

ภาคผนวกที่ 3

ผลการตรวจวัดคุณภาพสิ่งแวดล้อม

คุณภาพอากาศในบรรยากาศ



Ref. No. A208(1)-A208(7)/05/23

Report No. 2305/557

338/12/65

Ambient Air Quality Analysis Report

Project : Asia Pet (Thailand) Limited Sampling Date : 15-22 May 2023
Project Location : 61/1 Moo 11, Bangngha-Thakhlong Road, Date Received : 22 May 2023
Kasamorkorn, Tawung, Lopburi Date of Analysis : 22 May-1 June 2023
Client Name/Address : Asia Pet (Thailand) Limited Date Reported : 6 June 2023
Sampling by : Rattanakorn Yosruangsak
S.P.S. Consulting Service Co., Ltd.

| Parameter | Sampling Method | Analytical Method | Project Area | | | | | | | | Standard |
|--|-------------------------|---|--------------|--------|--------|--------|--------|--------|--------|-------------------------------|----------|
| | | | May 2023 | | | | | | | | |
| | | | 15-16 | 16-17 | 17-18 | 18-19 | 19-20 | 20-21 | 21-22 | | |
| Total Suspended Particulate (mg/m ³) | High Volume Air Sampler | Gravimetric Method (U.S. EPA 40 CFR Part 50 Appendix B) | 0.031 | 0.048 | 0.046 | 0.044 | 0.057 | 0.049 | 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) | 39 | - | - | - | - | - | - | Less than 860 ^[2] | |
| 1,4-Dioxane (µg/m ³) | Canister | GC/MS Method (U.S. EPA Method TO-15) | 16 | - | - | - | - | - | - | Less than 860 ^[2] | |

Remark:

Standard^[1] = Ambient Air Quality Standards, Notification of the National Environmental 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.

Laboratory Operator

6 / 6 / 23

Laboratory Supervisor

6 / 6 / 23

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



BY136/05/66

338/12/65

Nitrogen Dioxide Level Report

Project : Asia Pet (Thailand) Co., Ltd. Sampling Date : 15-22 May 2023
Project Location : 61/1 Moo 11, Bangngha-Thaklong Road Date Reported : 26 May 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 |
|---------------------|-------------------------------------|--------|--------|-------------------|--------|--------|--------|----------------------|
| | May 2023 | | | | | | | |
| | 15-16 | 16-17 | 17-18 | 18-19 | 19-20 | 20-21 | 21-22 | |
| 15:00-16:00 | 0.0225 | 0.0157 | 0.0193 | 0.0147 | 0.0199 | 0.0171 | 0.0167 | - |
| 16:00-17:00 | 0.0244 | 0.0142 | 0.0186 | 0.0185 | 0.0171 | 0.0186 | 0.0169 | - |
| 17:00-18:00 | 0.0191 | 0.0176 | 0.0162 | 0.0162 | 0.0168 | 0.0169 | 0.0181 | - |
| 18:00-19:00 | 0.0212 | 0.0198 | 0.0209 | 0.0193 | 0.0197 | 0.0183 | 0.0212 | - |
| 19:00-20:00 | 0.0169 | 0.0221 | 0.0241 | 0.0159 | 0.0147 | 0.0163 | 0.0252 | - |
| 20:00-21:00 | 0.0179 | 0.0182 | 0.0218 | 0.0142 | 0.0170 | 0.0199 | 0.0207 | - |
| 21:00-22:00 | 0.0216 | 0.0166 | 0.0172 | 0.0182 | 0.0187 | 0.0182 | 0.0173 | - |
| 22:00-23:00 | 0.0164 | 0.0142 | 0.0161 | 0.0155 | 0.0169 | 0.0154 | 0.0160 | - |
| 23:00-00:00 | 0.0131 | 0.0133 | 0.0153 | 0.0133 | 0.0155 | 0.0136 | 0.0151 | - |
| 00:00-01:00 | 0.0108 | 0.0119 | 0.0114 | 0.0105 | 0.0131 | 0.0126 | 0.0130 | - |
| 01:00-02:00 | 0.0092 | 0.0105 | 0.0092 | 0.0099 | 0.0112 | 0.0105 | 0.0111 | - |
| 02:00-03:00 | 0.0113 | 0.0126 | 0.0108 | 0.0113 | 0.0105 | 0.0111 | 0.0096 | - |
| 03:00-04:00 | 0.0132 | 0.0153 | 0.0121 | 0.0143 | 0.0123 | 0.0133 | 0.0108 | - |
| 04:00-05:00 | 0.0156 | 0.0144 | 0.0157 | 0.0171 | 0.0141 | 0.0159 | 0.0120 | - |
| 05:00-06:00 | 0.0159 | 0.0167 | 0.0160 | 0.0184 | 0.0153 | 0.0166 | 0.0158 | - |
| 06:00-07:00 | 0.0149 | 0.0168 | 0.0140 | 0.0147 | 0.0173 | 0.0181 | 0.0175 | - |
| 07:00-08:00 | 0.0169 | 0.0124 | 0.0175 | 0.0171 | 0.0158 | 0.0163 | 0.0187 | - |
| 08:00-09:00 | 0.0173 | 0.0150 | 0.0205 | 0.0198 | 0.0148 | 0.0138 | 0.0171 | - |
| 09:00-10:00 | 0.0176 | 0.0197 | 0.0185 | 0.0245 | 0.0170 | 0.0141 | 0.0157 | - |
| 10:00-11:00 | 0.0143 | 0.0164 | 0.0136 | 0.0209 | 0.0153 | 0.0156 | 0.0192 | - |
| 11:00-12:00 | 0.0175 | 0.0148 | 0.0156 | 0.0173 | 0.0191 | 0.0176 | 0.0200 | - |
| 12:00-13:00 | 0.0187 | 0.0163 | 0.0143 | 0.0166 | 0.0235 | 0.0204 | 0.0185 | - |
| 13:00-14:00 | 0.0159 | 0.0191 | 0.0174 | 0.0189 | 0.0195 | 0.0232 | 0.0173 | - |
| 14:00-15:00 | 0.0199 | 0.0220 | 0.0158 | 0.0158 | 0.0202 | 0.0192 | 0.0168 | - |
| Max 1 hr [ppm] | 0.0244 | 0.0221 | 0.0241 | 0.0245 | 0.0235 | 0.0232 | 0.0252 | Less Than 0.17 [ppm] |
| Average 24 hr [ppm] | 0.0168 | 0.0161 | 0.0163 | 0.0164 | 0.0165 | 0.0164 | 0.0167 | - |
| Analyzer Data | Analyzer No. : NO _x -B05 | | | Brand : API | | | | - |
| | Model : 200E | | | Serial No. : 2284 | | | | |

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.

Scientist

26 / 05 / 23

Technical Supervisor

26 / 05 / 23



Ref. No. A092/01/23

Report No. 2301/455

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 : Chanchai Kaowichit
S.P.S. Consulting Service Co., Ltd.

Sampling Date : 25-26 January 2023
Date Received : 26 January 2023
Date of Analysis : 26 January-7 February 2023
Date Reported : 9 February 2023

| Parameter | Sampling Method | Analytical Method | Project Area | Standard |
|---|-----------------|-----------------------|--------------|---------------|
| Acetaldehyde ($\mu\text{g}/\text{m}^3$) | Canister | U.S. EPA Method TO-15 | 12 | 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.

Laboratory Operator

9 / 2 / 23

Laboratory Supervisor

9 / 2 / 23

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



Ref. No. A077/02/23

Report No. 2302/253

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 : Rattanakorn Yosruangsak
S.P.S. Consulting Service Co., Ltd.

Sampling Date : 9-10 February 2023
Date Received : 10 February 2023
Date of Analysis : 10-22 February 2023
Date Reported : 24 February 2023

| Parameter | Sampling Method | Analytical Method | Project Area | Standard |
|---|-----------------|-----------------------|--------------|---------------|
| Acetaldehyde ($\mu\text{g}/\text{m}^3$) | Canister | U.S. EPA Method TO-15 | 37 | 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.

Laboratory Operator

24 / 2 / 23

Laboratory Supervisor

24 / 2 / 23

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



Ref. No. A141/03/23

Report No. 2303/267

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 : Sithisak Kumwongsa
S.P.S. Consulting Service Co., Ltd.

Sampling Date : 9-10 March 2023
Date Received : 10 March 2023
Date of Analysis : 10-22 March 2023
Date Reported : 24 March 2023

| Parameter | Sampling Method | Analytical Method | Project Area | Standard |
|---|-----------------|-----------------------|--------------|---------------|
| Acetaldehyde ($\mu\text{g}/\text{m}^3$) | Canister | U.S. EPA Method TO-15 | 16 | Less than 860 |
| 1,4-Dioxane ($\mu\text{g}/\text{m}^3$) | Canister | U.S. EPA Method TO-15 | 1.2 | 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.

Laboratory Operator

24 / 3 / 23

Laboratory Supervisor

24 / 3 / 23

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



Ref. No. A104/04/23

Report No. 2304/249

338/12/65

Ambient Air Quality Analysis Report

Company : Asia Pet (Thailand) Limited Sampling Date : 10-11 April 2023
Project Location : 61/1 Moo 11, Bangnga-Thaklong Road, Kaosamorkorn, Date Received : 11 April 2023
Tawung, Lopburi Date of Analysis : 11-25 April 2023
Client Name/Address : Mr. D.N. Pargain Date Reported : 27 April 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 | 12 | Less than 860 |
| 1,4-Dioxane ($\mu\text{g}/\text{m}^3$) | Canister | U.S. EPA Method TO-15 | 1.3 | 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.

Laboratory Operator

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Laboratory Supervisor

27 / 4 / 23

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



Ref. No. A103/06/23

Report No. 2306/194

338/12/65

Ambient Air Quality Analysis Report

Project : Asia Pet (Thailand) Limited Sampling Date : 8-9 June 2023
Project Location : 61/1 Moo 11, Bangngha-Thakhleng Road, Date Received : 9 June 2023
Kaosamorkorn, Tawung, Lopburi Date of Analysis : 9-21 June 2023
Client Name/Address : Asia Pet (Thailand) Limited Date Reported : 23 June 2023
Sampling by : Piyawat Simma
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 | 47 | Less than 860 |
| 1,4-Dioxane ($\mu\text{g}/\text{m}^3$) | Canister | U.S. EPA Method TO-15 | 30 | 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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Laboratory Operator
23 / 06 / 23

Laboratory Supervisor
23 / 06 / 23

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



Ref. No. A209(1)-A209(7)/05/23

Report No. 2305/557

338/12/65

Ambient Air Quality Analysis Report

Project : Asia Pet (Thailand) Limited Sampling Date : 15-22 May 2023
Project Location : 61/1 Moo 11, Bangngha-Thakhlong Road, Date Received : 22 May 2023
Kasamorkorn, Tawung, Lopburi Date of Analysis : 22 May-1 June 2023
Client Name/Address : Asia Pet (Thailand) Limited Date Reported : 6 June 2023
Sampling by : Rattanakorn Yosruangsak
S.P.S. Consulting Service Co., Ltd.

| Parameter | Sampling Method | Analytical Method | Khao Samo Khon Public Health Center | | | | | | | | Standard |
|--|-------------------------|---|-------------------------------------|--------|--------|--------|--------|--------|--------|-------------------------------|----------|
| | | | May 2023 | | | | | | | | |
| | | | 15-16 | 16-17 | 17-18 | 18-19 | 19-20 | 20-21 | 21-22 | | |
| Total Suspended Particulate (mg/m ³) | High Volume Air Sampler | Gravimetric Method (U.S. EPA 40 CFR Part 50 Appendix B) | 0.051 | 0.047 | 0.049 | 0.056 | 0.032 | 0.056 | 0.032 | 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) | 19 | - | - | - | - | - | - | 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 Environmental 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.

Laboratory Operator

6 / 6 / 23

Laboratory Supervisor

6 / 6 / 23

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



BY136/05/66

338/12/65

Nitrogen Dioxide Level Report

Project : Asia Pet (Thailand) Co., Ltd. Sampling Date : 15-22 May 2023
Project Location : 61/1 Moo 11, Bangngha-Thaklong Road Date Reported : 26 May 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 |
|---------------------|-------------------------------------|--------|--------|---------------------|--------|--------|--------|----------------------|
| | May 2023 | | | | | | | |
| | 15-16 | 16-17 | 17-18 | 18-19 | 19-20 | 20-21 | 21-22 | |
| 13:00-14:00 | 0.0238 | 0.0160 | 0.0254 | 0.0139 | 0.0206 | 0.0158 | 0.0193 | - |
| 14:00-15:00 | 0.0204 | 0.0184 | 0.0222 | 0.0169 | 0.0187 | 0.0172 | 0.0178 | - |
| 15:00-16:00 | 0.0173 | 0.0164 | 0.0187 | 0.0178 | 0.0174 | 0.0154 | 0.0206 | - |
| 16:00-17:00 | 0.0188 | 0.0197 | 0.0175 | 0.0147 | 0.0187 | 0.0188 | 0.0236 | - |
| 17:00-18:00 | 0.0160 | 0.0240 | 0.0167 | 0.0153 | 0.0160 | 0.0222 | 0.0186 | - |
| 18:00-19:00 | 0.0151 | 0.0205 | 0.0196 | 0.0160 | 0.0130 | 0.0200 | 0.0172 | - |
| 19:00-20:00 | 0.0148 | 0.0189 | 0.0165 | 0.0189 | 0.0141 | 0.0191 | 0.0156 | - |
| 20:00-21:00 | 0.0159 | 0.0159 | 0.0150 | 0.0173 | 0.0128 | 0.0176 | 0.0179 | - |
| 21:00-22:00 | 0.0181 | 0.0144 | 0.0134 | 0.0151 | 0.0156 | 0.0137 | 0.0151 | - |
| 22:00-23:00 | 0.0147 | 0.0124 | 0.0113 | 0.0140 | 0.0164 | 0.0147 | 0.0149 | - |
| 23:00-00:00 | 0.0122 | 0.0109 | 0.0093 | 0.0129 | 0.0132 | 0.0121 | 0.0159 | - |
| 00:00-01:00 | 0.0109 | 0.0093 | 0.0104 | 0.0107 | 0.0111 | 0.0090 | 0.0122 | - |
| 01:00-02:00 | 0.0101 | 0.0108 | 0.0102 | 0.0093 | 0.0108 | 0.0087 | 0.0107 | - |
| 02:00-03:00 | 0.0122 | 0.0112 | 0.0111 | 0.0106 | 0.0123 | 0.0101 | 0.0095 | - |
| 03:00-04:00 | 0.0168 | 0.0125 | 0.0131 | 0.0112 | 0.0137 | 0.0110 | 0.0112 | - |
| 04:00-05:00 | 0.0155 | 0.0157 | 0.0127 | 0.0145 | 0.0145 | 0.0117 | 0.0134 | - |
| 05:00-06:00 | 0.0178 | 0.0143 | 0.0150 | 0.0163 | 0.0182 | 0.0143 | 0.0154 | - |
| 06:00-07:00 | 0.0140 | 0.0156 | 0.0141 | 0.0157 | 0.0169 | 0.0163 | 0.0182 | - |
| 07:00-08:00 | 0.0182 | 0.0175 | 0.0175 | 0.0163 | 0.0152 | 0.0179 | 0.0171 | - |
| 08:00-09:00 | 0.0152 | 0.0151 | 0.0171 | 0.0187 | 0.0145 | 0.0152 | 0.0165 | - |
| 09:00-10:00 | 0.0163 | 0.0168 | 0.0182 | 0.0196 | 0.0185 | 0.0186 | 0.0171 | - |
| 10:00-11:00 | 0.0157 | 0.0138 | 0.0158 | 0.0173 | 0.0215 | 0.0162 | 0.0146 | - |
| 11:00-12:00 | 0.0194 | 0.0193 | 0.0178 | 0.0209 | 0.0250 | 0.0191 | 0.0184 | - |
| 12:00-13:00 | 0.0146 | 0.0214 | 0.0158 | 0.0243 | 0.0182 | 0.0229 | 0.0167 | - |
| Max 1 hr [ppm] | 0.0238 | 0.0240 | 0.0254 | 0.0243 | 0.0250 | 0.0229 | 0.0236 | Less Than 0.17 [ppm] |
| Average 24 hr [ppm] | 0.0160 | 0.0159 | 0.0156 | 0.0158 | 0.0161 | 0.0157 | 0.0161 | - |
| Analyzer Data | Analyzer No. : NO _x -B22 | | | Brand : API | | | | - |
| | Model : TML-41M | | | Serial No. : NO1618 | | | | |

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.

Scientist

26 / 05 / 23

Technical Supervisor

26 / 05 / 23



Ref. No. A093/01/23

Report No. 2301/455

338/12/65

Ambient Air Quality Analysis Report

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

Sampling Date : 25-26 January 2023
Date Received : 26 January 2023
Date of Analysis : 26 January-7 February 2023
Date Reported : 9 February 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 | 27 | 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.

Laboratory Operator

9 / 2 / 23

Laboratory Supervisor

9 / 2 / 23

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



Ref. No. A078/02/23

Report No. 2302/253

338/12/65

Ambient Air Quality Analysis Report

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

Sampling Date : 9-10 February 2023
Date Received : 10 February 2023
Date of Analysis : 10-22 February 2023
Date Reported : 24 February 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 | 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.

Laboratory Operator

24 / 2 / 23

Laboratory Supervisor

24 / 2 / 23

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



Ref. No. A142/03/23

Report No. 2303/267

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 : Sitthisak Kumwongsa
S.P.S. Consulting Service Co., Ltd.

Sampling Date : 9-10 March 2023
Date Received : 10 March 2023
Date of Analysis : 10-22 March 2023
Date Reported : 24 March 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 | 27 | 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.

Laboratory Operator

24 / 3 / 23

Laboratory Supervisor

24 / 3 / 23

- - - - - 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. A105/04/23

Report No. 2304/249

338/12/65

Ambient Air Quality Analysis Report

Company : Asia Pet (Thailand) Limited Sampling Date : 10-11 April 2023
Project Location : 61/1 Moo 11, Bangnga-Thaklong Road, Kaosamorkom, Date Received : 11 April 2023
Tawung, Lopburi Date of Analysis : 11-25 April 2023
Client Name/Address : Mr. D.N. Pargain Date Reported : 27 April 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 | 15 | 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.

Laboratory Operator

27 / 4 / 23

Laboratory Supervisor

27 / 4 / 23

----- 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. A104/06/23

Report No. 2306/194

338/12/65

Ambient Air Quality Analysis Report

Project : Asia Pet (Thailand) Limited Sampling Date : 8-9 June 2023
 Project Location : 61/1 Moo 11, Bangngha-Thakhleng Road, Date Received : 9 June 2023
 Kaosamorkorn, Tawung, Lopburi Date of Analysis : 9-21 June 2023
 Client Name/Address : Asia Pet (Thailand) Limited Date Reported : 23 June 2023
 Sampling by : Piyawat Simma
 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 | 6.0 | 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.

