

ภาคผนวก ก

หนังสือรับรองผลการตรวจวิเคราะห์

ผลการตรวจวัดคุณภาพอากาศในบรรยากาศ



Report No. : 2022-5003734-3 / 002-1 (Page 1 of 9)

Issued date : November 9, 2022

CLIENT : AIRPORTS OF THAILAND PUBLIC COMPANY LIMITED

CONTACT ADDRESS

Analysis Report

SAMPLE DESIGNATED AS : Ambient Air Quality
SAMPLING LOCATION : เขต Airside บริเวณคลังสินค้า
LABORATORY NAME : บริษัท คิงพาวเวอร์ จำกัด (บริเวณสถานีดับเพลิงและกู้ภัยเดิม)
SGS (Thailand) Limited

SAMPLING DATE : October 13-19, 2022
SAMPLING BY :

Station	Date	TSP (mg/m ³)
เขต Airside บริเวณคลังสินค้าของ บริษัท คิงพาวเวอร์ จำกัด (บริเวณสถานีดับเพลิงและกู้ภัยเดิม)	October 13, 2022	0.046
	October 14, 2022	0.057
	October 15, 2022	0.060
	October 16, 2022	0.050
	October 17, 2022	0.049
	October 18, 2022	0.058
Standard ^{1/}		0.33

Remark : Sampling and analytical technique for TSP based on High Volume Air Sampler / Gravimetric Method.

Source : Notification of the National Environment Board No.24, B.E.2547 (2004), dated August 9, B.E.2547 (2004).



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E 256220

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Report No. : 2022-5003734-3 / 002-1 (Page 2 of 9)

Issued date : November 9, 2022

CLIENT : AIRPORTS OF THAILAND PUBLIC COMPANY LIMITED

CONTACT ADDRESS

Analysis Report

SAMPLE DESIGNATED AS : Ambient Air Quality
SAMPLING LOCATION : เขต Airside บริเวณคลังสินค้า
LABORATORY NAME : บริษัท คิงพาวเวอร์ จำกัด (บริเวณสถานีดับเพลิงและกู้ภัยเดิม)
SGS (Thailand) Limited

SAMPLING DATE : October 13-19, 2022
SAMPLING BY :

Station	Date	PM-10 (mg/m ³)
เขต Airside บริเวณคลังสินค้าของ บริษัท คิงพาวเวอร์ จำกัด (บริเวณสถานีดับเพลิงและกู้ภัยเดิม)	October 13, 2022	0.022
	October 14, 2022	0.023
	October 15, 2022	0.018
	October 16, 2022	0.023
	October 17, 2022	0.027
	October 18, 2022	0.017
Standard ^{1/}		0.12

Remark : Sampling and analytical technique for PM10 based on Size Selective High Volume Air Sampler / Gravimetric Method.

Source : Notification of the National Environment Board No.24, B.E.2547 (2004), dated August 9, B.E.2547 (2004).



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Report No. : 2022-5003734-3 / 002-1 (Page 3 of 9) Issued date : November 9, 2022

CLIENT : AIRPORTS OF THAILAND PUBLIC COMPANY LIMITED

CONTACT ADDRESS

Analysis Report

SAMPLE DESIGNATED AS : Ambient Air Quality

SAMPLING DATE : October 13-19, 2022

SAMPLING LOCATION : เขต Airside บริเวณคลังสินค้า

SAMPLING BY :

ของ บริษัท คิงพาวเวอร์ จำกัด (บริเวณสถานีดับเพลิงและกู้ภัย)

LABORATORY NAME : SGS (Thailand) Limited

Station	Date	THC (ppm)
Airside คลังสินค้า King Power (บริเวณสถานีดับเพลิงและกู้ภัย)	October 13, 2022	1.75
	October 14, 2022	1.70
	October 15, 2022	1.79
	October 16, 2022	2.03
	October 17, 2022	2.06
	October 18, 2022	2.62
	October 19, 2022	2.42

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Report No. : 2022-5003734-3 / 002-1 (Page 4 of 9) Issued date : November 9, 2022

CLIENT : AIRPORTS OF THAILAND PUBLIC COMPANY LIMITED

CONTACT ADDRESS

Analysis Report

SAMPLE DESIGNATED AS : Ambient Air Quality

SAMPLING DATE : October 13-19, 2022

SAMPLING LOCATION : เขต Airside บริเวณคลังสินค้า

SAMPLING BY :

ของ บริษัท คิงพาวเวอร์ จำกัด (บริเวณสถานีดับเพลิงและกู้ภัย)

LABORATORY NAME : SGS (Thailand) Limited

Time	CO Concentration (ppm)									
	October 13, 2022	October 14, 2022	October 15, 2022	October 16, 2022	October 17, 2022	October 18, 2022	October 19, 2022	October 13, 2022	October 14, 2022	October 15, 2022
00:00-01:00	0.288	0.207	0.166	0.209	0.188	0.184	0.214	0.288	0.207	0.166
01:00-02:00	0.298	0.183	0.216	0.197	0.185	0.199	0.202	0.298	0.183	0.216
02:00-03:00	0.267	0.176	0.168	0.176	0.168	0.165	0.208	0.267	0.176	0.168
03:00-04:00	0.285	0.166	0.169	0.165	0.172	0.175	0.233	0.285	0.166	0.169
04:00-05:00	0.296	0.162	0.172	0.162	0.182	0.203	0.246	0.296	0.162	0.172
05:00-06:00	0.240	0.168	0.180	0.153	0.175	0.201	0.254	0.240	0.168	0.180
06:00-07:00	0.296	0.167	0.169	0.160	0.210	0.235	0.270	0.296	0.167	0.169
07:00-08:00	0.346	0.207	0.223	0.168	0.218	0.235	0.283	0.346	0.207	0.223
08:00-09:00	0.306	0.232	0.211	0.194	0.337	0.199	0.283	0.306	0.232	0.211
09:00-10:00	0.234	0.207	0.230	0.260	0.245	0.257	0.269	0.234	0.207	0.230
10:00-11:00	0.242	0.211	0.214	0.264	0.221	0.244	0.286	0.242	0.211	0.214
11:00-12:00	0.279	0.220	0.196	0.195	0.221	0.221	0.254	0.279	0.220	0.196
12:00-13:00	0.262	0.215	0.208	0.194	0.292	0.258	0.235	0.262	0.215	0.208
13:00-14:00	0.260	0.232	0.239	0.223	0.195	0.268	0.295	0.260	0.232	0.239
14:00-15:00	0.307	0.258	0.257	0.239	0.241	0.260	0.289	0.307	0.258	0.257
15:00-16:00	0.215	0.240	0.230	0.253	0.209	0.263	0.280	0.215	0.240	0.230
16:00-17:00	0.218	0.219	0.217	0.190	0.252	0.217	0.264	0.218	0.219	0.217
17:00-18:00	0.257	0.244	0.200	0.227	0.227	0.252	0.258	0.257	0.244	0.200
18:00-19:00	0.214	0.231	0.214	0.207	0.200	0.248	0.277	0.214	0.231	0.214
19:00-20:00	0.267	0.226	0.224	0.173	0.208	0.286	0.323	0.267	0.226	0.224
20:00-21:00	0.287	0.183	0.198	0.189	0.255	0.341	0.270	0.287	0.183	0.198
21:00-22:00	0.303	0.226	0.220	0.206	0.233	0.317	0.270	0.303	0.226	0.220
22:00-23:00	0.347	0.218	0.222	0.247	0.286	0.310	0.284	0.347	0.218	0.222
23:00-00:00	0.253	0.202	0.255	0.194	0.224	0.303	0.330	0.253	0.202	0.255
1 hr-Minimum	0.214	0.162	0.166	0.153	0.168	0.165	0.202	0.214	0.162	0.166
1 hr-Maximum	0.347	0.258	0.257	0.284	0.337	0.348	0.330	0.347	0.258	0.257
Avg. 8 hrs	0.290	0.180	0.183	0.174	0.195	0.198	0.239	0.290	0.180	0.183
05:00-16:00	0.263	0.227	0.223	0.245	0.246	0.274		0.263	0.227	0.223
16:00-00:00	0.268	0.219	0.219	0.204	0.236	0.297	0.285	0.268	0.219	0.219
Standard* (avg. 8 hrs)	9									
Standard* (avg. 1 hr)	30									

Analytical Method : Non-Dispersive Infrared (NDIR) Method.

Source : Notification of the National Environment Board No.10, B

8 (1995).



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Report No. : 2022-5003734-3 / 002-1 (Page 5 of 9)

Issued date : November 9, 2022

CLIENT : AIRPORTS OF THAILAND PUBLIC COMPANY LIMITED

CONTACT ADDRESS : [Redacted]

Analysis Report

SAMPLE DESIGNATED AS : Ambient Air Quality

SAMPLING DATE : October 13-19, 2022

SAMPLING LOCATION : เขต Airside บริเวณคลังสินค้า

SAMPLING BY : [Redacted]

ขอปรึกษา คิวพาวเวอร์ จำกัด (บริเวณสถานที่ตั้งเพื่ิเลและกู้ยืม)

LABORATORY NAME : SGS (Thailand) Limited

Time	NO _x Concentration (ppm)									
	October 13, 2022	October 14, 2022	October 15, 2022	October 16, 2022	October 17, 2022	October 18, 2022	October 19, 2022			
00:00-01:00	0.004	0.005	0.004	0.004	0.004	0.003	0.001			
01:00-02:00	0.006	0.006	0.006	0.006	0.006	0.002	0.002			
02:00-03:00	0.001	0.006	0.005	0.001	0.004	0.001	0.001			
03:00-04:00	0.003	0.003	0.003	0.003	0.002	0.004	0.003			
04:00-05:00	0.002	0.006	0.003	0.008	0.002	0.004	0.003			
05:00-06:00	0.008	0.003	0.005	0.006	0.005	0.003	0.004			
06:00-07:00	0.001	0.007	0.008	0.004	0.004	0.003	0.003			
07:00-08:00	0.002	0.001	0.001	0.005	0.004	0.003	0.002			
08:00-09:00	0.002	0.002	0.003	0.005	0.004	0.002	0.002			
09:00-10:00	0.007	0.002	0.002	0.002	0.004	0.007	0.002			
10:00-11:00	0.003	0.002	0.001	0.007	0.003	0.004	0.004			
11:00-12:00	0.005	0.001	0.004	0.005	0.006	0.002	0.005			
12:00-13:00	0.006	0.003	0.001	0.005	0.004	0.003	0.002			
13:00-14:00	0.002	0.001	0.004	0.005	0.005	0.002	0.003			
14:00-15:00	0.005	0.003	0.004	0.004	0.005	0.002	0.004			
15:00-16:00	0.003	0.002	0.002	0.002	0.002	0.002	0.006			
16:00-17:00	0.003	0.005	0.003	0.003	0.002	0.003	0.004			
17:00-18:00	0.002	0.002	0.007	0.004	0.003	0.008	0.003			
18:00-19:00	0.001	0.003	0.001	0.003	0.006	0.006	0.003			
19:00-20:00	0.004	0.003	0.003	0.001	0.006	0.004	0.009			
20:00-21:00	0.008	0.005	0.002	0.005	0.007	0.005	0.005			
21:00-22:00	0.007	0.004	0.003	0.003	0.006	0.008	0.006			
22:00-23:00	0.008	0.005	0.003	0.005	0.007	0.005	0.006			
23:00-00:00	0.005	0.002	0.005	0.006	0.005	0.004	0.007			
1 hr-Minimum	0.001	0.001	0.001	0.001	0.002	0.001	0.001			
1 hr-Maximum	0.008	0.007	0.008	0.008	0.007	0.008	0.009			
Standard* (avg. 1 hr)	≥0.17									

Analytical Method : Chemiluminescence Method.

Source : Notification of the National Environment Board No.33, B.E.2552 (2009), dated June 17, B.E.2552 (2009).



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Report No. : 2022-5003734-3 / 002-1 (Page 6 of 9)

Issued date : November 9, 2022

CLIENT : AIRPORTS OF THAILAND PUBLIC COMPANY LIMITED

CONTACT ADDRESS : [Redacted]

Analysis Report

SAMPLE DESIGNATED AS : Ambient Air Quality

SAMPLING DATE : October 13-19, 2022

SAMPLING LOCATION : เขต Airside บริเวณคลังสินค้า

SAMPLING BY : [Redacted]

ขอปรึกษา คิวพาวเวอร์ จำกัด (บริเวณสถานที่ตั้งเพื่ิเลและกู้ยืม)

LABORATORY NAME : SGS (Thailand) Limited

Parameter	Analytical Value (avg-24 hr, µg/m ³)								Surveillance value* (µg/m ³)	Standard** (µg/m ³)
	October 13, 2022	October 14, 2022	October 15, 2022	October 16, 2022	October 17, 2022	October 18, 2022	October 19, 2022			
VOCs										
1. Vinyl Chloride	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	20	-
2. 1,3-Butadiene (Butadiene)	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	5.3	-
3. Acetaldehyde	8.86	12.41	10.70	9.96	7.59	8.21	10.61	8.60	860	-
4. Bromomethane	1.40	4.04	2.33	<0.19	0.31	<0.19	<0.19	<0.19	190	-
5. Acrolein	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	0.55	-
6. Carbonylsulfide	2.24	0.78	1.37	0.37	<0.16	0.25	0.37	-	100	-
7. Dichloromethane	2.61	1.28	1.74	0.83	1.33	0.56	0.97	210	-	-
8. Chloroform	<0.24	0.59	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	57	-
9. Carbon Tetrachloride	<0.31	<0.31	<0.31	<0.31	<0.31	<0.31	<0.31	<0.31	150	-
10. Benzene	0.51	1.28	0.77	0.26	0.38	0.38	0.51	7.6	-	-
11. 1,2-dichloroethane (EDC)	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	48	-
12. Trichloroethylene	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	130	-
13. 1,2-dichloropropane	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	82	-
14. 1,4-Dioxane	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	860	-
15. Tetrachloroethylene	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	400	-
16. 1,2-dibromoethane	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	370	-
17. 1,1,2,2-tetrachloroethane	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	83	-
18. 1,4-dichlorobenzene	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	1,100	-
19. Benzyl Chloride	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	12	-
20. Acrylonitrile	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	10	-

Remark: Sampling and analytical technique based on EPA TO-15 by Canister and GC-MS.

Source: Notification of Pollution Control Department No.18, B.E.2551 (2008), published in the Royal Government Gazette Vol. 126 (Special Part) 130, dated Jan 27, B.E.2552 (2009).

Notification of the National Environment Board, subject: The standard values of Carbonylsulfide in ambient air, dated August 21, B.E.2560 (2017), published in the Royal Government Gazette Vol. 134, Special Part 230E, dated September 20, B.E.2560 (2017).



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Report No. : 2022-5003734-3 / 002-1 (Page 9 of 9)

Issued date : November 9, 2022

CLIENT : AIRPORTS OF THAILAND PUBLIC COMPANY LIMITED

CONTACT ADDRESS

Analysis Report

SAMPLE DESIGNATED AS : Ambient Air Quality

SAMPLING DATE : October 13-19, 2022

SAMPLING LOCATION : เขต Aside บริเวณคลังสินค้า

SAMPLING BY : [REDACTED]

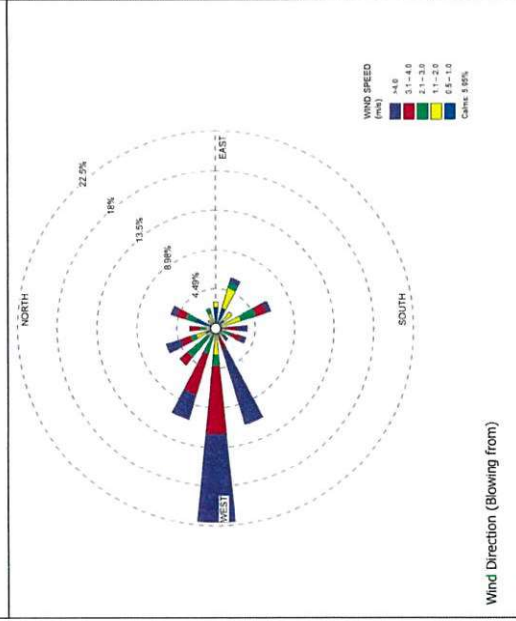
ของ บริษัท สิงคโปร์ จำกัด (บริเวณสถานีดับเพลิงและกู้ภัยเดิม)

LABORATORY NAME : SGS (Thailand) Limited

WIND ROSE PLOT

Sampling Location : เขต Aside บริเวณคลังสินค้าของบริษัท สิงคโปร์ จำกัด
(บริเวณสถานีดับเพลิงและกู้ภัยเดิม)

Sampling Date : October 13-19, 2022





Report No. : 2022-5003734-3 / 002-2 (Page 2 of 9) Issued date : November 9, 2022

CLIENT : AIRPORTS OF THAILAND PUBLIC COMPANY LIMITED
CONTACT :
ADDRESS :

Analysis Report

SAMPLE DESIGNATED AS : Ambient Air Quality
SAMPLING LOCATION : บริเวณลานจอดรถหน้าอาคารผู้โดยสาร
LABORATORY NAME : SGS (Thailand) Limited
SAMPLING DATE : October 13-19, 2022
SAMPLING BY :

Station	Date	PM-10 (mg/m ³)
บริเวณลานจอดรถหน้าอาคารผู้โดยสาร	October 13, 2022	0.023
	October 14, 2022	0.018
	October 15, 2022	0.018
	October 16, 2022	0.020
	October 17, 2022	0.018
	October 18, 2022	0.022
Standard ¹⁾		0.12

Remark : Sampling and analytical technique for PM₁₀ based on Size Selective High Volume Air Sampler / Gravimetric Method.
Source : Notification of the National Environment Board No.24, B.E.2547 (2004), dated August 9, B.E.2547 (2004).

