	11:00-11:42	-	-
Height	m.	-	-	30.0	-	-
Diameter	cm.	-	-	30.0	-	-
Barometric Pressure	mmHg	-	-	756.06	-	-
Absolute Stack Gas Pressure	mmHg	-	-	755.80	-	-
Dry Gas Meter Temperature	°C	-	-	35.5	-	-
Stack Temperature	°C	-	-	218	-	-
Moisture	%	-	-	4.45	-	-
Velocity	m/s	-	-	9.28	-	-
Flow Rate (Qsd)	m ³ /s	-	-	0.378	-	-
Carbon Dioxide	%	-	-	1.93	-	-
Oxygen	%	-	-	17.6	-	-
Carbon Monoxide	mg/m ³	Gas Bag	NON-Dispersive Infrared Detection Method (U.S. EPA Method 10)	4.6	790	100
Carbon Monoxide	ppm	Gas Bag	NON-Dispersive Infrared Detection Method (U.S. EPA Method 10)	4.0	690	-
Emission Rate of Carbon Monoxide	g/s	-	Calculate	0.002	-	-
Oxide of Nitrogen	mg/m ³	Vacuum Flask	Colorimetric Method (U.S. EPA Method 7)	12	376	200
Oxide of Nitrogen	ppm	Vacuum Flask	Colorimetric Method (U.S. EPA Method 7)	6	200	-
Emission Rate of Oxide of Nitrogen	g/s	-	Calculate	0.005	-	-



Ref. No. AR089/09/23

Report No. 2309/176

338/12/65

Stack Air Quality Analysis Report

Remark:

- Flow rate (Qsd) and pollutants are calculated under standard condition at 1 atmosphere or 760 mmHg and temperature 25 degree celsius and dry basis.

Standard^[1] = Industrial Emission Standards, Notification of the Ministry of Industry B.E. 2549

Standard^[2] = Standard of EIA (Clean gas values refer to actual measured oxygen content.)

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----- End of Report -----



Ref. No. AR089/09/23

Report No. 2309/176_1

338/12/65

Stack Air Quality Analysis Report

Company : Asia Pet (Thailand) Limited
Project Location : 61/1 Moo 11, Bangnha-Thakhlom Road,
Kaosamorkorn, Tawung, Lopburi
Client Name/Address : Mr. D.N. Pargain
Sampling by : Adul Daengklom
S.P.S. Consulting Service Co., Ltd.

Sampling Date : 5 September 2023
Date Received : 6 September 2023
Date of Analysis : 6-21 September 2023
Date Reported : 22 September 2023

Parameter	Unit	Sampling Method	Analytical Method	Catalytic Off Gas Incinerator Stack of CP2	Standard	
					[1]	[2]
Sampling Time	น.	-	-	11:00-11:42	-	-
Height	m.	-	-	30.0	-	-
Diameter	cm.	-	-	30.0	-	-
Barometric Pressure	mmHg	-	-	756.06	-	-
Absolute Stack Gas Pressure	mmHg	-	-	755.80	-	-
Dry Gas Meter Temperature	°C	-	-	35.5	-	-
Stack Temperature	°C	-	-	218	-	-
Moisture	%	-	-	4.45	-	-
Velocity	m/s	-	-	9.28	-	-
Flow Rate (Qsd)	m ³ /s	-	-	0.378	-	-
Carbon Dioxide	%	-	-	1.93	-	-
Oxygen	%	-	-	17.6	-	-
Acetaldehyde	mg/m ³	Sorbent Tube	GC/FID Method (U.S. EPA Method 18)	<0.2	-	-
Acetaldehyde	µg/m ³	Sorbent Tube	GC/FID Method (U.S. EPA Method 18)	<200	-	-
Emission Rate of Acetaldehyde	g/s	-	Calculate	<0.001	-	-

Remark:

- Flow rate (Qsd) and pollutants are calculated under standard condition at 1 atmosphere or 760 mmHg and temperature 25 degree celsius and dry basis.

Standard^[1] = Industrial Emission Standards, Notification of the Ministry of Industry B.E. 2549

Standard^[2] = Standard of EIA (Clean gas values refer to actual measured oxygen content.)

Reported results refer to submitted samples only.

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----- End of Report -----



Ref. No. AR089/09/23

Report No. 2309/176_2

338/12/65

Stack Air Quality Analysis Report

Company : Asia Pet (Thailand) Limited
Project Location : 61/1 Moo 11, Bangnga-Thakhleng Road,
Kaosamorkorn, Tawung, Lopburi
Client Name/Address : Mr. D.N. Pargain
Sampling by : Adul Daengklong
S.P.S. Consulting Service Co., Ltd.

Sampling Date : 5 September 2023
Date Received : 6 September 2023
Date of Analysis : 6-21 September 2023
Date Reported : 22 September 2023

Parameter	Unit	Sampling Method	Analytical Method	Catalytic Off Gas Incinerator Stack of CP2	Standard	
					[1]	[2]
Sampling Time	น.	-	-	11:00-11:42	-	-
Height	m.	-	-	30.0	-	-
Diameter	cm.	-	-	30.0	-	-
Barometric Pressure	mmHg	-	-	756.06	-	-
Absolute Stack Gas Pressure	mmHg	-	-	755.80	-	-
Dry Gas Meter Temperature	°C	-	-	35.5	-	-
Stack Temperature	°C	-	-	218	-	-
Moisture	%	-	-	4.45	-	-
Velocity	m/s	-	-	9.28	-	-
Flow Rate (Qsd)	m ³ /s	-	-	0.378	-	-
Carbon Dioxide	%	-	-	1.93	-	-
Oxygen	%	-	-	17.6	-	-
Total VOC	mg/m ³	Gas Bag	VOC Analyzer (PID)	16	-	20
Emission Rate of Total VOC	g/s	-	Calculate	0.006	-	-

Remark:

- Flow rate (Qsd) and pollutants are calculated under standard condition at 1 atmosphere or 760 mmHg and temperature 25 degree celsius and dry basis.

Standard^[1] = Industrial Emission Standards, Notification of the Ministry of Industry B.E. 2549

Standard^[2] = Standard of EIA (Clean gas values refer to actual measured oxygen content.)

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----- End of Report -----

ระดับเสียงในบรรยากาศ



BY022/09/66

338/12/65

Noise Level Report

Project : Asia Pet (Thailand) Co., Ltd. Sampling Date : 4-5 September 2023
Project Location : 61/1 Moo 11, Bangngha-Thaklong Road Date Reported : 18 September 2023
Tambon Kaosamorkorn, Amphur Tawung, Lopburi
Client Name/Address : Asia Pet (Thailand) Co., Ltd.
Sampling By : S.P.S. Consulting Service Co., Ltd.

Time	The East of the Project Boundary (E)		Standard		
	L _{eq} 1 hr [dB(A)]	L ₉₀ [dB(A)]			
14:00-15:00	64.8	63.6	-		
15:00-16:00	63.9	61.8	-		
16:00-17:00	62.3	61.3	-		
17:00-18:00	62.3	61.4	-		
18:00-19:00	67.3	63.9	-		
19:00-20:00	66.6	63.6	-		
20:00-21:00	65.1	64.0	-		
21:00-22:00	65.7	64.9	-		
22:00-23:00	66.0	65.3	-		
23:00-00:00	66.2	65.3	-		
00:00-01:00	66.2	65.4	-		
01:00-02:00	65.8	65.1	-		
02:00-03:00	65.9	65.1	-		
03:00-04:00	66.0	65.4	-		
04:00-05:00	66.3	65.5	-		
05:00-06:00	69.2	65.9	-		
06:00-07:00	66.2	65.4	-		
07:00-08:00	66.0	65.2	-		
08:00-09:00	65.8	63.7	-		
09:00-10:00	64.5	63.0	-		
10:00-11:00	64.5	63.1	-		
11:00-12:00	63.8	62.8	-		
12:00-13:00	63.6	62.6	-		
13:00-14:00	63.6	62.7	-		
L _{eq} 24 hr [dB(A)]	65.6	-	Less Than 70.0		
L _{max} [dB(A)]	83.9	-	Less Than 115.0		
L _{dn} [dB(A)]	72.8	-	-		
-	Sound Level Meter Data		-		
	Calibrate Sheet No.: Noise B 348/23				
	03 September 2023				
	SLM No.	Brand		Model	Serial No.
	ACO-B11	ACO		6236	00152079
	Actual Reading [dB]				
	Before Adjustment	After Adjustment			
	93.9	94.0			

Remark:

Standard = Nuisance Noise and Noise Level from Factory Activities, Notification of the Ministry of Industry, B.E. 2548 (2005)

Sampling Method = Sound Level Meter

Acoustic Calibrator, ACO, Model 2127, S/N. 130006

Reported results refer to measurement time only.

Do not copy partial of this measurement report without official approval.





BY022/09/66

338/12/65

Noise Level Report

Project : Asia Pet (Thailand) Co., Ltd. Sampling Date : 4-5 September 2023
Project Location : 61/1 Moo 11, Bangnga-Thaklong Road Date Reported : 18 September 2023
Tambon Kaosamorkorn, Amphur Tawung, Lopburi
Client Name/Address : Asia Pet (Thailand) Co., Ltd.
Sampling By : S.P.S. Consulting Service Co., Ltd.

Time	The South of the project boundary (S)		Standard
	L_{eq} 1 hr [dB(A)]	L_{90} [dB(A)]	
14:00-15:00	69.3	68.1	-
15:00-16:00	69.5	68.5	-
16:00-17:00	70.4	68.5	-
17:00-18:00	68.8	67.4	-
18:00-19:00	67.9	66.9	-
19:00-20:00	69.4	68.4	-
20:00-21:00	68.7	67.6	-
21:00-22:00	70.3	68.2	-
22:00-23:00	68.7	68.0	-
23:00-00:00	68.8	68.8	-
00:00-01:00	69.0	68.2	-
01:00-02:00	70.6	67.8	-
02:00-03:00	68.0	67.1	-
03:00-04:00	69.5	67.6	-
04:00-05:00	68.4	67.5	-
05:00-06:00	70.1	68.4	-
06:00-07:00	70.2	69.8	-
07:00-08:00	70.1	70.1	-
08:00-09:00	70.3	69.7	-
09:00-10:00	70.6	68.6	-
10:00-11:00	69.0	67.9	-
11:00-12:00	69.7	68.1	-
12:00-13:00	68.7	67.8	-
13:00-14:00	69.3	64.6	-
L_{eq} 24 hr [dB(A)]	69.5	-	Less Than 70.0
L_{max} [dB(A)]	96.8	-	Less Than 115.0
L_{dn} [dB(A)]	75.8	-	-
-	Sound Level Meter Data		
	Calibrate Sheet No.: Noise B 348/23		03 September 2023
	SLM No.	Brand	Model Serial No.
	ACO-B27	ACO	6236 00182008
	Actual Reading [dB]		
	Before Adjustment	After Adjustment	
94.0		94.0	

Remark:

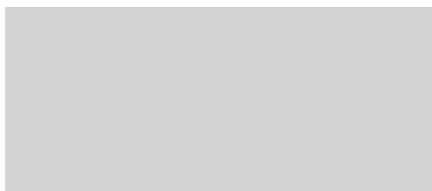
Standard = Nuisance Noise and Noise Level from Factory Activities, Notification of the Ministry of Industry, B.E. 2548 (2005)

Sampling Method = Sound Level Meter

Acoustic Calibrator, ACO, Model 2127, S/N. 130006

Reported results refer to measurement time only.

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Noise Level Report

Project : Asia Pet (Thailand) Co., Ltd. Sampling Date : 4-5 September 2023
Project Location : 61/1 Moo 11, Bangnga-Thaklong Road Date Reported : 18 September 2023
Tambon Kaosamorkorn, Amphur Tawung, Lopburi
Client Name/Address : Asia Pet (Thailand) Co., Ltd.
Sampling By : S.P.S. Consulting Service Co., Ltd.

Time	The West of the project boundary (W)		Standard
	L_{eq} 1 hr [dB(A)]	L_{90} [dB(A)]	
14:00-15:00	66.4	58.7	-
15:00-16:00	65.6	57.3	-
16:00-17:00	59.8	56.7	-
17:00-18:00	60.3	57.6	-
18:00-19:00	64.2	59.3	-
19:00-20:00	61.8	58.1	-
20:00-21:00	63.1	57.8	-
21:00-22:00	58.5	56.1	-
22:00-23:00	58.3	56.4	-
23:00-00:00	57.2	55.9	-
00:00-01:00	56.7	55.6	-
01:00-02:00	56.4	55.3	-
02:00-03:00	57.4	55.5	-
03:00-04:00	57.2	55.9	-
04:00-05:00	59.4	57.4	-
05:00-06:00	61.4	58.2	-
06:00-07:00	58.9	56.6	-
07:00-08:00	57.9	56.0	-
08:00-09:00	61.4	56.0	-
09:00-10:00	60.6	56.2	-
10:00-11:00	61.2	56.5	-
11:00-12:00	59.9	55.7	-
12:00-13:00	56.4	54.7	-
13:00-14:00	57.1	55.0	-
L_{eq} 24 hr [dB(A)]	60.9	-	Less Than 70.0
L_{max} [dB(A)]	97.6	-	Less Than 115.0
L_{dn} [dB(A)]	65.5	-	-
-	Sound Level Meter Data		
	Calibrate Sheet No.: Noise B 348/23		03 September 2023
	SLM No.	Brand	Model
	ACO-B08	ACO	6236
	Actual Reading [dB]		Serial No.
			00142008
-	Before Adjustment		After Adjustment
	94.0		94.0

Remark:

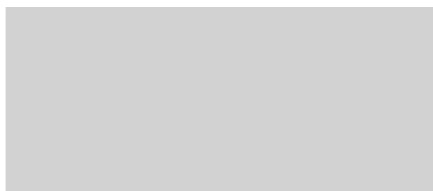
Standard = Nuisance Noise and Noise Level from Factory Activities, Notification of the Ministry of Industry, B.E. 2548 (2005)

Sampling Method = Sound Level Meter

Acoustic Calibrator, ACO, Model 2127, S/N. 130006

Reported results refer to measurement time only.