Laboratory Operator

23 / 06 / 23

Laboratory Supervisor

23 / 06 / 23

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



Ref. No. A210(1)-A210(7)/05/23

Report No. 2305/557

338/12/65

Ambient Air Quality Analysis Report

Project : Asia Pet (Thailand) Limited Sampling Date : 15-22 May 2023
Project Location : 61/1 Moo 11, Bangngha-Thakhlong Road, Date Received : 22 May 2023
Kasamorkorn, Tawung, Lopburi Date of Analysis : 22 May-1 June 2023
Client Name/Address : Asia Pet (Thailand) Limited Date Reported : 6 June 2023
Sampling by : Rattanakorn Yosruangsak
S.P.S. Consulting Service Co., Ltd.

| Parameter | Sampling Method | Analytical Method | Tham Khao Tako School | | | | | | | | Standard |
|--|-------------------------|---|-----------------------|--------|--------|--------|--------|--------|--------|-------------------------------|----------|
| | | | May 2023 | | | | | | | | |
| | | | 15-16 | 16-17 | 17-18 | 18-19 | 19-20 | 20-21 | 21-22 | | |
| Total Suspended Particulate (mg/m ³) | High Volume Air Sampler | Gravimetric Method (U.S. EPA 40 CFR Part 50 Appendix B) | 0.052 | 0.049 | 0.054 | 0.017 | 0.046 | 0.052 | 0.043 | Less than 0.33 ^[1] | |
| Sulfur Dioxide (mg/m ³) (24 hr) | 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 (ppm) (24 hr) | 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) | 7.6 | - | - | - | - | - | - | 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 Environmental 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.

Laboratory Operator

..... / / 23

Laboratory Supervisor

..... / / 23

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



BY136/05/66

338/12/65

Nitrogen Dioxide Level Report

Project : Asia Pet (Thailand) Co., Ltd. Sampling Date : 15-22 May 2023
Project Location : 61/1 Moo 11, Bangngha-Thaklong Road Date Reported : 26 May 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 |
|---------------------|-------------------------------------|--------|--------|-------------------|--------|--------|--------|----------------------|
| | May 2023 | | | | | | | |
| | 15-16 | 16-17 | 17-18 | 18-19 | 19-20 | 20-21 | 21-22 | |
| 13:00-14:00 | 0.0211 | 0.0138 | 0.0205 | 0.0169 | 0.0180 | 0.0239 | 0.0182 | - |
| 14:00-15:00 | 0.0251 | 0.0162 | 0.0166 | 0.0137 | 0.0186 | 0.0189 | 0.0191 | - |
| 15:00-16:00 | 0.0195 | 0.0157 | 0.0152 | 0.0145 | 0.0192 | 0.0161 | 0.0189 | - |
| 16:00-17:00 | 0.0178 | 0.0174 | 0.0184 | 0.0179 | 0.0203 | 0.0140 | 0.0175 | - |
| 17:00-18:00 | 0.0163 | 0.0144 | 0.0164 | 0.0154 | 0.0243 | 0.0181 | 0.0154 | - |
| 18:00-19:00 | 0.0156 | 0.0157 | 0.0176 | 0.0131 | 0.0211 | 0.0174 | 0.0136 | - |
| 19:00-20:00 | 0.0168 | 0.0144 | 0.0155 | 0.0152 | 0.0152 | 0.0197 | 0.0156 | - |
| 20:00-21:00 | 0.0173 | 0.0166 | 0.0163 | 0.0164 | 0.0127 | 0.0159 | 0.0148 | - |
| 21:00-22:00 | 0.0155 | 0.0142 | 0.0152 | 0.0170 | 0.0151 | 0.0183 | 0.0160 | - |
| 22:00-23:00 | 0.0133 | 0.0132 | 0.0160 | 0.0148 | 0.0145 | 0.0150 | 0.0151 | - |
| 23:00-00:00 | 0.0116 | 0.0158 | 0.0142 | 0.0112 | 0.0124 | 0.0139 | 0.0126 | - |
| 00:00-01:00 | 0.0101 | 0.0115 | 0.0123 | 0.0090 | 0.0102 | 0.0110 | 0.0102 | - |
| 01:00-02:00 | 0.0128 | 0.0103 | 0.0101 | 0.0101 | 0.0094 | 0.0091 | 0.0097 | - |
| 02:00-03:00 | 0.0113 | 0.0110 | 0.0118 | 0.0102 | 0.0111 | 0.0106 | 0.0124 | - |
| 03:00-04:00 | 0.0139 | 0.0122 | 0.0132 | 0.0132 | 0.0123 | 0.0130 | 0.0122 | - |
| 04:00-05:00 | 0.0150 | 0.0146 | 0.0169 | 0.0147 | 0.0130 | 0.0155 | 0.0133 | - |
| 05:00-06:00 | 0.0141 | 0.0158 | 0.0148 | 0.0160 | 0.0148 | 0.0161 | 0.0142 | - |
| 06:00-07:00 | 0.0153 | 0.0177 | 0.0126 | 0.0153 | 0.0166 | 0.0142 | 0.0151 | - |
| 07:00-08:00 | 0.0168 | 0.0186 | 0.0163 | 0.0163 | 0.0154 | 0.0161 | 0.0165 | - |
| 08:00-09:00 | 0.0164 | 0.0215 | 0.0193 | 0.0175 | 0.0160 | 0.0192 | 0.0192 | - |
| 09:00-10:00 | 0.0148 | 0.0240 | 0.0234 | 0.0196 | 0.0150 | 0.0152 | 0.0175 | - |
| 10:00-11:00 | 0.0176 | 0.0207 | 0.0180 | 0.0194 | 0.0170 | 0.0127 | 0.0159 | - |
| 11:00-12:00 | 0.0180 | 0.0168 | 0.0153 | 0.0246 | 0.0188 | 0.0169 | 0.0195 | - |
| 12:00-13:00 | 0.0150 | 0.0211 | 0.0139 | 0.0207 | 0.0205 | 0.0196 | 0.0213 | - |
| Max 1 hr [ppm] | 0.0251 | 0.0240 | 0.0234 | 0.0246 | 0.0243 | 0.0239 | 0.0213 | Less Than 0.17 [ppm] |
| Average 24 hr [ppm] | 0.0159 | 0.0160 | 0.0158 | 0.0155 | 0.0159 | 0.0158 | 0.0156 | - |
| Analyzer Data | Analyzer No. : NO _x -B09 | | | Brand : API | | | | - |
| | Model : 200E | | | Serial No. : 4412 | | | | |

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.

Scientist

26 / 05 / 23

Technical Supervisor

26 / 05 / 23



Ref. No. A094/01/23

Report No. 2301/455

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 : Chanchai Kaowichit
S.P.S. Consulting Service Co., Ltd.

Sampling Date : 25-26 January 2023
Date Received : 26 January 2023
Date of Analysis : 26 January-7 February 2023
Date Reported : 9 February 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 | 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.

Laboratory Operator

9 / 2 / 23

Laboratory Supervisor

9 / 2 / 23

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



Ref. No. A079/02/23
338/12/65

Report No. 2302/253

Ambient Air Quality Analysis Report

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

Sampling Date : 9-10 February 2023
Date Received : 10 February 2023
Date of Analysis : 10-22 February 2023
Date Reported : 24 February 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.

Laboratory Operator
24 / 2 / 23

Laboratory Supervisor
24 / 2 / 23

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



Ref. No. A143/03/23

Report No. 2303/267

338/12/65

Ambient Air Quality Analysis Report

Company : Asia Pet (Thailand) Limited Sampling Date : 9-10 March 2023
Project Location : 61/1 Moo 11, Bangngha-Thakhleng Road, Kaosamorkom, Date Received : 10 March 2023
Tawung, Lopburi Date of Analysis : 10-22 March 2023
Client Name/Address : Mr. D.N. Pargain Date Reported : 24 March 2023
Sampling by : Sitthisak Kumwongsa
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 | 13 | 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.

Laboratory Operator

10 / 0 / 66

Laboratory Supervisor

24 / 3 / 23

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



Ref. No. A106/04/23

Report No. 2304/249

338/12/65

Ambient Air Quality Analysis Report

Company : Asia Pet (Thailand) Limited Sampling Date : 10-11 April 2023
Project Location : 61/1 Moo 11, Bangngha-Thakhlong Road, Kaosamorkorn, Date Received : 11 April 2023
Tawung, Lopburi Date of Analysis : 11-25 April 2023
Client Name/Address : Mr. D.N. Pargain Date Reported : 27 April 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 | 9.1 | 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.

Laboratory Operator

27 / 4 / 23

Laboratory Supervisor

27 / 4 / 23

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

ความเร็วและทิศทางลม



BY136/05/66

338/12/65

Wind Speed and Wind Direction Measurement Report

Project : Asia Pet (Thailand) Co., Ltd. Sampling Date : 15-22 May 2023
Project Location : 61/1 Moo 11, Bangngha-Thaklong Road Date Reported : 26 May 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°) | - | - | - | - | - |
| NE (34°-56°) | 1.190 | - | - | - | - |
| ENE (56°-79°) | - | - | - | - | - |
| E (79°-102°) | 2.381 | - | - | - | - |
| ESE (102°-124°) | 2.381 | - | - | - | - |
| SE (124°-146°) | 20.238 | - | - | - | - |
| SSE (146°-169°) | 5.357 | 0.595 | - | - | - |
| S (169°-191°) | 2.381 | - | - | - | - |
| SSW (191°-214°) | 1.786 | - | - | - | - |
| SW (214°-236°) | 26.787 | 17.262 | - | - | - |
| WSW (236°-259°) | 5.952 | 0.595 | - | - | - |
| W (259°-281°) | 6.548 | 4.762 | - | - | - |
| WNW (281°-304°) | 1.190 | - | - | - | - |
| NW (304°-326°) | - | - | - | - | - |
| NNW (326°-349°) | - | - | - | - | - |
| Total | 76.786 | 23.214 | 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.

Scientist

26 / 05 / 23

Technical Supervisor

26 / 05 / 23



BY136/05/66

338/12/65

Wind Speed and Wind Direction Measurement Report

Project : Asia Pet (Thailand) Co., Ltd. Sampling Date : 15-22 May 2023
Project Location : 61/1 Moo 11, Bangngha-Thaklong Road Date Reported : 26 May 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 | | | | | | | | | | | |
|------------------------------------|--------------|-------|-----|--------|-------|-----|--------|-------|-----|--------|-------|-----|
| | May 2023 | | | | | | | | | | | |
| | 15-16 | | | 16-17 | | | 17-18 | | | 18-19 | | |
| | WS | | WD | WS | | WD | WS | | WD | WS | | WD |
| | m/s | km/hr | | m/s | km/hr | | m/s | km/hr | | m/s | km/hr | |
| 15:00-16:00 | 2.7 | 9.7 | SW | 2.2 | 8.0 | SW | 2.2 | 8.0 | W | 1.3 | 4.8 | W |
| 16:00-17:00 | 2.7 | 9.7 | SW | 2.2 | 8.0 | SW | 2.2 | 8.0 | W | 1.8 | 6.4 | W |
| 17:00-18:00 | 2.7 | 9.7 | SW | 2.2 | 8.0 | SW | 2.2 | 8.0 | W | 1.3 | 4.8 | W |
| 18:00-19:00 | 2.2 | 8.0 | SW | 1.8 | 6.4 | SW | 1.8 | 6.4 | SW | 1.3 | 4.8 | SW |
| 19:00-20:00 | 1.8 | 6.4 | SW | 1.3 | 4.8 | SW | 1.8 | 6.4 | WSW | 2.2 | 8.0 | SW |
| 20:00-21:00 | 1.3 | 4.8 | SW | 0.9 | 3.2 | SE | 0.9 | 3.2 | SW | 1.3 | 4.8 | SW |
| 21:00-22:00 | 1.3 | 4.8 | WSW | 0.9 | 3.2 | SE | 0.9 | 3.2 | SW | 0.4 | 1.6 | SW |
| 22:00-23:00 | 0.4 | 1.6 | W | 0.9 | 3.2 | SE | 0.4 | 1.6 | S | 0.9 | 3.2 | SW |
| 23:00-00:00 | 0.9 | 3.2 | N | 0.4 | 1.6 | SSE | 0.4 | 1.6 | E | 0.9 | 3.2 | SW |
| 00:00-01:00 | 0.9 | 3.2 | SSW | 0.4 | 1.6 | SE | 0.4 | 1.6 | E | 0.4 | 1.6 | WSW |
| 01:00-02:00 | 0.9 | 3.2 | SE | 0.9 | 3.2 | WSW | 0.4 | 1.6 | ESE | 0.9 | 3.2 | SW |
| 02:00-03:00 | 0.9 | 3.2 | SSE | 1.3 | 4.8 | SW | 1.3 | 4.8 | SW | 0.4 | 1.6 | WSW |
| 03:00-04:00 | 0.9 | 3.2 | SE | 0.4 | 1.6 | SW | 0.9 | 3.2 | SW | 0.9 | 3.2 | SW |
| 04:00-05:00 | 0.4 | 1.6 | SSE | 1.3 | 4.8 | SW | 1.8 | 6.4 | SW | 0.9 | 3.2 | WSW |
| 05:00-06:00 | 0.9 | 3.2 | SE | 1.8 | 6.4 | SW | 0.9 | 3.2 | SW | 0.4 | 1.6 | WSW |
| 06:00-07:00 | 0.4 | 1.6 | S | 0.9 | 3.2 | SW | 0.9 | 3.2 | SSW | 0.4 | 1.6 | ESE |
| 07:00-08:00 | 0.9 | 3.2 | SW | 0.9 | 3.2 | SW | 1.3 | 4.8 | SW | 0.9 | 3.2 | ESE |
| 08:00-09:00 | 0.4 | 1.6 | SSE | 0.9 | 3.2 | SW | 0.9 | 3.2 | SW | 0.4 | 1.6 | SSW |
| 09:00-10:00 | 0.4 | 1.6 | ESE | 0.9 | 3.2 | SW | 0.4 | 1.6 | SW | 0.4 | 1.6 | NE |
| 10:00-11:00 | 0.9 | 3.2 | SW | 0.4 | 1.6 | NE | 0.4 | 1.6 | WSW | 0.4 | 1.6 | SW |
| 11:00-12:00 | 1.8 | 6.4 | SW | 0.9 | 3.2 | W | 1.3 | 4.8 | WSW | 0.9 | 3.2 | SW |
| 12:00-13:00 | 2.2 | 8.0 | SW | 1.3 | 4.8 | W | 1.8 | 6.4 | W | 1.3 | 4.8 | SW |
| 13:00-14:00 | 1.8 | 6.4 | SW | 1.3 | 4.8 | W | 1.8 | 6.4 | W | 1.3 | 4.8 | WSW |
| 14:00-15:00 | 1.8 | 6.4 | SW | 1.8 | 6.4 | W | 1.8 | 6.4 | W | 1.3 | 4.8 | WNW |
| Temperature Average (°C) | 31.1 | | | 31.9 | | | 32.4 | | | 32.7 | | |
| Barometric Pressure Average (mmHg) | 756.43 | | | 756.63 | | | 755.11 | | | 755.89 | | |
| Sky Condition | Fair | | | Fair | | | Fair | | | Fair | | |

Reported results refer to measurement time only.

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

Scientist
26 / 05 / 23

Technical Supervisor
26 / 05 / 23



BY136/05/66

338/12/65

Wind Speed and Wind Direction Measurement Report

Project : Asia Pet (Thailand) Co., Ltd. Sampling Date : 15-22 May 2023
Project Location : 61/1 Moo 11, Bangngha-Thaklong Road Date Reported : 26 May 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 | | | | | | | | |
|------------------------------------|--------------|-------|-----|--------|-------|-----|--------|-------|-----|
| | May 2023 | | | | | | | | |
| | 19-20 | | | 20-21 | | | 21-22 | | |
| | WS | | WD | WS | | WD | WS | | WD |
| | m/s | km/hr | | m/s | km/hr | | m/s | km/hr | |
| 15:00-16:00 | 1.3 | 4.8 | W | 1.3 | 4.8 | W | 1.3 | 4.8 | SE |
| 16:00-17:00 | 1.3 | 4.8 | WNW | 1.3 | 4.8 | W | 1.8 | 6.4 | SSE |
| 17:00-18:00 | 1.8 | 6.4 | SW | 1.3 | 4.8 | W | 2.2 | 8.0 | SW |
| 18:00-19:00 | 1.8 | 6.4 | SW | 1.3 | 4.8 | SW | 1.8 | 6.4 | SW |
| 19:00-20:00 | 2.2 | 8.0 | SW | 1.8 | 6.4 | SW | 1.8 | 6.4 | SW |
| 20:00-21:00 | 1.3 | 4.8 | SW | 0.9 | 3.2 | SW | 1.3 | 4.8 | SW |
| 21:00-22:00 | 1.3 | 4.8 | SW | 0.4 | 1.6 | SE | 0.4 | 1.6 | SE |
| 22:00-23:00 | 0.4 | 1.6 | SW | 0.9 | 3.2 | SE | 0.4 | 1.6 | SE |
| 23:00-00:00 | 0.9 | 3.2 | SE | 0.9 | 3.2 | SE | 0.4 | 1.6 | SW |
| 00:00-01:00 | 0.9 | 3.2 | SW | 0.4 | 1.6 | SE | 2.2 | 8.0 | SW |
| 01:00-02:00 | 0.9 | 3.2 | SW | 0.9 | 3.2 | SE | 1.8 | 6.4 | SW |
| 02:00-03:00 | 1.3 | 4.8 | SW | 1.8 | 6.4 | SW | 1.8 | 6.4 | SW |
| 03:00-04:00 | 1.3 | 4.8 | SW | 1.8 | 6.4 | SW | 1.3 | 4.8 | SE |
| 04:00-05:00 | 1.3 | 4.8 | SW | 0.9 | 3.2 | SE | 0.9 | 3.2 | SSE |
| 05:00-06:00 | 0.4 | 1.6 | E | 0.4 | 1.6 | SSE | 0.9 | 3.2 | SW |
| 06:00-07:00 | 0.4 | 1.6 | SE | 0.4 | 1.6 | SW | 0.9 | 3.2 | SE |
| 07:00-08:00 | 0.4 | 1.6 | S | 0.4 | 1.6 | SE | 0.9 | 3.2 | SE |
| 08:00-09:00 | 0.4 | 1.6 | SE | 0.9 | 3.2 | SE | 0.9 | 3.2 | SE |
| 09:00-10:00 | 0.4 | 1.6 | E | 1.3 | 4.8 | SE | 0.9 | 3.2 | SE |
| 10:00-11:00 | 0.9 | 3.2 | SE | 1.3 | 4.8 | SE | 1.3 | 4.8 | SSE |
| 11:00-12:00 | 1.3 | 4.8 | SE | 1.3 | 4.8 | SSE | 1.3 | 4.8 | S |
| 12:00-13:00 | 0.9 | 3.2 | SE | 1.3 | 4.8 | SE | 1.3 | 4.8 | SSE |
| 13:00-14:00 | 0.9 | 3.2 | W | 1.3 | 4.8 | SE | 1.3 | 4.8 | SW |
| 14:00-15:00 | 0.9 | 3.2 | WSW | 1.3 | 4.8 | SE | 0.9 | 3.2 | SW |
| Temperature Average (°C) | 32.5 | | | 32.6 | | | 32.4 | | |
| Barometric Pressure Average (mmHg) | 754.83 | | | 755.17 | | | 755.80 | | |
| Sky Condition | Fair | | | Fair | | | Fair | | |

Reported results refer to measurement time only.
Do not copy partial of this measurement report without official approval.