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Report No. : 2022-5003734-3 / 002-2 (Page 3 of 9) Issued date : November 9, 2022

CLIENT : AIRPORTS OF THAILAND PUBLIC COMPANY LIMITED
CONTACT :
ADDRESS :

Analysis Report

SAMPLE DESIGNATED AS : Ambient Air Quality
SAMPLING LOCATION : บริเวณลานจอดรถหน้าอาคารผู้โดยสาร
LABORATORY NAME : SGS (Thailand) Limited
SAMPLING DATE : October 13-19, 2022
SAMPLING BY :

Station	Date	THC (ppm)
บริเวณลานจอดรถหน้าอาคารผู้โดยสาร	October 13, 2022	1.82
	October 14, 2022	2.57
	October 15, 2022	2.78
	October 16, 2022	2.19
	October 17, 2022	2.25
	October 18, 2022	2.22
October 19, 2022		1.88

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Report No. : 2022-5003734-3 / 002-2 (Page 4 of 9) Issued date : November 9, 2022

CLIENT : AIRPORTS OF THAILAND PUBLIC COMPANY LIMITED

CONTACT ADDRESS

Analysis Report

SAMPLE DESIGNATED AS : Ambient Air Quality
SAMPLING LOCATION : บริเวณลานจอดรถหน้าอาคารผู้โดยสาร SAMPLING BY :
LABORATORY NAME : SGS (Thailand) Limited

SAMPLE DESIGNATED AS : Ambient Air Quality
SAMPLING LOCATION : บริเวณลานจอดรถหน้าอาคารผู้โดยสาร SAMPLING BY :
LABORATORY NAME : SGS (Thailand) Limited

Analysis Report

Time	October 13, 2022	October 14, 2022	October 15, 2022	October 16, 2022	October 17, 2022	October 18, 2022	October 19, 2022
00:00-01:00	0.763	0.632	0.596	0.632	0.646	0.682	0.722
01:00-02:00	0.712	0.535	0.562	0.681	0.633	0.630	0.692
02:00-03:00	0.692	0.527	0.564	0.615	0.662	0.626	0.680
03:00-04:00	0.697	0.588	0.555	0.670	0.663	0.711	0.667
04:00-05:00	0.734	0.588	0.604	0.675	0.628	0.672	0.719
05:00-06:00	0.668	0.631	0.747	0.818	0.729	0.890	0.841
06:00-07:00	0.951	0.938	0.700	0.796	1.055	0.735	1.064
07:00-08:00	0.933	0.955	0.648	0.703	0.873	0.768	1.227
08:00-09:00	0.715	0.681	0.678	0.842	0.736	0.919	0.802
09:00-10:00	0.953	0.715	0.644	0.796	0.655	0.854	0.716
10:00-11:00	0.831	0.731	0.726	0.812	0.767	0.785	0.743
11:00-12:00	0.714	0.701	0.886	0.685	0.825	0.778	0.848
12:00-13:00	0.650	0.697	0.794	0.772	0.762	0.921	0.921
13:00-14:00	0.953	0.724	0.943	0.737	1.044	1.347	0.975
14:00-15:00	0.714	0.638	0.870	0.794	0.775	0.931	0.868
15:00-16:00	0.646	0.677	0.807	0.754	0.773	0.899	0.802
16:00-17:00	0.687	0.762	0.725	0.822	1.011	1.131	0.929
17:00-18:00	0.609	0.616	0.755	0.686	0.782	1.035	0.942
18:00-19:00	0.800	0.588	0.843	0.703	0.870	0.946	0.853
19:00-20:00	0.613	0.641	0.874	0.747	0.771	0.968	0.884
20:00-21:00	0.778	0.758	0.757	1.891	0.851	0.802	0.870
21:00-22:00	0.847	0.642	0.889	0.724	0.783	0.910	1.044
22:00-23:00	0.670	0.685	0.891	0.860	0.715	0.806	0.983
23:00-00:00	0.604	0.569	0.801	0.633	0.648	0.739	0.848
1 hr-Minimum	0.604	0.527	0.555	0.615	0.628	0.626	0.667
1 hr-Maximum	0.968	0.955	0.943	1.891	1.055	1.347	1.227
Avg. 8 hrs	0.806	0.670	0.621	0.699	0.736	0.714	0.827
00:00-08:00	0.772	0.696	0.794	0.771	0.793	0.909	0.834
08:00-16:00	0.772	0.696	0.794	0.771	0.793	0.909	0.834
16:00-00:00	0.751	0.658	0.817	0.858	0.804	0.917	0.919
Standard ^a (avg. 1 hr)	9						
Standard ^a (avg. 8 hrs)	30						

Analytical Method : Non-Dispersive Infrared (NDIR) Method.
Source : Notification of the National Environment Board No.10, B.E.2538 (1995), dated April 17, B.E.2538 (1995).



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Report No. : 2022-5003734-3 / 002-2 (Page 5 of 9) Issued date : November 9, 2022

CLIENT : AIRPORTS OF THAILAND PUBLIC COMPANY LIMITED

CONTACT ADDRESS

Analysis Report

SAMPLE DESIGNATED AS : Ambient Air Quality
SAMPLING LOCATION : บริเวณลานจอดรถหน้าอาคารผู้โดยสาร SAMPLING BY :
LABORATORY NAME : SGS (Thailand) Limited

SAMPLE DESIGNATED AS : Ambient Air Quality
SAMPLING LOCATION : บริเวณลานจอดรถหน้าอาคารผู้โดยสาร SAMPLING BY :
LABORATORY NAME : SGS (Thailand) Limited

Time	October 13, 2022	October 14, 2022	October 15, 2022	October 16, 2022	October 17, 2022	October 18, 2022	October 19, 2022
00:00-01:00	0.001	0.005	0.002	0.012	0.003	0.006	0.018
01:00-02:00	0.005	0.011	0.001	0.015	0.013	0.014	0.013
02:00-03:00	0.005	0.008	0.002	0.010	0.013	0.011	0.005
03:00-04:00	0.010	0.008	0.010	0.009	0.004	0.013	0.004
04:00-05:00	0.009	0.010	0.009	0.007	0.009	0.005	0.002
05:00-06:00	0.003	0.004	0.012	0.006	0.007	0.008	0.007
06:00-07:00	0.003	0.008	0.013	0.018	0.005	0.011	0.002
07:00-08:00	0.005	0.004	0.013	0.019	0.007	0.006	0.003
08:00-09:00	0.010	0.007	0.010	0.027	0.003	0.006	0.006
09:00-10:00	0.001	0.010	0.022	0.013	0.004	0.004	0.004
10:00-11:00	0.008	0.004	0.002	0.010	0.001	0.014	0.001
11:00-12:00	0.011	0.010	0.003	0.004	0.008	0.011	0.008
12:00-13:00	0.007	0.009	0.001	0.011	0.009	0.006	0.005
13:00-14:00	0.006	0.002	0.008	0.012	0.010	0.006	0.005
14:00-15:00	0.009	0.008	0.004	0.003	0.007	0.002	0.004
15:00-16:00	0.012	0.012	0.008	0.013	0.003	0.010	0.002
16:00-17:00	0.008	0.006	0.003	0.008	0.010	0.011	0.006
17:00-18:00	0.008	0.008	0.002	0.003	0.009	0.010	0.006
18:00-19:00	0.012	0.008	0.005	0.009	0.012	0.011	0.003
19:00-20:00	0.007	0.009	0.010	0.012	0.002	0.008	0.008
20:00-21:00	0.002	0.005	0.008	0.007	0.012	0.003	0.001
21:00-22:00	0.011	0.004	0.011	0.004	0.004	0.014	0.007
22:00-23:00	0.001	0.002	0.008	0.010	0.014	0.007	0.007
23:00-00:00	0.011	0.011	0.005	0.001	0.004	0.004	0.002
1 hr-Minimum	0.001	0.002	0.001	0.001	0.001	0.002	0.001
1 hr-Maximum	0.012	0.012	0.013	0.027	0.014	0.014	0.018
Standard ^a (avg. 1 hr)	>0.17						

Analytical Method : Chemiluminescence Method.
Source : Notification of the National Environment Board No.33, B.E.2552 (2009), dated June 17, B.E.2552 (2009).



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Report No. : 2022-5003734-3 / 002-2 (Page 6 of 9)

Issued date : November 9, 2022

CLIENT : AIRPORTS OF THAILAND PUBLIC COMPANY LIMITED

CONTACT ADDRESS

Analysis Report

SAMPLE DESIGNATED AS : Ambient Air Quality
SAMPLING LOCATION : กรุงเทพมหานคร
LABORATORY NAME : SGS (Thailand) Limited

SAMPLE DESIGNATED AS : Ambient Air Quality
SAMPLING LOCATION : กรุงเทพมหานคร
LABORATORY NAME : SGS (Thailand) Limited

SAMPLING DATE : October 13-19, 2022

SAMPLING BY

Parameter	Analytical Value (avg-24 hr, µg/m³)								Surveillant Value* (µg/m³)	Standard** (µg/m³)
	October 13, 2022	October 14, 2022	October 15, 2022	October 16, 2022	October 17, 2022	October 18, 2022	October 19, 2022	October 19, 2022		
VOCs										
1. Vinyl Chloride	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	20	-	-
2. 1,3-Butadiene (Butadiene)	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	5.3	-	-
3. Acetaldehyde	5.05	6.96	8.33	10.19	3.95	3.68	6.35	860	-	-
4. Bromomethane	0.31	0.78	0.47	1.55	<0.19	<0.19	<0.16	190	-	-
5. Acrolein	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	0.55	-	-
6. Carbonylsulfide	0.70	0.50	0.62	2.37	0.37	0.76	0.25	-	100	-
7. Dichloromethane	1.21	1.15	0.82	2.78	0.56	2.36	1.67	210	-	-
8. Chloroform	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	57	-	-
9. Carbon Tetrachloride	<0.31	<0.31	<0.31	<0.31	<0.31	<0.31	<0.31	150	-	-
10. Benzene	0.77	0.26	0.64	0.89	0.64	0.77	7.6	7.6	-	-
11. 1,2-dichloroethane (EDC)	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	48	-	-
12. Trichloroethylene	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	130	-	-
13. 1,2-dichloropropane	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	82	-	-
14. 1,4-Dioxane	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	860	-	-
15. Tetrachloroethylene	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	400	-	-
16. 1,2-dibromomethane	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	370	-	-
17. 1,1,2,2-tetrachloroethane	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	83	-	-
18. 1,4-dichlorobenzene	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	1,100	-	-
19. Benzyl Chloride	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	12	-	-
20. Acrylonitrile	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	10	-	-

Remark: Sampling and analytical technique based on EPA TO-15 by Canister and GC-MS.

Remark: Sampling and analytical technique based on EPA TO-15 by Canister and GC-MS.

Sources: Notification of Pollution Control Department, subjected The surveillance values of volatile organic compounds (VOCs) in ambient air for 24 hours period, dated December 18, B.E. 2551 (2008), published in the Royal Government Gazette Vol. 126, Special Part 130, dated January 27, B.E. 2552 (2009).

- Notification of the National Environment Board, subjected The standard values of Carbonylsulfide in ambient air, dated August 21, B.E. 2560 (2017), published in the Royal Government Gazette Vol. 134, Special Part 239E, dated September 20, B.E. 2560 (2017)

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Report No. : 2022-5003734-3 / 002-2 (Page 7 of 9)

Issued date : November 9, 2022

CLIENT : AIRPORTS OF THAILAND PUBLIC COMPANY LIMITED

CONTACT ADDRESS

Analysis Report

SAMPLE DESIGNATED AS : Ambient Air Quality
SAMPLING LOCATION : กรุงเทพมหานคร
LABORATORY NAME : SGS (Thailand) Limited

SAMPLING DATE : October 13-19, 2022

SAMPLING BY

TIME	October 13, 2022		October 14, 2022		October 15, 2022		October 16, 2022		October 17, 2022		October 18, 2022		October 19, 2022	
	WS (m/s)	WD	WS (m/s)	WD	WS (m/s)	WD	WS (m/s)	WD	WS (m/s)	WD	WS (m/s)	WD	WS (m/s)	WD
06:00-01:00	-	CALM	NNE	0.9	-	CALM	-	CALM	-	CALM	-	CALM	-	CALM
01:00-02:00	-	CALM	NNE	0.9	-	CALM	-	CALM	-	CALM	-	CALM	-	CALM
02:00-03:00	N	0.9	-	-	-	-	-	-	-	-	-	-	-	-
03:00-04:00	-	CALM	NE	0.9	-	CALM	-	CALM	-	CALM	-	CALM	-	CALM
04:00-05:00	-	CALM	NE	0.9	-	CALM	-	CALM	-	CALM	-	CALM	-	CALM
05:00-06:00	NNE	0.9	-	-	-	-	-	-	-	-	-	-	-	-
06:00-07:00	-	CALM	NE	0.9	-	CALM	-	CALM	-	CALM	-	CALM	-	CALM
07:00-08:00	-	CALM	-	-	-	-	-	-	-	-	-	-	-	-
08:00-09:00	-	CALM	-	-	-	-	-	-	-	-	-	-	-	-
09:00-10:00	N	0.9	NE	0.9	NE	1.3	ESE	0.9	S	0.9	-	CALM	SSW	0.9
10:00-11:00	-	CALM	-	-	-	-	-	-	-	-	-	-	-	-
11:00-12:00	N	0.9	-	-	-	-	-	-	-	-	-	-	-	-
12:00-13:00	N	0.9	NE	0.9	NE	0.9	N	0.9	-	-	-	-	-	-
13:00-14:00	N	0.9	NE	0.9	-	-	-	-	-	-	-	-	-	-
14:00-15:00	N	0.9	NE	0.9	-	-	-	-	-	-	-	-	-	-
15:00-16:00	-	CALM	-	-	-	-	-	-	-	-	-	-	-	-
16:00-17:00	-	CALM	-	-	-	-	-	-	-	-	-	-	-	-
17:00-18:00	-	CALM	-	-	-	-	-	-	-	-	-	-	-	-
18:00-19:00	N	0.9	-	-	-	-	-	-	-	-	-	-	-	-
19:00-20:00	-	CALM	-	-	-	-	-	-	-	-	-	-	-	-
20:00-21:00	-	CALM	-	-	-	-	-	-	-	-	-	-	-	-
21:00-22:00	-	CALM	-	-	-	-	-	-	-	-	-	-	-	-
22:00-23:00	-	CALM	-	-	-	-	-	-	-	-	-	-	-	-
23:00-00:00	-	CALM	-	-	-	-	-	-	-	-	-	-	-	-

Measurement Method : - Wind speed and direction recording meter

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Report No.

: 2022-5003734-3 / 002-2 (Page 8 of 9)

Issued date : November 9, 2022

CLIENT
CONTACT
ADDRESS

: AIRPORTS OF THAILAND PUBLIC COMPANY LIMITED

Analysis Report

SAMPLE DESIGNATED AS : Ambient Air Quality
SAMPLING LOCATION : บริเวณลานจอดรถหน้าอาคารผู้โดยสาร
LABORATORY NAME : SGS (Thailand) Limited

SAMPLING DATE : October 13-19, 2022

SAMPLING BY

: SGS (Thailand) Limited

Wind Speed		Percent of Wind Speed (%)				
Wind Direction		0.5-1.0 m/s	1.1-2.0 m/s	2.1-3.0 m/s	3.1-4.0 m/s	>4.0 m/s
N		6.55	0.60	-	-	-
NNE		3.57	-	-	-	-
NE		11.31	1.79	-	-	-
ENE		1.19	-	-	-	-
E		-	-	-	-	-
ESE		0.60	0.60	-	-	-
SE		0.60	-	-	-	-
SSE		0.60	-	-	-	-
S		1.19	0.60	-	-	-
SSW		0.60	-	-	-	-
SW		-	-	-	-	-
WSW		-	-	-	-	-
W		-	-	-	-	-
WNW		-	-	-	-	-
NW		-	-	-	-	-
CALM		-	-	-	-	-
		70.24				

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Report No.