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Noise Level Report

Project : Asia Pet (Thailand) Co., Ltd. Sampling Date : 4-5 September 2023
Project Location : 61/1 Moo 11, Bangngha-Thaklong Road Date Reported : 18 September 2023
Tambon Kaosamorkorn, Amphur Tawung, Lopburi
Client Name/Address : Asia Pet (Thailand) Co., Ltd.
Sampling By : S.P.S. Consulting Service Co., Ltd.

Time	The North of the project boundary (N)		Standard
	L_{eq} 1 hr [dB(A)]	L_{90} [dB(A)]	
14:00-15:00	66.5	61.3	-
15:00-16:00	62.9	59.4	-
16:00-17:00	65.3	61.5	-
17:00-18:00	65.8	61.7	-
18:00-19:00	68.6	62.9	-
19:00-20:00	68.5	64.1	-
20:00-21:00	65.8	62.0	-
21:00-22:00	64.4	61.7	-
22:00-23:00	64.9	62.0	-
23:00-00:00	64.8	61.9	-
00:00-01:00	63.1	62.0	-
01:00-02:00	63.2	61.8	-
02:00-03:00	64.0	61.8	-
03:00-04:00	64.9	62.1	-
04:00-05:00	68.9	65.4	-
05:00-06:00	69.3	62.6	-
06:00-07:00	63.8	60.8	-
07:00-08:00	62.0	60.4	-
08:00-09:00	62.6	60.0	-
09:00-10:00	63.5	58.8	-
10:00-11:00	65.1	59.3	-
11:00-12:00	66.1	58.7	-
12:00-13:00	64.1	61.7	-
13:00-14:00	63.3	61.9	-
L_{eq} 24 hr [dB(A)]	65.6	-	Less Than 70.0
L_{max} [dB(A)]	97.9	-	Less Than 115.0
L_{dn} [dB(A)]	72.2	-	-
-	Sound Level Meter Data		
	Calibrate Sheet No.: Noise B 348/23		03 September 2023
	SLM No.	Brand	Model Serial No.
	ACO-B34	ACO	6236 00192025
	Actual Reading [dB]		
	Before Adjustment		After Adjustment
94.0		94.0	

Remark:

Standard = Nuisance Noise and Noise Level from Factory Activities, Notification of the Ministry of Industry, B.E. 2548 (2005)

Sampling Method = Sound Level Meter

Acoustic Calibrator, ACO, Model 2127, S/N. 130006

Reported results refer to measurement time only.

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Noise Level Report

Project : Asia Pet (Thailand) Co., Ltd. Sampling Date : 4-5 September 2023
Project Location : 61/1 Moo 11, Bangnga-Thaklong Road Date Reported : 18 September 2023
Tambon Kaosamorkorn, Amphur Tawung, Lopburi
Client Name/Address : Asia Pet (Thailand) Co., Ltd.
Sampling By : S.P.S. Consulting Service Co., Ltd.

Time	Khao Samo Khon Public Health Center			Standard
	L_{eq} 1 hr [dB(A)]		L_{90} [dB(A)]	
12:00-13:00	56.4		49.0	-
13:00-14:00	56.0		48.0	-
14:00-15:00	56.6		49.3	-
15:00-16:00	55.3		47.2	-
16:00-17:00	55.5		46.9	-
17:00-18:00	55.8		48.5	-
18:00-19:00	55.8		47.7	-
19:00-20:00	55.0		47.5	-
20:00-21:00	54.2		48.9	-
21:00-22:00	52.5		48.2	-
22:00-23:00	53.9		50.9	-
23:00-00:00	51.5		48.9	-
00:00-01:00	50.1		47.6	-
01:00-02:00	49.6		46.7	-
02:00-03:00	49.8		47.2	-
03:00-04:00	51.4		48.9	-
04:00-05:00	50.6		46.4	-
05:00-06:00	51.8		46.6	-
06:00-07:00	56.0		48.3	-
07:00-08:00	56.4		47.9	-
08:00-09:00	54.9		46.5	-
09:00-10:00	56.3		47.0	-
10:00-11:00	55.4		47.2	-
11:00-12:00	54.6		47.4	-
L_{eq} 24 hr [dB(A)]	54.5		-	Less Than 70.0
L_{max} [dB(A)]	96.1		-	Less Than 115.0
L_{dn} [dB(A)]	59.2		-	-
-	Sound Level Meter Data			-
	Calibrate Sheet No.: Noise B 348 1/23			
	03 September 2023			
	SLM No.	Brand	Model	
	CR-B03	Cirrus	CR161B	
	Serial No.		G301155	
	Actual Reading [dB]			
Before Adjustment		After Adjustment		
94.0		94.0		

Remark:

Standard = Community Noise Standards, Notification of the National Environment Board, No. 15, B.E. 2540 (1997)

Sampling Method = Sound Level Meter

Acoustic Calibrator, CIRRUS, Model CR515, S/N. 92002

Reported results refer to measurement time only.

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Noise Level Report

Project : Asia Pet (Thailand) Co., Ltd. Sampling Date : 4-5 September 2023
Project Location : 61/1 Moo 11, Bangnga-Thaklong Road Date Reported : 18 September 2023
Tambon Kaosamorkorn, Amphur Tawung, Lopburi
Client Name/Address : Asia Pet (Thailand) Co., Ltd.
Sampling By : S.P.S. Consulting Service Co., Ltd.

Time	Tham Khao Tak School			Standard	
	L_{eq} 1 hr [dB(A)]		L_{90} [dB(A)]		
12:00-13:00	52.6		44.4	-	
13:00-14:00	52.0		43.0	-	
14:00-15:00	51.7		44.5	-	
15:00-16:00	54.4		46.4	-	
16:00-17:00	54.0		45.9	-	
17:00-18:00	55.7		47.0	-	
18:00-19:00	53.0		44.8	-	
19:00-20:00	54.1		49.6	-	
20:00-21:00	55.6		50.0	-	
21:00-22:00	51.9		49.7	-	
22:00-23:00	51.0		48.3	-	
23:00-00:00	48.6		47.1	-	
00:00-01:00	48.1		45.5	-	
01:00-02:00	45.8		44.2	-	
02:00-03:00	47.5		46.0	-	
03:00-04:00	52.4		51.0	-	
04:00-05:00	53.6		51.7	-	
05:00-06:00	52.3		49.5	-	
06:00-07:00	51.5		46.5	-	
07:00-08:00	55.1		46.1	-	
08:00-09:00	55.1		46.5	-	
09:00-10:00	53.8		44.4	-	
10:00-11:00	53.4		44.6	-	
11:00-12:00	53.5		45.2	-	
L_{eq} 24 hr [dB(A)]	53.0		-	Less Than 70.0	
L_{max} [dB(A)]	88.3		-	Less Than 115.0	
L_{dn} [dB(A)]	57.8		-	-	
-	Sound Level Meter Data			-	
	Calibrate Sheet No.: Noise B 348 1/23		03 September 2023		
	SLM No.	Brand	Model		Serial No.
	CR-B05	Cirrus	CR161B		G301134
	Actual Reading [dB]				
	Before Adjustment		After Adjustment		
	94.0		94.0		

Remark:

Standard = Community Noise Standards, Notification of the National Environment Board, No. 15, B.E. 2540 (1997)
Sampling Method = Sound Level Meter
Acoustic Calibrator, CIRRUS, Model CR515, S/N. 92002

Reported results refer to measurement time only.

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Nuisance Noise Level Report

Project : Asia Pet (Thailand) Co., Ltd. Sampling Date : 4-5 September 2023
Project Location : 61/1 Moo 11, Bangngha-Thaklong Road Date Reported : 18 September 2023
Tambon Kaosamorkorn, Amphur Tawung, Lopburi
Client Name/Address : Asia Pet (Thailand) Co., Ltd.
Sampling By : S.P.S. Consulting Service Co., Ltd.

Time	Khao Samo Khon Public Health Center				
	Source Of Noise Level L_{eq} [dB(A)]	Residual Noise Level** L_{eq} [dB(A)]	Specific Noise Level L_{eq} [dB(A)]	Background Noise Level** L_{90} [dB(A)]	Nuisance Noise Level [dB(A)]
12:00-12:05	57.0	54.8	56.0	50.1	5.9
12:05-12:10	57.9	54.8	58.0	50.1	7.9
12:10-12:15	54.1	54.8	*	50.1	*
12:15-12:20	57.6	54.8	57.4	50.1	7.3
12:20-12:25	54.9	54.8	41.5	50.1	-8.6
12:25-12:30	56.6	54.8	54.9	50.1	4.8
12:30-12:35	57.3	54.8	56.7	50.1	6.6
12:35-12:40	56.1	54.8	53.2	50.1	3.1
12:40-12:45	56.2	54.8	53.6	50.1	3.5
12:45-12:50	56.8	54.8	55.5	50.1	5.4
12:50-12:55	56.3	54.8	54.0	50.1	3.9
12:55-13:00	54.5	54.8	*	50.1	*
13:00-13:05	53.0	54.6	*	49.9	*
13:05-13:10	57.2	54.6	56.7	49.9	6.8
13:10-13:15	55.5	54.6	51.2	49.9	1.3
13:15-13:20	58.3	54.6	58.9	49.9	9.0
13:20-13:25	52.7	54.6	*	49.9	*
13:25-13:30	57.2	54.6	56.7	49.9	6.8
13:30-13:35	53.7	54.6	*	49.9	*
13:35-13:40	56.9	54.6	56.0	49.9	6.1
13:40-13:45	56.1	54.6	53.8	49.9	3.9
13:45-13:50	55.5	54.6	51.2	49.9	1.3
13:50-13:55	57.2	54.6	56.7	49.9	6.8
13:55-14:00	55.3	54.6	50.0	49.9	0.1
14:00-14:05	56.9	54.7	55.9	49.7	6.2
14:05-14:10	57.4	54.7	57.1	49.7	7.4
14:10-14:15	57.4	54.7	57.1	49.7	7.4
14:15-14:20	56.5	54.7	54.8	49.7	5.1
14:20-14:25	55.6	54.7	51.3	49.7	1.6
14:25-14:30	58.6	54.7	59.3	49.7	9.6
14:30-14:35	57.9	54.7	58.1	49.7	8.4
14:35-14:40	56.9	54.7	55.9	49.7	6.2
14:40-14:45	56.5	54.7	54.8	49.7	5.1
14:45-14:50	53.8	54.7	*	49.7	*
14:50-14:55	55.4	54.7	50.1	49.7	0.4
14:55-15:00	53.6	54.7	*	49.7	*
15:00-15:05	53.4	55.0	*	46.0	*
15:05-15:10	55.1	55.0	41.7	46.0	-4.3
15:10-15:15	56.2	55.0	53.0	46.0	7.0
15:15-15:20	57.0	55.0	55.7	46.0	9.7
15:20-15:25	56.2	55.0	53.0	46.0	7.0
15:25-15:30	54.7	55.0	*	46.0	*
15:30-15:35	54.7	55.0	*	46.0	*
15:35-15:40	54.9	55.0	*	46.0	*
15:40-15:45	56.9	55.0	55.4	46.0	9.4
15:45-15:50	52.4	55.0	*	46.0	*
15:50-15:55	55.8	55.0	51.1	46.0	5.1
15:55-16:00	54.5	55.0	*	46.0	*