Scientist

26 / 05 / 23

Technical Supervisor

26 / 05 / 23

คุณภาพอากาศจากปล่องระบาย



Ref. No. A211/05/23
338/12/65

Report No. 2305/479

Stack 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 : Adul Daengklom (ว-011-ค-8008)
S.P.S. Consulting Service Co., Ltd.

Sampling Date : 15 May 2023
Date Received : 16 May 2023
Date of Analysis : 16-29 May 2023
Date Reported : 31 May 2023

| Parameter | Unit | Sampling Method | Analytical Method | HTM Heater Stack No. 1 | | Standard | |
|--|-------------------|-----------------|---|------------------------|-------|----------|-------|
| | | | | | | [1] | [2] |
| Sampling Time | - | - | - | 11:40-12:22 | | - | - |
| 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 | - | - | 35.8 | | - | - |
| Stack Temperature | °C | - | - | 195 | | - | - |
| Moisture | % | - | - | 5.00 | | - | - |
| Velocity | m/s | - | - | 9.27 | | - | - |
| Flow Rate (Qsd) | m ³ /s | - | - | 2.146 | | - | - |
| Carbon Dioxide | % | - | - | 13.09 | | - | - |
| Oxygen | % | - | - | 3.6 | 7.0 | - | - |
| Excess air | % | - | - | 19.56 | 50.0 | - | - |
| Total Suspended particulate | mg/m ³ | Isokinetic | Gravimetric Method (U.S. EPA Method 5) | 103 | 82 | 240 | 200 |
| Emission Rate of Total Suspended particulate | g/s | - | Calculate | 0.221 | - | - | 0.61 |
| Sulfur Dioxide | mg/m ³ | Midget Impinger | Titrimetric Method (U.S. EPA Method 6) | 1,490 | 1,188 | - | 2,374 |
| Sulfur Dioxide | ppm | Midget Impinger | Titrimetric Method (U.S. EPA Method 6) | 569 | 453 | 950 | 907 |
| Emission Rate of Sulfur Dioxide | g/s | - | Calculate | 3.20 | - | - | 8.00 |
| Oxide of Nitrogen | mg/m ³ | Vacuum Flask | Colorimetric Method (U.S. EPA Method 7) | 241 | 192 | 376 | 350 |
| Oxide of Nitrogen | ppm | Vacuum Flask | Colorimetric Method (U.S. EPA Method 7) | 128 | 102 | 200 | - |
| Emission Rate of Oxide of Nitrogen | g/s | - | Calculate | 0.517 | - | - | 1.07 |
| Carbon Monoxide | mg/m ³ | Gas Bag | Non-Dispersive Infrared Detection Method (U.S. EPA Method 10) | 26 | 21 | 790 | - |
| Carbon Monoxide | ppm | Gas Bag | Non-Dispersive Infrared Detection Method (U.S. EPA Method 10) | 23 | 18 | 690 | - |
| Emission Rate of Carbon Monoxide | g/s | - | Calculate | 0.057 | - | - | - |



Ref. No. A211/05/23
338/12/65

Report No. 2305/479

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.

Laboratory Operator

31 / 5 / 23

Laboratory Supervisor

31 / 5 / 23

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



Ref. No. A212/05/23
338/12/65

Report No. 2305/479

Stack Air Quality Analysis Report

Company : Asia Pet (Thailand) Limited
Project Location : 61/1 Moo 11, Bangnga-Thakhlong Road, Kaosamorkorn,
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 : 17 May 2023
Date Received : 17 May 2023
Date of Analysis : 17-29 May 2023
Date Reported : 31 May 2023

| Parameter | Unit | Sampling Method | Analytical Method | HTM Heater Stack No. 2 | | Standard | |
|--|-------------------|-----------------|---|------------------------|-------|----------|-------|
| | | | | | | [1] | [2] |
| Sampling Time | - | - | - | 15:20-16:02 | | - | - |
| Height | m. | - | - | 35.0 | | - | - |
| Diameter | cm. | - | - | 68.0 | | - | - |
| Barometric Pressure | mmHg | - | - | 756.06 | | - | - |
| Absolute Stack Gas Pressure | mmHg | - | - | 755.28 | | - | - |
| Dry Gas Meter Temperature | °C | - | - | 35.8 | | - | - |
| Stack Temperature | °C | - | - | 217 | | - | - |
| Moisture | % | - | - | 5.72 | | - | - |
| Velocity | m/s | - | - | 10.05 | | - | - |
| Flow Rate (Qsd) | m ³ /s | - | - | 2.081 | | - | - |
| Carbon Dioxide | % | - | - | 10.16 | | - | - |
| Oxygen | % | - | - | 7.5 | 7.0 | - | - |
| Excess air | % | - | - | 52.66 | 50.0 | - | - |
| Total Suspended particulate | mg/m ³ | Isokinetic | Gravimetric Method (U.S. EPA Method 5) | 57 | 58 | 240 | 200 |
| Emission Rate of Total Suspended particulate | g/s | - | Calculate | 0.119 | - | - | 0.44 |
| Sulfur Dioxide | mg/m ³ | Midget Impinger | Titrimetric Method (U.S. EPA Method 6) | 1,157 | 1,178 | - | 2,374 |
| Sulfur Dioxide | ppm | Midget Impinger | Titrimetric Method (U.S. EPA Method 6) | 442 | 450 | 950 | 907 |
| Emission Rate of Sulfur Dioxide | g/s | - | Calculate | 2.41 | - | - | 5.21 |
| Oxide of Nitrogen | mg/m ³ | Vacuum Flask | Colorimetric Method (U.S. EPA Method 7) | 216 | 220 | 376 | 350 |
| Oxide of Nitrogen | ppm | Vacuum Flask | Colorimetric Method (U.S. EPA Method 7) | 115 | 117 | 200 | - |
| Emission Rate of Oxide of Nitrogen | g/s | - | Calculate | 0.450 | - | - | 0.77 |
| Carbon Monoxide | mg/m ³ | Gas Bag | Non-Dispersive Infrared Detection Method (U.S. EPA Method 10) | 25 | 26 | 790 | - |
| Carbon Monoxide | ppm | Gas Bag | Non-Dispersive Infrared Detection Method (U.S. EPA Method 10) | 22 | 22 | 690 | - |
| Emission Rate of Carbon Monoxide | g/s | - | Calculate | 0.052 | - | - | - |



Ref. No. A212/05/23
338/12/65

Report No. 2305/479

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.

Laboratory Operator

31 / 5 / 23

Laboratory Supervisor

31 / 5 / 23

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



Ref. No. A213/05/23

Report No. 2305/479

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 Daengklom (ว-011-ค-8008)
S.P.S. Consulting Service Co., Ltd.

Sampling Date : 15 May 2023
Date Received : 16 May 2023
Date of Analysis : 16-29 May 2023
Date Reported : 31 May 2023

| Parameter | Unit | Sampling Method | Analytical Method | Catalytic Off Gas Incinerator Stack of CP1 | Standard | |
|------------------------------------|-------------------|-----------------|--|---|----------|-----|
| | | | | | [1] | [2] |
| Sampling Time | - | - | - | 14:30-15:12 | - | - |
| Height | m. | - | - | 30.0 | - | - |
| Diameter | cm. | - | - | 34.0 | - | - |
| Barometric Pressure | mmHg | - | - | 756.06 | - | - |
| Absolute Stack Gas Pressure | mmHg | - | - | 755.70 | - | - |
| Dry Gas Meter Temperature | °C | - | - | 36.5 | - | - |
| Stack Temperature | °C | - | - | 218 | - | - |
| Moisture | % | - | - | 4.28 | - | - |
| Velocity | m/s | - | - | 10.96 | - | - |
| Flow Rate (Qsd) | m ³ /s | - | - | 0.575 | - | - |
| Carbon Dioxide | % | - | - | 0.17 | - | - |
| Oxygen | % | - | - | 20.7 | - | - |
| Carbon Monoxide | mg/m ³ | Gas Bag | Non-Dispersive (U.S. EPA Method 10) | 19 | 790 | 100 |
| Carbon Monoxide | ppm | Gas Bag | Non-Dispersive (U.S. EPA Method 10) | 17 | 690 | - |
| Emission Rate of Carbon Monoxide | g/s | - | Calculate | 0.011 | - | - |
| Oxide of Nitrogen | mg/m ³ | Vacuum Flask | Colorimetric Method (U.S. EPA Method 7) | 9 | 376 | 200 |
| Oxide of Nitrogen | ppm | Vacuum Flask | Colorimetric Method (U.S. EPA Method 7) | 5 | 200 | - |
| Emission Rate of Oxide of Nitrogen | g/s | - | Calculate | 0.005 | - | - |

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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Laboratory Operator

31 / 5 / 23

Laboratory Supervisor

31 / 5 / 23

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



Ref. No. A213/05/23
338/12/65

Report No. 2305/479_1

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 Daengklom
S.P.S. Consulting Service Co., Ltd.

Sampling Date : 15 May 2023
Date Received : 16 May 2023
Date of Analysis : 16-29 May 2023
Date Reported : 31 May 2023

| Parameter | Unit | Sampling Method | Analytical Method | Catalytic Off Gas Incinerator Stack of CP1 | Standard | |
|-------------------------------|-------------------|-----------------|--------------------------------|---|----------|-----|
| | | | | | [1] | [2] |
| Sampling Time | - | - | - | 14:30-15:12 | - | - |
| Height | m. | - | - | 30.0 | - | - |
| Diameter | cm. | - | - | 34.0 | - | - |
| Barometric Pressure | mmHg | - | - | 756.06 | - | - |
| Absolute Stack Gas Pressure | mmHg | - | - | 755.70 | - | - |
| Dry Gas Meter Temperature | °C | - | - | 36.5 | - | - |
| Stack Temperature | °C | - | - | 218 | - | - |
| Moisture | % | - | - | 4.28 | - | - |
| Velocity | m/s | - | - | 10.96 | - | - |
| Flow Rate (Qsd) | m ³ /s | - | - | 0.575 | - | - |
| Carbon Dioxide | % | - | - | 0.17 | - | - |
| Oxygen | % | - | - | 20.7 | - | - |
| Acetaldehyde | mg/m ³ | Sorbent Tube | GC/FID (U.S. EPA Method 18) | <0.2 | - | - |
| Acetaldehyde | µg/m ³ | Sorbent Tube | GC/FID (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.

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

Laboratory Operator

31 / 5 / 23

Laboratory Supervisor

31 / 5 / 23

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



Ref. No. A213/05/23
338/12/65

Report No. 2305/479_2

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 Daengklom
S.P.S. Consulting Service Co., Ltd.

Sampling Date : 15 May 2023
Date Received : 16 May 2023
Date of Analysis : 16-29 May 2023
Date Reported : 31 May 2023

| Parameter | Unit | Sampling Method | Analytical Method | Catalytic Off Gas Incinerator Stack of CP1 | Standard | |
|-----------------------------|-------------------|-----------------|--------------------|---|----------|-----|
| | | | | | [1] | [2] |
| Sampling Time | - | - | - | 14:30-15:12 | - | - |
| Height | m. | - | - | 30.0 | - | - |
| Diameter | cm. | - | - | 34.0 | - | - |
| Barometric Pressure | mmHg | - | - | 756.06 | - | - |
| Absolute Stack Gas Pressure | mmHg | - | - | 755.70 | - | - |
| Dry Gas Meter Temperature | °C | - | - | 36.5 | - | - |
| Stack Temperature | °C | - | - | 218 | - | - |
| Moisture | % | - | - | 4.28 | - | - |
| Velocity | m/s | - | - | 10.96 | - | - |
| Flow Rate (Qsd) | m ³ /s | - | - | 0.575 | - | - |
| Carbon Dioxide | % | - | - | 0.17 | - | - |
| Oxygen | % | - | - | 20.7 | - | - |
| Total VOC | mg/m ³ | Gas Bag | VOC Analyzer (PID) | 17 | - | 20 |
| Emission Rate of Total VOC | g/s | - | Calculate | 0.010 | - | - |

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.

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

Laboratory Operator

31 / 5 / 23

Laboratory Supervisor

31 / 5 / 23

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



Ref. No. A214/05/23
338/12/65

Report No. 2305/479

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 Daengklom (ว-011-ค-8008)
S.P.S. Consulting Service Co., Ltd.

Sampling Date : 15 May 2023
Date Received : 16 May 2023
Date of Analysis : 16-29 May 2023
Date Reported : 31 May 2023

| Parameter | Unit | Sampling Method | Analytical Method | Catalytic Off Gas Incinerator Stack of CP2 | Standard | |
|------------------------------------|-------------------|-----------------|--|---|----------|-----|
| | | | | | [1] | [2] |
| Sampling Time | - | - | - | 11:20-12:02 | - | - |
| Height | m. | - | - | 30.0 | - | - |
| Diameter | cm. | - | - | 30.0 | - | - |
| Barometric Pressure | mmHg | - | - | 756.06 | - | - |
| Absolute Stack Gas Pressure | mmHg | - | - | 755.79 | - | - |
| Dry Gas Meter Temperature | °C | - | - | 36.5 | - | - |
| Stack Temperature | °C | - | - | 220 | - | - |
| Moisture | % | - | - | 4.76 | - | - |
| Velocity | m/s | - | - | 9.51 | - | - |
| Flow Rate (Qsd) | m ³ /s | - | - | 0.385 | - | - |
| Carbon Dioxide | % | - | - | 1.87 | - | - |
| Oxygen | % | - | - | 17.7 | - | - |
| Carbon Monoxide | mg/m ³ | Gas Bag | Non-Dispersive (U.S. EPA Method 10) | 5.3 | 790 | 100 |
| Carbon Monoxide | ppm | Gas Bag | Non-Dispersive (U.S. EPA Method 10) | 4.6 | 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) | 8 | 376 | 200 |
| Oxide of Nitrogen | ppm | Vacuum Flask | Colorimetric Method (U.S. EPA Method 7) | 4 | 200 | - |
| Emission Rate of Oxide of Nitrogen | g/s | - | Calculate | 0.003 | - | - |

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.

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

Laboratory Operator
31 / 5 / 23

Laboratory Supervisor
31 / 5 / 23

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



Ref. No. A214/05/23
338/12/65

Report No. 2305/479_1

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 Daengklom
S.P.S. Consulting Service Co., Ltd.

Sampling Date : 15 May 2023
Date Received : 17 May 2023
Date of Analysis : 17-29 May 2023
Date Reported : 31 May 2023

| Parameter | Unit | Sampling Method | Analytical Method | Catalytic Off Gas Incinerator Stack of CP2 | Standard | |
|-------------------------------|-------------------|-----------------|--------------------------------|---|----------|-----|
| | | | | | [1] | [2] |
| Sampling Time | - | - | - | 11:20-12:02 | - | - |
| Height | m. | - | - | 30.0 | - | - |
| Diameter | cm. | - | - | 30.0 | - | - |
| Barometric Pressure | mmHg | - | - | 756.06 | - | - |
| Absolute Stack Gas Pressure | mmHg | - | - | 755.79 | - | - |
| Dry Gas Meter Temperature | °C | - | - | 36.5 | - | - |
| Stack Temperature | °C | - | - | 220 | - | - |
| Moisture | % | - | - | 4.76 | - | - |
| Velocity | m/s | - | - | 9.51 | - | - |
| Flow Rate (Qsd) | m ³ /s | - | - | 0.385 | - | - |
| Carbon Dioxide | % | - | - | 1.87 | - | - |
| Oxygen | % | - | - | 17.7 | - | - |
| Acetaldehyde | mg/m ³ | Sorbent Tube | GC/FID (U.S. EPA Method 18) | <0.2 | - | - |
| Acetaldehyde | µg/m ³ | Sorbent Tube | GC/FID (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.

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

Laboratory Operator

31 / 5 / 23

Laboratory Supervisor

31 / 5 / 23

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



Ref. No. A214/05/23
338/12/65

Report No. 2305/479_2

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 Daengklom
S.P.S. Consulting Service Co., Ltd.

Sampling Date : 15 May 2023
Date Received : 16 May 2023
Date of Analysis : 16-29 May 2023
Date Reported : 31 May 2023

| Parameter | Unit | Sampling Method | Analytical Method | Catalytic Off Gas Incinerator Stack of CP2 | Standard | |
|-----------------------------|-------------------|-----------------|--------------------|---|----------|-----|
| | | | | | [1] | [2] |
| Sampling Time | - | - | - | 11:20-12:02 | - | - |
| Height | m. | - | - | 30.0 | - | - |
| Diameter | cm. | - | - | 30.0 | - | - |
| Barometric Pressure | mmHg | - | - | 756.06 | - | - |
| Absolute Stack Gas Pressure | mmHg | - | - | 755.79 | - | - |
| Dry Gas Meter Temperature | °C | - | - | 36.5 | - | - |
| Stack Temperature | °C | - | - | 220 | - | - |
| Moisture | % | - | - | 4.76 | - | - |
| Velocity | m/s | - | - | 9.51 | - | - |
| Flow Rate (Qsd) | m ³ /s | - | - | 0.385 | - | - |
| Carbon Dioxide | % | - | - | 1.87 | - | - |
| Oxygen | % | - | - | 17.7 | - | - |
| Total VOC | mg/m ³ | Gas Bag | VOC Analyzer (PID) | 18 | - | 20 |
| Emission Rate of Total VOC | g/s | - | Calculate | 0.007 | - | - |

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.