: 2022-5003734-3 / 002-2 (Page 9 of 9)

Issued date : November 9, 2022

CLIENT
CONTACT
ADDRESS

: AIRPORTS OF THAILAND PUBLIC COMPANY LIMITED

Analysis Report

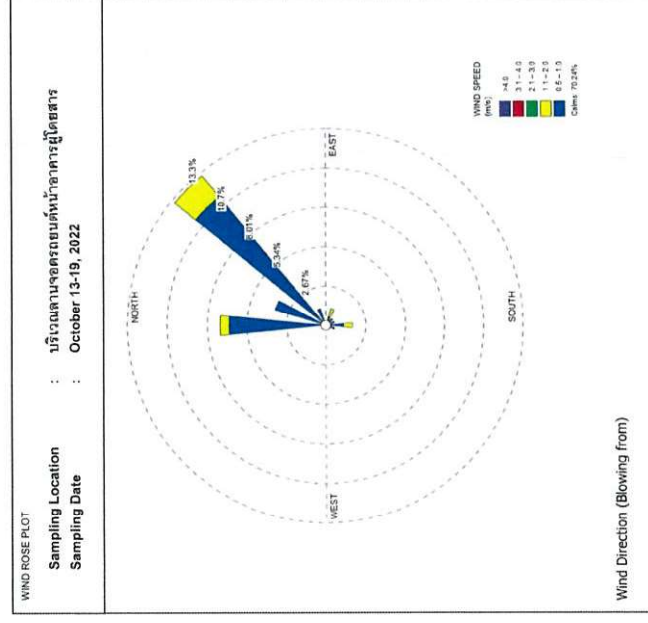
SAMPLE DESIGNATED AS : Ambient Air Quality

SAMPLING DATE : October 13-19, 2022

SAMPLING LOCATION : บริเวณลานจอดรถหน้าอาคารผู้โดยสาร

SAMPLING BY

LABORATORY NAME : SGS (Thailand) Limited





Report No. : 2022-5003734-3 / 002-3 (Page 1 of 5)

Issued date : November 9, 2022

CLIENT
CONTACT
ADDRESS

AIRPORTS OF THAILAND PUBLIC COMPANY LIMITED

Analysis Report

SAMPLE DESIGNATED AS : Ambient Air Quality
SAMPLING LOCATION : บริเวณบ้านใหม่ขาว
LABORATORY NAME : SGS (Thailand) Limited

SAMPLING DATE : October 13-19, 2022
SAMPLING BY : [REDACTED]

Station	Date	TSP (mg/m ³)
บริเวณบ้านใหม่ขาว	October 13, 2022	0.041
	October 14, 2022	0.044
	October 15, 2022	0.046
	October 16, 2022	0.055
	October 17, 2022	0.057
	October 18, 2022	0.044
	October 19, 2022	0.041
Standard ^{1/}		0.33

Remark : - Sampling and analytical technique for TSP based on High Volume Air Sampler / Gravimetric Method.
Source : 1/ Notification of the National Environment Board No.24, B.E.2547 (2004), dated August 9, B.E.2547 (2004).



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Report No. : 2022-5003734-3 / 002-3 (Page 2 of 5)

Issued date : November 9, 2022

CLIENT
CONTACT
ADDRESS

AIRPORTS OF THAILAND PUBLIC COMPANY LIMITED

Analysis Report

SAMPLE DESIGNATED AS : Ambient Air Quality
SAMPLING LOCATION : บริเวณบ้านใหม่ขาว
LABORATORY NAME : SGS (Thailand) Limited

SAMPLING DATE : October 13-19, 2022
SAMPLING BY : [REDACTED]

Station	Date	PM-10 (mg/m ³)
บริเวณบ้านใหม่ขาว	October 13, 2022	0.018
	October 14, 2022	0.017
	October 15, 2022	0.015
	October 16, 2022	0.019
	October 17, 2022	0.016
	October 18, 2022	0.018
Standard ^{1/}		0.12

Remark : - Sampling and analytical technique for PM10 based on Size Selective High Volume Air Sampler / Gravimetric Method.
Source : 1/ Notification of the National Environment Board No.24, B.E.2547 (2004), dated August 9, B.E.2547 (2004).



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Report No. : 2022-5003734-3 / 002-3 (Page 3 of 5) Issued date : November 9, 2022

CLIENT : AIRPORTS OF THAILAND PUBLIC COMPANY LIMITED

CONTACT ADDRESS

Analysis Report

SAMPLE DESIGNATED AS : Ambient Air Quality

SAMPLING LOCATION : กรุงเทพมหานคร

LABORATORY NAME : SGS (Thailand) Limited

SAMPLING DATE : October 13-19, 2022

SAMPLING BY

TIME	October 13, 2022		October 14, 2022		October 15, 2022		October 16, 2022		October 17, 2022		October 18, 2022		October 19, 2022	
	WS (m/s)	WD	WS (m/s)	WD	WS (m/s)	WD	WS (m/s)	WD	WS (m/s)	WD	WS (m/s)	WD	WS (m/s)	WD
00:00-01:00	-	CALM	N 1.8	N 1.8	N 1.8	N 3.1	N 3.6	N 1.3	N 0.9	N 0.9	N 1.3	N 2.7	N 0.9	N 0.9
01:00-02:00	-	CALM	N 1.3	N 2.7	N 3.1	N 3.1	N 2.7	N 2.7	N 1.8	N 0.9	N 1.8	N 2.7	N 0.9	N 0.9
02:00-03:00	-	CALM	N 0.9	N 2.7	N 2.7	N 1.8	N 3.1	N 1.8	N 1.3	N 1.3	N 1.8	N 2.7	N 0.9	N 0.9
03:00-04:00	-	CALM	N 2.2	N 2.7	N 2.7	N 0.9	N 2.2	N 2.2	N 1.3	N 1.3	N 1.8	N 2.7	N 0.9	N 0.9
04:00-05:00	-	CALM	N 2.2	N 2.2	N 2.2	N 0.9	N 2.2	N 2.2	N 1.3	N 1.3	N 1.8	N 2.7	N 0.9	N 0.9
05:00-06:00	-	CALM	N 1.8	N 2.2	N 2.2	N 2.2	N 2.2	N 2.2	N 1.3	N 1.3	N 1.8	N 2.7	N 0.9	N 0.9
06:00-07:00	-	CALM	N 2.2	N 2.2	N 2.2	N 2.2	N 2.2	N 2.2	N 1.8	N 1.8	N 2.7	N 2.7	N 1.3	N 1.3
07:00-08:00	-	CALM	N 0.9	N 2.2	N 2.2	N 1.8	N 2.2	N 2.2	N 0.9	N 0.9	N 1.8	N 2.7	N 1.3	N 1.3
08:00-09:00	-	CALM	N 2.2	N 2.2	N 2.2	N 0.9	N 2.2	N 2.2	N 1.3	N 1.3	N 1.8	N 2.7	N 1.3	N 1.3
09:00-10:00	-	CALM	N 1.8	N 1.3	N 1.3	N 0.9	N 1.8	N 1.8	N 1.3	N 1.3	N 1.8	N 2.7	N 1.3	N 1.3
10:00-11:00	N 0.9	N 2.2	N 2.2	N 1.3	N 1.3	N 1.3	N 2.2	N 2.2	N 1.8	N 1.8	N 2.2	N 2.2	N 2.7	N 2.7
11:00-12:00	N 2.2	N 2.7	N 2.7	N 1.8	N 1.8	N 3.1	N 2.2	N 2.2	N 2.2	N 2.2	N 2.2	N 2.2	N 2.7	N 2.7
12:00-13:00	N 2.2	N 2.7	N 2.7	N 2.2	N 2.2	N 4.0	N 3.1	N 3.1	N 1.3	N 1.3	N 2.2	N 2.2	N 2.7	N 2.7
13:00-14:00	N 2.2	N 2.7	N 2.7	N 1.8	N 1.8	N 4.0	N 2.7	N 2.7	N 1.3	N 1.3	N 2.2	N 2.2	N 2.7	N 2.7
14:00-15:00	N 2.2	N 2.7	N 2.7	N 1.8	N 1.8	N 3.6	N 3.6	N 1.3	N 0.9	N 0.9	N 2.2	N 2.2	N 2.7	N 2.7
15:00-16:00	N 2.2	N 2.7	N 2.7	N 2.2	N 2.2	N 3.1	N 3.1	N 2.7	N 0.9	N 0.9	N 2.2	N 2.2	N 2.7	N 2.7
16:00-17:00	N 1.3	N 3.1	N 3.1	N 1.8	N 1.8	N 2.7	N 3.6	N 3.6	N 0.9	N 0.9	N 2.2	N 2.2	N 2.7	N 2.7
17:00-18:00	N 1.3	N 2.7	N 3.1	N 2.2	N 2.2	N 3.1	N 2.2	N 2.2	N 2.2	N 2.2	N 2.2	N 2.2	N 2.7	N 2.7
18:00-19:00	-	CALM	N 2.2	N 2.2	N 2.2	N 1.8	N 1.8	N 1.8	N 1.8	N 1.8	N 2.2	N 2.2	N 2.7	N 2.7
19:00-20:00	N 0.9	N 2.2	N 2.2	N 1.3	N 1.3	N 2.2	N 2.2	N 1.3	N 1.3	N 1.3	N 2.2	N 2.2	N 2.7	N 2.7
20:00-21:00	-	CALM	N 1.8	N 1.8	N 1.8	N 3.1	N 3.1	N 1.3	N 1.3	N 1.3	N 2.2	N 2.2	N 2.7	N 2.7
21:00-22:00	-	CALM	N 1.8	N 2.7	N 2.7	N 2.7	N 2.7	N 1.3	N 1.3	N 1.3	N 2.2	N 2.2	N 2.7	N 2.7
22:00-23:00	-	CALM	N 0.9	N 2.2	N 2.2	N 2.2	N 2.2	N 0.9	N 0.9	N 0.9	N 2.2	N 2.2	N 2.7	N 2.7
23:00-00:00	-	CALM	N 0.9	N 4.0	N 4.0	N 3.6	N 3.6	N 2.2	N 2.2	N 2.2	N 2.2	N 2.2	N 2.7	N 2.7

Measurement Method : - Wind speed and direction recording meter

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Report No. : 2022-5003734-3 / 002-3 (Page 4 of 5) Issued date : November 9, 2022

CLIENT : AIRPORTS OF THAILAND PUBLIC COMPANY LIMITED

CONTACT ADDRESS

Analysis Report

SAMPLE DESIGNATED AS : Ambient Air Quality

SAMPLING LOCATION : กรุงเทพมหานคร

LABORATORY NAME : SGS (Thailand) Limited

SAMPLING DATE : October 13-19, 2022

SAMPLING BY

Wind Direction	Percent of Wind Speed (%)				
	0.5-1.0 m/s	1.1-2.0 m/s	2.1-3.0 m/s	3.1-4.0 m/s	>4.0 m/s
N	14.29	25.00	32.14	10.71	-
NNE	-	-	-	-	-
NE	-	-	-	-	-
ENE	-	-	-	-	-
E	-	-	-	-	-
ESE	0.60	-	-	-	-
SE	-	0.60	-	-	-
SSE	-	0.60	0.60	-	-
S	0.60	-	-	-	-
SSW	-	-	-	-	-
SW	-	-	-	-	-
WSW	-	-	-	-	-
W	-	-	-	-	-
WNW	-	-	-	-	-
NW	-	-	-	-	-
NNW	-	-	-	-	-
CALM	-	-	-	-	-



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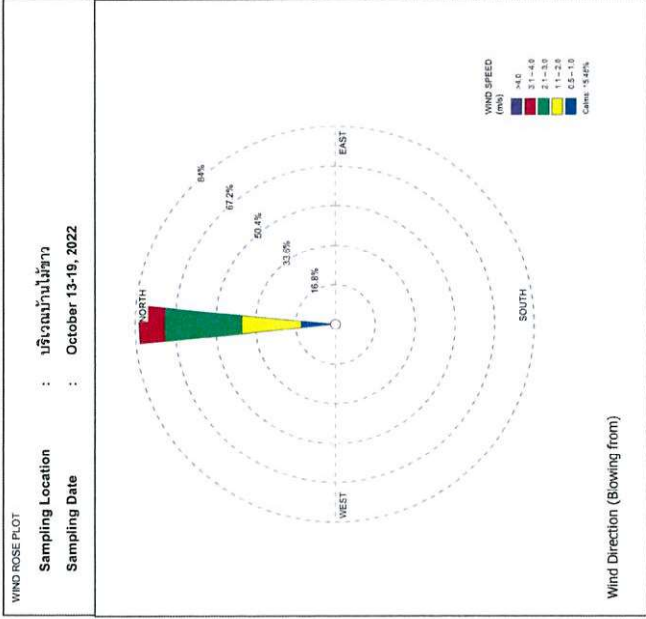
Report No. : 2022-5003734-3 / 002-3 (Page 5 of 5) Issued date : November 9, 2022

CLIENT : AIRPORTS OF THAILAND PUBLIC COMPANY LIMITED

CONTACT ADDRESS

Analysis Report

SAMPLE DESIGNATED AS : Ambient Air Quality
SAMPLING LOCATION : บริเวณบ้านหมากปรก
LABORATORY NAME : SGS (Thailand) Limited
SAMPLING DATE : October 13-19, 2022
SAMPLING BY



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Report No. : 2022-5003734-3 / 002-4 (Page 1 of 5) Issued date : November 9, 2022

CLIENT : AIRPORTS OF THAILAND PUBLIC COMPANY LIMITED

CONTACT ADDRESS

Analysis Report

SAMPLE DESIGNATED AS : Ambient Air Quality
SAMPLING LOCATION : บริเวณบ้านหมากปรก
LABORATORY NAME : SGS (Thailand) Limited
SAMPLING DATE : October 13-19, 2022
SAMPLING BY

Station	Date	TSP (mg/m ³)
บริเวณบ้านหมากปรก	October 13, 2022	0.048
	October 14, 2022	0.047
	October 15, 2022	0.044
	October 16, 2022	0.059
	October 17, 2022	0.046
Standard ^{1/}	October 18, 2022	0.065
	October 19, 2022	0.053
		0.33

Remark : Sampling and analytical technique for TSP based on High Volume Air Sampler / Gravimetric Method.
Source : Notification of the National Environment Board No.24, B.E.2547 (2004), dated August 9, B.E.2547 (2004).



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Report No. : 2022-5003734-3 / 002-4 (Page 2 of 5) Issued date : November 9, 2022

CLIENT : AIRPORTS OF THAILAND PUBLIC COMPANY LIMITED
CONTACT ADDRESS : [REDACTED]

Analysis Report

SAMPLE DESIGNATED AS : Ambient Air Quality
SAMPLING LOCATION : บริเวณบ้านหมากปรก
LABORATORY NAME : SGS (Thailand) Limited
SAMPLING DATE : October 13-19, 2022
SAMPLING BY : [REDACTED]

Station	Date	PM-10 (mg/m ³)
บริเวณบ้านหมากปรก	October 13, 2022	0.016
	October 14, 2022	0.020
	October 15, 2022	0.019
	October 16, 2022	0.022
	October 17, 2022	0.015
	October 18, 2022	0.015
Standard ^{1/}	October 19, 2022	0.017
		0.12

Remark : Sampling and analytical technique for PM10 based on Size Selective High Volume Air Sampler / Gravimetric Method.
Source : Notification of the National Environment Board No.24, B.E.2547 (2004), dated August 9, B.E.2547 (2004).