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Nuisance Noise Level Report

Time	Khao Samo Khon Public Health Center				
	Source Of Noise Level L_{eq} [dB(A)]	Residual Noise Level** L_{eq} [dB(A)]	Specific Noise Level L_{eq} [dB(A)]	Background Noise Level** L_{90} [dB(A)]	Nuisance Noise Level [dB(A)]
16:00-16:05	52.7	56.4	*	47.7	*
16:05-16:10	54.0	56.4	*	47.7	*
16:10-16:15	53.2	56.4	*	47.7	*
16:15-16:20	54.9	56.4	*	47.7	*
16:20-16:25	58.6	56.4	57.6	47.7	9.9
16:25-16:30	57.7	56.4	54.8	47.7	7.1
16:30-16:35	54.7	56.4	*	47.7	*
16:35-16:40	55.2	56.4	*	47.7	*
16:40-16:45	54.7	56.4	*	47.7	*
16:45-16:50	56.5	56.4	43.1	47.7	-4.6
16:50-16:55	54.2	56.4	*	47.7	*
16:55-17:00	55.0	56.4	*	47.7	*
17:00-17:05	54.6	55.1	*	47.7	*
17:05-17:10	55.6	55.1	49.0	47.7	1.3
17:10-17:15	56.4	55.1	53.5	47.7	5.8
17:15-17:20	56.5	55.1	53.9	47.7	6.2
17:20-17:25	56.4	55.1	53.5	47.7	5.8
17:25-17:30	55.4	55.1	46.6	47.7	-1.1
17:30-17:35	54.7	55.1	*	47.7	*
17:35-17:40	55.4	55.1	46.6	47.7	-1.1
17:40-17:45	55.3	55.1	44.8	47.7	-2.9
17:45-17:50	56.2	55.1	52.7	47.7	5.0
17:50-17:55	57.3	55.1	56.3	47.7	8.6
17:55-18:00	54.5	55.1	*	47.7	*
18:00-18:05	57.0	54.5	56.4	47.6	8.8
18:05-18:10	57.1	54.5	56.6	47.6	9.0
18:10-18:15	57.4	54.5	57.3	47.6	9.7
18:15-18:20	56.2	54.5	54.3	47.6	6.7
18:20-18:25	56.1	54.5	54.0	47.6	6.4
18:25-18:30	57.3	54.5	57.1	47.6	9.5
18:30-18:35	56.3	54.5	54.6	47.6	7.0
18:35-18:40	53.7	54.5	*	47.6	*
18:40-18:45	53.1	54.5	*	47.6	*
18:45-18:50	53.1	54.5	*	47.6	*
18:50-18:55	53.3	54.5	*	47.6	*
18:55-19:00	55.2	54.5	49.9	47.6	2.3
19:00-19:05	53.7	55.4	*	51.8	*
19:05-19:10	52.6	55.4	*	51.8	*
19:10-19:15	53.7	55.4	*	51.8	*
19:15-19:20	53.3	55.4	*	51.8	*
19:20-19:25	53.0	55.4	*	51.8	*
19:25-19:30	52.9	55.4	*	51.8	*
19:30-19:35	51.5	55.4	*	51.8	*
19:35-19:40	54.8	55.4	*	51.8	*
19:40-19:45	52.6	55.4	*	51.8	*
19:45-19:50	52.9	55.4	*	51.8	*
19:50-19:55	59.8	55.4	60.8	51.8	9.0
19:55-20:00	58.6	55.4	58.8	51.8	7.0
20:00-20:05	57.5	53.2	58.5	48.9	9.6
20:05-20:10	56.0	53.2	55.8	48.9	6.9
20:10-20:15	55.2	53.2	53.9	48.9	5.0
20:15-20:20	53.6	53.2	46.0	48.9	-2.9
20:20-20:25	53.2	53.2	*	48.9	*
20:25-20:30	53.2	53.2	*	48.9	*
20:30-20:35	52.7	53.2	*	48.9	*



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Nuisance Noise Level Report

Time	Khao Samo Khon Public Health Center				
	Source Of Noise Level L _{eq} [dB(A)]	Residual Noise Level** L _{eq} [dB(A)]	Specific Noise Level L _{eq} [dB(A)]	Background Noise Level** L ₉₀ [dB(A)]	Nuisance Noise Level [dB(A)]
20:35-20:40	54.5	53.2	51.6	48.9	2.7
20:40-20:45	52.6	53.2	*	48.9	*
20:45-20:50	52.9	53.2	*	48.9	*
20:50-20:55	52.7	53.2	*	48.9	*
20:55-21:00	53.2	53.2	*	48.9	*
21:00-21:05	51.9	52.6	*	47.6	*
21:05-21:10	51.8	52.6	*	47.6	*
21:10-21:15	52.5	52.6	*	47.6	*
21:15-21:20	50.8	52.6	*	47.6	*
21:20-21:25	51.3	52.6	*	47.6	*
21:25-21:30	50.6	52.6	*	47.6	*
21:30-21:35	52.2	52.6	*	47.6	*
21:35-21:40	52.7	52.6	39.3	47.6	-8.3
21:40-21:45	54.3	52.6	52.4	47.6	4.8
21:45-21:50	53.3	52.6	48.0	47.6	0.4
21:50-21:55	52.7	52.6	39.3	47.6	-8.3
21:55-22:00	54.4	52.6	52.7	47.6	5.1
22:00-22:05	53.4	50.7	53.1	46.4	6.7
22:05-22:10	53.4	50.7	53.1	46.4	6.7
22:10-22:15	53.6	50.7	53.5	46.4	7.1
22:15-22:20	53.2	50.7	52.6	46.4	6.2
22:20-22:25	53.8	50.7	53.9	46.4	7.5
22:25-22:30	54.5	50.7	55.2	46.4	8.8
22:30-22:35	55.1	50.7	56.1	46.4	9.7
22:35-22:40	54.9	50.7	55.8	46.4	9.4
22:40-22:45	54.7	50.7	55.5	46.4	9.1
22:45-22:50	53.5	50.7	53.3	46.4	6.9
22:50-22:55	52.7	50.7	51.4	46.4	5.0
22:55-23:00	52.8	50.7	51.6	46.4	5.2
23:00-23:05	51.6	50.7	47.3	46.7	0.6
23:05-23:10	51.7	50.7	47.8	46.7	1.1
23:10-23:15	52.2	50.7	49.9	46.7	3.2
23:15-23:20	52.7	50.7	51.4	46.7	4.7
23:20-23:25	51.1	50.7	43.5	46.7	-3.2
23:25-23:30	51.3	50.7	45.4	46.7	-1.3
23:30-23:35	51.3	50.7	45.4	46.7	-1.3
23:35-23:40	50.1	50.7	*	46.7	*
23:40-23:45	53.1	50.7	52.4	46.7	5.7
23:45-23:50	50.7	50.7	*	46.7	*
23:50-23:55	50.4	50.7	*	46.7	*
23:55-00:00	50.5	50.7	*	46.7	*
00:00-00:05	50.1	51.1	*	48.3	*
00:05-00:10	50.6	51.1	*	48.3	*
00:10-00:15	49.6	51.1	*	48.3	*
00:15-00:20	50.0	51.1	*	48.3	*
00:20-00:25	50.3	51.1	*	48.3	*
00:25-00:30	50.0	51.1	*	48.3	*
00:30-00:35	51.0	51.1	*	48.3	*
00:35-00:40	49.7	51.1	*	48.3	*
00:40-00:45	51.5	51.1	43.9	48.3	-4.4
00:45-00:50	50.2	51.1	*	48.3	*
00:50-00:55	48.0	51.1	*	48.3	*
00:55-01:00	49.4	51.1	*	48.3	*
01:00-01:05	49.1	50.0	*	45.1	*
01:05-01:10	48.2	50.0	*	45.1	*



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Nuisance Noise Level Report

Time	Khao Samo Khon Public Health Center				
	Source Of Noise Level	Residual Noise Level**	Specific Noise Level	Background Noise Level**	Nuisance Noise Level
	L_{eq} [dB(A)]	L_{eq} [dB(A)]	L_{eq} [dB(A)]	L_{90} [dB(A)]	[dB(A)]
01:10-01:15	51.1	50.0	47.6	45.1	2.5
01:15-01:20	50.6	50.0	44.7	45.1	-0.4
01:20-01:25	48.6	50.0	*	45.1	*
01:25-01:30	50.7	50.0	45.4	45.1	0.3
01:30-01:35	50.5	50.0	43.9	45.1	-1.2
01:35-01:40	49.6	50.0	*	45.1	*
01:40-01:45	49.9	50.0	*	45.1	*
01:45-01:50	48.5	50.0	*	45.1	*
01:50-01:55	48.3	50.0	*	45.1	*
01:55-02:00	49.0	50.0	*	45.1	*
02:00-02:05	49.6	49.3	40.8	45.3	-4.5
02:05-02:10	48.7	49.3	*	45.3	*
02:10-02:15	48.9	49.3	*	45.3	*
02:15-02:20	51.2	49.3	49.7	45.3	4.4
02:20-02:25	49.8	49.3	43.2	45.3	-2.1
02:25-02:30	49.8	49.3	43.2	45.3	-2.1
02:30-02:35	49.6	49.3	40.8	45.3	-4.5
02:35-02:40	48.4	49.3	*	45.3	*
02:40-02:45	49.9	49.3	44.0	45.3	-1.3
02:45-02:50	49.3	49.3	*	45.3	*
02:50-02:55	50.3	49.3	46.4	45.3	1.1
02:55-03:00	51.1	49.3	49.4	45.3	4.1
03:00-03:05	48.8	50.9	*	45.8	*
03:05-03:10	50.3	50.9	*	45.8	*
03:10-03:15	50.6	50.9	*	45.8	*
03:15-03:20	51.2	50.9	42.4	45.8	-3.4
03:20-03:25	50.5	50.9	*	45.8	*
03:25-03:30	50.5	50.9	*	45.8	*
03:30-03:35	51.0	50.9	37.6	45.8	-8.2
03:35-03:40	51.5	50.9	45.6	45.8	-0.2
03:40-03:45	51.2	50.9	42.4	45.8	-3.4
03:45-03:50	51.8	50.9	47.5	45.8	1.7
03:50-03:55	52.1	50.9	48.9	45.8	3.1
03:55-04:00	54.6	50.9	55.2	45.8	9.4
04:00-04:05	51.8	51.4	44.2	47.2	-3.0
04:05-04:10	51.3	51.4	*	47.2	*
04:10-04:15	52.1	51.4	46.8	47.2	-0.4
04:15-04:20	50.4	51.4	*	47.2	*
04:20-04:25	50.7	51.4	*	47.2	*
04:25-04:30	51.5	51.4	38.1	47.2	-9.1
04:30-04:35	48.1	51.4	*	47.2	*
04:35-04:40	51.7	51.4	42.9	47.2	-4.3
04:40-04:45	47.9	51.4	*	47.2	*
04:45-04:50	49.4	51.4	*	47.2	*
04:50-04:55	50.0	51.4	*	47.2	*
04:55-05:00	50.0	51.4	*	47.2	*
05:00-05:05	49.9	52.6	*	47.9	*
05:05-05:10	49.0	52.6	*	47.9	*
05:10-05:15	51.5	52.6	*	47.9	*
05:15-05:20	50.3	52.6	*	47.9	*
05:20-05:25	49.9	52.6	*	47.9	*
05:25-05:30	49.5	52.6	*	47.9	*
05:30-05:35	50.6	52.6	*	47.9	*
05:35-05:40	53.1	52.6	46.5	47.9	-1.4
05:40-05:45	52.7	52.6	39.3	47.9	-8.6



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Nuisance Noise Level Report

Time	Khao Samo Khon Public Health Center				
	Source Of Noise Level L_{eq} [dB(A)]	Residual Noise Level** L_{eq} [dB(A)]	Specific Noise Level L_{eq} [dB(A)]	Background Noise Level** L_{90} [dB(A)]	Nuisance Noise Level [dB(A)]
05:45-05:50	53.4	52.6	48.7	47.9	0.8
05:50-05:55	54.5	52.6	53.0	47.9	5.1
05:55-06:00	53.2	52.6	47.3	47.9	-0.6
06:00-06:05	57.7	56.8	53.4	49.5	3.9
06:05-06:10	53.4	56.8	*	49.5	*
06:10-06:15	55.5	56.8	*	49.5	*
06:15-06:20	53.2	56.8	*	49.5	*
06:20-06:25	52.6	56.8	*	49.5	*
06:25-06:30	54.0	56.8	*	49.5	*
06:30-06:35	56.1	56.8	*	49.5	*
06:35-06:40	59.1	56.8	58.2	49.5	8.7
06:40-06:45	58.6	56.8	56.9	49.5	7.4
06:45-06:50	56.6	56.8	*	49.5	*
06:50-06:55	54.7	56.8	*	49.5	*
06:55-07:00	54.4	56.8	*	49.5	*
07:00-07:05	56.6	56.5	43.2	50.0	-6.8
07:05-07:10	59.3	56.5	59.1	50.0	9.1
07:10-07:15	58.3	56.5	56.6	50.0	6.6
07:15-07:20	56.8	56.5	48.0	50.0	-2.0
07:20-07:25	59.0	56.5	58.4	50.0	8.4
07:25-07:30	54.6	56.5	*	50.0	*
07:30-07:35	54.4	56.5	*	50.0	*
07:35-07:40	54.2	56.5	*	50.0	*
07:40-07:45	55.2	56.5	*	50.0	*
07:45-07:50	54.9	56.5	*	50.0	*
07:50-07:55	53.6	56.5	*	50.0	*
07:55-08:00	54.4	56.5	*	50.0	*
08:00-08:05	57.9	56.1	56.2	49.5	6.7
08:05-08:10	54.1	56.1	*	49.5	*
08:10-08:15	53.4	56.1	*	49.5	*
08:15-08:20	52.5	56.1	*	49.5	*
08:20-08:25	54.3	56.1	*	49.5	*
08:25-08:30	52.9	56.1	*	49.5	*
08:30-08:35	55.6	56.1	*	49.5	*
08:35-08:40	54.5	56.1	*	49.5	*
08:40-08:45	57.5	56.1	54.9	49.5	5.4
08:45-08:50	53.5	56.1	*	49.5	*
08:50-08:55	55.8	56.1	*	49.5	*
08:55-09:00	51.7	56.1	*	49.5	*
09:00-09:05	55.8	62.0	*	50.4	*
09:05-09:10	53.1	62.0	*	50.4	*
09:10-09:15	55.4	62.0	*	50.4	*
09:15-09:20	51.6	62.0	*	50.4	*
09:20-09:25	56.3	62.0	*	50.4	*
09:25-09:30	53.2	62.0	*	50.4	*
09:30-09:35	56.7	62.0	*	50.4	*
09:35-09:40	57.7	62.0	*	50.4	*
09:40-09:45	57.2	62.0	*	50.4	*
09:45-09:50	57.8	62.0	*	50.4	*
09:50-09:55	58.5	62.0	*	50.4	*
09:55-10:00	56.9	62.0	*	50.4	*
10:00-10:05	53.4	55.5	*	50.6	*
10:05-10:10	56.2	55.5	50.9	50.6	0.3
10:10-10:15	56.8	55.5	53.9	50.6	3.3
10:15-10:20	57.2	55.5	55.3	50.6	4.7



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Nuisance Noise Level Report

Time	Khao Samo Khon Public Health Center				
	Source Of Noise Level	Residual Noise Level**	Specific Noise Level	Background Noise Level**	Nuisance Noise Level
	L _{eq} [dB(A)]	L _{eq} [dB(A)]	L _{eq} [dB(A)]	L ₉₀ [dB(A)]	[dB(A)]
10:20-10:25	56.0	55.5	49.4	50.6	-1.2
10:25-10:30	55.4	55.5	*	50.6	*
10:30-10:35	55.1	55.5	*	50.6	*
10:35-10:40	53.1	55.5	*	50.6	*
10:40-10:45	53.9	55.5	*	50.6	*
10:45-10:50	55.0	55.5	*	50.6	*
10:50-10:55	56.0	55.5	49.4	50.6	-1.2
10:55-11:00	54.9	55.5	*	50.6	*
11:00-11:05	53.5	55.9	*	50.5	*
11:05-11:10	52.6	55.9	*	50.5	*
11:10-11:15	54.8	55.9	*	50.5	*
11:15-11:20	55.9	55.9	*	50.5	*
11:20-11:25	56.2	55.9	47.4	50.5	-3.1
11:25-11:30	53.4	55.9	*	50.5	*
11:30-11:35	53.0	55.9	*	50.5	*
11:35-11:40	53.9	55.9	*	50.5	*
11:40-11:45	55.7	55.9	*	50.5	*
11:45-11:50	56.6	55.9	51.3	50.5	0.8
11:50-11:55	52.5	55.9	*	50.5	*
11:55-12:00	53.8	55.9	*	50.5	*
-	Standard Less Than 10.0				
	Sound Level Meter Data				
	Calibrate Sheet No.: Noise B 348 1/23			03 September 2023	
	SLM No.	Brand	Model	Serial No.	
	CR-B03	Cirrus	CR161B	G301155	
	Actual Reading [dB]				
	Before Adjustment			After Adjustment	
	94.0			94.0	

Remark : * The Period of Time When the Noise Level from the Source is Less Than or Equal to the Noise Level without Disturbance.