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

Laboratory Operator

... 31 / 5 / 23

Laboratory Supervisor

... 31 / 5 / 23

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

ระดับเสียงในบรรยากาศ



BY136/05/66

338/12/65

Noise Level Report

Project : Asia Pet (Thailand) Co., Ltd. Sampling Date : 16-17 May 2023
Project Location : 61/1 Moo 11, Bangngha-Thaklong Road Date Reported : 26 May 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)] | |
| 15:00-16:00 | 66.6 | 66.0 | - |
| 16:00-17:00 | 67.0 | 66.1 | - |
| 17:00-18:00 | 66.7 | 65.9 | - |
| 18:00-19:00 | 66.8 | 66.3 | - |
| 19:00-20:00 | 67.2 | 66.1 | - |
| 20:00-21:00 | 66.9 | 66.4 | - |
| 21:00-22:00 | 67.3 | 66.7 | - |
| 22:00-23:00 | 67.6 | 66.6 | - |
| 23:00-00:00 | 67.0 | 66.5 | - |
| 00:00-01:00 | 67.0 | 66.5 | - |
| 01:00-02:00 | 67.0 | 66.5 | - |
| 02:00-03:00 | 67.1 | 66.6 | - |
| 03:00-04:00 | 67.1 | 66.7 | - |
| 04:00-05:00 | 67.2 | 66.7 | - |
| 05:00-06:00 | 67.3 | 66.7 | - |
| 06:00-07:00 | 67.0 | 66.5 | - |
| 07:00-08:00 | 66.6 | 66.1 | - |
| 08:00-09:00 | 66.7 | 66.1 | - |
| 09:00-10:00 | 67.0 | 66.3 | - |
| 10:00-11:00 | 67.3 | 66.6 | - |
| 11:00-12:00 | 67.5 | 66.6 | - |
| 12:00-13:00 | 67.3 | 66.6 | - |
| 13:00-14:00 | 67.3 | 66.6 | - |
| 14:00-15:00 | 67.7 | 67.0 | - |
| L_{eq} 24 hr [dB(A)] | 67.1 | - | Less Than 70.0 |
| L_{max} [dB(A)] | 83.3 | - | Less Than 115.0 |
| L_{dn} [dB(A)] | 73.5 | - | - |
| - | Sound Level Meter Data | | |
| | Calibrate Sheet No.: Noise B 093/23 | | 15 May 2023 |
| | SLM No. | Brand | Model |
| | ACO-B13 | ACO | 6236 |
| | 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 : 16-17 May 2023
Project Location : 61/1 Moo 11, Bangngha-Thaklong Road Date Reported : 26 May 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)] | |
| 15:00-16:00 | 70.1 | 63.6 | - |
| 16:00-17:00 | 70.4 | 62.3 | - |
| 17:00-18:00 | 68.1 | 62.6 | - |
| 18:00-19:00 | 67.9 | 62.3 | - |
| 19:00-20:00 | 68.5 | 64.1 | - |
| 20:00-21:00 | 70.3 | 63.9 | - |
| 21:00-22:00 | 70.5 | 65.2 | - |
| 22:00-23:00 | 70.4 | 64.9 | - |
| 23:00-00:00 | 69.2 | 63.8 | - |
| 00:00-01:00 | 70.1 | 64.0 | - |
| 01:00-02:00 | 69.2 | 63.5 | - |
| 02:00-03:00 | 70.4 | 63.6 | - |
| 03:00-04:00 | 69.8 | 65.2 | - |
| 04:00-05:00 | 70.3 | 63.4 | - |
| 05:00-06:00 | 69.6 | 61.2 | - |
| 06:00-07:00 | 67.8 | 63.4 | - |
| 07:00-08:00 | 69.4 | 61.8 | - |
| 08:00-09:00 | 67.9 | 66.0 | - |
| 09:00-10:00 | 70.4 | 67.9 | - |
| 10:00-11:00 | 69.5 | 68.2 | - |
| 11:00-12:00 | 68.9 | 65.4 | - |
| 12:00-13:00 | 70.1 | 64.5 | - |
| 13:00-14:00 | 68.8 | 63.5 | - |
| 14:00-15:00 | 68.3 | 66.6 | - |
| L_{eq} 24 hr [dB(A)] | 69.5 | - | Less Than 70.0 |
| L_{max} [dB(A)] | 97.4 | - | Less Than 115.0 |
| L_{dn} [dB(A)] | 76.1 | - | - |
| - | Sound Level Meter Data | | |
| | Calibrate Sheet No.: Noise B 093/23 | | 15 May 2023 |
| | SLM No. | Brand | Model Serial No. |
| | ACO-B36 | ACO | 6236 00192027 |
| | Actual Reading [dB] | | |
| | Before Adjustment | | After Adjustment |
| 94.1 | | 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 : 16-17 May 2023
Project Location : 61/1 Moo 11, Bangngha-Thaklong Road Date Reported : 26 May 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)] | |
| 15:00-16:00 | 61.2 | 57.4 | - |
| 16:00-17:00 | 60.2 | 59.2 | - |
| 17:00-18:00 | 65.7 | 56.9 | - |
| 18:00-19:00 | 62.1 | 57.5 | - |
| 19:00-20:00 | 59.0 | 56.9 | - |
| 20:00-21:00 | 57.5 | 56.3 | - |
| 21:00-22:00 | 58.6 | 56.9 | - |
| 22:00-23:00 | 57.0 | 56.2 | - |
| 23:00-00:00 | 57.9 | 56.2 | - |
| 00:00-01:00 | 57.1 | 56.3 | - |
| 01:00-02:00 | 57.6 | 56.2 | - |
| 02:00-03:00 | 56.7 | 56.0 | - |
| 03:00-04:00 | 61.3 | 56.4 | - |
| 04:00-05:00 | 58.6 | 57.4 | - |
| 05:00-06:00 | 59.9 | 58.0 | - |
| 06:00-07:00 | 59.4 | 57.1 | - |
| 07:00-08:00 | 59.3 | 56.7 | - |
| 08:00-09:00 | 60.2 | 56.5 | - |
| 09:00-10:00 | 60.0 | 56.6 | - |
| 10:00-11:00 | 61.8 | 58.1 | - |
| 11:00-12:00 | 59.2 | 56.4 | - |
| 12:00-13:00 | 58.6 | 55.9 | - |
| 13:00-14:00 | 57.3 | 55.7 | - |
| 14:00-15:00 | 62.5 | 55.9 | - |
| L_{eq} 24 hr [dB(A)] | 60.1 | - | Less Than 70.0 |
| L_{max} [dB(A)] | 91.7 | - | Less Than 115.0 |
| L_{dn} [dB(A)] | 65.4 | - | - |
| - | Sound Level Meter Data | | |
| | Calibrate Sheet No.: Noise B 093/23 | | 15 May 2023 |
| | SLM No. | Brand | Model |
| | ACO-B03 | ACO | 6236 |
| | Actual Reading [dB] | | Serial No. |
| | Before Adjustment | | 00222297 |
| 94.0 | | After Adjustment | |
| | | 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 : 16-17 May 2023
Project Location : 61/1 Moo 11, Bangngha-Thaklong Road Date Reported : 26 May 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)] | |
| 15:00-16:00 | 61.4 | 58.2 | - |
| 16:00-17:00 | 62.7 | 57.7 | - |
| 17:00-18:00 | 61.2 | 58.7 | - |
| 18:00-19:00 | 61.6 | 58.3 | - |
| 19:00-20:00 | 65.2 | 60.5 | - |
| 20:00-21:00 | 63.6 | 61.8 | - |
| 21:00-22:00 | 64.7 | 62.9 | - |
| 22:00-23:00 | 64.0 | 62.7 | - |
| 23:00-00:00 | 64.6 | 62.5 | - |
| 00:00-01:00 | 63.3 | 61.6 | - |
| 01:00-02:00 | 62.9 | 60.6 | - |
| 02:00-03:00 | 62.3 | 60.8 | - |
| 03:00-04:00 | 67.3 | 61.5 | - |
| 04:00-05:00 | 66.5 | 63.7 | - |
| 05:00-06:00 | 69.8 | 64.8 | - |
| 06:00-07:00 | 65.4 | 58.6 | - |
| 07:00-08:00 | 60.0 | 58.2 | - |
| 08:00-09:00 | 61.7 | 58.4 | - |
| 09:00-10:00 | 60.1 | 57.9 | - |
| 10:00-11:00 | 63.1 | 58.4 | - |
| 11:00-12:00 | 61.1 | 58.3 | - |
| 12:00-13:00 | 61.2 | 58.4 | - |
| 13:00-14:00 | 59.7 | 57.1 | - |
| 14:00-15:00 | 60.1 | 57.5 | - |
| L_{eq} 24 hr [dB(A)] | 63.9 | - | Less Than 70.0 |
| L_{max} [dB(A)] | 93.3 | - | Less Than 115.0 |
| L_{dn} [dB(A)] | 71.8 | - | - |
| - | Sound Level Meter Data | | |
| | Calibrate Sheet No.: Noise B 093/23 | | 15 May 2023 |
| | SLM No. | Brand | Model Serial No. |
| | ACO-B40 | ACO | 6236 00192031 |
| | 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

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บริษัท เอส.พี.เอส. คอนซัลติ้ง เซอร์วิส จำกัด

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

7 ซอยพหลโยธิน 24 ถนนพหลโยธิน แขวงจอมพล เขตจตุจักร กรุงเทพฯ 10900

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Noise Level Report

Project : Asia Pet (Thailand) Co., Ltd. Sampling Date : 16-17 May 2023
Project Location : 61/1 Moo 11, Bangngha-Thaklong Road Date Reported : 26 May 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)] | |
| 14:00-15:00 | 57.9 | 49.3 | - |
| 15:00-16:00 | 56.6 | 49.0 | - |
| 16:00-17:00 | 58.0 | 50.8 | - |
| 17:00-18:00 | 57.4 | 52.2 | - |
| 18:00-19:00 | 56.9 | 51.8 | - |
| 19:00-20:00 | 58.9 | 56.2 | - |
| 20:00-21:00 | 56.9 | 55.8 | - |
| 21:00-22:00 | 56.0 | 54.1 | - |
| 22:00-23:00 | 54.5 | 52.0 | - |
| 23:00-00:00 | 53.4 | 49.8 | - |
| 00:00-01:00 | 52.6 | 48.8 | - |
| 01:00-02:00 | 52.0 | 47.4 | - |
| 02:00-03:00 | 50.4 | 47.8 | - |
| 03:00-04:00 | 51.6 | 49.0 | - |
| 04:00-05:00 | 53.4 | 48.8 | - |
| 05:00-06:00 | 55.8 | 50.5 | - |
| 06:00-07:00 | 58.0 | 51.4 | - |
| 07:00-08:00 | 58.9 | 52.1 | - |
| 08:00-09:00 | 58.5 | 51.3 | - |
| 09:00-10:00 | 60.1 | 49.4 | - |
| 10:00-11:00 | 58.8 | 49.6 | - |
| 11:00-12:00 | 58.5 | 48.6 | - |
| 12:00-13:00 | 58.4 | 48.5 | - |
| 13:00-14:00 | 58.3 | 49.5 | - |
| L_{eq} 24 hr [dB(A)] | 57.0 | - | Less Than 70.0 |
| L_{max} [dB(A)] | 94.1 | - | Less Than 115.0 |
| L_{dn} [dB(A)] | 61.4 | - | - |
| - | Sound Level Meter Data | | |
| | Calibrate Sheet No.: Noise B 093 1/23 | | 15 May 2023 |
| | SLM No. | Brand | Model Serial No. |
| | CR-B09 | Cirrus | CR161B G301401 |
| | 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

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Noise Level Report

Project : Asia Pet (Thailand) Co., Ltd. Sampling Date : 16-17 May 2023
Project Location : 61/1 Moo 11, Bangngha-Thaklong Road Date Reported : 26 May 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)] | |
| 13:00-14:00 | 56.0 | | 47.7 | - |
| 14:00-15:00 | 57.1 | | 48.8 | - |
| 15:00-16:00 | 58.3 | | 47.0 | - |
| 16:00-17:00 | 60.0 | | 47.8 | - |
| 17:00-18:00 | 60.2 | | 49.2 | - |
| 18:00-19:00 | 58.3 | | 52.1 | - |
| 19:00-20:00 | 59.4 | | 55.5 | - |
| 20:00-21:00 | 57.7 | | 54.7 | - |
| 21:00-22:00 | 57.6 | | 56.0 | - |
| 22:00-23:00 | 57.3 | | 55.7 | - |
| 23:00-00:00 | 57.1 | | 54.2 | - |
| 00:00-01:00 | 57.7 | | 53.5 | - |
| 01:00-02:00 | 58.2 | | 54.8 | - |
| 02:00-03:00 | 58.2 | | 56.9 | - |
| 03:00-04:00 | 58.7 | | 55.9 | - |
| 04:00-05:00 | 58.3 | | 52.7 | - |
| 05:00-06:00 | 58.4 | | 52.6 | - |
| 06:00-07:00 | 58.9 | | 50.0 | - |
| 07:00-08:00 | 58.7 | | 49.3 | - |
| 08:00-09:00 | 57.4 | | 48.3 | - |
| 09:00-10:00 | 57.1 | | 48.3 | - |
| 10:00-11:00 | 58.2 | | 47.9 | - |
| 11:00-12:00 | 58.1 | | 48.8 | - |
| 12:00-13:00 | 56.6 | | 48.0 | - |
| L_{eq} 24 hr [dB(A)] | 58.2 | | - | Less Than 70.0 |
| L_{max} [dB(A)] | 96.7 | | - | Less Than 115.0 |
| L_{dn} [dB(A)] | 64.5 | | - | - |
| - | Sound Level Meter Data | | | |
| | Calibrate Sheet No.: Noise B 1/23 | | 15 May 2023 | |
| | SLM No. | Brand | Model | Serial No. |
| | CR-B10 | Cirrus | CR161B | G301407 |
| | 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

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Nuisance Noise Level Report

Project : Asia Pet (Thailand) Co., Ltd. Sampling Date : 16-17 May 2023
Project Location : 61/1 Moo 11, Bangngha-Thaklong Road Date Reported : 26 May 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)] |
| 14:00-14:05 | 58.2 | 54.7 | 58.6 | 49.7 | 8.9 |
| 14:05-14:10 | 58.7 | 54.7 | 59.5 | 49.7 | 9.8 |
| 14:10-14:15 | 57.3 | 54.7 | 56.8 | 49.7 | 7.1 |
| 14:15-14:20 | 58.3 | 54.7 | 58.8 | 49.7 | 9.1 |
| 14:20-14:25 | 58.6 | 54.7 | 59.3 | 49.7 | 9.6 |
| 14:25-14:30 | 58.6 | 54.7 | 59.3 | 49.7 | 9.6 |
| 14:30-14:35 | 56.6 | 54.7 | 55.1 | 49.7 | 5.4 |
| 14:35-14:40 | 57.8 | 54.7 | 57.9 | 49.7 | 8.2 |
| 14:40-14:45 | 57.7 | 54.7 | 57.7 | 49.7 | 8.0 |
| 14:45-14:50 | 57.3 | 54.7 | 56.8 | 49.7 | 7.1 |
| 14:50-14:55 | 57.5 | 54.7 | 57.3 | 49.7 | 7.6 |
| 14:55-15:00 | 58.2 | 54.7 | 58.6 | 49.7 | 8.9 |
| 15:00-15:05 | 57.0 | 55.0 | 55.7 | 46.0 | 9.7 |
| 15:05-15:10 | 56.2 | 55.0 | 53.0 | 46.0 | 7.0 |
| 15:10-15:15 | 56.6 | 55.0 | 54.5 | 46.0 | 8.5 |
| 15:15-15:20 | 56.6 | 55.0 | 54.5 | 46.0 | 8.5 |
| 15:20-15:25 | 56.4 | 55.0 | 53.8 | 46.0 | 7.8 |
| 15:25-15:30 | 56.5 | 55.0 | 54.2 | 46.0 | 8.2 |
| 15:30-15:35 | 56.2 | 55.0 | 53.0 | 46.0 | 7.0 |
| 15:35-15:40 | 56.1 | 55.0 | 52.6 | 46.0 | 6.6 |
| 15:40-15:45 | 56.4 | 55.0 | 53.8 | 46.0 | 7.8 |
| 15:45-15:50 | 57.0 | 55.0 | 55.7 | 46.0 | 9.7 |
| 15:50-15:55 | 56.9 | 55.0 | 55.4 | 46.0 | 9.4 |
| 15:55-16:00 | 56.9 | 55.0 | 55.4 | 46.0 | 9.4 |
| 16:00-16:05 | 58.3 | 56.4 | 56.8 | 47.7 | 9.1 |
| 16:05-16:10 | 58.5 | 56.4 | 57.3 | 47.7 | 9.6 |
| 16:10-16:15 | 57.9 | 56.4 | 55.6 | 47.7 | 7.9 |
| 16:15-16:20 | 57.5 | 56.4 | 54.0 | 47.7 | 6.3 |
| 16:20-16:25 | 58.1 | 56.4 | 56.2 | 47.7 | 8.5 |
| 16:25-16:30 | 58.6 | 56.4 | 57.6 | 47.7 | 9.9 |
| 16:30-16:35 | 57.3 | 56.4 | 53.0 | 47.7 | 5.3 |
| 16:35-16:40 | 58.3 | 56.4 | 56.8 | 47.7 | 9.1 |
| 16:40-16:45 | 57.8 | 56.4 | 55.2 | 47.7 | 7.5 |
| 16:45-16:50 | 56.8 | 56.4 | 49.2 | 47.7 | 1.5 |
| 16:50-16:55 | 58.4 | 56.4 | 57.1 | 47.7 | 9.4 |
| 16:55-17:00 | 57.9 | 56.4 | 55.6 | 47.7 | 7.9 |
| 17:00-17:05 | 56.7 | 55.1 | 54.6 | 47.7 | 6.9 |
| 17:05-17:10 | 57.1 | 55.1 | 55.8 | 47.7 | 8.1 |
| 17:10-17:15 | 57.5 | 55.1 | 56.8 | 47.7 | 9.1 |
| 17:15-17:20 | 57.3 | 55.1 | 56.3 | 47.7 | 8.6 |
| 17:20-17:25 | 57.7 | 55.1 | 57.2 | 47.7 | 9.5 |
| 17:25-17:30 | 57.7 | 55.1 | 57.2 | 47.7 | 9.5 |
| 17:30-17:35 | 57.1 | 55.1 | 55.8 | 47.7 | 8.1 |
| 17:35-17:40 | 57.7 | 55.1 | 57.2 | 47.7 | 9.5 |
| 17:40-17:45 | 57.7 | 55.1 | 57.2 | 47.7 | 9.5 |
| 17:45-17:50 | 57.2 | 55.1 | 56.0 | 47.7 | 8.3 |
| 17:50-17:55 | 57.6 | 55.1 | 57.0 | 47.7 | 9.3 |
| 17:55-18:00 | 57.5 | 55.1 | 56.8 | 47.7 | 9.1 |