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Report No. : 2022-5003734-3 / 002-4 (Page 3 of 5) Issued date : November 9, 2022

CLIENT : AIRPORTS OF THAILAND PUBLIC COMPANY LIMITED
CONTACT ADDRESS : [REDACTED]

Analysis Report

SAMPLE DESIGNATED AS : Ambient Air Quality
SAMPLING LOCATION : บริเวณบ้านหมากปรก
LABORATORY NAME : SGS (Thailand) Limited
SAMPLING DATE : October 13-19, 2022
SAMPLING BY : [REDACTED]

TIME	October 13, 2022		October 14, 2022		October 15, 2022		October 16, 2022		October 17, 2022		October 18, 2022		October 19, 2022	
	WS (m/s)	WD	WS (m/s)	WD	WS (m/s)	WD	WS (m/s)	WD	WS (m/s)	WD	WS (m/s)	WD	WS (m/s)	WD
00:00-01:00	-	CALM	N	1.3	-	CALM	N	3.1	ENE	1.3	ENE	0.9	-	CALM
01:00-02:00	-	CALM	N	1.8	NE	1.3	N	1.3	-	CALM	ENE	1.8	-	CALM
02:00-03:00	-	CALM	N	0.9	NE	1.3	N	0.9	NE	1.3	ENE	0.9	-	CALM
03:00-04:00	-	CALM	N	1.8	NE	1.3	N	1.3	NE	1.8	ENE	0.9	-	CALM
04:00-05:00	-	CALM	N	1.3	NE	1.3	N	2.2	-	CALM	-	CALM	-	CALM
05:00-06:00	-	CALM	-	CALM	NE	1.3	N	2.7	NE	0.9	-	CALM	-	CALM
06:00-07:00	-	CALM	N	0.9	-	CALM	N	0.9	NE	1.3	-	CALM	NNE	0.9
07:00-08:00	-	CALM	N	0.9	ENE	0.9	-	CALM	-	CALM	-	CALM	NNE	0.9
08:00-09:00	-	CALM	-	CALM	ENE	1.8	NNE	0.9	-	CALM	ENE	1.8	NNE	0.9
09:00-10:00	-	CALM	N	1.3	NE	0.9	-	CALM	NE	0.9	-	CALM	NE	0.9
10:00-11:00	NNE	0.9	E	1.3	NNE	1.3	-	CALM	NE	1.8	-	CALM	-	CALM
11:00-12:00	N	0.9	ENE	2.2	ENE	1.3	ENE	1.8	NE	1.8	-	CALM	ENE	0.9
12:00-13:00	N	1.8	ENE	2.2	ENE	1.3	ENE	3.1	NE	2.2	-	CALM	ENE	2.2
13:00-14:00	N	1.8	ENE	2.7	ENE	1.3	ENE	3.6	NE	1.8	NNE	0.9	-	CALM
14:00-15:00	N	2.2	NE	2.7	ENE	1.3	ENE	2.7	NE	0.9	-	CALM	-	CALM
15:00-16:00	N	2.2	NE	2.7	ENE	2.2	ENE	2.2	NE	2.2	-	CALM	-	CALM
16:00-17:00	N	1.8	NE	2.7	ENE	1.8	ENE	0.9	NE	2.7	ENE	0.9	NE	0.9
17:00-18:00	N	0.9	NE	2.2	ENE	1.3	-	CALM	NE	1.8	-	CALM	-	CALM
18:00-19:00	NNE	0.9	NE	1.8	ENE	1.3	-	CALM	NE	0.9	-	CALM	NE	1.3
19:00-20:00	N	0.9	NE	0.9	-	CALM	-	CALM	-	CALM	-	CALM	NE	0.9
20:00-21:00	-	CALM	-	CALM	ENE	0.9	-	CALM	-	CALM	-	CALM	-	CALM
21:00-22:00	-	CALM	NE	0.9	ENE	1.8	-	CALM	ENE	0.9	-	CALM	-	CALM
22:00-23:00	-	CALM	-	CALM	N	1.3	-	CALM	-	CALM	-	CALM	-	CALM
23:00-00:00	-	CALM	NE	0.9	N	3.1	-	CALM	ENE	1.3	-	CALM	E	0.9

Measurement Method : - Wind speed and direction recording meter

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Report No. : 2022-5003734-3 / 002-4 (Page 4 of 5) Issued date : November 9, 2022

CLIENT : AIRPORTS OF THAILAND PUBLIC COMPANY LIMITED

CONTACT ADDRESS

Analysis Report

SAMPLE DESIGNATED AS : Ambient Air Quality

SAMPLING DATE : October 13-19, 2022

SAMPLING LOCATION : บริเวณสนามบินดอนเมือง

SAMPLING BY

LABORATORY NAME : SGS (Thailand) Limited

Wind Speed		Percent of Wind Speed (%)				
Wind Direction		0.5-1.0 m/s	1.1-2.0 m/s	2.1-3.0 m/s	3.1-4.0 m/s	>4.0 m/s
N		4.76	6.55	2.38	1.19	-
NNE		4.17	0.60	-	-	-
NE		6.55	8.33	4.17	-	-
ENE		5.36	8.33	4.17	1.19	-
E		0.60	0.60	-	-	-
ESE		-	-	-	-	-
SE		-	-	-	-	-
SSE		-	-	-	-	-
S		-	-	-	-	-
SSW		-	-	-	-	-
SW		-	-	-	-	-
WSW		-	-	-	-	-
W		-	-	-	-	-
WNW		-	-	-	-	-
NW		-	-	-	-	-
NNW		-	-	-	-	-
CALM		-	-	-	-	-
		41.07				



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Report No. : 2022-5003734-3 / 002-4 (Page 5 of 5) Issued date : November 9, 2022

CLIENT : AIRPORTS OF THAILAND PUBLIC COMPANY LIMITED

CONTACT ADDRESS

Analysis Report

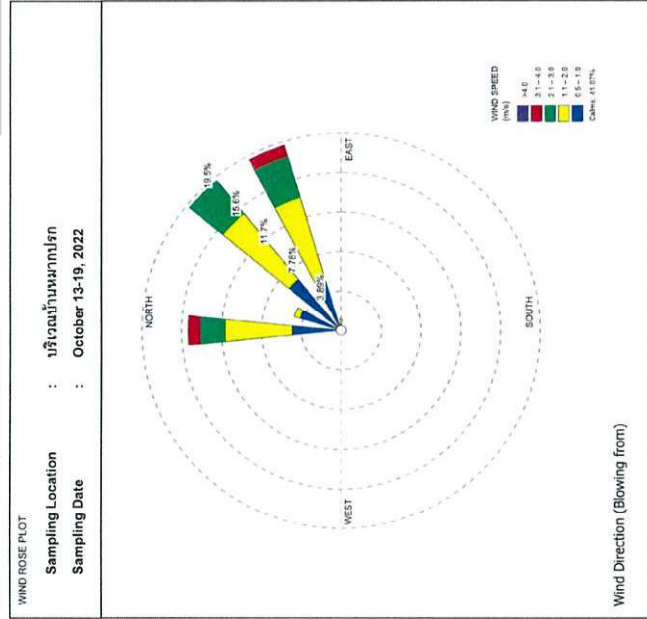
SAMPLE DESIGNATED AS : Ambient Air Quality

SAMPLING DATE : October 13-19, 2022

SAMPLING LOCATION : บริเวณสนามบินดอนเมือง

SAMPLING BY

LABORATORY NAME : SGS (Thailand) Limited



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Report No. : 2022-5003734-3 / 002-5 (Page 1 of 5)

Issued date : November 9, 2022

CLIENT : AIRPORTS OF THAILAND PUBLIC COMPANY LIMITED
CONTACT ADDRESS : [REDACTED]

Analysis Report

SAMPLE DESIGNATED AS : Ambient Air Quality
SAMPLING LOCATION : บริเวณพื้นที่ก่อสร้างทางวิ่งขนานสาย P
LABORATORY NAME : SGS (Thailand) Limited

SAMPLING DATE : October 13-19, 2022

SAMPLING BY : [REDACTED]

Station	Date	TSP (mg/m ³)
บริเวณพื้นที่ก่อสร้างทางวิ่งขนานสาย P	October 13, 2022	0.050
	October 14, 2022	0.067
	October 15, 2022	0.055
	October 16, 2022	0.058
	October 17, 2022	0.057
	October 18, 2022	0.049
	October 19, 2022	0.055
Standard ^{1/}		0.33

Remark : Sampling and analytical technique for TSP based on High Volume Air Sampler / Gravimetric Method.
Source : Notification of the National Environment Board No.24, B.E.2547 (2004), dated August 9, B.E.2547 (2004).



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Report No. : 2022-5003734-3 / 002-5 (Page 2 of 5)

Issued date : November 9, 2022

CLIENT : AIRPORTS OF THAILAND PUBLIC COMPANY LIMITED
CONTACT ADDRESS : [REDACTED]

Analysis Report

SAMPLE DESIGNATED AS : Ambient Air Quality
SAMPLING LOCATION : บริเวณพื้นที่ก่อสร้างทางวิ่งขนานสาย P
LABORATORY NAME : SGS (Thailand) Limited

SAMPLING DATE : October 13-19, 2022

SAMPLING BY : [REDACTED]

Station	Date	PM-10 (mg/m ³)
บริเวณพื้นที่ก่อสร้างทางวิ่งขนานสาย P	October 13, 2022	0.026
	October 14, 2022	0.019
	October 15, 2022	0.017
	October 16, 2022	0.019
	October 17, 2022	0.019
	October 18, 2022	0.016
	October 19, 2022	0.022
Standard ^{1/}		0.12

Remark : Sampling and analytical technique for PM10 based on Size Selective High Volume Air Sampler / Gravimetric Method.
Source : Notification of the National Environment Board No.24, B.E.2547 (2004), dated August 9, B.E.2547 (2004).



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Report No. : 2022-5003734-3 / 002-5 (Page 3 of 5) Issued date : November 9, 2022

CLIENT : AIRPORTS OF THAILAND PUBLIC COMPANY LIMITED

CONTACT ADDRESS

Analysis Report

SAMPLE DESIGNATED AS : Ambient Air Quality
SAMPLING LOCATION : บริเวณพื้นที่ก่อสร้างทางขึ้นสนามบินสาย P
LABORATORY NAME : SGS (Thailand) Limited

SAMPLING DATE : October 13-19, 2022

SAMPLING BY

TIME	October 13, 2022		October 14, 2022		October 15, 2022		October 16, 2022		October 17, 2022		October 18, 2022		October 19, 2022	
	WS (m/s)	WD	WS (m/s)	WD	WS (m/s)	WD	WS (m/s)	WD	WS (m/s)	WD	WS (m/s)	WD	WS (m/s)	WD
00.00-01.00	1.8	NNW	3.1	NW	2.2	WSW	4.5	SW	2.7	WSW	2.2	W	-	CALM
01.00-02.00	0.9	NNE	0.9	NW	3.1	WNW	3.1	W	4.9	WSW	2.2	WSW	2.2	-
02.00-03.00	0.9	NNW	2.7	W	3.1	SW	3.6	W	3.1	SW	2.2	SW	1.3	-
03.00-04.00	-	CALM	3.6	NNW	3.6	WNW	3.6	W	4.5	WSW	2.2	WSW	1.3	-
04.00-05.00	1.8	N	4.0	NW	1.8	W	6.7	SW	1.3	-	CALM	-	CALM	-
05.00-06.00	0.9	NNW	2.2	NNW	2.7	W	7.2	SW	1.8	-	CALM	NE	1.3	-
06.00-07.00	-	CALM	2.7	W	2.2	W	4.0	SW	1.3	-	CALM	NE	2.2	-
07.00-08.00	1.8	NNW	1.3	W	3.6	NNW	1.8	WSW	0.9	SW	0.9	E	1.8	-
08.00-09.00	0.9	NNW	3.6	NNW	2.7	ENE	0.9	S	0.9	WSW	0.9	WSW	0.9	-
09.00-10.00	0.9	NNW	2.7	NNW	4.0	ENE	1.3	SW	1.8	W	1.8	-	CALM	-
10.00-11.00	0.9	NNW	4.5	NNW	4.0	SW	1.8	SW	2.2	WNW	3.1	W	2.7	-
11.00-12.00	0.9	NNW	3.6	NNW	3.6	WSW	4.9	W	4.5	NNW	2.2	WNW	5.4	-
12.00-13.00	3.1	NNW	4.0	W	3.1	WSW	4.9	WSW	2.2	NNW	3.6	WNW	2.7	-
13.00-14.00	4.0	NNW	4.9	W	3.1	W	5.8	WSW	1.8	WNW	1.8	WNW	1.3	-
14.00-15.00	4.0	NNW	4.9	W	4.5	WSW	4.9	W	4.9	WNW	1.3	-	CALM	-
15.00-16.00	3.6	NNW	5.4	W	3.6	SW	2.7	W	5.4	W	1.8	WSW	1.8	-
16.00-17.00	2.7	NNW	4.9	W	4.9	WSW	2.2	SW	2.7	-	CALM	WNW	1.3	-
17.00-18.00	1.3	NNW	4.0	NNW	4.5	SW	1.8	SW	1.8	-	CALM	WNW	1.8	-
18.00-19.00	0.9	NNW	4.0	NNW	2.7	SW	2.2	WSW	1.3	-	CALM	-	CALM	-
19.00-20.00	0.9	NNW	3.1	W	2.2	WSW	2.7	-	CALM	-	CALM	ENE	1.8	-
20.00-21.00	-	CALM	3.6	NNW	4.9	WSW	3.1	SW	1.3	-	CALM	SE	0.9	-
21.00-22.00	-	CALM	1.8	W	4.0	WSW	2.7	-	CALM	-	CALM	-	CALM	-
22.00-23.00	-	CALM	2.7	WSW	4.5	WSW	2.7	W	3.1	-	CALM	-	CALM	-
23.00-00.00	-	CALM	2.7	WSW	4.5	WSW	2.7	W	3.1	-	CALM	-	CALM	-

Measurement Method : - Wind speed and direction recording meter

TY/MM/ST/IT



Report No. : 2022-5003734-3 / 002-5 (Page 4 of 5) Issued date : November 9, 2022

CLIENT : AIRPORTS OF THAILAND PUBLIC COMPANY LIMITED

CONTACT ADDRESS

Analysis Report

SAMPLE DESIGNATED AS : Ambient Air Quality
SAMPLING LOCATION : บริเวณพื้นที่ก่อสร้างทางขึ้นสนามบินสาย P
LABORATORY NAME : SGS (Thailand) Limited

SAMPLING DATE : October 13-19, 2022

SAMPLING BY

Wind Direction	Percent of Wind Speed (%)				
	0.5-1.0 m/s	1.1-2.0 m/s	2.1-3.0 m/s	3.1-4.0 m/s	>4.0 m/s
N	-	1.19	-	-	-
NNE	1.19	-	1.19	-	-
NE	1.19	1.79	0.60	-	-
ENE	0.60	0.60	-	-	-
E	-	0.60	-	-	-
ESE	-	0.60	-	-	-
SE	0.60	-	-	-	-
SSE	-	-	-	-	-
S	0.60	-	-	-	-
SSW	-	-	-	-	-
SW	0.60	5.36	3.57	-	-
WSW	2.38	2.38	4.76	1.19	2.38
W	-	2.38	2.38	5.36	5.95
WNW	-	4.17	2.38	5.95	2.98
NW	0.60	0.60	3.57	6.55	2.38
NNW	0.60	2.38	1.19	0.60	-
CALM	16.67				

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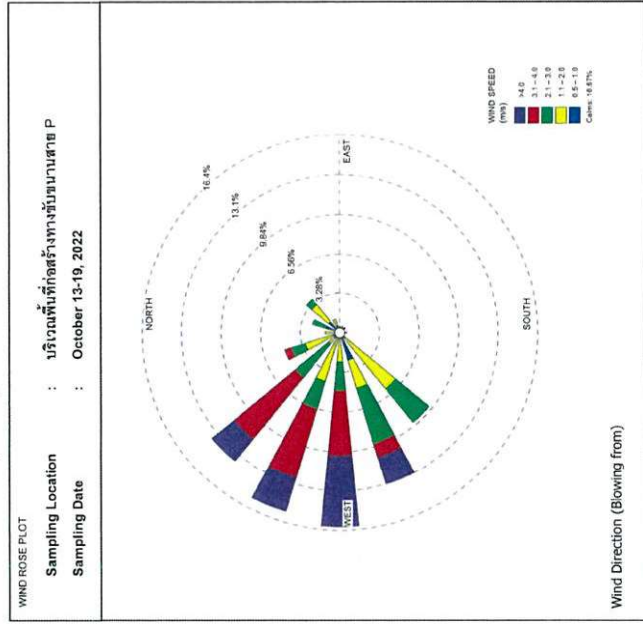
Report No. : 2022-5003734-3 / 002-5 (Page 5 of 5) Issued date : November 9, 2022

CLIENT
CONTACT
ADDRESS

: AIRPORTS OF THAILAND PUBLIC COMPANY LIMITED

Analysis Report

SAMPLE DESIGNATED AS : Ambient Air Quality **SAMPLING DATE** : October 13-19, 2022
SAMPLING LOCATION : บริเวณพื้นที่ก่อสร้างทางขึ้นสาย P **SAMPLING BY**
LABORATORY NAME : SGS (Thailand) Limited



SGS (THAILAND) LIMITED

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ผลการตรวจวัดระดับเสียง

Report No. : 2022-5003734-3 / 003-1 (Page 1 of 3)

Issued date : January 11, 2023

CLIENT : AIRPORTS OF THAILAND PUBLIC COMPANY LIMITED
CONTACT ADDRESS : 222 Moo 6 Tambon Maikhao, Talang District, Phuket 83110
Tel. 076-351-896 Fax. 076-327-478 E-mail: tiwa.h@airportthai.co.th

Analysis Report

SAMPLE DESIGNATED AS : Noise Level
MEASUREMENT LOCATION : เขต Airside บริเวณคลังสินค้า MEASUREMENT DATE : October 13-19, 2022
ของ บริษัท สกปร้าแอร์ จำกัด (บริเวณคลังสินค้าและตู้เย็นดี) MEASUREMENT BY :
CALIBRATION DATA : Model CR:515, Cirrus Research plc, Serial No. 80411
Calibration Value Reference: 94.0 dB(A), Pre Cal : 93.8 dB(A), Post Cal : 93.8 dB(A)
SOUND LEVEL METER NO. : Model CR:161B, Cirrus Research plc, Serial No. G080136