** Background Noise Level and Residual Noise Level Sampling at Time 03:00 p.m.-03:00 p.m. on 11-12 November 2008

Standard = Nuisance Noise Level, Notification of the National Environment, Board No. 29, B.E. 2550 (2007)

Method of Measuring the Background Noise Level, Non Nuisance Noise Period Noise,

the Measuring and Calculation of Noise Level from Nuisance Period, the Calculation of Nuisance Level and Record

Nuisance Noise Measurement, Notification of the Pollution Control Board, B.E. 2565 (2022)

Dated 21 September B.E. 2565 (2022) B.E., Published in the Government Gazette on 11 November B.E. 2565 (2022)

Sampling Method = Sound Level Meter

Acoustic Calibrator, CIRRU, Model CR515, S/N. 92002

Characteristics of Noise Source

- ☒ Continuous Noise
☐ More Than One Time Per Hour
☐ One Time Per Hour
☐ Special Noise _____

Time/Area of Nuisance

- ☒ Day (06:00-22:00)
☒ Night (22:00-06:00)
☒ Silent Area Public Health Center

Conclusion

- ☐ Nuisance Noise (>10 dBA)
☒ Non Nuisance

Reported results refer to measurement time only.

Do not copy partial of this measurement report without official approval.



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Nuisance Noise Level Report

Project : Asia Pet (Thailand) Co., Ltd. Sampling Date : 4-5 September 2023
Project Location : 61/1 Moo 11, Bangngha-Thaklong Road Date Reported : 18 September 2023
Tambon Kaosamorkorn, Amphur Tawung, Lopburi
Client Name/Address : Asia Pet (Thailand) Co., Ltd.
Sampling By : S.P.S. Consulting Service Co., Ltd.

Time	Tham Khao Tak School				
	Source Of Noise Level L _{eq} [dB(A)]	Residual Noise Level** L _{eq} [dB(A)]	Specific Noise Level L _{eq} [dB(A)]	Background Noise Level** L ₉₀ [dB(A)]	Nuisance Noise Level [dB(A)]
12:00-12:05	52.1	56.6	*	49.8	*
12:05-12:10	55.8	56.6	*	49.8	*
12:10-12:15	54.2	56.6	*	49.8	*
12:15-12:20	50.3	56.6	*	49.8	*
12:20-12:25	53.8	56.6	*	49.8	*
12:25-12:30	51.8	56.6	*	49.8	*
12:30-12:35	53.0	56.6	*	49.8	*
12:35-12:40	48.5	56.6	*	49.8	*
12:40-12:45	55.5	56.6	*	49.8	*
12:45-12:50	51.2	56.6	*	49.8	*
12:50-12:55	48.0	56.6	*	49.8	*
12:55-13:00	48.4	56.6	*	49.8	*
13:00-13:05	52.1	54.6	*	46.6	*
13:05-13:10	52.5	54.6	*	46.6	*
13:10-13:15	51.5	54.6	*	46.6	*
13:15-13:20	50.7	54.6	*	46.6	*
13:20-13:25	54.5	54.6	*	46.6	*
13:25-13:30	51.3	54.6	*	46.6	*
13:30-13:35	52.4	54.6	*	46.6	*
13:35-13:40	50.7	54.6	*	46.6	*
13:40-13:45	49.6	54.6	*	46.6	*
13:45-13:50	55.3	54.6	50.0	46.6	3.4
13:50-13:55	51.0	54.6	*	46.6	*
13:55-14:00	45.6	54.6	*	46.6	*
14:00-14:05	50.6	58.0	*	43.2	*
14:05-14:10	50.5	58.0	*	43.2	*
14:10-14:15	50.3	58.0	*	43.2	*
14:15-14:20	52.0	58.0	*	43.2	*
14:20-14:25	52.8	58.0	*	43.2	*
14:25-14:30	48.1	58.0	*	43.2	*
14:30-14:35	50.2	58.0	*	43.2	*
14:35-14:40	56.5	58.0	*	43.2	*
14:40-14:45	51.3	58.0	*	43.2	*
14:45-14:50	51.0	58.0	*	43.2	*
14:50-14:55	48.8	58.0	*	43.2	*
14:55-15:00	51.1	58.0	*	43.2	*
15:00-15:05	49.5	59.0	*	49.5	*
15:05-15:10	51.3	59.0	*	49.5	*
15:10-15:15	55.7	59.0	*	49.5	*
15:15-15:20	50.5	59.0	*	49.5	*
15:20-15:25	55.7	59.0	*	49.5	*
15:25-15:30	49.3	59.0	*	49.5	*
15:30-15:35	56.4	59.0	*	49.5	*
15:35-15:40	50.8	59.0	*	49.5	*
15:40-15:45	51.7	59.0	*	49.5	*
15:45-15:50	58.9	59.0	*	49.5	*
15:50-15:55	57.4	59.0	*	49.5	*
15:55-16:00	50.8	59.0	*	49.5	*



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Nuisance Noise Level Report

Time	Tham Khao Tak School				
	Source Of Noise Level L_{eq} [dB(A)]	Residual Noise Level** L_{eq} [dB(A)]	Specific Noise Level L_{eq} [dB(A)]	Background Noise Level** L_{90} [dB(A)]	Nuisance Noise Level [dB(A)]
16:00-16:05	48.8	59.9	*	49.2	*
16:05-16:10	47.7	59.9	*	49.2	*
16:10-16:15	49.6	59.9	*	49.2	*
16:15-16:20	50.3	59.9	*	49.2	*
16:20-16:25	54.3	59.9	*	49.2	*
16:25-16:30	57.9	59.9	*	49.2	*
16:30-16:35	60.8	59.9	56.5	49.2	7.3
16:35-16:40	53.2	59.9	*	49.2	*
16:40-16:45	48.7	59.9	*	49.2	*
16:45-16:50	49.6	59.9	*	49.2	*
16:50-16:55	49.3	59.9	*	49.2	*
16:55-17:00	52.0	59.9	*	49.2	*
17:00-17:05	57.6	59.9	*	49.7	*
17:05-17:10	54.4	59.9	*	49.7	*
17:10-17:15	54.8	59.9	*	49.7	*
17:15-17:20	56.1	59.9	*	49.7	*
17:20-17:25	55.3	59.9	*	49.7	*
17:25-17:30	57.5	59.9	*	49.7	*
17:30-17:35	54.9	59.9	*	49.7	*
17:35-17:40	52.5	59.9	*	49.7	*
17:40-17:45	56.4	59.9	*	49.7	*
17:45-17:50	57.1	59.9	*	49.7	*
17:50-17:55	51.4	59.9	*	49.7	*
17:55-18:00	56.5	59.9	*	49.7	*
18:00-18:05	55.6	54.7	51.3	50.3	1.0
18:05-18:10	48.7	54.7	*	50.3	*
18:10-18:15	55.5	54.7	50.8	50.3	0.5
18:15-18:20	49.8	54.7	*	50.3	*
18:20-18:25	52.8	54.7	*	50.3	*
18:25-18:30	53.5	54.7	*	50.3	*
18:30-18:35	51.8	54.7	*	50.3	*
18:35-18:40	51.5	54.7	*	50.3	*
18:40-18:45	50.3	54.7	*	50.3	*
18:45-18:50	52.6	54.7	*	50.3	*
18:50-18:55	49.1	54.7	*	50.3	*
18:55-19:00	56.1	54.7	53.5	50.3	3.2
19:00-19:05	51.6	55.0	*	51.8	*
19:05-19:10	59.6	55.0	60.8	51.8	9.0
19:10-19:15	58.9	55.0	59.6	51.8	7.8
19:15-19:20	49.5	55.0	*	51.8	*
19:20-19:25	50.2	55.0	*	51.8	*
19:25-19:30	51.3	55.0	*	51.8	*
19:30-19:35	50.9	55.0	*	51.8	*
19:35-19:40	52.5	55.0	*	51.8	*
19:40-19:45	52.7	55.0	*	51.8	*
19:45-19:50	52.6	55.0	*	51.8	*
19:50-19:55	51.3	55.0	*	51.8	*
19:55-20:00	51.5	55.0	*	51.8	*
20:00-20:05	51.6	53.5	*	51.8	*
20:05-20:10	50.8	53.5	*	51.8	*
20:10-20:15	51.1	53.5	*	51.8	*
20:15-20:20	51.4	53.5	*	51.8	*
20:20-20:25	51.7	53.5	*	51.8	*
20:25-20:30	51.5	53.5	*	51.8	*
20:30-20:35	52.9	53.5	*	51.8	*



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Nuisance Noise Level Report

Time	Tham Khao Tak School				
	Source Of Noise Level	Residual Noise Level**	Specific Noise Level	Background Noise Level**	Nuisance Noise Level
	L_{eq} [dB(A)]	L_{eq} [dB(A)]	L_{eq} [dB(A)]	L_{90} [dB(A)]	[dB(A)]
20:35-20:40	54.0	53.5	47.4	51.8	-4.4
20:40-20:45	58.8	53.5	60.3	51.8	8.5
20:45-20:50	57.7	53.5	58.6	51.8	6.8
20:50-20:55	59.5	53.5	61.2	51.8	9.4
20:55-21:00	59.2	53.5	60.8	51.8	9.0
21:00-21:05	54.0	51.4	53.5	50.4	3.1
21:05-21:10	52.4	51.4	48.5	50.4	-1.9
21:10-21:15	53.3	51.4	51.8	50.4	1.4
21:15-21:20	52.6	51.4	49.4	50.4	-1.0
21:20-21:25	50.8	51.4	*	50.4	*
21:25-21:30	50.1	51.4	*	50.4	*
21:30-21:35	51.6	51.4	41.1	50.4	-9.3
21:35-21:40	52.2	51.4	47.5	50.4	-2.9
21:40-21:45	51.1	51.4	*	50.4	*
21:45-21:50	51.7	51.4	42.9	50.4	-7.5
21:50-21:55	49.9	51.4	*	50.4	*
21:55-22:00	50.5	51.4	*	50.4	*
22:00-22:05	50.7	51.8	*	50.3	*
22:05-22:10	49.7	51.8	*	50.3	*
22:10-22:15	49.9	51.8	*	50.3	*
22:15-22:20	50.7	51.8	*	50.3	*
22:20-22:25	49.4	51.8	*	50.3	*
22:25-22:30	49.6	51.8	*	50.3	*
22:30-22:35	51.7	51.8	*	50.3	*
22:35-22:40	51.1	51.8	*	50.3	*
22:40-22:45	49.9	51.8	*	50.3	*
22:45-22:50	55.3	51.8	55.7	50.3	5.4
22:50-22:55	50.1	51.8	*	50.3	*
22:55-23:00	48.9	51.8	*	50.3	*
23:00-23:05	49.0	51.2	*	50.2	*
23:05-23:10	48.6	51.2	*	50.2	*
23:10-23:15	50.0	51.2	*	50.2	*
23:15-23:20	48.3	51.2	*	50.2	*
23:20-23:25	48.1	51.2	*	50.2	*
23:25-23:30	48.2	51.2	*	50.2	*
23:30-23:35	48.1	51.2	*	50.2	*
23:35-23:40	48.0	51.2	*	50.2	*
23:40-23:45	47.7	51.2	*	50.2	*
23:45-23:50	47.6	51.2	*	50.2	*
23:50-23:55	47.9	51.2	*	50.2	*
23:55-00:00	50.3	51.2	*	50.2	*
00:00-00:05	50.8	52.0	*	51.1	*
00:05-00:10	48.9	52.0	*	51.1	*
00:10-00:15	48.6	52.0	*	51.1	*
00:15-00:20	48.8	52.0	*	51.1	*
00:20-00:25	48.5	52.0	*	51.1	*
00:25-00:30	46.5	52.0	*	51.1	*
00:30-00:35	46.5	52.0	*	51.1	*
00:35-00:40	47.3	52.0	*	51.1	*
00:40-00:45	49.7	52.0	*	51.1	*
00:45-00:50	46.8	52.0	*	51.1	*
00:50-00:55	46.0	52.0	*	51.1	*
00:55-01:00	45.9	52.0	*	51.1	*
01:00-01:05	45.9	52.3	*	51.6	*
01:05-01:10	46.2	52.3	*	51.6	*