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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)] |
| 18:00-18:05 | 57.5 | 54.5 | 57.5 | 47.6 | 9.9 |
| 18:05-18:10 | 56.1 | 54.5 | 54.0 | 47.6 | 6.4 |
| 18:10-18:15 | 57.4 | 54.5 | 57.3 | 47.6 | 9.7 |
| 18:15-18:20 | 56.6 | 54.5 | 55.4 | 47.6 | 7.8 |
| 18:20-18:25 | 56.6 | 54.5 | 55.4 | 47.6 | 7.8 |
| 18:25-18:30 | 57.5 | 54.5 | 57.5 | 47.6 | 9.9 |
| 18:30-18:35 | 56.8 | 54.5 | 55.9 | 47.6 | 8.3 |
| 18:35-18:40 | 57.2 | 54.5 | 56.9 | 47.6 | 9.3 |
| 18:40-18:45 | 57.3 | 54.5 | 57.1 | 47.6 | 9.5 |
| 18:45-18:50 | 56.7 | 54.5 | 55.7 | 47.6 | 8.1 |
| 18:50-18:55 | 57.0 | 54.5 | 56.4 | 47.6 | 8.8 |
| 18:55-19:00 | 56.3 | 54.5 | 54.6 | 47.6 | 7.0 |
| 19:00-19:05 | 58.1 | 55.4 | 57.8 | 51.8 | 6.0 |
| 19:05-19:10 | 56.6 | 55.4 | 53.4 | 51.8 | 1.6 |
| 19:10-19:15 | 59.4 | 55.4 | 60.2 | 51.8 | 8.4 |
| 19:15-19:20 | 58.9 | 55.4 | 59.3 | 51.8 | 7.5 |
| 19:20-19:25 | 59.5 | 55.4 | 60.4 | 51.8 | 8.6 |
| 19:25-19:30 | 59.2 | 55.4 | 59.9 | 51.8 | 8.1 |
| 19:30-19:35 | 59.7 | 55.4 | 60.7 | 51.8 | 8.9 |
| 19:35-19:40 | 59.5 | 55.4 | 60.4 | 51.8 | 8.6 |
| 19:40-19:45 | 59.1 | 55.4 | 59.7 | 51.8 | 7.9 |
| 19:45-19:50 | 60.3 | 55.4 | 61.6 | 51.8 | 9.8 |
| 19:50-19:55 | 58.3 | 55.4 | 58.2 | 51.8 | 6.4 |
| 19:55-20:00 | 57.3 | 55.4 | 55.8 | 51.8 | 4.0 |
| 20:00-20:05 | 57.6 | 53.2 | 58.6 | 48.9 | 9.7 |
| 20:05-20:10 | 57.4 | 53.2 | 58.3 | 48.9 | 9.4 |
| 20:10-20:15 | 56.7 | 53.2 | 57.1 | 48.9 | 8.2 |
| 20:15-20:20 | 57.0 | 53.2 | 57.7 | 48.9 | 8.8 |
| 20:20-20:25 | 56.9 | 53.2 | 57.5 | 48.9 | 8.6 |
| 20:25-20:30 | 56.8 | 53.2 | 57.3 | 48.9 | 8.4 |
| 20:30-20:35 | 56.7 | 53.2 | 57.1 | 48.9 | 8.2 |
| 20:35-20:40 | 56.5 | 53.2 | 56.8 | 48.9 | 7.9 |
| 20:40-20:45 | 56.7 | 53.2 | 57.1 | 48.9 | 8.2 |
| 20:45-20:50 | 54.9 | 53.2 | 53.0 | 48.9 | 4.1 |
| 20:50-20:55 | 57.1 | 53.2 | 57.8 | 48.9 | 8.9 |
| 20:55-21:00 | 57.6 | 53.2 | 58.6 | 48.9 | 9.7 |
| 21:00-21:05 | 56.4 | 52.6 | 57.1 | 47.6 | 9.5 |
| 21:05-21:10 | 54.9 | 52.6 | 54.0 | 47.6 | 6.4 |
| 21:10-21:15 | 55.9 | 52.6 | 56.2 | 47.6 | 8.6 |
| 21:15-21:20 | 56.0 | 52.6 | 56.3 | 47.6 | 8.7 |
| 21:20-21:25 | 56.5 | 52.6 | 57.2 | 47.6 | 9.6 |
| 21:25-21:30 | 56.0 | 52.6 | 56.3 | 47.6 | 8.7 |
| 21:30-21:35 | 56.2 | 52.6 | 56.7 | 47.6 | 9.1 |
| 21:35-21:40 | 56.2 | 52.6 | 56.7 | 47.6 | 9.1 |
| 21:40-21:45 | 54.2 | 52.6 | 52.1 | 47.6 | 4.5 |
| 21:45-21:50 | 56.4 | 52.6 | 57.1 | 47.6 | 9.5 |
| 21:50-21:55 | 56.0 | 52.6 | 56.3 | 47.6 | 8.7 |
| 21:55-22:00 | 56.5 | 52.6 | 57.2 | 47.6 | 9.6 |
| 22:00-22:05 | 55.2 | 50.7 | 56.3 | 46.4 | 9.9 |
| 22:05-22:10 | 55.2 | 50.7 | 56.3 | 46.4 | 9.9 |
| 22:10-22:15 | 55.1 | 50.7 | 56.1 | 46.4 | 9.7 |
| 22:15-22:20 | 54.6 | 50.7 | 55.3 | 46.4 | 8.9 |
| 22:20-22:25 | 54.4 | 50.7 | 55.0 | 46.4 | 8.6 |
| 22:25-22:30 | 55.1 | 50.7 | 56.1 | 46.4 | 9.7 |
| 22:30-22:35 | 55.2 | 50.7 | 56.3 | 46.4 | 9.9 |



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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)] |
| 22:35-22:40 | 54.4 | 50.7 | 55.0 | 46.4 | 8.6 |
| 22:40-22:45 | 54.8 | 50.7 | 55.7 | 46.4 | 9.3 |
| 22:45-22:50 | 52.4 | 50.7 | 50.5 | 46.4 | 4.1 |
| 22:50-22:55 | 55.0 | 50.7 | 56.0 | 46.4 | 9.6 |
| 22:55-23:00 | 50.5 | 50.7 | * | 46.4 | * |
| 23:00-23:05 | 52.1 | 50.7 | 49.5 | 46.7 | 2.8 |
| 23:05-23:10 | 54.9 | 50.7 | 55.8 | 46.7 | 9.1 |
| 23:10-23:15 | 52.3 | 50.7 | 50.2 | 46.7 | 3.5 |
| 23:15-23:20 | 51.7 | 50.7 | 47.8 | 46.7 | 1.1 |
| 23:20-23:25 | 51.1 | 50.7 | 43.5 | 46.7 | -3.2 |
| 23:25-23:30 | 55.3 | 50.7 | 56.5 | 46.7 | 9.8 |
| 23:30-23:35 | 51.9 | 50.7 | 48.7 | 46.7 | 2.0 |
| 23:35-23:40 | 53.7 | 50.7 | 53.7 | 46.7 | 7.0 |
| 23:40-23:45 | 54.8 | 50.7 | 55.7 | 46.7 | 9.0 |
| 23:45-23:50 | 52.5 | 50.7 | 50.8 | 46.7 | 4.1 |
| 23:50-23:55 | 52.7 | 50.7 | 51.4 | 46.7 | 4.7 |
| 23:55-00:00 | 55.0 | 50.7 | 56.0 | 46.7 | 9.3 |
| 00:00-00:05 | 50.7 | 51.1 | * | 48.3 | * |
| 00:05-00:10 | 50.7 | 51.1 | * | 48.3 | * |
| 00:10-00:15 | 52.5 | 51.1 | 49.9 | 48.3 | 1.6 |
| 00:15-00:20 | 51.9 | 51.1 | 47.2 | 48.3 | -1.1 |
| 00:20-00:25 | 50.7 | 51.1 | * | 48.3 | * |
| 00:25-00:30 | 48.2 | 51.1 | * | 48.3 | * |
| 00:30-00:35 | 52.2 | 51.1 | 48.7 | 48.3 | 0.4 |
| 00:35-00:40 | 55.6 | 51.1 | 56.7 | 48.3 | 8.4 |
| 00:40-00:45 | 55.5 | 51.1 | 56.5 | 48.3 | 8.2 |
| 00:45-00:50 | 52.7 | 51.1 | 50.6 | 48.3 | 2.3 |
| 00:50-00:55 | 53.1 | 51.1 | 51.8 | 48.3 | 3.5 |
| 00:55-01:00 | 51.9 | 51.1 | 47.2 | 48.3 | -1.1 |
| 01:00-01:05 | 51.5 | 50.0 | 49.2 | 45.1 | 4.1 |
| 01:05-01:10 | 51.1 | 50.0 | 47.6 | 45.1 | 2.5 |
| 01:10-01:15 | 53.0 | 50.0 | 53.0 | 45.1 | 7.9 |
| 01:15-01:20 | 53.7 | 50.0 | 54.3 | 45.1 | 9.2 |
| 01:20-01:25 | 52.5 | 50.0 | 51.9 | 45.1 | 6.8 |
| 01:25-01:30 | 54.0 | 50.0 | 54.8 | 45.1 | 9.7 |
| 01:30-01:35 | 53.4 | 50.0 | 53.7 | 45.1 | 8.6 |
| 01:35-01:40 | 50.7 | 50.0 | 45.4 | 45.1 | 0.3 |
| 01:40-01:45 | 47.0 | 50.0 | * | 45.1 | * |
| 01:45-01:50 | 52.7 | 50.0 | 52.4 | 45.1 | 7.3 |
| 01:50-01:55 | 50.4 | 50.0 | 42.8 | 45.1 | -2.3 |
| 01:55-02:00 | 49.6 | 50.0 | * | 45.1 | * |
| 02:00-02:05 | 50.1 | 49.3 | 45.4 | 45.3 | 0.1 |
| 02:05-02:10 | 53.2 | 49.3 | 53.9 | 45.3 | 8.6 |
| 02:10-02:15 | 48.5 | 49.3 | * | 45.3 | * |
| 02:15-02:20 | 50.3 | 49.3 | 46.4 | 45.3 | 1.1 |
| 02:20-02:25 | 51.9 | 49.3 | 51.4 | 45.3 | 6.1 |
| 02:25-02:30 | 49.2 | 49.3 | * | 45.3 | * |
| 02:30-02:35 | 52.1 | 49.3 | 51.9 | 45.3 | 6.6 |
| 02:35-02:40 | 48.2 | 49.3 | * | 45.3 | * |
| 02:40-02:45 | 50.0 | 49.3 | 44.7 | 45.3 | -0.6 |
| 02:45-02:50 | 48.4 | 49.3 | * | 45.3 | * |
| 02:50-02:55 | 50.8 | 49.3 | 48.5 | 45.3 | 3.2 |
| 02:55-03:00 | 48.6 | 49.3 | * | 45.3 | * |
| 03:00-03:05 | 52.0 | 50.9 | 48.5 | 45.8 | 2.7 |
| 03:05-03:10 | 50.1 | 50.9 | * | 45.8 | * |



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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)] |
| 03:10-03:15 | 49.2 | 50.9 | * | 45.8 | * |
| 03:15-03:20 | 54.1 | 50.9 | 54.3 | 45.8 | 8.5 |
| 03:20-03:25 | 54.1 | 50.9 | 54.3 | 45.8 | 8.5 |
| 03:25-03:30 | 51.9 | 50.9 | 48.0 | 45.8 | 2.2 |
| 03:30-03:35 | 52.7 | 50.9 | 51.0 | 45.8 | 5.2 |
| 03:35-03:40 | 50.9 | 50.9 | * | 45.8 | * |
| 03:40-03:45 | 51.2 | 50.9 | 42.4 | 45.8 | -3.4 |
| 03:45-03:50 | 49.8 | 50.9 | * | 45.8 | * |
| 03:50-03:55 | 48.2 | 50.9 | * | 45.8 | * |
| 03:55-04:00 | 51.4 | 50.9 | 44.8 | 45.8 | -1.0 |
| 04:00-04:05 | 53.2 | 51.4 | 51.5 | 47.2 | 4.3 |
| 04:05-04:10 | 53.6 | 51.4 | 52.6 | 47.2 | 5.4 |
| 04:10-04:15 | 52.5 | 51.4 | 49.0 | 47.2 | 1.8 |
| 04:15-04:20 | 50.4 | 51.4 | * | 47.2 | * |
| 04:20-04:25 | 54.0 | 51.4 | 53.5 | 47.2 | 6.3 |
| 04:25-04:30 | 52.7 | 51.4 | 49.8 | 47.2 | 2.6 |
| 04:30-04:35 | 55.0 | 51.4 | 55.5 | 47.2 | 8.3 |
| 04:35-04:40 | 52.4 | 51.4 | 48.5 | 47.2 | 1.3 |
| 04:40-04:45 | 51.2 | 51.4 | * | 47.2 | * |
| 04:45-04:50 | 54.4 | 51.4 | 54.4 | 47.2 | 7.2 |
| 04:50-04:55 | 53.9 | 51.4 | 53.3 | 47.2 | 6.1 |
| 04:55-05:00 | 55.0 | 51.4 | 55.5 | 47.2 | 8.3 |
| 05:00-05:05 | 54.2 | 52.6 | 52.1 | 47.9 | 4.2 |
| 05:05-05:10 | 55.7 | 52.6 | 55.8 | 47.9 | 7.9 |
| 05:10-05:15 | 54.8 | 52.6 | 53.8 | 47.9 | 5.9 |
| 05:15-05:20 | 53.0 | 52.6 | 45.4 | 47.9 | -2.5 |
| 05:20-05:25 | 56.1 | 52.6 | 56.5 | 47.9 | 8.6 |
| 05:25-05:30 | 56.5 | 52.6 | 57.2 | 47.9 | 9.3 |
| 05:30-05:35 | 55.9 | 52.6 | 56.2 | 47.9 | 8.3 |
| 05:35-05:40 | 55.7 | 52.6 | 55.8 | 47.9 | 7.9 |
| 05:40-05:45 | 56.8 | 52.6 | 57.7 | 47.9 | 9.8 |
| 05:45-05:50 | 56.4 | 52.6 | 57.1 | 47.9 | 9.2 |
| 05:50-05:55 | 55.9 | 52.6 | 56.2 | 47.9 | 8.3 |
| 05:55-06:00 | 56.8 | 52.6 | 57.7 | 47.9 | 9.8 |
| 06:00-06:05 | 58.0 | 56.8 | 54.8 | 49.5 | 5.3 |
| 06:05-06:10 | 57.9 | 56.8 | 54.4 | 49.5 | 4.9 |
| 06:10-06:15 | 57.3 | 56.8 | 50.7 | 49.5 | 1.2 |
| 06:15-06:20 | 57.5 | 56.8 | 52.2 | 49.5 | 2.7 |
| 06:20-06:25 | 55.9 | 56.8 | * | 49.5 | * |
| 06:25-06:30 | 57.6 | 56.8 | 52.9 | 49.5 | 3.4 |
| 06:30-06:35 | 58.6 | 56.8 | 56.9 | 49.5 | 7.4 |
| 06:35-06:40 | 58.1 | 56.8 | 55.2 | 49.5 | 5.7 |
| 06:40-06:45 | 59.4 | 56.8 | 58.9 | 49.5 | 9.4 |
| 06:45-06:50 | 56.6 | 56.8 | * | 49.5 | * |
| 06:50-06:55 | 59.3 | 56.8 | 58.7 | 49.5 | 9.2 |
| 06:55-07:00 | 59.0 | 56.8 | 58.0 | 49.5 | 8.5 |
| 07:00-07:05 | 57.9 | 56.5 | 55.3 | 50.0 | 5.3 |
| 07:05-07:10 | 59.5 | 56.5 | 59.5 | 50.0 | 9.5 |
| 07:10-07:15 | 58.9 | 56.5 | 58.2 | 50.0 | 8.2 |
| 07:15-07:20 | 58.0 | 56.5 | 55.7 | 50.0 | 5.7 |
| 07:20-07:25 | 59.0 | 56.5 | 58.4 | 50.0 | 8.4 |
| 07:25-07:30 | 56.2 | 56.5 | * | 50.0 | * |
| 07:30-07:35 | 59.6 | 56.5 | 59.7 | 50.0 | 9.7 |
| 07:35-07:40 | 59.5 | 56.5 | 59.5 | 50.0 | 9.5 |
| 07:40-07:45 | 58.8 | 56.5 | 57.9 | 50.0 | 7.9 |



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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)] |
| 07:45-07:50 | 59.5 | 56.5 | 59.5 | 50.0 | 9.5 |
| 07:50-07:55 | 59.4 | 56.5 | 59.3 | 50.0 | 9.3 |
| 07:55-08:00 | 59.6 | 56.5 | 59.7 | 50.0 | 9.7 |
| 08:00-08:05 | 58.2 | 56.1 | 57.0 | 49.5 | 7.5 |
| 08:05-08:10 | 58.6 | 56.1 | 58.0 | 49.5 | 8.5 |
| 08:10-08:15 | 58.7 | 56.1 | 58.2 | 49.5 | 8.7 |
| 08:15-08:20 | 59.0 | 56.1 | 58.9 | 49.5 | 9.4 |
| 08:20-08:25 | 58.3 | 56.1 | 57.3 | 49.5 | 7.8 |
| 08:25-08:30 | 58.7 | 56.1 | 58.2 | 49.5 | 8.7 |
| 08:30-08:35 | 58.8 | 56.1 | 58.5 | 49.5 | 9.0 |
| 08:35-08:40 | 57.9 | 56.1 | 56.2 | 49.5 | 6.7 |
| 08:40-08:45 | 57.0 | 56.1 | 52.7 | 49.5 | 3.2 |
| 08:45-08:50 | 58.9 | 56.1 | 58.7 | 49.5 | 9.2 |
| 08:50-08:55 | 59.1 | 56.1 | 59.1 | 49.5 | 9.6 |
| 08:55-09:00 | 58.7 | 56.1 | 58.2 | 49.5 | 8.7 |
| 09:00-09:05 | 59.7 | 62.0 | * | 50.4 | * |
| 09:05-09:10 | 60.3 | 62.0 | * | 50.4 | * |
| 09:10-09:15 | 58.0 | 62.0 | * | 50.4 | * |
| 09:15-09:20 | 59.7 | 62.0 | * | 50.4 | * |
| 09:20-09:25 | 59.0 | 62.0 | * | 50.4 | * |
| 09:25-09:30 | 59.4 | 62.0 | * | 50.4 | * |
| 09:30-09:35 | 62.3 | 62.0 | 53.5 | 50.4 | 3.1 |
| 09:35-09:40 | 59.5 | 62.0 | * | 50.4 | * |
| 09:40-09:45 | 61.0 | 62.0 | * | 50.4 | * |
| 09:45-09:50 | 62.0 | 62.0 | * | 50.4 | * |
| 09:50-09:55 | 58.4 | 62.0 | * | 50.4 | * |
| 09:55-10:00 | 59.4 | 62.0 | * | 50.4 | * |
| 10:00-10:05 | 58.7 | 55.5 | 58.9 | 50.6 | 8.3 |
| 10:05-10:10 | 59.2 | 55.5 | 59.8 | 50.6 | 9.2 |
| 10:10-10:15 | 58.6 | 55.5 | 58.7 | 50.6 | 8.1 |
| 10:15-10:20 | 58.0 | 55.5 | 57.4 | 50.6 | 6.8 |
| 10:20-10:25 | 59.5 | 55.5 | 60.3 | 50.6 | 9.7 |
| 10:25-10:30 | 58.7 | 55.5 | 58.9 | 50.6 | 8.3 |
| 10:30-10:35 | 58.8 | 55.5 | 59.1 | 50.6 | 8.5 |
| 10:35-10:40 | 58.8 | 55.5 | 59.1 | 50.6 | 8.5 |
| 10:40-10:45 | 57.8 | 55.5 | 56.9 | 50.6 | 6.3 |
| 10:45-10:50 | 59.4 | 55.5 | 60.1 | 50.6 | 9.5 |
| 10:50-10:55 | 58.6 | 55.5 | 58.7 | 50.6 | 8.1 |
| 10:55-11:00 | 59.1 | 55.5 | 59.6 | 50.6 | 9.0 |
| 11:00-11:05 | 59.6 | 55.9 | 60.2 | 50.5 | 9.7 |
| 11:05-11:10 | 57.0 | 55.9 | 53.5 | 50.5 | 3.0 |
| 11:10-11:15 | 59.0 | 55.9 | 59.1 | 50.5 | 8.6 |
| 11:15-11:20 | 58.5 | 55.9 | 58.0 | 50.5 | 7.5 |
| 11:20-11:25 | 58.6 | 55.9 | 58.3 | 50.5 | 7.8 |
| 11:25-11:30 | 57.7 | 55.9 | 56.0 | 50.5 | 5.5 |
| 11:30-11:35 | 58.7 | 55.9 | 58.5 | 50.5 | 8.0 |
| 11:35-11:40 | 57.4 | 55.9 | 55.1 | 50.5 | 4.6 |
| 11:40-11:45 | 58.6 | 55.9 | 58.3 | 50.5 | 7.8 |
| 11:45-11:50 | 59.1 | 55.9 | 59.3 | 50.5 | 8.8 |
| 11:50-11:55 | 58.7 | 55.9 | 58.5 | 50.5 | 8.0 |
| 11:55-12:00 | 58.9 | 55.9 | 58.9 | 50.5 | 8.4 |
| 12:00-12:05 | 58.2 | 54.8 | 58.5 | 50.1 | 8.4 |
| 12:05-12:10 | 58.2 | 54.8 | 58.5 | 50.1 | 8.4 |
| 12:10-12:15 | 58.3 | 54.8 | 58.7 | 50.1 | 8.6 |
| 12:15-12:20 | 58.7 | 54.8 | 59.4 | 50.1 | 9.3 |