Time	Noise Level [dB(A)]										Standard*	
	October 13, 2022		October 14, 2022		October 15, 2022		October 16, 2022		October 17, 2022			
	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax		
00:00 - 01:00	63.7	67.8	43.1	70.9	94.3	54.2	65.2	87.9	50.4	67.6	89.9	55.6
01:00 - 02:00	50.2	67.5	43.2	57.2	63.8	53.0	53.2	74.6	49.2	67.4	89.4	57.8
02:00 - 03:00	45.5	62.9	43.1	54.7	65.8	53.0	50.5	59.4	49.1	62.5	69.8	56.0
03:00 - 04:00	52.6	66.1	42.5	53.9	62.7	52.5	51.0	58.1	49.7	61.0	68.3	57.1
04:00 - 05:00	49.8	69.1	43.0	56.6	68.8	53.1	57.9	73.1	49.7	62.7	71.1	58.1
05:00 - 06:00	51.4	64.7	43.5	62.2	69.6	57.2	55.9	72.3	49.5	59.3	71.2	54.0
06:00 - 07:00	66.5	84.6	51.9	63.4	85.9	58.2	64.4	83.3	54.6	65.0	85.5	53.4
07:00 - 08:00	68.4	87.9	51.6	65.8	89.9	53.3	67.4	85.2	53.7	66.6	85.7	55.2
08:00 - 09:00	69.3	89.7	47.0	71.7	90.8	57.2	71.1	90.6	54.6	70.8	88.8	56.1
09:00 - 10:00	71.2	89.1	46.1	71.6	89.8	53.8	73.6	92.3	55.6	74.0	89.4	54.9
10:00 - 11:00	71.1	90.5	53.3	69.6	89.6	54.8	73.1	92.7	54.3	72.8	93.7	58.0
11:00 - 12:00	73.0	91.4	54.5	71.6	88.9	56.1	73.0	92.7	55.7	73.5	91.0	56.5
12:00 - 13:00	72.7	90.6	54.8	71.2	90.4	52.3	75.0	91.6	55.9	76.5	94.4	57.4
13:00 - 14:00	73.8	91.1	55.0	71.0	86.8	54.2	71.5	89.3	53.1	74.6	89.9	60.5
14:00 - 15:00	68.3	90.6	51.2	69.9	88.5	53.6	66.8	86.1	50.9	75.4	92.6	57.5
15:00 - 16:00	67.0	90.4	54.5	63.3	83.1	50.2	65.5	87.7	51.0	66.9	90.1	54.1
16:00 - 17:00	70.6	89.4	51.5	67.6	86.8	50.3	70.5	89.8	54.6	69.7	87.9	56.2
17:00 - 18:00	70.6	88.3	54.5	70.0	86.3	53.7	72.5	90.7	55.1	71.0	91.2	53.4
18:00 - 19:00	72.3	91.9	57.3	70.0	88.7	52.4	70.8	89.2	56.2	68.4	89.9	52.2
19:00 - 20:00	71.9	91.2	57.3	66.2	90.5	51.1	71.4	91.7	54.3	70.7	89.6	53.6
20:00 - 21:00	72.6	88.4	53.8	70.5	88.1	53.5	74.6	91.4	57.6	71.1	88.1	53.7
21:00 - 22:00	73.2	90.3	57.0	68.0	86.9	51.3	72.7	93.3	59.3	72.1	90.4	53.6
22:00 - 23:00	70.9	94.9	52.9	68.1	91.7	52.0	77.1	97.6	61.9	69.6	91.1	53.9
23:00 - 00:00	68.6	86.1	53.4	52.2	74.2	48.5	72.8	95.7	57.4	72.5	90.4	51.6
Leq 24 hr	70.0	-	-	68.4	-	-	71.2	-	-	71.2	-	-
Ldn	73.0	-	-	72.0	-	-	76.3	-	-	74.9	-	-
Lmax	-	94.9	-	-	94.3	-	-	97.6	-	-	94.4	-
	-	-	-	-	-	-	-	-	-	-	-	115

Source : * The Notification of Environmental Board No.15, B.E. 2540 (1997)

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Report No. : 2022-5003734-3 / 003-1 (Page 2 of 3)

Issued date : January 11, 2023

CLIENT : AIRPORTS OF THAILAND PUBLIC COMPANY LIMITED
CONTACT ADDRESS : Khun Tiwa Hanprasankit
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Analysis Report

SAMPLE DESIGNATED AS : Noise Level
MEASUREMENT LOCATION : เขต Airside บริเวณคลังสินค้า MEASUREMENT DATE : October 13-19, 2022
ของ บริษัท สกปร้าแอร์ จำกัด (บริเวณคลังสินค้าและตู้เย็นดี) MEASUREMENT BY :
CALIBRATION DATA : Model CR:515, Cirrus Research plc, Serial No. 80411
Calibration Value Reference: 94.0 dB(A), Pre Cal : 93.8 dB(A), Post Cal : 93.8 dB(A)
SOUND LEVEL METER NO. : Model CR:161B, Cirrus Research plc, Serial No. G080136

Time	Noise Level [dB(A)]										Standard
	October 17, 2022		October 18, 2022		October 19, 2022		October 19, 2022		October 19, 2022		
	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	
00:00 - 01:00	67.0	89.4	47.6	72.7	95.4	55.3	68.2	89.9	49.8		
01:00 - 02:00	51.0	65.2	48.4	60.1	70.3	53.4	53.9	69.0	49.4		
02:00 - 03:00	55.7	70.9	48.2	59.4	65.3	54.4	58.7	66.1	55.2		
03:00 - 04:00	51.6	60.0	47.6	55.9	63.8	51.9	62.7	71.7	54.3		
04:00 - 05:00	54.1	73.7	48.8	56.5	73.9	54.4	59.5	74.0	51.0		
05:00 - 06:00	59.4	69.0	51.4	58.7	66.2	53.8	65.0	71.3	52.0		
06:00 - 07:00	61.8	86.9	53.1	64.5	86.5	57.2	73.6	84.8	70.1		
07:00 - 08:00	69.8	93.2	53.1	71.4	88.7	58.2	75.7	93.2	73.5		
08:00 - 09:00	70.8	91.4	55.4	71.1	90.3	55.3	76.6	93.2	74.0		
09:00 - 10:00	72.5	88.9	52.3	74.4	91.2	56.1	76.6	91.9	72.7		
10:00 - 11:00	71.7	90.9	57.4	71.9	92.1	54.8	74.3	91.7	63.6		
11:00 - 12:00	74.8	90.7	59.7	73.2	92.0	51.4	73.7	89.6	61.0		
12:00 - 13:00	74.1	92.2	57.7	73.7	91.4	50.5	78.4	91.6	72.8		
13:00 - 14:00	71.2	93.8	59.0	73.5	91.4	57.9	75.0	91.7	60.3		
14:00 - 15:00	75.2	92.4	59.9	67.9	90.0	50.0	76.7	91.9	65.9		
15:00 - 16:00	72.2	89.6	59.1	68.7	88.9	52.4	75.5	93.7	60.4		
16:00 - 17:00	72.6	89.6	55.1	72.5	91.7	56.0	74.8	86.1	73.2		
17:00 - 18:00	71.1	91.7	56.7	72.8	90.9	58.4	74.0	90.5	60.0		
18:00 - 19:00	72.5	89.7	56.5	71.5	91.2	53.9	75.1	90.6	59.7		
19:00 - 20:00	70.9	91.0	53.0	69.8	90.2	53.2	75.4	94.4	64.6		
20:00 - 21:00	72.9	91.7	55.5	73.0	91.9	53.0	76.0	92.1	73.8		
21:00 - 22:00	71.0	92.5	54.7	70.4	91.6	56.8	76.0	88.8	73.6		
22:00 - 23:00	75.5	97.0	54.8	69.8	91.0	50.3	77.9	96.0	68.1		
23:00 - 00:00	65.5	88.3	52.6	65.1	89.8	49.3	74.1	86.6	57.4		
Leq 24 hr	71.2	-	-	70.7	-	-	74.6	-	-	70	
Ldn	74.9	-	-	74.1	-	-	78.8	-	-	-	
Lmax	-	97.0	-	-	95.4	-	-	96.0	-	115	

Source : * Notification of the National Environment Board No.15, B.E. 2540 (1997)

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Report No. : 2022-5003734-3 / 003-1 (Page 3 of 3)

Issued date : January 11, 2023

CLIENT : AIRPORTS OF THAILAND PUBLIC COMPANY LIMITED
CONTACT ADDRESS : [REDACTED]

Analysis Report

SAMPLE DESIGNATED AS : Noise Level
MEASUREMENT LOCATION : เขต Airside บริเวณคลังสินค้า
CALIBRATION DATA : บริษัท คิงพาวเวอร์ จำกัด (บริเวณสถานีดับเพลิงและกู้ภัยเดิม)
SOUND LEVEL METER NO. : Model CR:161B, Cirrus Research plc, Serial No. G080136
MEASUREMENT DATE : October 13-19, 2022
MEASUREMENT BY : [REDACTED]
CALIBRATION VALUE REFERENCE: 94.0 dB(A), Pre Cal. : 93.8 dB(A), Post Cal. : 93.8 dB(A)

Date	Time	Noise Level [dB(A)]			No. of Flight (Event)			
		Leq 24 hr	Lmax	Ldn	NEF	N _d	N _n	n
13/10/2022	00:00-00:00	70.0	94.9	73.0	31.1	37	74	2
14/10/2022	00:00-00:00	68.4	94.3	72.0	30.7	35	78	1
15/10/2022	00:00-00:00	71.2	97.6	76.3	33.5	25	73	2
16/10/2022	00:00-00:00	71.2	94.4	74.9	33.6	22	82	3
17/10/2022	00:00-00:00	71.2	97.0	74.9	32.9	23	74	0
18/10/2022	00:00-00:00	70.7	95.4	74.1	32.5	42	70	2
19/10/2022	00:00-00:00	74.6	96.0	78.8	34.2	16	65	2

Remark : N_d = จำนวนเหตุการณ์อากาศยาน ในช่วงเวลา 07.00-22.00 น.
N_n = จำนวนเหตุการณ์อากาศยาน ในช่วงเวลา 22.00-07.00 น.
n = จำนวนเหตุการณ์อากาศยานทั้งหมด
ARR = เที่ยวบินเข้า (Arrival)
DEP = เที่ยวบินออก (Departure)



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Report No. : 2022-5003734-3 / 003-2 (Page 1 of 3)

Issued date : January 11, 2023

CLIENT : AIRPORTS OF THAILAND PUBLIC COMPANY LIMITED
CONTACT ADDRESS : [REDACTED]

Analysis Report

SAMPLE DESIGNATED AS : Noise Level
MEASUREMENT LOCATION : บริเวณลานจอดรถหน้าอาคารโดยสาร
CALIBRATION DATA : Model CR:515, Cirrus Research plc, Serial No. 80411
SOUND LEVEL METER NO. : Model CR:161B, Cirrus Research plc, Serial No. G079769
MEASUREMENT DATE : October 13-19, 2022
MEASUREMENT BY : [REDACTED]
CALIBRATION VALUE REFERENCE: 94.0 dB(A), Pre Cal. : 93.8 dB(A), Post Cal. : 93.8 dB(A)

Time	Noise Level [dB(A)]												Standard*
	Leq	Lmax	L90	Leq	Lmax	L90	Leq	Lmax	L90	Leq	Lmax	L90	
00:00-01:00	60.2	80.0	47.2	64.9	76.7	56.8	60.1	78.7	52.1	61.9	75.8	52.8	
01:00-02:00	53.3	71.0	43.8	65.4	88.8	54.5	54.4	70.9	50.7	60.7	85.8	51.3	
02:00-03:00	48.9	69.1	42.6	71.1	89.1	55.0	53.8	73.2	50.6	65.1	83.1	50.4	
03:00-04:00	50.3	67.7	42.8	62.7	77.6	54.0	53.1	66.7	50.6	57.4	71.8	49.9	
04:00-05:00	56.0	73.2	46.4	66.5	85.7	53.6	55.8	69.9	51.1	61.5	79.7	50.3	
05:00-06:00	61.3	75.5	53.0	68.1	92.6	54.1	62.2	74.5	54.9	64.2	78.6	55.6	
06:00-07:00	63.9	80.6	58.1	77.3	93.7	63.7	63.6	80.2	58.6	65.4	79.4	62.2	
07:00-08:00	64.5	81.1	59.5	76.5	96.6	66.1	61.7	87.0	61.5	59.9	64.8	79.9	61.2
08:00-09:00	65.0	74.6	61.5	73.9	99.9	62.9	66.0	80.0	62.5	71.9	91.6	63.0	
09:00-10:00	64.4	72.4	60.5	78.0	89.9	61.8	71.1	79.8	62.9	78.6	91.6	62.9	
10:00-11:00	64.2	75.7	61.1	79.0	89.9	61.7	68.1	78.2	63.3	77.4	91.6	62.6	
11:00-12:00	64.1	72.4	61.3	64.9	76.0	62.1	66.2	74.2	63.4	64.2	71.4	62.0	
12:00-13:00	63.5	77.8	60.1	64.9	80.4	61.8	65.9	80.8	62.4	63.9	75.6	61.4	
13:00-14:00	64.8	79.3	61.8	65.4	79.3	62.7	73.2	82.4	62.7	64.9	78.1	62.7	
14:00-15:00	64.2	75.6	60.4	65.0	83.8	61.2	65.4	82.2	60.9	64.4	77.9	61.4	
15:00-16:00	63.4	82.9	59.9	63.5	78.8	60.0	65.1	79.2	61.5	63.4	81.7	60.7	
16:00-17:00	64.2	82.2	60.7	64.0	74.5	61.0	66.2	77.0	62.7	64.2	78.0	61.5	
17:00-18:00	68.6	82.6	62.5	64.7	76.5	61.5	66.5	78.3	63.3	67.9	81.4	62.8	
18:00-19:00	74.1	82.0	63.0	63.0	72.7	59.7	64.8	73.2	61.6	72.9	80.8	62.9	
19:00-20:00	64.1	75.9	61.1	63.0	73.7	59.9	67.2	77.6	61.8	63.8	74.8	61.5	
20:00-21:00	64.4	75.9	61.5	63.5	74.3	60.3	64.0	74.1	61.7	64.2	75.7	61.8	
21:00-22:00	64.5	79.1	61.1	64.3	82.0	61.2	64.4	79.0	62.0	64.4	77.9	61.8	
22:00-23:00	63.6	79.3	57.2	63.1	78.4	55.6	63.4	75.6	57.4	63.5	77.1	57.6	
23:00-00:00	72.8	82.6	55.4	56.8	72.9	52.1	69.9	79.6	55.3	71.6	81.4	55.6	
Leq 24 hr	66.0	-	-	70.0	-	-	66.4	-	-	69.7	-	-	70
Ldn	71.5	-	-	74.1	-	-	70.5	-	-	73.2	-	-	-
Lmax	-	82.9	-	-	89.9	-	-	92.4	-	-	91.6	-	115

Source : * The Notification of Environmental Board No.15, B.E. 2540 (1997)

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Report No. : 2022-5003734-3 / 003-2 (Page 2 of 3)

Issued date : January 11, 2023

CLIENT : AIRPORTS OF THAILAND PUBLIC COMPANY LIMITED
CONTACT ADDRESS

Analysis Report

SAMPLE DESIGNATED AS : Noise Level
MEASUREMENT LOCATION : บริเวณลานจอดรถหน้าอาคารโดยสาร
CALIBRATION DATA : Model CR-515, Cirrus Research plc, Serial No. 80411
SOUND LEVEL METER NO. : Model CR-161B, Cirrus Research plc, Serial No. G079769

MEASUREMENT DATE : October 13-19, 2022
MEASUREMENT BY :
Calibration Value Reference: 94.0 dB(A), Pre Cal.: 93.8 dB(A), Post Cal.: 93.8 dB(A)

Time	Noise Level [dB(A)]						Standard'	
	October 17, 2022		October 18, 2022		October 19, 2022			
	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax
00:00 - 01:00	61.1	79.5	51.0	60.7	79.7	49.7	61.4	79.3
01:00 - 02:00	58.4	83.8	49.4	56.6	80.8	47.7	59.1	84.8
02:00 - 03:00	62.2	80.1	48.5	59.4	77.1	46.8	63.2	81.1
03:00 - 04:00	55.2	68.8	48.0	53.4	67.4	46.4	55.9	69.8
04:00 - 05:00	59.5	76.7	49.1	58.1	73.7	48.2	60.1	77.7
05:00 - 06:00	63.0	75.1	54.8	62.2	75.3	54.2	63.3	75.0
06:00 - 07:00	64.7	80.0	51.1	64.3	80.3	60.1	64.9	79.9
07:00 - 08:00	64.7	80.5	50.5	64.6	80.8	60.1	64.7	80.4
08:00 - 09:00	72.1	94.5	62.6	69.8	91.5	62.3	72.9	95.5
09:00 - 10:00	77.5	98.2	62.5	74.7	95.2	62.3	78.5	99.2
10:00 - 11:00	75.8	94.2	62.6	73.0	91.2	62.4	76.7	95.2
11:00 - 12:00	64.1	72.0	51.6	64.0	72.2	61.3	64.1	71.8
12:00 - 13:00	63.7	77.2	50.9	63.6	77.5	60.6	63.8	77.1
13:00 - 14:00	64.8	78.7	52.3	64.8	79.0	62.1	64.9	78.6
14:00 - 15:00	64.3	75.1	51.0	64.2	75.4	60.8	64.3	75.9
15:00 - 16:00	63.4	82.3	50.4	63.4	82.6	60.2	63.4	82.2
16:00 - 17:00	64.2	78.6	51.2	64.2	78.9	60.9	64.2	78.5
17:00 - 18:00	68.3	82.0	52.7	68.4	82.3	62.6	68.2	81.9
18:00 - 19:00	73.5	81.4	63.0	73.8	81.7	63.0	73.4	81.3
19:00 - 20:00	63.9	75.4	51.4	64.0	75.6	61.3	63.9	75.2
20:00 - 21:00	64.3	76.4	51.8	64.4	76.6	61.6	64.3	76.2
21:00 - 22:00	64.4	78.5	51.6	64.5	78.8	61.3	64.5	78.4
22:00 - 23:00	63.6	77.7	57.5	63.6	78.0	57.3	63.6	77.6
23:00 - 00:00	72.2	82.0	55.6	72.5	82.3	55.5	72.1	81.9
Leq 24 hr	69.1	-	67.8	-	72.2	-	69.7	-
Ldn	72.8	-	72.2	-	73.1	-	73.1	-
Lmax	98.2	-	95.2	-	99.2	-	99.2	-

Source : Notification of the National Environment Board No.15 B.E. 2540 (1997).