BY022/09/66

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Nuisance Noise Level Report

Time	Tham Khao Tak School				
	Source Of Noise Level L _{eq} [dB(A)]	Residual Noise Level** L _{eq} [dB(A)]	Specific Noise Level L _{eq} [dB(A)]	Background Noise Level** L ₉₀ [dB(A)]	Nuisance Noise Level [dB(A)]
01:10-01:15	47.6	52.3	*	51.6	*
01:15-01:20	46.2	52.3	*	51.6	*
01:20-01:25	45.5	52.3	*	51.6	*
01:25-01:30	45.5	52.3	*	51.6	*
01:30-01:35	45.5	52.3	*	51.6	*
01:35-01:40	46.5	52.3	*	51.6	*
01:40-01:45	45.1	52.3	*	51.6	*
01:45-01:50	44.7	52.3	*	51.6	*
01:50-01:55	45.7	52.3	*	51.6	*
01:55-02:00	44.8	52.3	*	51.6	*
02:00-02:05	44.4	52.3	*	51.5	*
02:05-02:10	45.7	52.3	*	51.5	*
02:10-02:15	44.7	52.3	*	51.5	*
02:15-02:20	45.3	52.3	*	51.5	*
02:20-02:25	46.7	52.3	*	51.5	*
02:25-02:30	47.0	52.3	*	51.5	*
02:30-02:35	47.4	52.3	*	51.5	*
02:35-02:40	47.9	52.3	*	51.5	*
02:40-02:45	48.4	52.3	*	51.5	*
02:45-02:50	48.7	52.3	*	51.5	*
02:50-02:55	49.4	52.3	*	51.5	*
02:55-03:00	49.9	52.3	*	51.5	*
03:00-03:05	50.8	52.6	*	51.8	*
03:05-03:10	51.6	52.6	*	51.8	*
03:10-03:15	51.2	52.6	*	51.8	*
03:15-03:20	52.0	52.6	*	51.8	*
03:20-03:25	51.8	52.6	*	51.8	*
03:25-03:30	51.8	52.6	*	51.8	*
03:30-03:35	52.5	52.6	*	51.8	*
03:35-03:40	52.6	52.6	*	51.8	*
03:40-03:45	53.1	52.6	46.5	51.8	-5.3
03:45-03:50	53.4	52.6	48.7	51.8	-3.1
03:50-03:55	53.6	52.6	49.7	51.8	-2.1
03:55-04:00	53.4	52.6	48.7	51.8	-3.1
04:00-04:05	53.5	52.5	49.6	51.1	-1.5
04:05-04:10	53.5	52.5	49.6	51.1	-1.5
04:10-04:15	53.2	52.5	47.9	51.1	-3.2
04:15-04:20	53.3	52.5	48.6	51.1	-2.5
04:20-04:25	53.3	52.5	48.6	51.1	-2.5
04:25-04:30	53.5	52.5	49.6	51.1	-1.5
04:30-04:35	53.5	52.5	49.6	51.1	-1.5
04:35-04:40	53.6	52.5	50.1	51.1	-1.0
04:40-04:45	53.7	52.5	50.5	51.1	-0.6
04:45-04:50	53.8	52.5	50.9	51.1	-0.2
04:50-04:55	54.0	52.5	51.7	51.1	0.6
04:55-05:00	53.7	52.5	50.5	51.1	-0.6
05:00-05:05	53.8	56.2	*	51.1	*
05:05-05:10	52.8	56.2	*	51.1	*
05:10-05:15	52.4	56.2	*	51.1	*
05:15-05:20	52.4	56.2	*	51.1	*
05:20-05:25	54.5	56.2	*	51.1	*
05:25-05:30	52.2	56.2	*	51.1	*
05:30-05:35	54.6	56.2	*	51.1	*
05:35-05:40	54.0	56.2	*	51.1	*
05:40-05:45	48.8	56.2	*	51.1	*



BY022/09/66

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Nuisance Noise Level Report

Time	Tham Khao Tak School				
	Source Of Noise Level	Residual Noise Level**	Specific Noise Level	Background Noise Level**	Nuisance Noise Level
	L _{eq} [dB(A)]	L _{eq} [dB(A)]	L _{eq} [dB(A)]	L ₉₀ [dB(A)]	[dB(A)]
05:45-05:50	48.6	56.2	*	51.1	*
05:50-05:55	45.4	56.2	*	51.1	*
05:55-06:00	48.5	56.2	*	51.1	*
06:00-06:05	48.8	59.5	*	51.9	*
06:05-06:10	53.7	59.5	*	51.9	*
06:10-06:15	49.7	59.5	*	51.9	*
06:15-06:20	50.1	59.5	*	51.9	*
06:20-06:25	52.2	59.5	*	51.9	*
06:25-06:30	50.3	59.5	*	51.9	*
06:30-06:35	50.8	59.5	*	51.9	*
06:35-06:40	49.2	59.5	*	51.9	*
06:40-06:45	49.1	59.5	*	51.9	*
06:45-06:50	49.4	59.5	*	51.9	*
06:50-06:55	52.9	59.5	*	51.9	*
06:55-07:00	55.4	59.5	*	51.9	*
07:00-07:05	50.3	58.6	*	51.3	*
07:05-07:10	53.6	58.6	*	51.3	*
07:10-07:15	52.9	58.6	*	51.3	*
07:15-07:20	51.7	58.6	*	51.3	*
07:20-07:25	54.0	58.6	*	51.3	*
07:25-07:30	53.0	58.6	*	51.3	*
07:30-07:35	59.3	58.6	54.0	51.3	2.7
07:35-07:40	54.0	58.6	*	51.3	*
07:40-07:45	54.7	58.6	*	51.3	*
07:45-07:50	59.7	58.6	56.2	51.3	4.9
07:50-07:55	52.8	58.6	*	51.3	*
07:55-08:00	53.8	58.6	*	51.3	*
08:00-08:05	54.3	55.5	*	50.1	*
08:05-08:10	59.1	55.5	59.6	50.1	9.5
08:10-08:15	52.4	55.5	*	50.1	*
08:15-08:20	53.4	55.5	*	50.1	*
08:20-08:25	50.9	55.5	*	50.1	*
08:25-08:30	52.0	55.5	*	50.1	*
08:30-08:35	53.7	55.5	*	50.1	*
08:35-08:40	54.0	55.5	*	50.1	*
08:40-08:45	53.0	55.5	*	50.1	*
08:45-08:50	53.9	55.5	*	50.1	*
08:50-08:55	56.9	55.5	54.3	50.1	4.2
08:55-09:00	58.6	55.5	58.7	50.1	8.6
09:00-09:05	55.6	55.5	42.2	50.3	-8.1
09:05-09:10	55.4	55.5	*	50.3	*
09:10-09:15	53.0	55.5	*	50.3	*
09:15-09:20	49.5	55.5	*	50.3	*
09:20-09:25	52.3	55.5	*	50.3	*
09:25-09:30	55.1	55.5	*	50.3	*
09:30-09:35	50.2	55.5	*	50.3	*
09:35-09:40	52.4	55.5	*	50.3	*
09:40-09:45	58.1	55.5	57.6	50.3	7.3
09:45-09:50	52.4	55.5	*	50.3	*
09:50-09:55	51.5	55.5	*	50.3	*
09:55-10:00	51.5	55.5	*	50.3	*
10:00-10:05	51.9	57.1	*	50.6	*
10:05-10:10	50.9	57.1	*	50.6	*
10:10-10:15	53.7	57.1	*	50.6	*
10:15-10:20	50.1	57.1	*	50.6	*



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Nuisance Noise Level Report

Time	Tham Khao Tak School				
	Source Of Noise Level L _{eq} [dB(A)]	Residual Noise Level** L _{eq} [dB(A)]	Specific Noise Level L _{eq} [dB(A)]	Background Noise Level** L ₉₀ [dB(A)]	Nuisance Noise Level [dB(A)]
10:20-10:25	54.0	57.1	*	50.6	*
10:25-10:30	52.9	57.1	*	50.6	*
10:30-10:35	59.7	57.1	59.2	50.6	8.6
10:35-10:40	52.2	57.1	*	50.6	*
10:40-10:45	48.3	57.1	*	50.6	*
10:45-10:50	52.1	57.1	*	50.6	*
10:50-10:55	50.9	57.1	*	50.6	*
10:55-11:00	50.9	57.1	*	50.6	*
11:00-11:05	56.1	57.2	*	50.3	*
11:05-11:10	56.9	57.2	*	50.3	*
11:10-11:15	52.1	57.2	*	50.3	*
11:15-11:20	54.5	57.2	*	50.3	*
11:20-11:25	53.9	57.2	*	50.3	*
11:25-11:30	49.2	57.2	*	50.3	*
11:30-11:35	50.5	57.2	*	50.3	*
11:35-11:40	55.2	57.2	*	50.3	*
11:40-11:45	49.2	57.2	*	50.3	*
11:45-11:50	48.0	57.2	*	50.3	*
11:50-11:55	53.7	57.2	*	50.3	*
11:55-12:00	52.1	57.2	*	50.3	*
-	Standard Less Than 10.0				
	Sound Level Meter Data				
	Calibrate Sheet No.: Noise B 348 1/23			03 September 2023	
	SLM No.	Brand	Model	Serial No.	
	CR-B05	Cirrus	CR161B	G301134	
	Actual Reading [dB]				
	Before Adjustment			After Adjustment	
	94.0			94.0	

Remark : * The Period of Time When the Noise Level from the Source is Less Than or Equal to the Noise Level without Disturbance.

** Background Noise Level and Residual Noise Level Sampling at Time 03:00 p.m.-03:00 p.m. on 11-12 November 2008

Standard = Nuisance Noise Level, Notification of the National Environment, Board No. 29, B.E. 2550 (2007)

Method of Measuring the Background Noise Level, Non Nuisance Noise Period Noise,

the Measuring and Calculation of Noise Level from Nuisance Period, the Calculation of Nuisance Level and Record

Nuisance Noise Measurement, Notification of the Pollution Control Board, B.E. 2565 (2022)

Dated 21 September B.E. 2565 (2022) B.E., Published in the Government Gazette on 11 November B.E. 2565 (2022)

Sampling Method = Sound Level Meter

Acoustic Calibrator, CIRRU, Model CR515, S/N. 92002

Characteristics of Noise Source

- ☒ Continuous Noise
☐ More Than One Time Per Hour
☐ One Time Per Hour
☐ Special Noise _____

Time/Area of Nuisance

- ☒ Day (06:00-22:00)
☒ Night (22:00-06:00)
☒ Silent Area School

Conclusion

- ☐ Nuisance Noise (>10 dBA)
☒ Non Nuisance

Reported results refer to measurement time only.

Do not copy partial of this measurement report without official approval.

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Ref. No. W116-W117/09/23

Report No. 2309/082

338/12/65

Surface Water Quality Analysis Report

Project : Asia Pet (Thailand) Limited
Project Location : 61/1 Moo 11, Bangngha-Thakhlong Road,
Kaosamorkorn, Tawung, Lopburi
Client Name/Address : Asia Pet (Thailand) Limited
Sampling Method : Grab
Sampling by : Piraphong Suphannasri
S.P.S. Consulting Service Co., Ltd.

Sampling Date : 5 September 2023
Date Received : 6 September 2023
Date of Analysis : 6-14 September 2023
Date Reported : 15 September 2023

Parameter	Analytical Method	Station 1	Station 2	Standard
pH	Electrometric Method (4500-H ⁺ B.)	7.65	7.78	5.0-9.0
Temperature (°C)	Laboratory and Field Methods (2550 B.)	31.7	32.9	n'
Total Suspended Solids (mg/L)	Total Suspended Solids Dried at 103-105 °C (2540 D.)	17.0	13.8	-
Dissolved Oxygen (mg/L)	Azide Modification (4500-O C.)	4.5	4.7	More than 4.0
BOD ₅ (mg/L)	5 Day BOD Test (5210 B.) & Azide Modification (4500-O C.)	1.8	1.7	Less than 2.0
COD (mg/L)	Closed Reflux, Titrimetric Method (5220 C.)	38	25	-
Grease & Oil (mg/L)	Liquid-Liquid, Partition-Gravimetric Method (5520 B.)	<2	<2	-
Total Coliform Bacteria (MPN/100 mL)	Multiple-Tube Fermentation Technique (9221 B.)	4,600	2,400	Less than 20,000
Fecal Coliform Bacteria (MPN/100 mL)	Multiple-Tube Fermentation Technique (9221 E.)	1,700	680	Less than 4,000

Remark:

Sample Characteristics:

Station 1 = Khlong Bang Kham approximately 200 meter upstream of wastewater discharge point : Yellow with slightly precipitate

Station 2 = Khlong Bang Kham approximately 200 meter downstream of wastewater discharge point : Yellow with slightly precipitate

n' Temperature of water that must be not over 3 degree celsius from nature.

Standard Surface Water Quality Standards (Category 3), Notification of the National Environment Board No. 8, B.E. 2537

Method Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017.

Reported results refer to submitted samples only.

Do not copy partial of this analysis report without official approval.