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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)] |
| 12:20-12:25 | 58.7 | 54.8 | 59.4 | 50.1 | 9.3 |
| 12:25-12:30 | 58.1 | 54.8 | 58.4 | 50.1 | 8.3 |
| 12:30-12:35 | 58.6 | 54.8 | 59.3 | 50.1 | 9.2 |
| 12:35-12:40 | 58.6 | 54.8 | 59.3 | 50.1 | 9.2 |
| 12:40-12:45 | 58.5 | 54.8 | 59.1 | 50.1 | 9.0 |
| 12:45-12:50 | 58.3 | 54.8 | 58.7 | 50.1 | 8.6 |
| 12:50-12:55 | 58.4 | 54.8 | 58.9 | 50.1 | 8.8 |
| 12:55-13:00 | 58.4 | 54.8 | 58.9 | 50.1 | 8.8 |
| 13:00-13:05 | 58.3 | 54.6 | 58.9 | 49.9 | 9.0 |
| 13:05-13:10 | 58.6 | 54.6 | 59.4 | 49.9 | 9.5 |
| 13:10-13:15 | 58.3 | 54.6 | 58.9 | 49.9 | 9.0 |
| 13:15-13:20 | 57.9 | 54.6 | 58.2 | 49.9 | 8.3 |
| 13:20-13:25 | 58.4 | 54.6 | 59.1 | 49.9 | 9.2 |
| 13:25-13:30 | 57.1 | 54.6 | 56.5 | 49.9 | 6.6 |
| 13:30-13:35 | 58.3 | 54.6 | 58.9 | 49.9 | 9.0 |
| 13:35-13:40 | 58.4 | 54.6 | 59.1 | 49.9 | 9.2 |
| 13:40-13:45 | 58.2 | 54.6 | 58.7 | 49.9 | 8.8 |
| 13:45-13:50 | 58.8 | 54.6 | 59.7 | 49.9 | 9.8 |
| 13:50-13:55 | 58.2 | 54.6 | 58.7 | 49.9 | 8.8 |
| 13:55-14:00 | 58.4 | 54.6 | 59.1 | 49.9 | 9.2 |
| - | Standard Less Than 10.0 | | | | |
| | Sound Level Meter Data | | | | |
| | Calibrate Sheet No.: Noise B 093 1/23 | | | 15 May 2023 | |
| | SLM No. CR-B09 | Brand Cirrus | Model CR161B | Serial No. G301401 | |
| | Actual Reading [dB] | | | | |
| | Before Adjustment 94.0 | | | After Adjustment 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, CIRRUS, Model CR515, S/N. 92002

Characteristics of Noise Source

Time/Area of Nuisance

Conclusion

- | | | |
|--|---|---|
| <input checked="" type="checkbox"/> Continuous Noise | <input checked="" type="checkbox"/> Day (06:00-22:00) | <input type="checkbox"/> Nuisance Noise (>10 dBA) |
| <input type="checkbox"/> More Than One Time Per Hour | <input checked="" type="checkbox"/> Night (22:00-06:00) | <input checked="" type="checkbox"/> Non Nuisance |
| <input type="checkbox"/> One Time Per Hour | <input checked="" type="checkbox"/> Silent Area <u>Public Health Center</u> | |
| <input type="checkbox"/> Special Noise _____ | | |

Reported results refer to measurement time only.

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

Scientist

26 / 05 / 23

Technical Supervisor

26 / 05 / 23

RS/A024/23/MAY



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Nuisance Noise Level Report

Project : Asia Pet (Thailand) Co., Ltd. Sampling Date : 16-17 May 2023
Project Location : 61/1 Moo 11, Bangngha-Thaklong Road Date Reported : 26 May 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)] |
| 13:00-13:05 | 57.0 | 54.6 | 56.3 | 46.6 | 9.7 |
| 13:05-13:10 | 56.4 | 54.6 | 54.7 | 46.6 | 8.1 |
| 13:10-13:15 | 56.2 | 54.6 | 54.1 | 46.6 | 7.5 |
| 13:15-13:20 | 56.9 | 54.6 | 56.0 | 46.6 | 9.4 |
| 13:20-13:25 | 55.6 | 54.6 | 51.7 | 46.6 | 5.1 |
| 13:25-13:30 | 54.2 | 54.6 | * | 46.6 | * |
| 13:30-13:35 | 56.1 | 54.6 | 53.8 | 46.6 | 7.2 |
| 13:35-13:40 | 56.7 | 54.6 | 55.5 | 46.6 | 8.9 |
| 13:40-13:45 | 57.0 | 54.6 | 56.3 | 46.6 | 9.7 |
| 13:45-13:50 | 55.2 | 54.6 | 49.3 | 46.6 | 2.7 |
| 13:50-13:55 | 55.2 | 54.6 | 49.3 | 46.6 | 2.7 |
| 13:55-14:00 | 54.3 | 54.6 | * | 46.6 | * |
| 14:00-14:05 | 58.3 | 58.0 | 49.5 | 43.2 | 6.3 |
| 14:05-14:10 | 54.7 | 58.0 | * | 43.2 | * |
| 14:10-14:15 | 55.8 | 58.0 | * | 43.2 | * |
| 14:15-14:20 | 58.4 | 58.0 | 50.8 | 43.2 | 7.6 |
| 14:20-14:25 | 55.4 | 58.0 | * | 43.2 | * |
| 14:25-14:30 | 58.1 | 58.0 | 44.7 | 43.2 | 1.5 |
| 14:30-14:35 | 56.2 | 58.0 | * | 43.2 | * |
| 14:35-14:40 | 57.9 | 58.0 | * | 43.2 | * |
| 14:40-14:45 | 55.0 | 58.0 | * | 43.2 | * |
| 14:45-14:50 | 58.6 | 58.0 | 52.7 | 43.2 | 9.5 |
| 14:50-14:55 | 57.6 | 58.0 | * | 43.2 | * |
| 14:55-15:00 | 56.4 | 58.0 | * | 43.2 | * |
| 15:00-15:05 | 54.7 | 59.0 | * | 49.5 | * |
| 15:05-15:10 | 59.2 | 59.0 | 48.7 | 49.5 | -0.8 |
| 15:10-15:15 | 58.0 | 59.0 | * | 49.5 | * |
| 15:15-15:20 | 54.9 | 59.0 | * | 49.5 | * |
| 15:20-15:25 | 60.1 | 59.0 | 56.6 | 49.5 | 7.1 |
| 15:25-15:30 | 58.4 | 59.0 | * | 49.5 | * |
| 15:30-15:35 | 60.7 | 59.0 | 58.8 | 49.5 | 9.3 |
| 15:35-15:40 | 58.2 | 59.0 | * | 49.5 | * |
| 15:40-15:45 | 57.8 | 59.0 | * | 49.5 | * |
| 15:45-15:50 | 57.1 | 59.0 | * | 49.5 | * |
| 15:50-15:55 | 54.8 | 59.0 | * | 49.5 | * |
| 15:55-16:00 | 60.5 | 59.0 | 58.2 | 49.5 | 8.7 |
| 16:00-16:05 | 58.9 | 59.9 | * | 49.2 | * |
| 16:05-16:10 | 60.5 | 59.9 | 54.6 | 49.2 | 5.4 |
| 16:10-16:15 | 60.4 | 59.9 | 53.8 | 49.2 | 4.6 |
| 16:15-16:20 | 57.5 | 59.9 | * | 49.2 | * |
| 16:20-16:25 | 61.3 | 59.9 | 58.7 | 49.2 | 9.5 |
| 16:25-16:30 | 61.0 | 59.9 | 57.5 | 49.2 | 8.3 |
| 16:30-16:35 | 60.6 | 59.9 | 55.3 | 49.2 | 6.1 |
| 16:35-16:40 | 57.4 | 59.9 | * | 49.2 | * |
| 16:40-16:45 | 61.3 | 59.9 | 58.7 | 49.2 | 9.5 |
| 16:45-16:50 | 60.5 | 59.9 | 54.6 | 49.2 | 5.4 |
| 16:50-16:55 | 57.1 | 59.9 | * | 49.2 | * |
| 16:55-17:00 | 60.4 | 59.9 | 53.8 | 49.2 | 4.6 |



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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)] |
| 17:00-17:05 | 60.8 | 59.9 | 56.5 | 49.7 | 6.8 |
| 17:05-17:10 | 61.3 | 59.9 | 58.7 | 49.7 | 9.0 |
| 17:10-17:15 | 60.2 | 59.9 | 51.4 | 49.7 | 1.7 |
| 17:15-17:20 | 57.9 | 59.9 | * | 49.7 | * |
| 17:20-17:25 | 58.8 | 59.9 | * | 49.7 | * |
| 17:25-17:30 | 57.7 | 59.9 | * | 49.7 | * |
| 17:30-17:35 | 61.5 | 59.9 | 59.4 | 49.7 | 9.7 |
| 17:35-17:40 | 60.8 | 59.9 | 56.5 | 49.7 | 6.8 |
| 17:40-17:45 | 58.1 | 59.9 | * | 49.7 | * |
| 17:45-17:50 | 61.5 | 59.9 | 59.4 | 49.7 | 9.7 |
| 17:50-17:55 | 60.0 | 59.9 | 46.6 | 49.7 | -3.1 |
| 17:55-18:00 | 61.1 | 59.9 | 57.9 | 49.7 | 8.2 |
| 18:00-18:05 | 58.5 | 54.7 | 59.2 | 50.3 | 8.9 |
| 18:05-18:10 | 59.0 | 54.7 | 60.0 | 50.3 | 9.7 |
| 18:10-18:15 | 59.1 | 54.7 | 60.1 | 50.3 | 9.8 |
| 18:15-18:20 | 58.6 | 54.7 | 59.3 | 50.3 | 9.0 |
| 18:20-18:25 | 56.2 | 54.7 | 53.9 | 50.3 | 3.6 |
| 18:25-18:30 | 57.1 | 54.7 | 56.4 | 50.3 | 6.1 |
| 18:30-18:35 | 57.5 | 54.7 | 57.3 | 50.3 | 7.0 |
| 18:35-18:40 | 58.5 | 54.7 | 59.2 | 50.3 | 8.9 |
| 18:40-18:45 | 57.7 | 54.7 | 57.7 | 50.3 | 7.4 |
| 18:45-18:50 | 58.8 | 54.7 | 59.7 | 50.3 | 9.4 |
| 18:50-18:55 | 59.0 | 54.7 | 60.0 | 50.3 | 9.7 |
| 18:55-19:00 | 59.1 | 54.7 | 60.1 | 50.3 | 9.8 |
| 19:00-19:05 | 60.2 | 55.0 | 61.6 | 51.8 | 9.8 |
| 19:05-19:10 | 59.9 | 55.0 | 61.2 | 51.8 | 9.4 |
| 19:10-19:15 | 59.8 | 55.0 | 61.1 | 51.8 | 9.3 |
| 19:15-19:20 | 60.0 | 55.0 | 61.3 | 51.8 | 9.5 |
| 19:20-19:25 | 60.1 | 55.0 | 61.5 | 51.8 | 9.7 |
| 19:25-19:30 | 60.0 | 55.0 | 61.3 | 51.8 | 9.5 |
| 19:30-19:35 | 58.9 | 55.0 | 59.6 | 51.8 | 7.8 |
| 19:35-19:40 | 58.7 | 55.0 | 59.3 | 51.8 | 7.5 |
| 19:40-19:45 | 57.7 | 55.0 | 57.4 | 51.8 | 5.6 |
| 19:45-19:50 | 59.8 | 55.0 | 61.1 | 51.8 | 9.3 |
| 19:50-19:55 | 58.5 | 55.0 | 58.9 | 51.8 | 7.1 |
| 19:55-20:00 | 58.7 | 55.0 | 59.3 | 51.8 | 7.5 |
| 20:00-20:05 | 58.4 | 53.5 | 59.7 | 51.8 | 7.9 |
| 20:05-20:10 | 59.0 | 53.5 | 60.6 | 51.8 | 8.8 |
| 20:10-20:15 | 58.6 | 53.5 | 60.0 | 51.8 | 8.2 |
| 20:15-20:20 | 58.6 | 53.5 | 60.0 | 51.8 | 8.2 |
| 20:20-20:25 | 57.7 | 53.5 | 58.6 | 51.8 | 6.8 |
| 20:25-20:30 | 57.9 | 53.5 | 58.9 | 51.8 | 7.1 |
| 20:30-20:35 | 56.5 | 53.5 | 56.5 | 51.8 | 4.7 |
| 20:35-20:40 | 57.3 | 53.5 | 58.0 | 51.8 | 6.2 |
| 20:40-20:45 | 56.1 | 53.5 | 55.6 | 51.8 | 3.8 |
| 20:45-20:50 | 57.0 | 53.5 | 57.4 | 51.8 | 5.6 |
| 20:50-20:55 | 57.3 | 53.5 | 58.0 | 51.8 | 6.2 |
| 20:55-21:00 | 56.7 | 53.5 | 56.9 | 51.8 | 5.1 |
| 21:00-21:05 | 57.5 | 51.4 | 59.3 | 50.4 | 8.9 |
| 21:05-21:10 | 58.2 | 51.4 | 60.2 | 50.4 | 9.8 |
| 21:10-21:15 | 57.5 | 51.4 | 59.3 | 50.4 | 8.9 |
| 21:15-21:20 | 57.7 | 51.4 | 59.5 | 50.4 | 9.1 |
| 21:20-21:25 | 57.4 | 51.4 | 59.1 | 50.4 | 8.7 |
| 21:25-21:30 | 58.2 | 51.4 | 60.2 | 50.4 | 9.8 |
| 21:30-21:35 | 58.3 | 51.4 | 60.3 | 50.4 | 9.9 |



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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)] |
| 21:35-21:40 | 57.5 | 51.4 | 59.3 | 50.4 | 8.9 |
| 21:40-21:45 | 57.5 | 51.4 | 59.3 | 50.4 | 8.9 |
| 21:45-21:50 | 57.9 | 51.4 | 59.8 | 50.4 | 9.4 |
| 21:50-21:55 | 56.7 | 51.4 | 58.2 | 50.4 | 7.8 |
| 21:55-22:00 | 56.5 | 51.4 | 57.9 | 50.4 | 7.5 |
| 22:00-22:05 | 56.5 | 51.8 | 57.7 | 50.3 | 7.4 |
| 22:05-22:10 | 57.8 | 51.8 | 59.5 | 50.3 | 9.2 |
| 22:10-22:15 | 56.4 | 51.8 | 57.6 | 50.3 | 7.3 |
| 22:15-22:20 | 57.3 | 51.8 | 58.9 | 50.3 | 8.6 |
| 22:20-22:25 | 56.1 | 51.8 | 57.1 | 50.3 | 6.8 |
| 22:25-22:30 | 57.7 | 51.8 | 59.4 | 50.3 | 9.1 |
| 22:30-22:35 | 58.1 | 51.8 | 59.9 | 50.3 | 9.6 |
| 22:35-22:40 | 56.7 | 51.8 | 58.0 | 50.3 | 7.7 |
| 22:40-22:45 | 57.9 | 51.8 | 59.7 | 50.3 | 9.4 |
| 22:45-22:50 | 57.5 | 51.8 | 59.1 | 50.3 | 8.8 |
| 22:50-22:55 | 58.0 | 51.8 | 59.8 | 50.3 | 9.5 |
| 22:55-23:00 | 57.6 | 51.8 | 59.3 | 50.3 | 9.0 |
| 23:00-23:05 | 56.1 | 51.2 | 57.4 | 50.2 | 7.2 |
| 23:05-23:10 | 56.3 | 51.2 | 57.7 | 50.2 | 7.5 |
| 23:10-23:15 | 57.6 | 51.2 | 59.5 | 50.2 | 9.3 |
| 23:15-23:20 | 56.5 | 51.2 | 58.0 | 50.2 | 7.8 |
| 23:20-23:25 | 57.2 | 51.2 | 58.9 | 50.2 | 8.7 |
| 23:25-23:30 | 57.1 | 51.2 | 58.8 | 50.2 | 8.6 |
| 23:30-23:35 | 55.8 | 51.2 | 57.0 | 50.2 | 6.8 |
| 23:35-23:40 | 58.0 | 51.2 | 60.0 | 50.2 | 9.8 |
| 23:40-23:45 | 57.2 | 51.2 | 58.9 | 50.2 | 8.7 |
| 23:45-23:50 | 57.5 | 51.2 | 59.3 | 50.2 | 9.1 |
| 23:50-23:55 | 57.6 | 51.2 | 59.5 | 50.2 | 9.3 |
| 23:55-00:00 | 57.9 | 51.2 | 59.9 | 50.2 | 9.7 |
| 00:00-00:05 | 57.5 | 52.0 | 59.1 | 51.1 | 8.0 |
| 00:05-00:10 | 56.9 | 52.0 | 58.2 | 51.1 | 7.1 |
| 00:10-00:15 | 57.8 | 52.0 | 59.5 | 51.1 | 8.4 |
| 00:15-00:20 | 56.9 | 52.0 | 58.2 | 51.1 | 7.1 |
| 00:20-00:25 | 55.3 | 52.0 | 55.6 | 51.1 | 4.5 |
| 00:25-00:30 | 57.3 | 52.0 | 58.8 | 51.1 | 7.7 |
| 00:30-00:35 | 58.5 | 52.0 | 60.4 | 51.1 | 9.3 |
| 00:35-00:40 | 58.3 | 52.0 | 60.1 | 51.1 | 9.0 |
| 00:40-00:45 | 59.0 | 52.0 | 61.0 | 51.1 | 9.9 |
| 00:45-00:50 | 58.8 | 52.0 | 60.8 | 51.1 | 9.7 |
| 00:50-00:55 | 58.4 | 52.0 | 60.3 | 51.1 | 9.2 |
| 00:55-01:00 | 56.1 | 52.0 | 57.0 | 51.1 | 5.9 |
| 01:00-01:05 | 58.3 | 52.3 | 60.0 | 51.6 | 8.4 |
| 01:05-01:10 | 58.8 | 52.3 | 60.7 | 51.6 | 9.1 |
| 01:10-01:15 | 58.1 | 52.3 | 59.8 | 51.6 | 8.2 |
| 01:15-01:20 | 58.9 | 52.3 | 60.8 | 51.6 | 9.2 |
| 01:20-01:25 | 58.6 | 52.3 | 60.4 | 51.6 | 8.8 |
| 01:25-01:30 | 59.1 | 52.3 | 61.1 | 51.6 | 9.5 |
| 01:30-01:35 | 57.8 | 52.3 | 59.4 | 51.6 | 7.8 |
| 01:35-01:40 | 57.7 | 52.3 | 59.2 | 51.6 | 7.6 |
| 01:40-01:45 | 58.4 | 52.3 | 60.2 | 51.6 | 8.6 |
| 01:45-01:50 | 57.0 | 52.3 | 58.2 | 51.6 | 6.6 |
| 01:50-01:55 | 57.6 | 52.3 | 59.1 | 51.6 | 7.5 |
| 01:55-02:00 | 57.9 | 52.3 | 59.5 | 51.6 | 7.9 |
| 02:00-02:05 | 57.0 | 52.3 | 58.2 | 51.5 | 6.7 |
| 02:05-02:10 | 59.3 | 52.3 | 61.3 | 51.5 | 9.8 |