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Report No. : 2022-5003734-3 / 003-2 (Page 3 of 3)

Issued date : January 11, 2023

CLIENT : AIRPORTS OF THAILAND PUBLIC COMPANY LIMITED
CONTACT ADDRESS

Analysis Report

SAMPLE DESIGNATED AS : Noise Level
MEASUREMENT LOCATION : บริเวณลานจอดรถหน้าอาคารโดยสาร
CALIBRATION DATA : Model CR-515, Cirrus Research plc, Serial No. 80411
SOUND LEVEL METER NO. : Model CR-161B, Cirrus Research plc, Serial No. G079769

MEASUREMENT DATE : October 13-19, 2022
MEASUREMENT BY :
Calibration Value Reference: 94.0 dB(A), Pre Cal.: 93.8 dB(A), Post Cal.: 93.8 dB(A)

Date	Time	Noise Level [dB(A)]				No. of Flight (Event)			
		Leq 24 hr	Lmax	Ldn	NEF	ARR	DEP	ARR	DEP
13/10/2022	00:00-00:00	66.0	82.9	71.5	15.8	7	1	2	17
14/10/2022	00:00-00:00	70.0	89.9	74.1	15.3	7	2	2	18
15/10/2022	00:00-00:00	66.4	92.4	70.5	17.0	9	1	5	24
16/10/2022	00:00-00:00	69.7	91.6	73.2	16.1	8	10	3	22
17/10/2022	00:00-00:00	69.1	98.2	72.8	16.2	7	11	1	4
18/10/2022	00:00-00:00	67.8	95.2	72.2	17.7	5	13	1	4
19/10/2022	00:00-00:00	69.7	99.2	73.1	18.5	9	10	1	4

Remark : N_d = จำนวนเหตุการณ์เสียงอากาศยานในช่วงเวลา 07:00-22:00 น.
 N_h = จำนวนเหตุการณ์เสียงอากาศยานในช่วงเวลา 22:00-07:00 น.
 n = จำนวนเหตุการณ์เสียงอากาศยานทั้งหมด
ARR = เที่ยวบินเข้า (Arrival)
DEP = เที่ยวบินออก (Departure)



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Report No. : 2022-5003734-3 / 003-3 (Page 1 of 3) Issued date : January 11, 2023

CLIENT : AIRPORTS OF THAILAND PUBLIC COMPANY LIMITED
CONTACT ADDRESS

Analysis Report

SAMPLE DESIGNATED AS : Noise Level MEASUREMENT DATE : October 13-19, 2022
MEASUREMENT LOCATION : กรุงเทพมหานคร MEASUREMENT BY :
CALIBRATION DATA : Model CR-515, Cirrus Research plc, Serial No. 80411
Calibration Value Reference: 94.0 dB(A), Pre Cal. : 93.8 dB(A), Post Cal. : 93.8 dB(A)
SOUND LEVEL METER NO. : Model CR-161B, Cirrus Research plc, Serial No. G080148

Time	Noise Level [dB(A)]										Standard*
	October 13, 2022		October 14, 2022		October 15, 2022		October 16, 2022		October 17, 2022		
	Leq	L90	Leq	L90	Leq	L90	Leq	L90	Leq	L90	
00:00 - 01:00	50.3	59.3	48.3	53.1	49.1	47.9	53.9	52.0	53.9	59.0	52.0
01:00 - 02:00	49.2	60.2	48.4	51.0	47.9	46.8	53.0	60.9	52.1	55.4	52.8
02:00 - 03:00	51.4	65.9	48.9	52.4	54.3	47.5	53.0	59.9	51.0	58.0	53.2
03:00 - 04:00	49.6	64.1	47.2	48.3	62.3	46.6	52.3	65.6	50.6	57.0	54.1
04:00 - 05:00	49.2	65.6	47.3	53.6	65.5	45.8	51.6	66.6	49.7	55.2	66.8
05:00 - 06:00	53.7	68.4	48.4	59.6	66.6	52.1	57.8	67.6	49.0	52.0	64.8
06:00 - 07:00	53.9	69.8	47.8	54.2	67.5	46.3	54.7	68.2	51.1	52.5	64.5
07:00 - 08:00	53.0	69.8	48.5	49.0	66.5	45.8	56.8	74.1	50.5	55.1	69.9
08:00 - 09:00	51.9	70.2	45.4	54.2	66.3	48.3	52.8	69.6	49.0	57.2	66.8
09:00 - 10:00	48.9	68.0	43.8	53.8	72.6	49.2	57.2	71.1	47.8	58.1	74.1
10:00 - 11:00	47.3	65.2	43.6	52.8	68.6	49.1	56.5	70.2	46.7	56.9	73.2
11:00 - 12:00	50.9	77.8	43.4	52.6	75.0	46.0	54.2	67.0	49.4	57.2	71.2
12:00 - 13:00	47.0	69.2	43.0	47.3	62.8	43.8	54.5	72.4	48.2	58.2	73.9
13:00 - 14:00	47.6	66.4	43.0	48.4	67.0	43.7	53.7	68.6	48.5	56.0	69.3
14:00 - 15:00	46.8	63.8	43.1	48.5	67.5	43.2	52.0	67.6	48.2	56.5	71.6
15:00 - 16:00	50.0	67.6	45.0	46.7	64.9	43.2	54.7	69.5	48.4	52.4	64.5
16:00 - 17:00	51.6	72.8	45.5	49.2	68.5	44.6	57.1	81.3	49.4	53.6	68.8
17:00 - 18:00	51.3	65.6	47.0	49.0	69.9	44.4	53.1	68.7	48.0	52.7	66.8
18:00 - 19:00	56.0	72.8	49.1	56.1	71.3	49.8	53.9	67.3	47.5	58.0	70.2
19:00 - 20:00	51.3	67.5	48.2	55.7	66.9	54.0	51.5	70.1	46.7	59.3	76.2
20:00 - 21:00	51.3	66.9	48.9	56.3	68.9	55.0	58.2	68.3	51.2	58.5	69.2
21:00 - 22:00	51.1	66.8	48.1	56.3	69.8	55.1	58.5	67.7	52.6	59.7	69.5
22:00 - 23:00	49.8	64.3	47.0	54.9	66.4	54.0	61.0	71.4	55.3	55.9	65.3
23:00 - 00:00	63.3	69.7	44.2	54.0	66.5	53.0	55.7	71.1	52.4	57.8	75.1
Leq 24 hr	53.3	-	-	53.7	-	-	55.7	-	-	56.7	-
Ldn	61.5	-	-	60.8	-	-	62.2	-	-	62.4	-
Lmax	-	77.8	-	75.0	-	-	81.3	-	-	76.2	-
	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-
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Source : * The Notification of Environmental Board No.15, B.E. 2540 (1997)

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Member of the SGS Group



Report No. : 2022-5003734-3 / 003-3 (Page 2 of 3) Issued date : January 11, 2023

CLIENT : AIRPORTS OF THAILAND PUBLIC COMPANY LIMITED
CONTACT ADDRESS

Analysis Report

SAMPLE DESIGNATED AS : Noise Level MEASUREMENT DATE : October 13-19, 2022
MEASUREMENT LOCATION : กรุงเทพมหานคร MEASUREMENT BY :
CALIBRATION DATA : Model CR-515, Cirrus Research plc, Serial No. 80411
Calibration Value Reference: 94.0 dB(A), Pre Cal. : 93.8 dB(A), Post Cal. : 93.8 dB(A)
SOUND LEVEL METER NO. : Model CR-161B, Cirrus Research plc, Serial No. G080148

Time	Noise Level [dB(A)]										Standard*					
	October 17, 2022					October 18, 2022						October 19, 2022				
	Leq	Lmax	L90	Leq	Lmax	L90	Leq	Lmax	L90	Leq		Lmax	L90	Leq	Lmax	L90
00:00 - 01:00	54.0	67.0	51.9	48.4	65.7	45.7	48.4	65.7	45.7	48.4	65.7	45.7	48.4	65.7	45.7	
01:00 - 02:00	52.8	62.8	49.8	47.5	63.8	44.1	47.5	63.8	44.1	47.5	63.8	44.1	47.5	63.8	44.1	
02:00 - 03:00	56.6	63.1	51.5	48.9	58.5	43.9	48.9	58.5	43.9	48.9	58.5	43.9	48.9	58.5	43.9	
03:00 - 04:00	50.9	55.3	50.2	57.7	66.0	43.3	57.7	66.0	43.3	57.7	66.0	43.3	57.7	66.0	43.3	
04:00 - 05:00	52.0	64.6	50.5	54.7	62.6	46.7	54.7	62.6	46.7	54.7	62.6	46.7	54.7	62.6	46.7	
05:00 - 06:00	54.6	67.3	52.4	49.8	62.7	46.7	49.8	62.7	46.7	49.8	62.7	46.7	49.8	62.7	46.7	
06:00 - 07:00	55.3	69.0	51.0	58.6	67.0	48.0	58.6	67.0	48.0	58.6	67.0	48.0	58.6	67.0	48.0	
07:00 - 08:00	61.3	71.1	50.6	53.9	66.3	46.2	53.9	66.3	46.2	53.9	66.3	46.2	53.9	66.3	46.2	
08:00 - 09:00	51.2	66.4	46.7	56.8	67.4	48.2	56.8	67.4	48.2	56.8	67.4	48.2	56.8	67.4	48.2	
09:00 - 10:00	51.8	63.9	46.9	52.3	65.6	46.1	52.3	65.6	46.1	52.3	65.6	46.1	52.3	65.6	46.1	
10:00 - 11:00	54.2	67.9	48.5	58.5	70.8	46.3	58.5	70.8	46.3	58.5	70.8	46.3	58.5	70.8	46.3	
11:00 - 12:00	51.9	66.9	47.2	58.9	67.8	52.9	58.9	67.8	52.9	58.9	67.8	52.9	58.9	67.8	52.9	
12:00 - 13:00	56.0	75.1	47.5	50.8	65.9	46.9	50.8	65.9	46.9	50.8	65.9	46.9	50.8	65.9	46.9	
13:00 - 14:00	53.6	70.5	45.7	49.5	66.2	44.4	49.5	66.2	44.4	49.5	66.2	44.4	49.5	66.2	44.4	
14:00 - 15:00	51.2	67.2	45.6	49.0	64.6	44.1	49.0	64.6	44.1	49.0	64.6	44.1	49.0	64.6	44.1	
15:00 - 16:00	56.4	77.6	47.2	56.4	70.2	48.4	56.4	70.2	48.4	56.4	70.2	48.4	56.4	70.2	48.4	
16:00 - 17:00	55.7	66.2	48.3	49.3	66.6	44.3	49.3	66.6	44.3	49.3	66.6	44.3	49.3	66.6	44.3	
17:00 - 18:00	53.0	63.7	47.0	63.0	75.6	49.4	63.0	75.6	49.4	63.0	75.6	49.4	63.0	75.6	49.4	
18:00 - 19:00	51.7	66.0	47.6	51.8	70.5	48.3	51.8	70.5	48.3	51.8	70.5	48.3	51.8	70.5	48.3	
19:00 - 20:00	50.9	63.4	49.0	57.9	68.0	50.1	57.9	68.0	50.1	57.9	68.0	50.1	57.9	68.0	50.1	
20:00 - 21:00	51.6	69.2	48.9	57.9	66.6	51.0	57.9	66.6	51.0	57.9	66.6	51.0	57.9	66.6	51.0	
21:00 - 22:00	52.4	62.2	49.1	53.8	62.3	50.8	53.8	62.3	50.8	53.8	62.3	50.8	53.8	62.3	50.8	
22:00 - 23:00	53.1	69.0	50.2	53.3	71.5	47.8	53.3	71.5	47.8	53.3	71.5	47.8	53.3	71.5	47.8	
23:00 - 00:00	50.2	63.7	45.8	51.9	63.6	47.5	51.9	63.6	47.5	51.9	63.6	47.5	51.9	63.6	47.5	
Leq 24 hr	54.7	-	-	55.8	-	-	55.8	-	-	60.9	-	-	60.9	-	-	
Ldn	60.4	-	-	60.9	-	-	60.9	-	-	75.6	-	-	75.6	-	-	
Lmax	-	77.6	-	75.6	-	-	75.6	-	-	75.6	-	-	75.6	-	-	

Source : * Notification of the National Environment Board No.15, B.E. 2540 (1997).

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Report No. : 2022-5003734-3 / 003-3 (Page 3 of 3)

Issued date : January 11, 2023

CLIENT : AIRPORTS OF THAILAND PUBLIC COMPANY LIMITED

CONTACT

ADDRESS

Analysis Report

SAMPLE DESIGNATED AS : Noise Level MEASUREMENT DATE : October 13-19, 2022

MEASUREMENT LOCATION : บริษัทท่าอากาศยานไทย MEASUREMENT BY :

CALIBRATION DATA : Model CR-515, Cirrus Research plc, Serial No. 80411

SOUND LEVEL METER NO. : Model CR-161B, Cirrus Research plc, Serial No. G080148

Calibration Value Reference: 94.0 dB(A), Pre Cal.: 93.8 dB(A), Post Cal.: 93.8 dB(A)

Date	Time	Noise Level [dB(A)]			No. of Flight (Event)				
		Leq 24 hr	Lmax	Ldn	NEF	N _d	ARR	DEP	n
13/10/2022	00:00-00:00	53.3	77.8	61.5	6.2	5	48	0	2
14/10/2022	00:00-00:00	53.7	75.0	60.8	5.2	0	32	0	2
15/10/2022	00:00-00:00	55.7	81.3	62.2	10.7	4	43	0	7
16/10/2022	00:00-00:00	56.7	76.2	62.4	13.0	1	53	0	7
17/10/2022	00:00-00:00	54.7	77.6	60.4	9.4	12	38	1	8
18/10/2022	00:00-00:00	55.8	75.6	60.9	8.2	5	42	2	5
19/10/2022	00:00-00:00	55.8	75.6	60.9	9.2	6	47	2	7

Remark : N_d = จำนวนเหตุการณ์เสียงรบกวนในเวลากลางคืน 00:00-05:00 น.

N_n = จำนวนเหตุการณ์เสียงรบกวนในเวลากลางวัน 06:00-22:00 น.

n = จำนวนเหตุการณ์เสียงรบกวนในเวลากลางคืนและเวลากลางวันรวม

ARR = เที่ยวบินเข้า (Arrival)

DEP = เที่ยวบินออก (Departure)



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Report No. : 2022-5003734-3 / 003-4 (Page 1 of 3)

Issued date : January 11, 2023

CLIENT : AIRPORTS OF THAILAND PUBLIC COMPANY LIMITED

CONTACT

ADDRESS

Analysis Report

SAMPLE DESIGNATED AS : Noise Level MEASUREMENT DATE : October 13-19, 2022

MEASUREMENT LOCATION : บริษัทท่าอากาศยานไทย MEASUREMENT BY :

CALIBRATION DATA : Model CR-515, Cirrus Research plc, Serial No. 80411

SOUND LEVEL METER NO. : Model CR-161B, Cirrus Research plc, Serial No. G078642

Calibration Value Reference: 94.0 dB(A), Pre Cal.: 93.8 dB(A), Post Cal.: 93.8 dB(A)