----- End of Report -----



Ref. No. W376-W377/12/23

Report No. 2312/211

338/12/65

Surface Water Quality Analysis Report

Project : Asia Pet (Thailand) Limited
Project Location : 61/1 Moo 11, Bangnga-Thakhleng Road,
Kasamorkorn, Tawung, Lopburi
Client Name/Address : Asia Pet (Thailand) Limited
Sampling Method : Grab
Sampling by : Rattanakorn Yosruangsak
S.P.S. Consulting Service Co., Ltd.

Sampling Date : 13 December 2023
Date Received : 14 December 2023
Date of Analysis : 14-21 December 2023
Date Reported : 22 December 2023

Parameter	Analytical Method	Station 1	Station 2	Standard
pH	Electrometric Method (4500-H ⁺ B.)	6.93	7.10	5.0-9.0
Temperature (°C)	Laboratory and Field Methods (2550 B.)	29.4	29.8	n'
Total Suspended Solids (mg/L)	Total Suspended Solids Dried at 103-105 °C (2540 D.)	9.2	6.2	-
Dissolved Oxygen (mg/L)	Azide Modification (4500-O C.)	4.1	4.5	More than 4.0
BOD ₅ (mg/L)	5 Day BOD Test (5210 B.) & Azide Modification (4500-O C.)	1.9	1.8	Less than 2.0
COD (mg/L)	Closed Reflux, Titrimetric Method (5220 C.)	38	32	-
Grease & Oil (mg/L)	Liquid-Liquid, Partition-Gravimetric Method (5520 B.)	<2	<2	-
Total Coliform Bacteria (MPN/100 mL)	Multiple-Tube Fermentation Technique (9221 B.)	2,200	1,700	Less than 20,000
Fecal Coliform Bacteria (MPN/100 mL)	Multiple-Tube Fermentation Technique (9221 E.)	1,400	680	Less than 4,000

Remark:

Sample Characteristics:

Station 1 = Khlong Bang Kham approximately 200 meter upstream of wastewater discharge point : Yellow with slightly precipitate

Station 2 = Khlong Bang Kham approximately 200 meter downstream of wastewater discharge point : Yellow with slightly precipitate

n' Temperature of water that must be not over 3 degree celsius from nature.

Standard = Surface Water Quality Standards (Category 3), Notification of the National Environment Board No. 8, B.E. 2537

Method = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 24th Edition, 2023.

Reported results refer to submitted samples only.

Do not copy partial of this analysis report without official approval.



----- End of Report -----

คุณภาพน้ำทิ้ง



บริษัท เอส.พี.เอส. คอนซัลติ้ง เซอร์วิส จำกัด

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Tel : (662) 939-4370-72, Fax : (662) 513-4221, E-mail : sale@spscon.com., www.spscon.com

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Ref. No. W035, W034, W036/07/23

Report No. 2307/015

338/12/65

Wastewater Quality Analysis Report

Project : Asia Pet (Thailand) Co., Ltd. Sampling Date : 3 July 2023
Project Location : 61/1 Moo 11, Bangngha-Thakhleng Road, Kaosamorkorn, Date Received : 3 July 2023
Tawung, Lopburi Date of Analysis : 3-10 July 2023
Client Name/Address : Asia Pet (Thailand) Co., Ltd. Date Reported : 12 July 2023
Sampling by : Asia Pet (Thailand) Co., Ltd.

Parameter	Analytical Method	Station 1	Station 2	Station 3	Standard
Flow Rate (m ³ /hr.)***	Metering	5.50	4.00	-	-
pH	Electrometric Method (4500-H+ B.)	8.01	7.90	7.94	5.5-9.0
Total Suspended Solids (mg/L)	Total Suspended Solids Dried at 103-105 °C (2540 D.)	4.0	6.0	4.2	Less than 50
Total Dissolved Solids (mg/L)	Total Dissolved Solids Dried at 180 °C (2540 C.)	434	688	484	Less than 3,000
BOD ₅ (mg/L)	5 Day BOD Test (5210 B.) & Membrane Electrode Method (4500-O G.)	3,090	3	2	Less than 20
COD (mg/L)	Closed Reflux, Titrimetric Method (5220 C.)	6,394	51	29	Less than 120
TKN (mg/L)	Macro-Kjeldahl Method (4500-N _{org} B.) & Titrimetric Method (4500-NH ₃ C.)	6.0	7.8	5.4	Less than 100
Grease & Oil (mg/L)	Liquid-Liquid, Partition-Gravimetric Method (5520 B.)	<2	<2	<2	Less than 5
Fecal Coliform Bacteria (MPN/100 mL)	Multiple-Tube Fermentation Technique (9221 E.)	<1.8	940	130	-

Remark:

Sample Characteristics:

Station 1 = Wastewater Influent of Central Treatment Plant at Equalization Tank : Yellow with moderately precipitate

Station 2 = Wastewater Effluent at Chlorine Contact Tank before Discharge : Yellow with moderately precipitate

Station 3 = Sewer Line (Existing Earth Ditch) after Wastewater Receiving Point : Yellow with moderately precipitate

*** Measured by Asia Pet (Thailand) Co., Ltd.

Standard = Industrial Effluent Standards, Notification of the Ministry of Industry B.E. 2560

Method = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017.

Reported results refer to submitted samples only.

Do not copy partial of this analysis report without official approval.



----- End of Report -----



Ref. No. W239-W241/08/23

Report No. 2308/096

338/12/65

Wastewater Quality Analysis Report

Project : Asia Pet (Thailand) Co., Ltd. Sampling Date : 7 August 2023
Project Location : 61/1 Moo 11, Bangngpha-Thakhleng Road, Kaosamorkorn, Date Received : 7 August 2023
Tawung, Lopburi Date of Analysis : 7-16 August 2023
Client Name/Address : Asia Pet (Thailand) Co., Ltd. Date Reported : 17 August 2023
Sampling by : Asia Pet (Thailand) Co., Ltd.

Parameter	Analytical Method	Station 1	Station 2	Station 3	Standard
Flow Rate (m ³ /hr.)***	Metering	5.50	4.00	-	-
pH	Electrometric Method (4500-H ⁺ B.)	6.51	7.64	7.54	5.5-9.0
Total Suspended Solids (mg/L)	Total Suspended Solids Dried at 103-105 °C (2540 D.)	4.1	9.0	5.2	Less than 50
Total Dissolved Solids (mg/L)	Total Dissolved Solids Dried at 180 °C (2540 C.)	370	514	432	Less than 3,000
BOD ₅ (mg/L)	5 Day BOD Test (5210 B.) & Membrane Electrode Method (4500-O G.)	3,986	9	4	Less than 20
COD (mg/L)	Closed Reflux, Titrimetric Method (5220 C.)	7,649	57	45	Less than 120
TKN (mg/L)	Macro-Kjeldahl Method (4500-N _{org} B.) & Titrimetric Method (4500-NH ₃ C.)	5.5	9.6	7.9	Less than 100
Grease & Oil (mg/L)	Liquid-Liquid, Partition-Gravimetric Method (5520 B.)	<2	<2	<2	Less than 5
Fecal Coliform Bacteria (MPN/100 mL)	Multiple-Tube Fermentation Technique (9221 E.)	<1.8	790	3,300	-

Remark:

Sample Characteristics:

Station 1 = Wastewater Influent of Central Treatment Plant at Equalization Tank : Yellow with slightly precipitate

Station 2 = Wastewater Effluent at Chlorine Contact Tank before Discharge : Slightly precipitate

Station 3 = Sewer Line (Existing Earth Ditch) after Wastewater Receiving Point : Slightly precipitate

*** Measured by Asia Pet (Thailand) Co., Ltd.

Standard = Industrial Effluent Standards, Notification of the Ministry of Industry B.E. 2560

Method = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017.

Reported results refer to submitted samples only.

Do not copy partial of this analysis report without official approval.



----- End of Report -----



Ref. No. W060-W062/09/23

Report No. 2309/034

338/12/65

Wastewater Quality Analysis Report

Project : Asia Pet (Thailand) Co., Ltd.

Sampling Date : 4 September 2023

Project Location : 61/1 Moo 11, Bangnga-Thaklong Road, Kaosamorkorn,
Tawung, Lopburi

Date Received : 4 September 2023

Date of Analysis : 4 -12 September 2023

Client Name/Address : Asia Pet (Thailand) Co., Ltd.

Date Reported : 13 September 2023

Sampling by : Asia Pet (Thailand) Co., Ltd.

Parameter	Analytical Method	Station 1	Station 2	Station 3	Standard
Flow Rate (m ³ /hr.)***	Metering	5.50	4.00	-	-
pH	Electrometric Method (4500-H ⁺ B.)	6.84	7.51	7.62	5.5-9.0
Total Suspended Solids (mg/L)	Total Suspended Solids Dried at 103-105 °C (2540 D.)	4.1	8.8	4.0	Less than 50
Total Dissolved Solids (mg/L)	Total Dissolved Solids Dried at 180 °C (2540 C.)	354	440	428	Less than 3,000
BOD ₅ (mg/L)	5 Day BOD Test (5210 B.) & Membrane Electrode Method (4500-O G.)	2,745	7	5	Less than 20
COD (mg/L)	Closed Reflux, Titrimetric Method (5220 C.)	6,031	51	38	Less than 120
TKN (mg/L)	Macro-Kjeldahl Method (4500-N _{org} B.) & Titrimetric Method (4500-NH ₃ C.)	3.8	5.1	4.0	Less than 100
Grease & Oil (mg/L)	Liquid-Liquid, Partition-Gravimetric Method (5520 B.)	<2	<2	<2	Less than 5
Fecal Coliform Bacteria (MPN/100 mL)	Multiple-Tube Fermentation Technique (9221 E.)	<1.8	330	490	-

Remark:

Sample Characteristics:

Station 1 = Wastewater Influent of Central Treatment Plant at Equalization Tank : Yellow with slightly precipitate

Station 2 = Wastewater Effluent at Chlorine Contact Tank before Discharge : Slightly precipitate

Station 3 = Sewer Line (Existing Earth Ditch) after Wastewater Receiving Point : Slightly precipitate

*** Measured by Asia Pet (Thailand) Co., Ltd.

Standard = Industrial Effluent Standards, Notification of the Ministry of Industry B.E. 2560

Method = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017.

Reported results refer to submitted samples only.

Do not copy partial of this analysis report without official approval.



----- End of Report -----



Ref. No. W013-W015/10/23

Report No. 2310/008

338/12/65

Wastewater Quality Analysis Report

Project : Asia Pet (Thailand) Co., Ltd. Sampling Date : 2 October 2023
Project Location : 61/1 Moo 11, Bangngha-Thakhleng Road, Kaosamorkorn, Tawung, Lopburi Date Received : 2 October 2023
Client Name/Address : Asia Pet (Thailand) Co., Ltd. Date of Analysis : 2-10 October 2023
Sampling by : Asia Pet (Thailand) Co., Ltd. Date Reported : 11 October 2023

Parameter	Analytical Method	Station 1	Station 2	Station 3	Standard
Flow Rate* (m ³ /hr.)	Metering	5.50	4.00	-	-
pH	Electrometric Method (4500-H ⁺ B.)	7.22	7.37	7.11	5.5-9.0
Total Suspended Solids (mg/L)	Total Suspended Solids Dried at 103-105 °C (2540 D.)	3.5	6.3	5.8	Less than 50
Total Dissolved Solids (mg/L)	Total Dissolved Solids Dried at 180 °C (2540 C.)	228	592	328	Less than 3,000
BOD ₅ (mg/L)	5 Day BOD Test (5210 B.) & Membrane Electrode Method (4500-O G.)	3,680	8	5	Less than 20
COD (mg/L)	Closed Reflux, Titrimetric Method (5220 C.)	8,571	64	32	Less than 120
TKN (mg/L)	Macro-Kjeldahl Method (4500-N _{org} B.) & Titrimetric Method (4500-NH ₃ C.)	6.6	7.4	5.1	Less than 100
Grease & Oil (mg/L)	Liquid-Liquid, Partition-Gravimetric Method (5520 B.)	<2	<2	<2	Less than 5
Fecal Coliform Bacteria (MPN/100 mL)	Multiple-Tube Fermentation Technique (9221 E.)	<1.8	1,300	2,400	-

Remark:

Sample Characteristics:

Station 1 = Wastewater Influent of Central Treatment Plant at Equalization Tank : Yellow with slightly precipitate

Station 2 = Wastewater Effluent at Chlorine Contact Tank before Discharge : Yellow with slightly precipitate

Station 3 = Sewer Line (Existing Earth Ditch) after Wastewater Receiving Point : Yellow with slightly precipitate

* Measured by Asia Pet (Thailand) Co., Ltd.

Standard = Industrial Effluent Standards, Notification of the Ministry of Industry B.E. 2560

Method = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 23rd Edition, 2017.

Reported results refer to submitted samples only.

Do not copy partial of this analysis report without official approval.



----- End of Report -----



Ref. No. W120-W122/11/23

Report No. 2311/105

338/12/65

Wastewater Quality Analysis Report

Project : Asia Pet (Thailand) Co., Ltd.

Sampling Date : 6 November 2023

Project Location : 61/1 Moo 11, Bangngha-Thakhleng Road, Kaosamorkorn
Tawung, Lopburi

Date Received : 6 November 2023

Date of Analysis : 6-14 November 2023

Client Name/Address : Asia Pet (Thailand) Co., Ltd.

Date Reported : 15 November 2023

Sampling by : Asia Pet (Thailand) Co., Ltd.