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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)] |
| 02:10-02:15 | 59.2 | 52.3 | 61.2 | 51.5 | 9.7 |
| 02:15-02:20 | 58.0 | 52.3 | 59.6 | 51.5 | 8.1 |
| 02:20-02:25 | 58.0 | 52.3 | 59.6 | 51.5 | 8.1 |
| 02:25-02:30 | 58.4 | 52.3 | 60.2 | 51.5 | 8.7 |
| 02:30-02:35 | 58.6 | 52.3 | 60.4 | 51.5 | 8.9 |
| 02:35-02:40 | 58.5 | 52.3 | 60.3 | 51.5 | 8.8 |
| 02:40-02:45 | 57.6 | 52.3 | 59.1 | 51.5 | 7.6 |
| 02:45-02:50 | 57.2 | 52.3 | 58.5 | 51.5 | 7.0 |
| 02:50-02:55 | 58.9 | 52.3 | 60.8 | 51.5 | 9.3 |
| 02:55-03:00 | 57.1 | 52.3 | 58.4 | 51.5 | 6.9 |
| 03:00-03:05 | 59.0 | 52.6 | 60.9 | 51.8 | 9.1 |
| 03:05-03:10 | 59.0 | 52.6 | 60.9 | 51.8 | 9.1 |
| 03:10-03:15 | 58.1 | 52.6 | 59.7 | 51.8 | 7.9 |
| 03:15-03:20 | 57.7 | 52.6 | 59.1 | 51.8 | 7.3 |
| 03:20-03:25 | 58.6 | 52.6 | 60.3 | 51.8 | 8.5 |
| 03:25-03:30 | 59.6 | 52.6 | 61.6 | 51.8 | 9.8 |
| 03:30-03:35 | 58.9 | 52.6 | 60.7 | 51.8 | 8.9 |
| 03:35-03:40 | 58.8 | 52.6 | 60.6 | 51.8 | 8.8 |
| 03:40-03:45 | 59.5 | 52.6 | 61.5 | 51.8 | 9.7 |
| 03:45-03:50 | 58.6 | 52.6 | 60.3 | 51.8 | 8.5 |
| 03:50-03:55 | 58.8 | 52.6 | 60.6 | 51.8 | 8.8 |
| 03:55-04:00 | 57.7 | 52.6 | 59.1 | 51.8 | 7.3 |
| 04:00-04:05 | 58.6 | 52.5 | 60.4 | 51.1 | 9.3 |
| 04:05-04:10 | 58.7 | 52.5 | 60.5 | 51.1 | 9.4 |
| 04:10-04:15 | 58.8 | 52.5 | 60.6 | 51.1 | 9.5 |
| 04:15-04:20 | 56.8 | 52.5 | 57.8 | 51.1 | 6.7 |
| 04:20-04:25 | 57.5 | 52.5 | 58.8 | 51.1 | 7.7 |
| 04:25-04:30 | 58.6 | 52.5 | 60.4 | 51.1 | 9.3 |
| 04:30-04:35 | 58.8 | 52.5 | 60.6 | 51.1 | 9.5 |
| 04:35-04:40 | 58.4 | 52.5 | 60.1 | 51.1 | 9.0 |
| 04:40-04:45 | 58.8 | 52.5 | 60.6 | 51.1 | 9.5 |
| 04:45-04:50 | 57.2 | 52.5 | 58.4 | 51.1 | 7.3 |
| 04:50-04:55 | 58.3 | 52.5 | 60.0 | 51.1 | 8.9 |
| 04:55-05:00 | 58.3 | 52.5 | 60.0 | 51.1 | 8.9 |
| 05:00-05:05 | 57.4 | 56.2 | 54.2 | 51.1 | 3.1 |
| 05:05-05:10 | 57.9 | 56.2 | 56.0 | 51.1 | 4.9 |
| 05:10-05:15 | 58.4 | 56.2 | 57.4 | 51.1 | 6.3 |
| 05:15-05:20 | 59.0 | 56.2 | 58.8 | 51.1 | 7.7 |
| 05:20-05:25 | 59.5 | 56.2 | 59.8 | 51.1 | 8.7 |
| 05:25-05:30 | 56.9 | 56.2 | 51.6 | 51.1 | 0.5 |
| 05:30-05:35 | 57.2 | 56.2 | 53.3 | 51.1 | 2.2 |
| 05:35-05:40 | 59.7 | 56.2 | 60.1 | 51.1 | 9.0 |
| 05:40-05:45 | 58.2 | 56.2 | 56.9 | 51.1 | 5.8 |
| 05:45-05:50 | 58.9 | 56.2 | 58.6 | 51.1 | 7.5 |
| 05:50-05:55 | 59.0 | 56.2 | 58.8 | 51.1 | 7.7 |
| 05:55-06:00 | 57.4 | 56.2 | 54.2 | 51.1 | 3.1 |
| 06:00-06:05 | 59.9 | 59.5 | 52.3 | 51.9 | 0.4 |
| 06:05-06:10 | 57.5 | 59.5 | * | 51.9 | * |
| 06:10-06:15 | 60.6 | 59.5 | 57.1 | 51.9 | 5.2 |
| 06:15-06:20 | 60.0 | 59.5 | 53.4 | 51.9 | 1.5 |
| 06:20-06:25 | 59.9 | 59.5 | 52.3 | 51.9 | 0.4 |
| 06:25-06:30 | 58.5 | 59.5 | * | 51.9 | * |
| 06:30-06:35 | 56.2 | 59.5 | * | 51.9 | * |
| 06:35-06:40 | 59.9 | 59.5 | 52.3 | 51.9 | 0.4 |
| 06:40-06:45 | 60.2 | 59.5 | 54.9 | 51.9 | 3.0 |



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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)] |
| 06:45-06:50 | 57.1 | 59.5 | * | 51.9 | * |
| 06:50-06:55 | 55.2 | 59.5 | * | 51.9 | * |
| 06:55-07:00 | 57.6 | 59.5 | * | 51.9 | * |
| 07:00-07:05 | 56.8 | 58.6 | * | 51.3 | * |
| 07:05-07:10 | 59.5 | 58.6 | 55.2 | 51.3 | 3.9 |
| 07:10-07:15 | 60.7 | 58.6 | 59.5 | 51.3 | 8.2 |
| 07:15-07:20 | 60.6 | 58.6 | 59.3 | 51.3 | 8.0 |
| 07:20-07:25 | 58.9 | 58.6 | 50.1 | 51.3 | -1.2 |
| 07:25-07:30 | 55.4 | 58.6 | * | 51.3 | * |
| 07:30-07:35 | 59.5 | 58.6 | 55.2 | 51.3 | 3.9 |
| 07:35-07:40 | 58.9 | 58.6 | 50.1 | 51.3 | -1.2 |
| 07:40-07:45 | 55.2 | 58.6 | * | 51.3 | * |
| 07:45-07:50 | 59.1 | 58.6 | 52.5 | 51.3 | 1.2 |
| 07:50-07:55 | 58.7 | 58.6 | 45.3 | 51.3 | -6.0 |
| 07:55-08:00 | 57.0 | 58.6 | * | 51.3 | * |
| 08:00-08:05 | 59.0 | 55.5 | 59.4 | 50.1 | 9.3 |
| 08:05-08:10 | 56.4 | 55.5 | 52.1 | 50.1 | 2.0 |
| 08:10-08:15 | 54.9 | 55.5 | * | 50.1 | * |
| 08:15-08:20 | 59.3 | 55.5 | 60.0 | 50.1 | 9.9 |
| 08:20-08:25 | 58.7 | 55.5 | 58.9 | 50.1 | 8.8 |
| 08:25-08:30 | 58.7 | 55.5 | 58.9 | 50.1 | 8.8 |
| 08:30-08:35 | 56.1 | 55.5 | 50.2 | 50.1 | 0.1 |
| 08:35-08:40 | 54.3 | 55.5 | * | 50.1 | * |
| 08:40-08:45 | 58.5 | 55.5 | 58.5 | 50.1 | 8.4 |
| 08:45-08:50 | 57.5 | 55.5 | 56.2 | 50.1 | 6.1 |
| 08:50-08:55 | 55.9 | 55.5 | 48.3 | 50.1 | -1.8 |
| 08:55-09:00 | 55.0 | 55.5 | * | 50.1 | * |
| 09:00-09:05 | 56.8 | 55.5 | 53.9 | 50.3 | 3.6 |
| 09:05-09:10 | 57.2 | 55.5 | 55.3 | 50.3 | 5.0 |
| 09:10-09:15 | 54.1 | 55.5 | * | 50.3 | * |
| 09:15-09:20 | 57.7 | 55.5 | 56.7 | 50.3 | 6.4 |
| 09:20-09:25 | 56.3 | 55.5 | 51.6 | 50.3 | 1.3 |
| 09:25-09:30 | 58.7 | 55.5 | 58.9 | 50.3 | 8.6 |
| 09:30-09:35 | 58.8 | 55.5 | 59.1 | 50.3 | 8.8 |
| 09:35-09:40 | 58.7 | 55.5 | 58.9 | 50.3 | 8.6 |
| 09:40-09:45 | 55.2 | 55.5 | * | 50.3 | * |
| 09:45-09:50 | 56.3 | 55.5 | 51.6 | 50.3 | 1.3 |
| 09:50-09:55 | 53.0 | 55.5 | * | 50.3 | * |
| 09:55-10:00 | 58.6 | 55.5 | 58.7 | 50.3 | 8.4 |
| 10:00-10:05 | 59.2 | 57.1 | 58.0 | 50.6 | 7.4 |
| 10:05-10:10 | 59.8 | 57.1 | 59.5 | 50.6 | 8.9 |
| 10:10-10:15 | 57.1 | 57.1 | * | 50.6 | * |
| 10:15-10:20 | 57.5 | 57.1 | 49.9 | 50.6 | -0.7 |
| 10:20-10:25 | 53.8 | 57.1 | * | 50.6 | * |
| 10:25-10:30 | 60.2 | 57.1 | 60.3 | 50.6 | 9.7 |
| 10:30-10:35 | 59.5 | 57.1 | 58.8 | 50.6 | 8.2 |
| 10:35-10:40 | 60.3 | 57.1 | 60.5 | 50.6 | 9.9 |
| 10:40-10:45 | 54.7 | 57.1 | * | 50.6 | * |
| 10:45-10:50 | 57.0 | 57.1 | * | 50.6 | * |
| 10:50-10:55 | 56.4 | 57.1 | * | 50.6 | * |
| 10:55-11:00 | 57.0 | 57.1 | * | 50.6 | * |
| 11:00-11:05 | 54.8 | 57.2 | * | 50.3 | * |
| 11:05-11:10 | 59.9 | 57.2 | 59.6 | 50.3 | 9.3 |
| 11:10-11:15 | 57.5 | 57.2 | 48.7 | 50.3 | -1.6 |
| 11:15-11:20 | 54.8 | 57.2 | * | 50.3 | * |



BY136/05/66

338/12/65

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)] |
| 11:20-11:25 | 59.0 | 57.2 | 57.3 | 50.3 | 7.0 |
| 11:25-11:30 | 60.0 | 57.2 | 59.8 | 50.3 | 9.5 |
| 11:30-11:35 | 56.5 | 57.2 | * | 50.3 | * |
| 11:35-11:40 | 58.8 | 57.2 | 56.7 | 50.3 | 6.4 |
| 11:40-11:45 | 59.5 | 57.2 | 58.6 | 50.3 | 8.3 |
| 11:45-11:50 | 57.7 | 57.2 | 51.1 | 50.3 | 0.8 |
| 11:50-11:55 | 56.2 | 57.2 | * | 50.3 | * |
| 11:55-12:00 | 58.0 | 57.2 | 53.3 | 50.3 | 3.0 |
| 12:00-12:05 | 54.7 | 56.6 | * | 49.8 | * |
| 12:05-12:10 | 54.1 | 56.6 | * | 49.8 | * |
| 12:10-12:15 | 53.0 | 56.6 | * | 49.8 | * |
| 12:15-12:20 | 54.2 | 56.6 | * | 49.8 | * |
| 12:20-12:25 | 56.4 | 56.6 | * | 49.8 | * |
| 12:25-12:30 | 58.4 | 56.6 | 56.7 | 49.8 | 6.9 |
| 12:30-12:35 | 59.1 | 56.6 | 58.5 | 49.8 | 8.7 |
| 12:35-12:40 | 58.7 | 56.6 | 57.5 | 49.8 | 7.7 |
| 12:40-12:45 | 54.5 | 56.6 | * | 49.8 | * |
| 12:45-12:50 | 56.0 | 56.6 | * | 49.8 | * |
| 12:50-12:55 | 55.8 | 56.6 | * | 49.8 | * |
| 12:55-13:00 | 58.6 | 56.6 | 57.3 | 49.8 | 7.5 |
| - | Standard Less Than 10.0 | | | | |
| | Sound Level Meter Data | | | | |
| | Calibrate Sheet No.: Noise B 093 1/23 | | | 15 May 2023 | |
| | SLM No. | Brand | Model | Serial No. | |
| | CR-B10 | Cirrus | CR161B | G301407 | |
| | Actual Reading [dB] | | | | |
| | Before Adjustment 94.0 | | | After Adjustment 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, CIRRUSS, Model CR515, S/N. 92002

Characteristics of Noise Source

Time/Area of Nuisance

Conclusion

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

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

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

Reported results refer to measurement time only.

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

Scientist

26 / 05 / 23

Technical Supervisor

26 / 05 / 23

RS/A024/23/MAY

คุณภาพน้ำผิวดิน



Ref. No. W342-W343/02/23

Report No. 2302/253

338/12/65

Surface Water 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 Method : Grab
Sampling by : Rattanakorn Yosruangsak
S.P.S. Consulting Service Co., Ltd.

Sampling Date : 9 February 2023
Date Received : 10 February 2023
Date of Analysis : 10-17 February 2023
Date Reported : 24 February 2023

| Parameter | Analytical Method | Station 1 | Station 2 | Standard |
|---|--|-----------|-----------|---------------------|
| pH | Electrometric Method (4500-H ⁺ B.) | 7.38 | 7.32 | 5.0-9.0 |
| Temperature (°C) | Laboratory and Field Methods (2550 B.) | 29.2 | 29.4 | n' |
| Total Suspended Solids (mg/L) | Total Suspended Solids Dried at 103-105 °C (2540 D.) | 23.0 | 17.5 | - |
| Dissolved Oxygen (mg/L) | Azide Modification (4500-O C.) | 4.4 | 4.3 | More than 4.0 |
| BOD ₅ (mg/L) | 5 Day BOD Test (5210 B.) & Azide Modification (4500-O C.) | 1.9 | 1.2 | Less than 2.0 |
| COD (mg/L) | Closed Reflux, Titrimetric Method (5220 C.) | 29 | 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.) | 9,400 | 2,400 | Less than 20,000 |
| Fecal Coliform Bacteria (MPN/100 mL) | Multiple-Tube Fermentation Technique (9221 E.) | 3,100 | 330 | 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.

Laboratory Operator

24 / 02 / 23

Laboratory Supervisor

24 / 02 / 23

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



Ref. No. W682-W683/05/23

Report No. 2305/557

338/12/65

Surface Water Quality Analysis Report

Project : Asia Pet (Thailand) Limited
Project Location : 61/1 Moo 11, Bangngha-Thakhlung Road,
Kaosamorkorn, 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 : 17 May 2023
Date Received : 17 May 2023
Date of Analysis : 17-25 May 2023
Date Reported : 31 May 2023

| Parameter | Analytical Method | Station 1 | Station 2 | Standard |
|--------------------------------------|---|-----------|-----------|------------------|
| pH | Electrometric Method (4500-H ⁺ B.) | 7.30 | 7.34 | 5.0-9.0 |
| Temperature (°C) | Laboratory and Field Methods (2550 B.) | 33.7 | 33.5 | n' |
| Total Suspended Solids (mg/L) | Total Suspended Solids Dried at 103-105 °C (2540 D.) | 40.7 | 65.0 | - |
| Dissolved Oxygen (mg/L) | Azide Modification (4500-O C.) | 4.8 | 4.9 | More than 4.0 |
| BOD ₅ (mg/L) | 5 Day BOD Test (5210 B.) & Azide Modification (4500-O C.) | 1.9 | 1.7 | Less than 2.0 |
| COD (mg/L) | Closed Reflux, Titrimetric Method (5220 C.) | 29 | 22 | - |
| 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.) | 4,900 | 2,200 | Less than 20,000 |
| Fecal Coliform Bacteria (MPN/100 mL) | Multiple-Tube Fermentation Technique (9221 E.) | 2,200 | 1,700 | Less than 4,000 |

Remark:

Sample Characteristics:

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

Station 2 = Khlong Bang Kham approximately 200 meter downstream of wastewater discharge point : Yellow turbid 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.

Laboratory Operator

31 / 5 / 23

Laboratory Supervisor

31 / 5 / 23

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

คุณภาพน้ำทิ้ง



Ref. No. W102-W104/01/23

Report No. 2301/163

B-Pro-2488/2020

Wastewater Quality Analysis Report

Project : Asia Pet (Thailand) Co., Ltd. Sampling Date : 9 January 2023
Project Location : 61/1 Moo 11, Bangngha-Thakhleng Road, Kaosamorkom, Tawung, Lopburi Date Received : 9 January 2023
Client Name/Address : Asia Pet (Thailand) Co., Ltd. Date of Analysis : 9-16 January 2023
Sampling by : Asia Pet (Thailand) Co., Ltd. Date Reported : 18 January 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.) | 7.62 | 7.54 | 7.69 | 5.5-9.0 |
| Total Suspended Solids (mg/L) | Total Suspended Solids Dried at 103-105 °C (2540 D.) | 30.0 | 7.3 | 5.1 | Less than 50 |
| Total Dissolved Solids (mg/L) | Total Dissolved Solids Dried at 180 °C (2540 C.) | 598 | 1,240 | 952 | Less than 3,000 |
| BOD ₅ (mg/L) | 5 Day BOD Test (5210 B.) & Membrane Electrode Method (4500-O G.) | 3,593 | 3 | 2 | Less than 20 |
| COD (mg/L) | Closed Reflux, Titrimetric Method (5220 C.) | 7,619 | 51 | 38 | Less than 120 |
| TKN (mg/L) | Macro-Kjeldahl Method (4500-N _{org} B.) & Titrimetric Method (4500-NH ₃ C.) | 9.5 | 4.6 | 2.6 | 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 | 790 | 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.