Time	October 13, 2022			October 14, 2022			October 15, 2022			October 16, 2022			Standard*
	Leq	Lmax	L90	Leq	Lmax	L90	Leq	Lmax	L90	Leq	Lmax	L90	
00:00 - 01:00	55.5	81.5	36.0	63.4	98.2	51.7	57.1	78.5	49.0	58.3	68.7	51.5	
01:00 - 02:00	42.7	65.3	34.5	58.0	70.8	49.5	57.9	68.0	54.1	60.9	71.0	57.0	
02:00 - 03:00	44.0	65.4	35.2	53.8	69.0	49.5	62.9	72.2	56.0	65.9	75.2	58.9	
03:00 - 04:00	44.6	68.5	35.5	52.5	67.1	49.4	59.7	67.0	56.7	62.6	70.0	59.7	
04:00 - 05:00	45.9	65.2	35.6	55.1	71.6	48.0	57.9	66.3	55.2	60.8	69.3	58.1	
05:00 - 06:00	57.7	74.5	39.5	64.2	78.0	51.8	59.0	72.1	50.8	60.0	74.8	52.8	
06:00 - 07:00	54.3	79.5	39.9	61.2	79.1	52.8	54.6	76.5	45.8	54.8	74.8	46.6	
07:00 - 08:00	50.7	67.5	42.2	58.4	78.7	50.6	51.1	69.1	45.8	63.9	92.1	46.1	
08:00 - 09:00	51.6	75.6	42.7	59.3	82.8	51.2	54.0	72.6	45.1	55.5	67.7	48.4	
09:00 - 10:00	57.4	80.6	41.7	56.5	81.0	49.9	58.0	77.6	48.8	58.5	77.1	50.0	
10:00 - 11:00	50.9	69.4	42.1	56.5	75.1	51.0	53.1	66.5	48.6	54.5	68.8	50.1	
11:00 - 12:00	53.9	78.8	42.1	62.8	92.9	48.0	59.2	85.2	50.0	63.8	90.9	52.1	
12:00 - 13:00	63.4	93.4	46.2	62.0	72.0	48.0	55.6	71.6	48.3	57.9	73.4	50.8	
13:00 - 14:00	54.9	70.0	50.0	57.5	79.4	46.2	52.2	67.9	46.1	57.6	75.4	49.3	
14:00 - 15:00	54.4	67.9	49.9	56.4	81.6	45.8	52.3	69.5	45.8	57.5	70.5	50.6	
15:00 - 16:00	60.7	77.7	50.1	56.2	73.3	45.4	58.5	76.5	46.0	58.1	75.5	51.6	
16:00 - 17:00	55.8	74.6	50.0	52.5	73.2	44.8	54.4	72.4	46.4	52.9	73.2	47.4	
17:00 - 18:00	57.1	73.5	51.8	52.1	69.0	45.4	60.4	89.0	49.0	55.7	73.3	47.7	
18:00 - 19:00	62.3	77.4	51.9	57.2	72.3	47.6	56.1	69.7	49.8	55.6	71.2	48.8	
19:00 - 20:00	56.5	76.6	49.7	56.3	69.6	46.5	57.2	71.8	52.3	57.7	73.9	49.4	
20:00 - 21:00	53.5	68.2	49.1	52.7	65.8	47.9	60.9	73.1	54.2	52.7	68.5	47.3	
21:00 - 22:00	53.3	71.5	48.0	58.3	72.4	48.9	66.1	74.4	57.0	60.6	75.4	47.7	
22:00 - 23:00	52.0	71.6	47.3	53.2	69.2	48.3	67.8	76.6	61.1	54.2	72.2	47.9	
23:00 - 00:00	63.8	74.9	46.9	61.1	71.9	47.9	59.0	70.8	52.7	51.5	68.3	46.0	
Leq 24 hr	57.3	-	-	59.9	-	-	60.1	-	-	59.6	-	-	70
Ldn	63.0	-	-	68.2	-	-	67.6	-	-	66.9	-	-	-
Lmax	-	93.4	-	-	92.9	-	89.1	-	-	92.1	-	-	115

Source : * The Notification of Environmental Board No.15, B.E. 2540 (1997)



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Report No. : 2022-5003734-3 / 003-4 (Page 2 of 3)

Issued date : January 11, 2023

CLIENT : AIRPORTS OF THAILAND PUBLIC COMPANY LIMITED

CONTACT ADDRESS

Analysis Report

SAMPLE DESIGNATED AS : Noise Level
MEASUREMENT LOCATION : กรุงเทพมหานคร
MEASUREMENT DATE : October 13-19, 2022
MEASUREMENT BY :
CALIBRATION DATA : Model CR-515, Cirrus Research plc, Serial No. 80411
Calibration Value Reference: 94.0 dB(A), Pre Cal. : 93.8 dB(A), Post Cal. : 93.8 dB(A)
SOUND LEVEL METER NO. : Model CR-161B, Cirrus Research plc, Serial No. G078642

Time	Noise Level [dB(A)]										Standard*
	October 17, 2022					October 18, 2022					
	Leq	Lmax	L90	Leq	Lmax	L90	Leq	Lmax	L90		
00:00 - 01:00	47.6	65.4	42.8	57.9	68.9	54.3	45.1	66.1	45.1	36.9	70
01:00 - 02:00	46.0	61.8	41.6	54.8	71.4	47.7	45.2	67.8	45.2	35.4	
02:00 - 03:00	59.3	79.3	41.7	52.6	72.1	51.3	51.8	65.5	51.8	35.3	
03:00 - 04:00	45.6	64.0	41.8	48.7	64.9	43.9	64.5	74.4	64.5	41.0	
04:00 - 05:00	48.9	70.4	41.8	50.6	71.4	43.7	61.1	72.4	61.1	44.6	
05:00 - 06:00	61.5	79.7	45.6	55.8	72.7	44.7	54.9	71.3	54.9	42.4	
06:00 - 07:00	60.3	80.3	45.5	52.2	67.9	45.8	53.3	74.7	53.3	50.2	
07:00 - 08:00	52.4	70.2	45.8	55.2	79.2	50.6	62.9	76.7	62.9	47.4	
08:00 - 09:00	55.8	75.3	46.5	57.1	70.5	51.0	66.8	77.6	66.8	56.3	
09:00 - 10:00	52.0	68.4	45.7	56.2	69.6	49.3	54.1	74.5	54.1	46.5	
10:00 - 11:00	56.5	68.4	50.1	55.4	71.4	47.9	64.0	78.3	64.0	46.8	
11:00 - 12:00	64.2	97.4	51.5	53.0	73.8	46.3	62.4	75.3	62.4	55.8	
12:00 - 13:00	61.5	74.2	54.7	59.4	80.4	45.5	60.6	89.8	60.6	49.8	
13:00 - 14:00	58.6	70.6	53.4	55.9	69.3	47.2	55.7	79.1	55.7	48.3	
14:00 - 15:00	57.6	72.1	52.0	52.6	73.3	45.0	56.6	71.6	56.6	47.9	
15:00 - 16:00	57.9	75.4	49.5	61.1	79.5	45.8	60.0	73.1	60.0	52.1	
16:00 - 17:00	56.9	69.0	50.8	60.6	69.7	52.5	52.9	68.3	52.9	46.8	
17:00 - 18:00	56.3	71.1	52.6	58.0	69.2	50.7	66.2	80.5	50.7	50.7	
18:00 - 19:00	56.9	71.4	50.8	56.8	70.0	48.0	56.2	71.8	56.2	48.8	
19:00 - 20:00	57.1	70.0	49.3	57.4	70.0	46.0	66.8	77.9	66.8	52.4	
20:00 - 21:00	61.9	77.7	49.3	51.1	69.9	42.8	65.1	85.1	65.1	50.1	
21:00 - 22:00	56.2	77.1	45.9	55.5	71.7	43.0	57.8	72.1	57.8	46.8	
22:00 - 23:00	65.4	81.9	45.8	49.6	70.4	41.5	54.6	77.5	54.6	45.3	
23:00 - 00:00	63.3	75.6	50.1	47.3	71.8	39.8	63.3	79.4	63.3	44.2	
Leq 24hr	59.3	-	-	57.8	-	-	61.9	-	-	-	70
Ldn	66.3	-	-	62.9	-	-	67.0	-	-	-	115
Lmax	97.4	-	-	80.4	-	-	89.8	-	-	-	115

Source : Notification of the National Environment Board No.15, B.E. 2540 (1997).

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Report No. : 2022-5003734-3 / 003-4 (Page 3 of 3)

Issued date : January 11, 2023

CLIENT : AIRPORTS OF THAILAND PUBLIC COMPANY LIMITED

CONTACT ADDRESS

Analysis Report

SAMPLE DESIGNATED AS : Noise Level
MEASUREMENT LOCATION : กรุงเทพมหานคร
MEASUREMENT DATE : October 13-19, 2022
MEASUREMENT BY :
CALIBRATION DATA : Model CR-515, Cirrus Research plc, Serial No. 80411
Calibration Value Reference: 94.0 dB(A), Pre Cal. : 93.8 dB(A), Post Cal. : 93.8 dB(A)
SOUND LEVEL METER NO. : Model CR-161B, Cirrus Research plc, Serial No. G078642

Date	Time	Noise Level [dB(A)]					No. of Flight (Event)				
		Leq 24 hr	Lmax	Ldn	NEF		N _d	ARR	DEP	ARR	DEP
											n
13/10/2022	00:00-00:00	57.3	93.4	63.0	10.1		61	10	2	0	73
14/10/2022	00:00-00:00	58.9	92.9	66.2	17.7		45	15	1	4	65
15/10/2022	00:00-00:00	60.1	89.1	67.6	12.5		44	8	3	2	57
16/10/2022	00:00-00:00	59.6	92.1	66.9	13.9		63	10	8	3	84
17/10/2022	00:00-00:00	59.3	97.4	66.3	11.2		56	7	2	1	66
18/10/2022	00:00-00:00	57.8	80.4	62.9	10.9		48	11	4	2	65
19/10/2022	00:00-00:00	61.9	89.8	67.0	11.8		48	8	4	2	62

Remark : N_d = จำนวนเหตุการณ์เสียงรบกวนที่เกินค่ามาตรฐานในช่วงเวลา 07:00-22:00 น.
N_d = จำนวนเหตุการณ์เสียงรบกวนที่เกินค่ามาตรฐานในช่วงเวลา 22:00-07:00 น.
n = จำนวนเหตุการณ์เสียงรบกวนทั้งหมด
ARR = เที่ยวบินเข้า (Arrival)
DEP = เที่ยวบินออก (Departure)



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Report No. : 2022-5003734-3 / 003-5 (Page 1 of 3)

Issued date : January 11, 2023

CLIENT : AIRPORTS OF THAILAND PUBLIC COMPANY LIMITED
CONTACT ADDRESS : [Redacted]

Analysis Report

SAMPLE DESIGNATED AS : Noise Level
MEASUREMENT LOCATION : กรุงเทพมหานคร
MEASUREMENT DATE : October 13-19, 2022
CALIBRATION DATA : Model CR-515, Cirrus Research plc, Serial No. 80411
SOUND LEVEL METER NO. : Model CR-161B, Cirrus Research plc, Serial No. G079771

Time	Noise Level [dB(A)]										Standard*	
	October 13, 2022		October 14, 2022		October 15, 2022		October 16, 2022		October 17, 2022			
	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax		
00:00 - 01:00	53.9	79.4	41.7	55.0	78.3	41.1	54.3	68.6	45.1	56.9	65.1	50.5
01:00 - 02:00	43.3	65.5	40.9	44.4	54.8	41.1	45.4	58.8	44.7	60.7	65.7	55.8
02:00 - 03:00	42.6	61.8	40.8	42.4	55.5	41.6	49.9	69.7	44.5	64.6	73.5	57.5
03:00 - 04:00	42.5	56.7	40.6	43.5	58.2	41.4	47.6	59.2	44.5	63.5	69.2	61.3
04:00 - 05:00	45.0	65.1	41.1	45.1	90.0	41.3	46.9	65.6	44.6	61.7	66.1	58.4
05:00 - 06:00	47.7	60.0	41.9	49.1	82.9	42.9	59.8	72.2	45.9	55.5	61.1	58.4
06:00 - 07:00	52.3	75.6	41.5	54.6	74.6	43.0	53.6	78.5	46.0	54.3	79.2	46.6
07:00 - 08:00	56.3	78.9	40.5	56.2	79.7	42.4	58.5	78.8	45.6	55.7	78.2	46.2
08:00 - 09:00	58.8	78.8	41.5	61.4	77.6	43.4	59.6	79.0	45.8	58.6	78.6	46.2
09:00 - 10:00	59.4	78.9	41.3	60.0	79.9	46.6	63.0	81.5	51.4	62.6	87.2	47.4
10:00 - 11:00	59.9	79.4	49.2	61.8	87.6	46.5	64.6	96.5	46.9	62.1	89.0	45.8
11:00 - 12:00	58.9	78.2	42.7	61.1	78.9	47.7	59.0	79.1	48.0	60.9	80.4	45.2
12:00 - 13:00	60.1	81.2	38.7	60.4	81.8	45.6	82.1	82.5	44.9	63.0	86.4	47.2
13:00 - 14:00	58.0	78.7	41.6	58.9	78.7	45.1	55.6	77.7	43.6	61.2	79.4	45.8
14:00 - 15:00	53.8	75.4	42.4	57.4	78.5	45.9	57.8	76.9	43.9	59.5	83.1	48.2
15:00 - 16:00	59.6	80.8	43.5	56.1	77.3	46.8	59.4	80.7	45.1	57.7	78.4	50.9
16:00 - 17:00	56.6	79.0	42.0	57.8	79.5	46.5	58.6	79.1	46.1	59.0	80.9	45.1
17:00 - 18:00	63.0	81.1	49.2	56.3	79.4	44.7	58.5	79.0	45.3	57.9	78.5	45.4
18:00 - 19:00	67.0	101.2	42.5	59.3	78.8	46.5	56.1	79.5	44.8	55.8	79.4	44.7
19:00 - 20:00	60.6	82.3	44.5	59.8	83.3	48.3	61.2	82.4	46.2	60.2	78.2	46.2
20:00 - 21:00	59.4	80.6	43.3	58.9	79.6	47.6	61.2	78.4	48.2	59.2	82.8	44.2
21:00 - 22:00	57.9	79.4	42.2	57.8	78.1	46.6	64.7	79.9	53.1	61.3	82.1	43.4
22:00 - 23:00	52.8	78.8	41.8	56.6	78.3	46.2	67.6	83.3	58.7	59.9	80.2	47.2
23:00 - 00:00	55.8	79.9	40.4	51.8	77.8	46.0	59.3	77.2	52.1	52.9	78.6	46.1
Leq 24 hr	58.8	-	-	57.7	-	-	60.4	-	-	60.3	-	70
Ldn	60.7	-	-	60.4	-	-	66.2	-	-	66.9	-	-
Lmax	-	101.2	-	-	87.6	-	-	96.5	-	-	89.0	-
												115

Source : * The Notification of Environmental Board No.15, B.E. 2540 (1997)



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Report No. : 2022-5003734-3 / 003-5 (Page 2 of 3)

Issued date : January 11, 2023

CLIENT : AIRPORTS OF THAILAND PUBLIC COMPANY LIMITED
CONTACT ADDRESS : [Redacted]

Analysis Report

SAMPLE DESIGNATED AS : Noise Level
MEASUREMENT LOCATION : กรุงเทพมหานคร
MEASUREMENT DATE : October 13-19, 2022
CALIBRATION DATA : Model CR-515, Cirrus Research plc, Serial No. 80411
SOUND LEVEL METER NO. : Model CR-161B, Cirrus Research plc, Serial No. G079771

Time	Noise Level [dB(A)]										Standard*
	October 17, 2022		October 18, 2022		October 19, 2022		October 19, 2022		October 19, 2022		
	Leq	L90	Leq	Lmax	Leq	L90	Leq	Lmax	Leq	Lmax	
00:00 - 01:00	48.3	53.4	45.5	59.1	79.1	54.0	50.7	74.2	45.4		
01:00 - 02:00	48.2	60.9	45.4	55.9	70.1	50.5	51.9	75.6	44.5		
02:00 - 03:00	60.1	75.1	45.5	63.0	71.9	52.4	55.1	74.4	44.0		
03:00 - 04:00	53.7	70.3	44.8	50.9	59.0	47.6	65.0	75.4	48.9		
04:00 - 05:00	46.8	57.2	44.7	48.5	57.3	45.2	62.4	73.1	48.7		
05:00 - 06:00	56.2	74.3	45.3	49.3	60.3	45.7	48.9	63.7	46.7		
06:00 - 07:00	57.0	74.1	45.4	49.6	63.8	45.0	64.7	75.3	51.7		
07:00 - 08:00	56.6	79.3	45.3	68.1	78.8	47.8	61.8	80.0	45.5		
08:00 - 09:00	61.3	80.1	44.8	60.5	78.8	48.8	68.3	78.1	58.4		
09:00 - 10:00	58.6	78.7	43.9	61.4	80.2	48.3	59.4	79.5	45.9		
10:00 - 11:00	63.0	79.7	46.4	59.6	79.0	45.8	63.1	80.1	44.2		
11:00 - 12:00	59.4	79.3	47.2	57.5	79.0	44.2	65.5	79.5	58.2		
12:00 - 13:00	63.4	82.5	55.2	62.6	81.5	42.4	62.6	81.3	48.5		
13:00 - 14:00	61.1	78.7	52.2	61.7	78.7	43.7	59.1	79.0	45.9		
14:00 - 15:00	60.4	81.1	48.2	57.1	78.1	43.6	57.9	79.5	44.8		
15:00 - 16:00	57.1	79.9	44.2	61.0	77.7	46.8	61.1	83.8	50.9		
16:00 - 17:00	60.8	80.2	45.7	68.2	87.9	55.4	57.4	78.1	44.0		
17:00 - 18:00	60.4	80.4	49.6	67.2	86.1	53.6	65.6	80.6	48.4		
18:00 - 19:00	59.8	80.6	49.2	62.2	79.5	50.7	58.1	79.8	47.7		
19:00 - 20:00	61.2	83.8	49.7	61.5	79.8	51.4	64.5	78.5	50.5		
20:00 - 21:00	63.7	80.8	51.9	58.0	82.5	48.2	65.9	83.4	51.5		
21:00 - 22:00	57.0	78.0	50.2	60.4	77.5	48.8	60.1	78.4	49.4		
22:00 - 23:00	66.5	79.3	50.9	56.0	79.4	47.1	57.9	79.0	48.4		
23:00 - 00:00	64.5	74.9	55.0	52.4	76.9	45.9	63.3	78.2	48.3		
Leq 24 hr	60.6	-	-	61.8	-	-	62.5	-	-	70	
Lmax	66.8	-	83.8	84.9	-	87.9	-	87.8	-	115	

Source : * Notification of the National Environment Board No.15, B.E. 2540 (1997).