Parameter	Analytical Method	Station 1	Station 2	Station 3	Standard
Flow Rate (m ³ /hr.)*	Metering	5.50	4.00	-	-
pH	Electrometric Method (4500-H ⁺ B.)	6.90	7.85	7.43	5.5-9.0
Total Suspended Solids (mg/L)	Total Suspended Solids Dried at 103-105 °C (2540 D.)	4.0	8.8	5.2	Less than 50
Total Dissolved Solids (mg/L)	Total Dissolved Solids Dried at 180 °C (2540 C.)	348	422	304	Less than 3,000
BOD ₅ (mg/L)	5 Day BOD Test (5210 B.) & Membrane Electrode Method (4500-O G.)	2,550	9	5	Less than 20
COD (mg/L)	Closed Reflux, Titrimetric Method (5220 C.)	5,079	57	38	Less than 120
TKN (mg/L)	Macro-Kjeldahl Method (4500-N _{org} B.) & Titrimetric Method (4500-NH ₃ C.)	3.9	5.0	4.3	Less than 100
Grease & Oil (mg/L)	Liquid-Liquid, Partition-Gravimetric Method (5520 B.)	<2	<2	<2	Less than 5
Fecal Coliform Bacteria (MPN/100 mL)	Multiple-Tube Fermentation Technique (9221 E.)	<1.8	790	1,700	-

Remark:

Sample Characteristics:

Station 1 = Wastewater Influent of Central Treatment Plant at Equalization Tank

: Yellow with slightly precipitate

Station 2 = Wastewater Effluent at Chlorine Contact Tank before Discharge

: Yellow with slightly precipitate

Station 3 = Sewer Line (Existing Earth Ditch) after Wastewater Receiving Point

: Yellow with slightly precipitate

* Measured by Asia Pet (Thailand) Co., Ltd.

Standard = Industrial Effluent Standards, Notification of the Ministry of Industry B.E. 2560

Method = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 24th Edition, 2023.

Reported results refer to submitted samples only.

Do not copy partial of this analysis report without official approval.

----- End of Report -----



Ref. No. W551-W553/12/23

Report No. 2312/321

338/12/65

Wastewater Quality Analysis Report

Project : Asia Pet (Thailand) Co., Ltd. Sampling Date : 18 December 2023
Project Location : 61/1 Moo 11, Bangngha-Thakhleng Road, Kaosamorkorn, Date Received : 18 December 2023
Tawung, Lopburi Date of Analysis : 18-26 December 2023
Client Name/Address : Asia Pet (Thailand) Co., Ltd. Date Reported : 27 December 2023
Sampling by : Asia Pet (Thailand) Co., Ltd.

Parameter	Analytical Method	Station 1	Station 2	Station 3	Standard
Flow Rate (m ³ /hr.)*	Metering	5.50	4.00	-	-
pH	Electrometric Method (4500-H ⁺ B.)	6.72	7.30	7.08	5.5-9.0
Total Suspended Solids (mg/L)	Total Suspended Solids Dried at 103-105 °C (2540 D.)	3.7	6.6	4.2	Less than 50
Total Dissolved Solids (mg/L)	Total Dissolved Solids Dried at 180 °C (2540 C.)	258	378	278	Less than 3,000
BOD ₅ (mg/L)	5 Day BOD Test (5210 B.) & Membrane Electrode Method (4500-O G.)	2,020	7	5	Less than 20
COD (mg/L)	Closed Reflux, Titrimetric Method (5220 C.)	4,762	51	32	Less than 120
TKN (mg/L)	Macro-Kjeldahl Method (4500-N _{org} B.) & Titrimetric Method (4500-NH ₃ C.)	3.5	5.6	4.6	Less than 100
Grease & Oil (mg/L)	Liquid-Liquid, Partition-Gravimetric Method (5520 B.)	<2	<2	<2	Less than 5
Fecal Coliform Bacteria (MPN/100 mL)	Multiple-Tube Fermentation Technique (9221 E.)	<1.8	490	790	-

Remark:

Sample Characteristics:

Station 1 = Wastewater Influent of Central Treatment Plant at Equalization Tank : Yellow with slightly precipitate
Station 2 = Wastewater Effluent at Chlorine Contact Tank before Discharge : Yellow with slightly precipitate
Station 3 = Sewer Line (Existing Earth Ditch) after Wastewater Receiving Point : Clear

* Measured by Asia Pet (Thailand) Co., Ltd.

Standard = Industrial Effluent Standards, Notification of the Ministry of Industry B.E. 2560

Method = Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 24th Edition, 2023.

Reported results refer to submitted samples only.

Do not copy partial of this analysis report without official approval.



----- End of Report -----

คุณภาพอากาศในสถานประกอบการ



Ref. No. A040-A041/09/23

Report No. 2309/083

338/12/65

Workplace Air Quality Analysis Report

Project : Asia Pet (Thailand) Limited
Project Location : 61/1 Moo 11, Bangngha-Thakhleng Road, Kaosamorkorn, Tawung, Lopburi
Client Name/Address : Asia Pet (Thailand) Limited
Sampling by : Adul Dangklom
S.P.S. Consulting Service Co., Ltd.

Sampling Date : 5 September 2023
Date Received : 6 September 2023
Date of Analysis : 6-18 September 2023
Date Reported : 20 September 2023

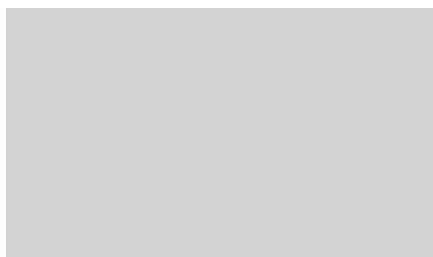
Parameter	Sampling Method	Analytical Method	EG Storage Tank Area	EG Daily Tank Area	Standard
Ethylene Glycol (mg/m ³)	Sorbent Tube	GC/FID Method (NIOSH 5523)	<0.03	<0.03	100

Remark:

Standard = Threshold Limit Values for Chemical Substances, Notification of the Department of Labour Protection and Welfare, B.E. 2560 (Ceiling Limit)

Reported results refer to submitted samples only.

Do not copy partial of this analysis report without official approval.



----- End of Report -----



Ref. No. A042-A044/09/23

Report No. 2309/083

338/12/65

Workplace Air Quality Analysis Report

Project : Asia Pet (Thailand) Limited
Project Location : 61/1 Moo 11, Bangnga-Thakhleng Road, Kaosamorkorn, Tawung, Lopburi
Client Name/Address : Asia Pet (Thailand) Limited
Sampling by : Adul Dangklom
S.P.S. Consulting Service Co., Ltd.

Sampling Date : 5 September 2023
Date Received : 6 September 2023
Date of Analysis : 6-18 September 2023
Date Reported : 20 September 2023

Parameter	Sampling Method	Analytical Method	CP1-Building			Standard
			Station 1	Station 2	Station 3	
Acetaldehyde (ppm)	Sorbent Tube	GC/FID Method (NIOSH 2538)	<0.01	<0.01	<0.01	200

Remark:

Station 1 = CP Building 1st Floor (+0.00 m)

Station 2 = CP Building 2nd Floor (+7.00 m)

Station 3 = CP Building 3rd Floor (+14.00 m)

Standard = Threshold Limit Values for Chemical Substances, Notification of the Department of Labour Protection and Welfare, B.E. 2560 (TWA)

Reported results refer to submitted samples only.

Do not copy partial of this analysis report without official approval.



----- End of Report -----



Ref. No. A045-A047/09/23

Report No. 2309/083

338/12/65

Workplace Air Quality Analysis Report

Project : Asia Pet (Thailand) Limited
Project Location : 61/1 Moo 11, Bangnga-Thakhleng Road, Kaosamorkorn, Tawung, Lopburi
Client Name/Address : Asia Pet (Thailand) Limited
Sampling by : Adul Dangklom
S.P.S. Consulting Service Co., Ltd.

Sampling Date : 5 September 2023
Date Received : 6 September 2023
Date of Analysis : 6-18 September 2023
Date Reported : 20 September 2023

Parameter	Sampling Method	Analytical Method	CP2-Building			Standard
			Station 1	Station 2	Station 3	
Acetaldehyde (ppm)	Sorbent Tube	GC/FID Method (NIOSH 2538)	<0.01	<0.01	<0.01	200

Remark:

Station 1 = CP Building 1st Floor

Station 2 = CP Building 2nd Floor

Station 3 = CP Building 3rd Floor

Standard = Threshold Limit Values for Chemical Substances, Notification of the Department of Labour Protection and Welfare, B.E. 2560 (TWA)

Reported results refer to submitted samples only.

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----- End of Report -----



บริษัท เอส.พี.เอส. คอนซัลติ้ง เซอร์วิส จำกัด
S.P.S. CONSULTING SERVICE CO., LTD.
 7 ซอยพหลโยธิน 24 ถนนพหลโยธิน แขวงจอมพล เขตจตุจักร กรุงเทพฯ 10900
 7 Soi Phaholyothin 24, Phaholyothin Rd., Jompol, Chatuchak, Bangkok 10900
 Tel : (662) 939-4370-72, Fax : (662) 513-4221, E-mail : sale@spscon.com., www.spscon.com

Ref. No. A095-A097/12/23

Report No. 2312/210

338/12/65

Workplace Air Quality Analysis Report

Project : Asia Pet (Thailand) Limited
 Project Location : 61/1 Moo 11, Bangngha-Thakhleng Road,
 Kaosamorkorn, Tawung, Lopburi
 Client Name/Address : Asia Pet (Thailand) Limited
 Sampling by : Rattanakorn Yosruangsak
 S.P.S. Consulting Service Co., Ltd.

Sampling Date : 13 December 2023
 Date Received : 14 December 2023
 Date of Analysis : 14-26 December 2023
 Date Reported : 27 December 2023

Parameter	Sampling Method	Analytical Method	CP1-Building			Standard
			Station 1	Station 2	Station 3	
Acetaldehyde (ppm)	Sorbent Tube	GC/FID Method (NIOSH 2538)	<0.01	<0.01	<0.01	200

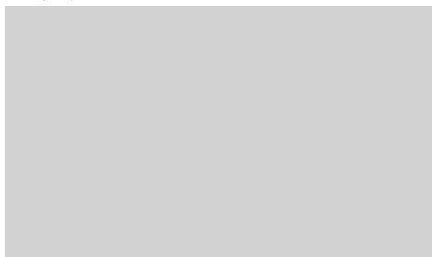
Remark:

Station 1 = CP Building 1st Floor (+0.00 m)Station 2 = CP Building 2nd Floor (+7.00 m)Station 3 = CP Building 3rd Floor (+14.00 m)

Standard = Threshold Limit Values for Chemical Substances, Notification of the Department of Labour Protection and Welfare, B.E. 2560 (TWA)

Reported results refer to submitted samples only.

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----- End of Report -----



บริษัท เอส.พี.เอส. คอนซัลติ้ง เซอร์วิส จำกัด
S.P.S. CONSULTING SERVICE CO., LTD.
 7 ซอยพหลโยธิน 24 ถนนพหลโยธิน แขวงจอมพล เขตจตุจักร กรุงเทพฯ 10900
 7 Soi Phaholyothin 24, Phaholyothin Rd., Jompol, Chatuchak, Bangkok 10900
 Tel : (662) 939-4370-72, Fax : (662) 513-4221, E-mail : sale@spscon.com., www.spscon.com

Ref. No. A098-A100/12/23

Report No. 2312/210

338/12/65

Workplace Air Quality Analysis Report

Project : Asia Pet (Thailand) Limited
 Project Location : 61/1 Moo 11, Bangngha-Thakhleng Road,
 Kaosamorkorn, Tawung, Lopburi
 Client Name/Address : Asia Pet (Thailand) Limited
 Sampling by : Rattanakorn Yosruangsak
 S.P.S. Consulting Service Co., Ltd.

Sampling Date : 13 December 2023
 Date Received : 14 December 2023
 Date of Analysis : 14-26 December 2023
 Date Reported : 27 December 2023

Parameter	Sampling Method	Analytical Method	CP2-Building			Standard
			Station 1	Station 2	Station 3	
Acetaldehyde (ppm)	Sorbent Tube	GC/FID Method (NIOSH 2538)	<0.01	<0.01	<0.01	200

Remark:

Station 1 = CP Building 1st FloorStation 2 = CP Building 2nd FloorStation 3 = CP Building 3rd Floor

Standard = Threshold Limit Values for Chemical Substances, Notification of the Department of Labour Protection and Welfare, B.E. 2560 (TWA)

Reported results refer to submitted samples only.

Do not copy partial of this analysis report without official approval.



----- End of Report -----

ระดับเสียงในสถานประกอบการ



BY023/09/66

338/12/65

Noise Level Report

Project : Asia Pet (Thailand) Co., Ltd. Sampling Date : 5 September 2023
Project Location : 61/1 Moo 11, Bangngha-Thaklong Road Date Reportec : 12 September 2023
Tampon Kaosamorkorn, Amphur Tawung, Lopburi
Client Name/Address : Asia Pet (Thailand) Co., Ltd.
Sampling By : S.P.S. Consulting Service Co., Ltd.

Time	Utility Area	Standard				
	L _{eq} 1 hr [dB(A)]					
11:00-12:00	79.6	-				
12:00-13:00	79.2	-				
13:00-14:00	80.1	-				
14:00-15:00	80.5	-				
15:00-16:00	80.0	-				
16:00-17:00	79.4	-				
17:00-18:00	79.6	-				
18:00-19:00	80.4	-				
L _{eq} 8 hr [dB(A)]	79.9	Less Than 90.0				
L _{max} [dB(A)]	97.5	Less Than 140.0				
-	Sound Level Meter Data					-
	Calibrate Sheet No.: Noise B 347/23			03 September 2023		
	Equipment	Brand	Model	Serial No.	Standard	
	Sound Level Meter (No.B18)	ACO	6236	00172048	IEC 61672	
	Actual Reading [dB]					
	Before Adjustment			After Adjustment		
	94.0			94.0		

Remark:

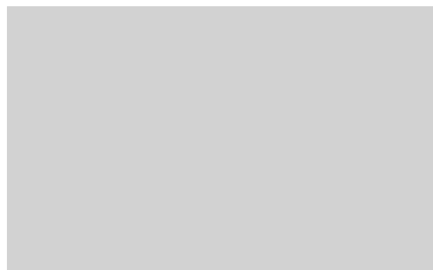
Standard = Safety Protection Measures in Industrial Plant Operation Concerning Working Environment,
Notification of the Ministry of Industry, B.E. 2546 (2003)

Sampling Method = Sound Level Meter

Acoustic Calibrator, ACO, Model 2127, S/N. 130006, IEC 60942

Reported results refer to measurement time only.