Laboratory Operator

18 / 01 / 23

Laboratory Supervisor

18 / 01 / 23



Ref. No. W142-W144/02/23

Report No. 2302/175

B-Pro-2488/2020

Wastewater Quality Analysis Report

Project : Asia Pet (Thailand) Co., Ltd. Sampling Date : 6 February 2023
Project Location : 61/1 Moo 11, Bangngha-Thakhleng Road, Kaosamorkorn, Date Received : 6 February 2023
Tawung, Lopburi Date of Analysis : 6-13 February 2023
Client Name/Address : Asia Pet (Thailand) Co., Ltd. Date Reported : 15 February 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.) | 8.16 | 7.37 | 7.56 | 5.5-9.0 |
| Total Suspended Solids (mg/L) | Total Suspended Solids Dried at 103-105 °C (2540 D.) | 2.3 | 8.3 | 5.2 | Less than 50 |
| Total Dissolved Solids (mg/L) | Total Dissolved Solids Dried at 180 °C (2540 C.) | 398 | 940 | 858 | Less than 3,000 |
| BOD ₅ (mg/L) | 5 Day BOD Test (5210 B.) & Membrane Electrode Method (4500-O G.) | 3,760 | 7 | 5 | Less than 20 |
| COD (mg/L) | Closed Reflux, Titrimetric Method (5220 C.) | 6,984 | 51 | 38 | Less than 120 |
| TKN (mg/L) | Macro-Kjeldahl Method (4500-N _{org} B.) & Titrimetric Method (4500-NH ₃ C.) | 11 | 4.9 | 3.7 | 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 | 2,400 | 5,400 | - |

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.

Laboratory Operator

15 / 02 / 23

Laboratory Supervisor

15 / 02 / 23

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



Ref. No. W113-W115/03/23

Report No. 2303/185

338/12/65

Wastewater Quality Analysis Report

Project : Asia Pet (Thailand) Co., Ltd. Sampling Date : 3 March 2023
Project Location : 61/1 Moo 11, Bangngha-Thakhleng Road, Kaosamorkorn, Tawung, Lopburi Date Received : 3 March 2023
Client Name/Address : Asia Pet (Thailand) Co., Ltd. Date of Analysis : 3-13 March 2023
Sampling by : Asia Pet (Thailand) Co., Ltd. Date Reported : 15 March 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.) | 7.43 | 7.15 | 7.08 | 5.5-9.0 |
| Total Suspended Solids (mg/L) | Total Suspended Solids Dried at 103-105 °C (2540 D.) | 3.8 | 6.1 | 5.5 | Less than 50 |
| Total Dissolved Solids (mg/L) | Total Dissolved Solids Dried at 180 °C (2540 C.) | 174 | 1,020 | 950 | Less than 3,000 |
| BOD ₅ (mg/L) | 5 Day BOD Test (5210 B.) & Membrane Electrode Method (4500-O G.) | 3,030 | 7 | 5 | Less than 20 |
| COD (mg/L) | Closed Reflux, Titrimetric Method (5220 C.) | 7,509 | 44 | 32 | Less than 120 |
| TKN (mg/L) | Macro-Kjeldahl Method (4500-N _{org} B.) & Titrimetric Method (4500-NH ₃ C.) | 6.4 | 5.1 | 4.2 | 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 | 2,400 | 3,500 | - |

Remark:

Sample Characteristics:

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

Laboratory Operator

15 / 03 / 23

Laboratory Supervisor

15 / 03 / 23

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



Ref. No. W009-W011/04/23

Report No. 2304/116

338/12/65

Wastewater Quality Analysis Report

Project : Asia Pet (Thailand) Co., Ltd. Sampling Date : 3 April 2023
Project Location : 61/1 Moo 11, Bangngha-Thakhleng Road, Kaosamorkom, Date Received : 3 April 2023
Tawung, Lopburi Date of Analysis : 3-11 April 2023
Client Name/Address : Asia Pet (Thailand) Co., Ltd. Date Reported : 12 April 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.) | 8.08 | 7.57 | 7.43 | 5.5-9.0 |
| Total Suspended Solids (mg/L) | Total Suspended Solids Dried at 103-105 °C (2540 D.) | 2.5 | 6.4 | 5.0 | Less than 50 |
| Total Dissolved Solids (mg/L) | Total Dissolved Solids Dried at 180 °C (2540 C.) | 202 | 810 | 752 | Less than 3,000 |
| BOD ₅ (mg/L) | 5 Day BOD Test (5210 B.) & Membrane Electrode Method (4500-O G.) | 3,720 | 4 | 3 | Less than 20 |
| COD (mg/L) | Closed Reflux, Titrimetric Method (5220 C.) | 9,332 | 48 | 25 | Less than 120 |
| TKN (mg/L) | Macro-Kjeldahl Method (4500-N _{org} B.) & Titrimetric Method (4500-NH ₃ C.) | 7.1 | 5.3 | 4.7 | 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 | 2,200 | 4,900 | - |

Remark:

Sample Characteristics:

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

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.

Laboratory Operator

12 / 04 / 23

Laboratory Supervisor

12 / 04 / 23

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



Ref. No. W261, W260, W259/05/23

Report No. 2305/283

338/12/65

Wastewater Quality Analysis Report

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

Sampling Date : 3 May 2023

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

Date Received : 4 May 2023

ชื่อ/ที่อยู่ลูกค้า : Asia Pet (Thailand) Co., Ltd.

Date of Analysis : 4-15 May 2023

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

Date Reported : 17 May 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.) | 7.56 | 7.78 | 7.13 | 5.5-9.0 |
| Total Suspended Solids (mg/L) | Total Suspended Solids Dried at 103-105 °C (2540 D.) | 3.6 | 5.2 | 4.8 | Less than 50 |
| Total Dissolved Solids (mg/L) | Total Dissolved Solids Dried at 180 °C (2540 C.) | 188 | 676 | 442 | Less than 3,000 |
| BOD ₅ (mg/L) | 5 Day BOD Test (5210 B.) & Membrane Electrode Method (4500-O G.) | 3,740 | 3 | 2 | Less than 20 |
| COD (mg/L) | Closed Reflux, Titrimetric Method (5220 C.) | 7,331 | 45 | 29 | Less than 120 |
| TKN (mg/L) | Macro-Kjeldahl Method (4500-N _{org} B.) & Titrimetric Method (4500-NH ₃ C.) | 5.3 | 6.7 | 3.3 | 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 | 3,500 | 5,400 | - |

Remark:

Sample Characteristics:

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

Laboratory Operator

17 / 05 / 23

Laboratory Supervisor

17 / 05 / 23

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



Ref. No. W353-W355/06/23

Report No. 2306/230

338/12/65

Wastewater Quality Analysis Report

Project : Asia Pet (Thailand) Co., Ltd. Sampling Date : 12 June 22023
Project Location : 61/1 Moo 11, Bangngha-Thakhlong Road, Kaosamorkorn, Tawung, Lopburi Date Received : 12 June 22023
Client Name/Address : Asia Pet (Thailand) Co., Ltd. Date of Analysis : 12-19 June 2023
Sampling by : Asia Pet (Thailand) Co., Ltd. Date Reported : 21 June 22023

| 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.) | 6.58 | 7.89 | 7.64 | 5.5-9.0 |
| Total Suspended Solids (mg/L) | Total Suspended Solids Dried at 103-105 °C (2540 D.) | 5.0 | 7.0 | 5.6 | Less than 50 |
| Total Dissolved Solids (mg/L) | Total Dissolved Solids Dried at 180 °C (2540 C.) | 210 | 748 | 534 | Less than 3,000 |
| BOD ₅ (mg/L) | 5 Day BOD Test (5210 B.) & Membrane Electrode Method (4500-O G.) | 3,800 | 5 | 3 | Less than 20 |
| COD (mg/L) | Closed Reflux, Titrimetric Method (5220 C.) | 7,111 | 45 | 31 | Less than 120 |
| TKN (mg/L) | Macro-Kjeldahl Method (4500-N _{org} B.) & Titrimetric Method (4500-NH ₃ C.) | 5.8 | 7.7 | 3.0 | 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 | 270 | 330 | - |

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.

Laboratory Operator

21 / 6 / 23

Laboratory Supervisor

21 / 6 / 23

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

คุณภาพอากาศในสถานประกอบการ



Ref. No. A107-A108/04/23

Report No. 2304/249

338/12/65

Workplace Air Quality Analysis Report

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

Sampling Date : 10 April 2023
Date Received : 11 April 2023
Date of Analysis : 11-25 April 2023
Date Reported : 27 April 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.

Laboratory Operator
27 / 04 / 23

Laboratory Supervisor
27 / 04 / 23

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



Ref. No. A109-A111/04/23

Report No. 2304/249

338/12/65

Workplace Air Quality Analysis Report

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

Sampling Date : 10 April 2023
Date Received : 11 April 2023
Date of Analysis : 11-25 April 2023
Date Reported : 27 April 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.

Laboratory Operator

27 / 04 / 23

Laboratory Supervisor

27 / 04 / 23

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



Ref. No. A112-A114/04/23

Report No. 2304/249

338/12/65

Workplace Air Quality Analysis Report

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

Sampling Date : 10 April 2023
Date Received : 11 April 2023
Date of Analysis : 11-25 April 2023
Date Reported : 27 April 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.

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

Laboratory Operator

27 / 04 / 23

Laboratory Supervisor

27 / 04 / 23

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



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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. A106-A107/06/23

Report No. 2306/194

338/12/65

Workplace Air Quality Analysis Report

Project : Asia Pet (Thailand) Limited Sampling Date : 8 June 2023
 Project Location : 61/1 Moo 11, Bangngha-Thakhleng Road, Date Received : 9 June 2023
 Kaosamorkorn, Tawung, Lopburi Date of Analysis : 9-21 June 2023
 Client Name/Address : Asia Pet (Thailand) Limited Date Reported : 23 June 2023
 Sampling by : Piyawat Simma
 S.P.S. Consulting Service Co., Ltd.

| 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.

Laboratory Operator
 23 / 06 / 23

Laboratory Supervisor
 23 / 06 / 23

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

ระดับเสียงในสถานประกอบการ



บริษัท เอส.พี.เอส. คอนซัลติ้ง เซอร์วิส จำกัด

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

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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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BY103/04/66

338/12/65

Noise Level Report

Project : Asia Pet (Thailand) Co., Ltd. Sampling Date : 10 April 2023
Project Location : 61/1 Moo 11, Bangngha-Thaklong Road Date Reported : 17 April 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)] | | | | | |
| 12:00-13:00 | 79.7 | - | | | | |
| 13:00-14:00 | 80.3 | - | | | | |
| 14:00-15:00 | 80.8 | - | | | | |
| 15:00-16:00 | 81.3 | - | | | | |
| 16:00-17:00 | 81.9 | - | | | | |
| 17:00-18:00 | 81.7 | - | | | | |
| 18:00-19:00 | 81.8 | - | | | | |
| 19:00-20:00 | 81.4 | - | | | | |
| L _{eq} 8 hr [dB(A)] | 81.2 | Less Than 90.0 | | | | |
| L _{max} [dB(A)] | 93.9 | Less Than 140.0 | | | | |
| - | Sound Level Meter Data | | | | | - |
| | Calibrate Sheet No.: Noise B_123_1/23 | | | | 09 April 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.



Technician and Analysis of Work Environment

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BY103/04/66

338/12/65

Noise Level Report

Project : Asia Pet (Thailand) Co., Ltd. Sampling Date : 10 April 2023
Project Location : 61/1 Moo 11, Bangngha-Thaklong Road Date Reported : 17 April 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)] | | | | | |
| 12:00-13:00 | 81.3 | | | | | - |
| 13:00-14:00 | 80.1 | | | | | - |
| 14:00-15:00 | 81.9 | | | | | - |
| 15:00-16:00 | 80.9 | | | | | - |
| 16:00-17:00 | 81.0 | | | | | - |
| 17:00-18:00 | 79.4 | | | | | - |
| 18:00-19:00 | 82.1 | | | | | - |
| 19:00-20:00 | 83.1 | | | | | - |
| L _{eq} 8 hr [dB(A)] | 81.4 | | | | | Less Than 90.0 |
| L _{max} [dB(A)] | 98.3 | | | | | Less Than 140.0 |
| - | Sound Level Meter Data | | | | | - |
| | Calibrate Sheet No.: Noise B_123_1/23 | | | 09 April 2023 | | |
| | Equipment | Brand | Model | Serial No. | Standard | |
| | Sound Level Meter (No.B29) | ACO | 6236 | 00182011 | IEC 61672 | |
| | Actual Reading [dB] | | | | | |
| | Before Adjustment | | | After Adjustment | | |
| | 94.0 | | | 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.



Technician and Analysis of Work Environment

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BY103/04/66

338/12/65

Noise Level Report

Project : Asia Pet (Thailand) Co., Ltd. Sampling Date : 10 April 2023
Project Location : 61/1 Moo 11, Bangngha-Thaklong Road Date Reported : 17 April 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)] | | | | | |
| 12:00-13:00 | 81.8 | - | | | | |
| 13:00-14:00 | 81.4 | - | | | | |
| 14:00-15:00 | 81.4 | - | | | | |
| 15:00-16:00 | 81.5 | - | | | | |
| 16:00-17:00 | 81.9 | - | | | | |
| 17:00-18:00 | 81.5 | - | | | | |
| 18:00-19:00 | 80.7 | - | | | | |
| 19:00-20:00 | 81.7 | - | | | | |
| L _{eq} 8 hr [dB(A)] | 81.5 | Less Than 90.0 | | | | |
| L _{max} [dB(A)] | 93.1 | Less Than 140.0 | | | | |
| - | Sound Level Meter Data | | | | | - |
| | Calibrate Sheet No.: Noise B_123_1/23 | | | 09 April 2023 | | |
| | Equipment | Brand | Model | Serial No. | Standard | |
| | Sound Level Meter (No.B33) | ACO | 6236 | 00182015 | IEC 61672 | |
| | Actual Reading [dB] | | | | | |
| | Before Adjustment | | | After Adjustment | | |
| | 94.1 | | | 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.

Technician and Analysis of Work Environment

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BY103/04/66

338/12/65

Noise Level Report

Project : Asia Pet (Thailand) Co., Ltd. Sampling Date : 10 April 2023
Project Location : 61/1 Moo 11, Bangngha-Thaklong Road Date Reported : 17 April 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)] | | | | | |
| 11:30-12:30 | 82.1 | - | | | | |
| 12:30-13:30 | 82.0 | - | | | | |
| 13:30-14:30 | 82.1 | - | | | | |
| 14:30-15:30 | 82.2 | - | | | | |
| 15:30-16:30 | 82.0 | - | | | | |
| 16:30-17:30 | 82.3 | - | | | | |
| 17:30-18:30 | 82.0 | - | | | | |
| 18:30-19:30 | 82.0 | - | | | | |
| L _{eq} 8 hr [dB(A)] | 82.1 | Less Than 90.0 | | | | |
| L _{max} [dB(A)] | 96.0 | Less Than 140.0 | | | | |
| - | Sound Level Meter Data | | | | | - |
| | Calibrate Sheet No.: Noise B_123_1/23 | | | 09 April 2023 | | |
| | Equipment | Brand | Model | Serial No. | Standard | |
| | Sound Level Meter (No.B36) | ACO | 6236 | 00192027 | IEC 61672 | |
| | Actual Reading [dB] | | | | | |
| | Before Adjustment | | | After Adjustment | | |
| | 94.1 | | | 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.

Technician and Analysis of Work Environment

17 / 4 / 23



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

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

1/1

BY079/06/66

338/12/65

Noise Level Report

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

Sampling Date : 08 June 2023

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

Date Reportec : 14 June 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)] | | | | | |
| 10:00-11:00 | 79.6 | - | | | | |
| 11:00-12:00 | 80.4 | - | | | | |
| 12:00-13:00 | 80.0 | - | | | | |
| 13:00-14:00 | 80.6 | - | | | | |
| 14:00-15:00 | 80.7 | - | | | | |
| 15:00-16:00 | 80.4 | - | | | | |
| 16:00-17:00 | 80.1 | - | | | | |
| 17:00-18:00 | 79.9 | - | | | | |
| L _{eq} 8 hr [dB(A)] | 80.2 | Less Than 90.0 | | | | |
| L _{max} [dB(A)] | 98.8 | Less Than 140.0 | | | | |
| - | Sound Level Meter Data | | | | | - |
| | Calibrate Sheet No.: Noise B 239/23 | | | 06 June 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.

Technician and Analysis of Work Environment
14.6 / 23



BY079/06/66

338/12/65

Noise Level Report

Project : Asia Pet (Thailand) Co., Ltd. Sampling Date : 08 June 2023
Project Location : 61/1 Moo 11, Bangnga-Thaklong Road Date Reportec : 14 June 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)] | | | | | |
| 10:30-11:30 | 79.2 | | | | | - |
| 11:30-12:30 | 77.4 | | | | | - |
| 12:30-13:30 | 81.5 | | | | | - |
| 13:30-14:30 | 81.5 | | | | | - |
| 14:30-15:30 | 82.3 | | | | | - |
| 15:30-16:30 | 81.2 | | | | | - |
| 16:30-17:30 | 81.7 | | | | | - |
| 17:30-18:30 | 81.4 | | | | | - |
| L _{eq} 8 hr [dB(A)] | 81.0 | | | | | Less Than 90.0 |
| L _{max} [dB(A)] | 99.3 | | | | | Less Than 140.0 |
| - | Sound Level Meter Data | | | | | - |
| | Calibrate Sheet No.: Noise B 239/23 | | | 06 June 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.

Technician and Analysis of Work Environment
14 / 6 / 23



BY079/06/66

338/12/65

Noise Level Report

Project : Asia Pet (Thailand) Co., Ltd. Sampling Date : 08 June 2023
Project Location : 61/1 Moo 11, Bangnga-Thaklong Road Date Reportec : 14 June 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 | 82.0 | - | | | | |
| 11:30-12:30 | 81.5 | - | | | | |
| 12:30-13:30 | 82.3 | - | | | | |
| 13:30-14:30 | 83.2 | - | | | | |
| 14:30-15:30 | 83.2 | - | | | | |
| 15:30-16:30 | 82.4 | - | | | | |
| 16:30-17:30 | 82.7 | - | | | | |
| 17:30-18:30 | 82.6 | - | | | | |
| L _{eq} 8 hr [dB(A)] | 82.5 | Less Than 90.0 | | | | |
| L _{max} [dB(A)] | 95.6 | Less Than 140.0 | | | | |
| - | Sound Level Meter Data | | | | | - |
| | Calibrate Sheet No.: Noise B 239/23 | | | 06 June 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.

Technician and Analysis of Work Environment

14 / 6 / 23



BY079/06/66

338/12/65

Noise Level Report

Project : Asia Pet (Thailand) Co., Ltd. Sampling Date : 08 June 2023
Project Location : 61/1 Moo 11, Bangnga-Thaklong Road Date Reportec : 14 June 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)] | | | | | |
| 10:00-11:00 | 82.4 | - | | | | |
| 11:00-12:00 | 82.2 | - | | | | |
| 12:00-13:00 | 82.4 | - | | | | |
| 13:00-14:00 | 82.4 | - | | | | |
| 14:00-15:00 | 82.7 | - | | | | |
| 15:00-16:00 | 83.1 | - | | | | |
| 16:00-17:00 | 83.1 | - | | | | |
| 17:00-18:00 | 82.7 | - | | | | |
| L _{eq} 8 hr [dB(A)] | 82.6 | Less Than 90.0 | | | | |
| L _{max} [dB(A)] | 95.0 | Less Than 140.0 | | | | |
| - | Sound Level Meter Data | | | | | - |
| | Calibrate Sheet No.: Noise B 239/23 | | | 06 June 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.

Technician and Analysis of Work Environment

14 / 6 / 23