Do not copy partial of this measurement report without official approval.





BY023/09/66

338/12/65

Noise Level Report

Project : Asia Pet (Thailand) Co., Ltd. Sampling Date : 5 September 2023
Project Location : 61/1 Moo 11, Bangngha-Thaklong Road Date Reportec : 12 September 2023
Tambon Kaosamorkorn, Amphur Tawung, Lopburi
Client Name/Address : Asia Pet (Thailand) Co., Ltd.
Sampling By : S.P.S. Consulting Service Co., Ltd.

Time	PTA Silos	Standard				
	L _{eq} 1 hr [dB(A)]					
11:00-12:00	73.4	-				
12:00-13:00	77.5	-				
13:00-14:00	75.6	-				
14:00-15:00	78.2	-				
15:00-16:00	77.4	-				
16:00-17:00	78.4	-				
17:00-18:00	78.3	-				
18:00-19:00	79.7	-				
L _{eq} 8 hr [dB(A)]	77.6	Less Than 90.0				
L _{max} [dB(A)]	96.1	Less Than 140.0				
-	Sound Level Meter Data					-
	Calibrate Sheet No.: Noise B 347/23			03 September 2023		
	Equipment	Brand	Model	Serial No.	Standard	
	Sound Level Meter (No.B29)	ACO	6236	00182011	IEC 61672	
	Actual Reading [dB]					
	Before Adjustment			After Adjustment		
	94.1			94.0		

Remark:

Standard = Safety Protection Measures in Industrial Plant Operation Concerning Working Environment,
Notification of the Ministry of Industry, B.E. 2546 (2003)

Sampling Method = Sound Level Meter

Acoustic Calibrator, ACO, Model 2127, S/N. 130006, IEC 60942

Reported results refer to measurement time only.

Do not copy partial of this measurement report without official approval.





BY023/09/66

338/12/65

Noise Level Report

Project : Asia Pet (Thailand) Co., Ltd. Sampling Date : 5 September 2023
Project Location : 61/1 Moo 11, Bangngha-Thaklong Road Date Reportec : 12 September 2023
Tambon Kaosamorkorn, Amphur Tawung, Lopburi
Client Name/Address : Asia Pet (Thailand) Co., Ltd.
Sampling By : S.P.S. Consulting Service Co., Ltd.

Time	CP 1 Building	Standard				
	L _{eq} 1 hr [dB(A)]					
10:30-11:30	82.6	-				
11:30-12:30	82.3	-				
12:30-13:30	82.1	-				
13:30-14:30	82.4	-				
14:30-15:30	83.0	-				
15:30-16:30	82.2	-				
16:30-17:30	81.4	-				
17:30-18:30	81.9	-				
L _{eq} 8 hr [dB(A)]	82.3	Less Than 90.0				
L _{max} [dB(A)]	100.1	Less Than 140.0				
-	Sound Level Meter Data					-
	Calibrate Sheet No.: Noise B 347/23			03 September 2023		
	Equipment	Brand	Model	Serial No.	Standard	
	Sound Level Meter (No.B33)	ACO	6236	00182015	IEC 61672	
	Actual Reading [dB]					
	Before Adjustment			After Adjustment		
	94.0			94.0		

Remark:

Standard = Safety Protection Measures in Industrial Plant Operation Concerning Working Environment,
Notification of the Ministry of Industry, B.E. 2546 (2003)

Sampling Method = Sound Level Meter

Acoustic Calibrator, ACO, Model 2127, S/N. 130006, IEC 60942

Reported results refer to measurement time only.

Do not copy partial of this measurement report without official approval.





BY023/09/66

338/12/65

Noise Level Report

Project : Asia Pet (Thailand) Co., Ltd. Sampling Date : 5 September 2023
Project Location : 61/1 Moo 11, Bangnga-Thaklong Road Date Reportec : 12 September 2023
Tambon Kaosamorkorn, Amphur Tawung, Lopburi
Client Name/Address : Asia Pet (Thailand) Co., Ltd.
Sampling By : S.P.S. Consulting Service Co., Ltd.

Time	CP 2 Building	Standard				
	L _{eq} 1 hr [dB(A)]					
11:00-12:00	80.0	-				
12:00-13:00	79.7	-				
13:00-14:00	79.9	-				
14:00-15:00	79.6	-				
15:00-16:00	79.5	-				
16:00-17:00	79.5	-				
17:00-18:00	79.6	-				
18:00-19:00	79.6	-				
L _{eq} 8 hr [dB(A)]	79.7	Less Than 90.0				
L _{max} [dB(A)]	93.0	Less Than 140.0				
-	Sound Level Meter Data					-
	Calibrate Sheet No.: Noise B 347/23			03 September 2023		
	Equipment	Brand	Model	Serial No.	Standard	
	Sound Level Meter (No.B36)	ACO	6236	00192027	IEC 61672	
	Actual Reading [dB]					
	Before Adjustment			After Adjustment		
	94.0			94.0		

Remark:

Standard = Safety Protection Measures in Industrial Plant Operation Concerning Working Environment,
Notification of the Ministry of Industry, B.E. 2546 (2003)
Sampling Method = Sound Level Meter
Acoustic Calibrator, ACO, Model 2127, S/N. 130006, IEC 60942

Reported results refer to measurement time only.

Do not copy partial of this measurement report without official approval.





BY083/12/66

338/12/65

Noise Level Report

Project : Asia Pet (Thailand) Co., Ltd. Sampling Date : 13 December 2023
Project Location : 61/1 Moo 11, Bangngha-Thaklong Road Date Reported : 19 December 2023
Tambon Kaosamorkorn, Amphur Tawung, Lopburi
Client Name/Address : Asia Pet (Thailand) Co., Ltd.
Sampling By : S.P.S. Consulting Service Co., Ltd.

Time	Utility Area	Standard				
	L _{eq} 1 hr [dB(A)]					
09:00-10:00	78.8	-				
10:00-11:00	79.0	-				
11:00-12:00	78.4	-				
12:00-13:00	81.1	-				
13:00-14:00	80.4	-				
14:00-15:00	77.6	-				
15:00-16:00	77.5	-				
16:00-17:00	77.9	-				
L _{eq} 8 hr [dB(A)]	79.0	Less Than 90.0				
L _{max} [dB(A)]	89.3	Less Than 140.0				
-	Sound Level Meter Data					-
	Calibrate Sheet No.: Noise B 463/23			08 December 2023		
	Equipment	Brand	Model	Serial No.	Standard	
	Sound Level Meter (No.B33)	ACO	6236	00182015	IEC 61672	
	Actual Reading [dB]					
	Before Adjustment			After Adjustment		
	94.0			94.0		

Remark:

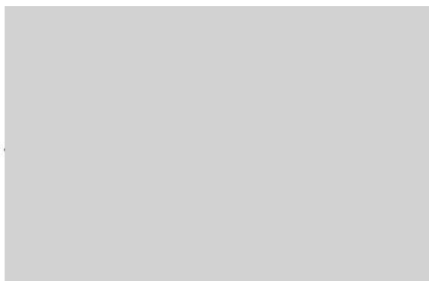
Standard = Safety Protection Measures in Industrial Plant Operation Concerning Working Environment,
Notification of the Ministry of Industry, B.E. 2546 (2003)

Sampling Method = Sound Level Meter

Acoustic Calibrator, ACO, Model 2127, S/N. 130006, IEC 60942

Reported results refer to measurement time only.

Do not copy partial of this measurement report without official approval.





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Noise Level Report

Project : Asia Pet (Thailand) Co., Ltd. Sampling Date : 13 December 2023
Project Location : 61/1 Moo 11, Bangngha-Thaklong Road Date Reported : 19 December 2023
Tambon Kaosamorkorn, Amphur Tawung, Lopburi
Client Name/Address : Asia Pet (Thailand) Co., Ltd.
Sampling By : S.P.S. Consulting Service Co., Ltd.

Time	PTA Silos					Standard
	L _{eq} 1 hr [dB(A)]					
09:00-10:00	82.6					-
10:00-11:00	81.1					-
11:00-12:00	81.2					-
12:00-13:00	81.5					-
13:00-14:00	82.0					-
14:00-15:00	80.7					-
15:00-16:00	81.7					-
16:00-17:00	80.9					-
L _{eq} 8 hr [dB(A)]	81.5					Less Than 90.0
L _{max} [dB(A)]	98.1					Less Than 140.0
-	Sound Level Meter Data					-
	Calibrate Sheet No.: Noise B 463/23			08 December 2023		
	Equipment	Brand	Model	Serial No.	Standard	
	Sound Level Meter (No.B36)	ACO	6236	00192027	IEC 61672	
	Actual Reading [dB]					
	Before Adjustment			After Adjustment		
	94.0			94.0		

Remark:

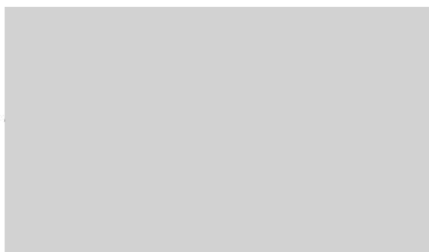
Standard = Safety Protection Measures in Industrial Plant Operation Concerning Working Environment,
Notification of the Ministry of Industry, B.E. 2546 (2003)

Sampling Method = Sound Level Meter

Acoustic Calibrator, ACO, Model 2127, S/N. 130006, IEC 60942

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Noise Level Report

Project : Asia Pet (Thailand) Co., Ltd. Sampling Date : 13 December 2023
Project Location : 61/1 Moo 11, Bangngha-Thaklong Road Date Reported : 19 December 2023
Tambon Kaosamorkorn, Amphur Tawung, Lopburi
Client Name/Address : Asia Pet (Thailand) Co., Ltd.
Sampling By : S.P.S. Consulting Service Co., Ltd.

Time	CP 1 Building	Standard				
	L _{eq} 1 hr [dB(A)]					
09:00-10:00	82.2	-				
10:00-11:00	82.0	-				
11:00-12:00	82.3	-				
12:00-13:00	82.1	-				
13:00-14:00	81.6	-				
14:00-15:00	81.0	-				
15:00-16:00	81.8	-				
16:00-17:00	80.9	-				
L _{eq} 8 hr [dB(A)]	81.8	Less Than 90.0				
L _{max} [dB(A)]	95.1	Less Than 140.0				
-	Sound Level Meter Data					-
	Calibrate Sheet No.: Noise B 463/23			08 December 2023		
	Equipment	Brand	Model	Serial No.	Standard	
	Sound Level Meter (No.B41)	ACO	6236	00192032	IEC 61672	
	Actual Reading [dB]					
	Before Adjustment			After Adjustment		
	93.9			94.0		

Remark:

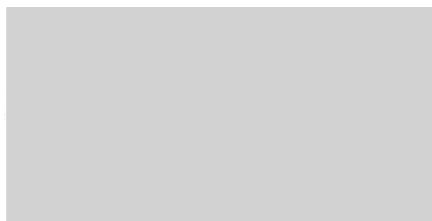
Standard = Safety Protection Measures in Industrial Plant Operation Concerning Working Environment,
Notification of the Ministry of Industry, B.E. 2546 (2003)

Sampling Method = Sound Level Meter

Acoustic Calibrator, ACO, Model 2127, S/N. 130006, IEC 60942

Reported results refer to measurement time only.

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BY083/12/66

338/12/65

Noise Level Report

Project : Asia Pet (Thailand) Co., Ltd. Sampling Date : 13 December 2023
Project Location : 61/1 Moo 11, Bangngha-Thaklong Road Date Reported : 19 December 2023
Tambon Kaosamorkorn, Amphur Tawung, Lopburi
Client Name/Address : Asia Pet (Thailand) Co., Ltd.
Sampling By : S.P.S. Consulting Service Co., Ltd.

Time	CP 2 Building	Standard				
	L _{eq} 1 hr [dB(A)]					
08:30-09:30	81.0	-				
09:30-10:30	80.7	-				
10:30-11:30	80.9	-				
11:30-12:30	81.0	-				
12:30-13:30	80.8	-				
13:30-14:30	80.9	-				
14:30-15:30	81.2	-				
15:30-16:30	81.5	-				
L _{eq} 8 hr [dB(A)]	81.0	Less Than 90.0				
L _{max} [dB(A)]	92.4	Less Than 140.0				
-	Sound Level Meter Data					-
	Calibrate Sheet No.: Noise B 463/23			08 December 2023		
	Equipment	Brand	Model	Serial No.	Standard	
	Sound Level Meter (No.B43)	ACO	6236	00192034	IEC 61672	
	Actual Reading [dB]					
	Before Adjustment			After Adjustment		
	94.0			94.0		

Remark:

Standard = Safety Protection Measures in Industrial Plant Operation Concerning Working Environment,
Notification of the Ministry of Industry, B.E. 2546 (2003)
Sampling Method = Sound Level Meter
Acoustic Calibrator, ACO, Model 2127, S/N. 130006, IEC 60942

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