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Report No. : 2022-5003734-3 / 003-5 (Page 3 of 3)

Issued date : January 11, 2023

CLIENT : AIRPORTS OF THAILAND PUBLIC COMPANY LIMITED

CONTACT

ADDRESS

Analysis Report

SAMPLE DESIGNATED AS : Noise Level MEASUREMENT DATE : October 13-19, 2022

MEASUREMENT LOCATION : บริษัทท่าอากาศยานไทย จำกัด (มหาชน) MEASUREMENT BY : [REDACTED]

CALIBRATION DATA : Model CR-515, Cirrus Research plc, Serial No. 80411

SOUND LEVEL METER NO. : Model CR-161B, Cirrus Research plc, Serial No. G079771

Calibration Value Reference: 94.0 dB(A), Pre Cal.: 93.8 dB(A), Post Cal.: 93.8 dB(A)

Date	Time	Noise Level [dB(A)]					No. of Flight (Event)				
		Leq 24 hr	Lmax	Ldn	NEF	Nd	ARR	DEP	ARR	DEP	n
13/10/2022	00:00-00:00	58.8	101.2	60.7	22.3	82	4	3	2	2	91
14/10/2022	00:00-00:00	57.7	87.6	60.4	22.7	85	8	2	5	5	100
15/10/2022	00:00-00:00	60.4	96.5	66.2	23.0	82	3	6	0	0	91
16/10/2022	00:00-00:00	60.3	89.0	66.9	24.1	89	3	8	0	0	100
17/10/2022	00:00-00:00	60.6	83.8	66.8	22.1	81	2	2	1	1	86
18/10/2022	00:00-00:00	61.8	87.9	64.9	21.6	69	2	4	0	0	75
19/10/2022	00:00-00:00	62.5	83.8	67.8	22.6	78	2	4	1	1	85

Remark : Nd = จำนวนเหตุการณ์เสียงรบกวน ในช่วงเวลา 07:00-22:00 น.

Nn = จำนวนเหตุการณ์เสียงรบกวน ในช่วงเวลา 22:00-07:00 น.

n = จำนวนเหตุการณ์เสียงรบกวนทั้งหมด

ARR = เที่ยวบินเข้า (Arrival)

DEP = เที่ยวบินออก (Departure)



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Report No. : 2022-5003734-3 / 003-6 (Page 1 of 3)

Issued date : January 11, 2023

CLIENT : AIRPORTS OF THAILAND PUBLIC COMPANY LIMITED

CONTACT

ADDRESS

Analysis Report

SAMPLE DESIGNATED AS : Noise Level

MEASUREMENT DATE : October 13-19, 2022

MEASUREMENT LOCATION : บริษัทท่าอากาศยานไทย จำกัด (มหาชน) P MEASUREMENT BY : [REDACTED]

CALIBRATION DATA : Model CR-515, Cirrus Research plc, Serial No. 80411

SOUND LEVEL METER NO. : Model CR-161B, Cirrus Research plc, Serial No. G080140

Calibration Value Reference: 94.0 dB(A), Pre Cal.: 93.8 dB(A), Post Cal.: 93.8 dB(A)

Time	Noise Level [dB(A)]										Standard*
	Leq	Lmax	L90	Leq	Lmax	L90	Leq	Lmax	L90	Leq	L90
00:00 - 01:00	63.6	91.7	46.5	68.5	97.8	49.2	59.3	81.9	49.9	66.0	50.6
01:00 - 02:00	57.5	80.9	47.1	54.8	88.5	48.8	57.1	80.4	49.7	56.1	50.5
02:00 - 03:00	57.1	73.8	50.0	54.1	68.2	49.5	55.1	70.1	49.7	54.6	67.3
03:00 - 04:00	55.1	70.7	43.3	56.5	72.3	50.1	54.8	64.8	48.6	55.7	69.4
04:00 - 05:00	56.2	75.7	44.4	54.9	71.2	49.0	54.0	70.1	47.3	54.5	68.2
05:00 - 06:00	59.2	84.2	47.5	59.0	76.6	49.5	60.5	83.8	49.6	59.8	51.2
06:00 - 07:00	63.8	88.7	46.9	63.5	87.8	51.0	62.9	84.0	49.1	63.2	84.8
07:00 - 08:00	64.0	82.8	50.9	65.6	88.8	49.5	65.1	89.9	49.9	65.4	86.9
08:00 - 09:00	67.6	85.6	56.1	66.0	90.8	52.2	64.3	85.1	52.2	65.2	87.8
09:00 - 10:00	66.1	88.2	51.0	63.3	78.8	52.9	63.7	79.2	51.8	63.5	76.2
10:00 - 11:00	63.4	79.5	50.8	63.1	79.1	51.9	65.4	88.0	53.2	64.4	65.0
11:00 - 12:00	64.5	87.8	52.6	66.0	80.1	53.4	62.0	79.4	50.7	64.5	77.2
12:00 - 13:00	64.5	82.0	54.6	64.3	85.4	48.9	64.5	82.2	50.9	64.4	82.4
13:00 - 14:00	63.0	81.5	55.8	65.2	88.1	52.2	64.4	90.4	50.9	64.8	87.5
14:00 - 15:00	65.2	86.1	56.2	64.0	89.7	49.4	62.0	79.0	48.7	63.2	86.7
15:00 - 16:00	66.9	89.4	56.5	65.0	84.4	52.7	62.4	80.3	48.6	63.9	81.4
16:00 - 17:00	61.5	78.2	50.2	66.9	84.2	59.8	62.6	78.3	48.7	65.2	59.1
17:00 - 18:00	62.6	80.1	49.4	64.7	84.4	51.5	63.6	83.5	52.4	64.2	81.4
18:00 - 19:00	61.8	78.8	47.2	62.1	80.3	49.6	61.5	79.6	48.6	61.8	77.4
19:00 - 20:00	62.7	81.5	50.8	61.3	81.7	49.0	63.8	82.0	49.0	62.8	79.0
20:00 - 21:00	63.5	83.9	51.6	61.9	80.7	50.0	63.8	79.0	54.2	62.9	77.8
21:00 - 22:00	61.7	79.7	51.6	64.8	87.4	51.5	63.1	77.8	54.5	64.1	84.4
22:00 - 23:00	64.9	84.1	48.2	66.3	90.7	48.5	72.0	97.1	56.8	70.0	94.1
23:00 - 00:00	63.5	84.9	46.3	59.7	84.6	46.7	68.6	91.5	49.9	66.1	88.5
Leq 24 hr	63.5	-	-	63.9	-	-	64.2	-	-	64.1	-
Ldn	68.4	-	-	69.4	-	-	71.2	-	-	70.4	-
Lmax	91.7	-	-	97.8	-	-	97.1	-	-	94.8	-

Source : * The Notification of Environmental Board No.15, B.E. 2540 (1997)



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Report No. : 2022-5003734-3 / 003-6 (Page 2 of 3)

Issued date : January 11, 2023

CLIENT : AIRPORTS OF THAILAND PUBLIC COMPANY LIMITED
CONTACT ADDRESS : [REDACTED]

Analysis Report

SAMPLE DESIGNATED AS : Noise Level
MEASUREMENT LOCATION : บริเวณพื้นที่ก่อสร้างทางวิ่งสนามบินสาย P
MEASUREMENT DATE : October 13-19, 2022
CALIBRATION DATA : Model CR:515, Cirrus Research plc, Serial No. 80411
Calibration Value Reference: 94.0 dB(A), Pre Cal. : 93.8 dB(A), Post Cal. : 93.8 dB(A)
SOUND LEVEL METER NO. : Model CR:161B, Cirrus Research plc, Serial No. G080140

Time	October 17, 2022					October 18, 2022					October 19, 2022					Standard*
	Leq	Lmax	L90	Leq	Lmax	L90	Leq	Lmax	L90	Leq	Lmax	L90	Leq	Lmax	L90	
00:00 - 01:00	63.8	91.8	50.7	62.1	88.8	50.5	60.9	85.6	50.3							
01:00 - 02:00	56.6	79.2	50.2	56.9	79.8	50.0	57.0	80.1	49.9							
02:00 - 03:00	54.9	68.9	50.5	55.0	69.5	50.2	55.1	69.8	50.1							
03:00 - 04:00	55.3	66.6	51.4	55.0	64.2	50.6	54.9	64.5	49.9							
04:00 - 05:00	54.2	68.9	48.7	54.1	69.5	48.3	54.1	69.8	47.9							
05:00 - 06:00	60.2	82.6	51.1	60.3	83.2	50.8	60.4	83.5	50.4							
06:00 - 07:00	63.0	82.8	51.3	62.9	83.4	50.6	62.9	83.7	50.1							
07:00 - 08:00	65.2	88.7	51.3	65.1	89.3	51.1	65.1	89.6	50.9							
08:00 - 09:00	64.8	84.8	54.1	64.5	84.5	53.6	64.4	84.8	53.2							
09:00 - 10:00	63.6	78.0	54.2	63.6	78.6	53.6	63.6	78.9	53.2							
10:00 - 11:00	65.0	86.8	55.4	65.2	87.4	54.9	65.3	87.7	54.4							
11:00 - 12:00	63.4	78.3	54.2	62.7	78.9	53.6	62.4	79.2	53.0							
12:00 - 13:00	64.4	81.0	53.2	64.5	81.6	52.8	64.5	81.9	52.3							
13:00 - 14:00	64.6	89.2	53.7	64.5	89.8	53.1	64.4	90.1	52.5							
14:00 - 15:00	62.6	83.7	51.6	62.3	80.7	51.0	62.2	78.7	50.4							
15:00 - 16:00	63.2	79.1	53.1	62.8	79.7	52.0	62.6	80.0	51.1							
16:00 - 17:00	64.1	78.2	57.3	63.4	77.8	55.7	63.0	78.1	54.1							
17:00 - 18:00	63.9	82.3	55.8	63.8	82.9	55.0	63.7	83.2	54.3							
18:00 - 19:00	61.7	78.4	52.0	61.6	79.0	51.1	61.6	79.3	50.5							
19:00 - 20:00	63.4	80.8	51.3	63.6	81.4	50.9	63.8	81.7	50.4							
20:00 - 21:00	63.4	77.8	54.8	63.6	78.4	54.9	63.7	78.7	54.8							
21:00 - 22:00	63.6	81.4	56.0	63.4	78.4	55.6	63.3	77.5	55.4							
22:00 - 23:00	71.2	95.9	59.7	71.6	96.5	59.9	71.8	96.8	56.9							
23:00 - 00:00	67.6	90.3	59.0	68.1	90.9	59.1	68.4	91.2	50.1							
Leq 24 hr	64.2	-	-	64.2	-	-	64.2	-	-	70						
Ldn	70.9	-	-	71.0	-	-	71.1	-	-	115						
Lmax	-	95.9	-	-	96.5	-	-	96.8	-	-						

Source : Notification of the National Environment Board No.15, B.E. 2540 (1997).

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Report No. : 2022-5003734-3 / 003-6 (Page 3 of 3)

Issued date : January 11, 2023

CLIENT : AIRPORTS OF THAILAND PUBLIC COMPANY LIMITED
CONTACT ADDRESS : [REDACTED]

Analysis Report

SAMPLE DESIGNATED AS : Noise Level
MEASUREMENT LOCATION : บริเวณพื้นที่ก่อสร้างทางวิ่งสนามบินสาย P
MEASUREMENT DATE : October 13-19, 2022
CALIBRATION DATA : Model CR:515, Cirrus Research plc, Serial No. 80411
Calibration Value Reference: 94.0 dB(A), Pre Cal. : 93.8 dB(A), Post Cal. : 93.8 dB(A)
SOUND LEVEL METER NO. : Model CR:161B, Cirrus Research plc, Serial No. G080140

Date	Time	Noise Level [dB(A)]			No. of Flight (Event)		
		Leq 24 hr	Lmax	Ldn	ARR	DEP	n
13/10/2022	00:00-00:00	63.5	91.7	68.4	23.3	78	27
14/10/2022	00:00-00:00	63.9	97.8	69.4	26.9	78	27
15/10/2022	00:00-00:00	64.2	97.1	71.2	27.9	79	17
16/10/2022	00:00-00:00	64.1	94.8	70.4	26.0	59	45
17/10/2022	00:00-00:00	64.2	95.9	70.9	25.1	46	40
18/10/2022	00:00-00:00	64.2	96.5	71.0	23.7	43	32
19/10/2022	00:00-00:00	64.2	96.8	71.1	26.1	41	35

Remark : N_d = จำนวนเหตุการณ์ที่เกินค่ามาตรฐาน ในช่วงเวลา 07.00-22.00 น.
N_n = จำนวนเหตุการณ์ที่เกินค่ามาตรฐาน ในช่วงเวลา 22.00-07.00 น.
n = จำนวนเหตุการณ์ที่เกินค่ามาตรฐานทั้งหมด
ARR = เที่ยวบินเข้า (Arrival)
DEP = เที่ยวบินออก (Departure)



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Report No. : 2022-5003734-3 / 003-7 (Page 1 of 2)

Issued date : January 11, 2023

CLIENT : AIRPORTS OF THAILAND PUBLIC COMPANY LIMITED

CONTACT

ADDRESS

Analysis Report

SAMPLE DESIGNATED AS : Noise Level MEASUREMENT DATE : October 13-19, 2022

MEASUREMENT LOCATION : กรุงเทพมหานคร MEASUREMENT BY :

CALIBRATION DATA : Model CR:515, Cirrus Research plc, Serial No. 80411

SOUND LEVEL METER NO. : Model CR:171B, Cirrus Research plc, Serial No. G0791772

Calibration Value Reference: 94.0 dB(A), Pre Cal. : 93.8 dB(A), Post Cal. : 93.8 dB(A)

Time	Noise Level [dB(A)]										Standard*	
	October 13, 2022		October 14, 2022		October 15, 2022		October 16, 2022		October 17, 2022			
	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax		
00:00 - 01:00	38.3	50.3	35.7	53.0	38.5	40.3	44.0	62.2	39.2	52.8	64.1	45.6
01:00 - 02:00	36.6	50.4	34.7	53.0	37.9	39.1	40.8	53.7	39.9	57.1	64.4	50.6
02:00 - 03:00	37.7	56.5	35.4	53.5	35.0	38.8	41.0	50.3	38.3	61.7	72.6	50.9
03:00 - 04:00	37.5	51.4	35.8	45.3	38.1	38.8	43.1	57.1	38.1	58.3	68.3	52.7
04:00 - 05:00	37.2	45.8	35.9	54.2	39.0	37.3	40.1	45.5	38.9	55.2	67.7	51.7
05:00 - 06:00	39.4	55.4	36.0	63.7	37.5	51.7	58.7	73.3	37.6	48.8	56.6	45.4
06:00 - 07:00	42.0	63.3	37.3	56.6	38.1	39.5	45.5	60.4	41.8	46.4	64.2	44.3
07:00 - 08:00	43.3	58.1	38.9	47.0	53.8	39.7	55.3	75.8	41.7	47.1	69.4	44.2
08:00 - 09:00	43.1	64.0	36.9	52.6	56.8	39.2	48.2	68.8	38.9	49.3	60.7	44.5
09:00 - 10:00	43.1	61.3	35.1	44.5	52.0	38.3	55.2	71.1	38.9	53.7	65.3	45.1
10:00 - 11:00	40.0	57.3	34.1	45.3	51.4	39.2	56.7	70.8	38.4	48.7	65.0	45.6
11:00 - 12:00	40.7	60.1	33.3	54.3	57.0	37.4	53.3	80.3	37.8	52.9	75.2	45.6
12:00 - 13:00	54.1	82.9	32.8	41.3	51.2	34.6	46.8	65.1	36.5	52.2	69.6	45.5
13:00 - 14:00	40.2	59.8	32.7	42.4	58.6	35.0	45.4	62.2	37.4	50.3	64.9	45.5
14:00 - 15:00	39.1	58.5	32.9	42.2	59.8	34.7	42.3	57.9	36.9	54.3	69.2	44.8
15:00 - 16:00	40.6	58.9	34.2	40.7	59.0	35.1	50.7	69.3	37.6	52.1	65.1	44.1
16:00 - 17:00	42.6	68.4	35.0	41.9	60.4	37.1	47.2	62.2	40.4	45.9	62.2	42.5
17:00 - 18:00	43.7	58.6	36.2	42.0	61.7	36.5	47.9	63.7	41.7	48.5	65.1	42.0
18:00 - 19:00	54.1	69.4	36.7	44.9	63.7	39.1	46.5	65.6	40.4	47.7	68.4	44.5
19:00 - 20:00	42.3	61.5	35.4	43.5	59.8	39.9	48.6	68.1	38.2	47.6	65.8	45.0
20:00 - 21:00	43.1	63.9	35.9	43.6	59.2	39.8	59.4	70.1	43.2	47.8	62.8	44.8
21:00 - 22:00	43.5	60.7	36.7	42.1	59.4	39.4	60.4	69.5	46.2	59.0	76.8	45.6
22:00 - 23:00	47.0	69.7	37.8	40.7	61.0	38.2	52.1	72.0	51.0	47.5	63.1	45.1
23:00 - 00:00	69.2	79.5	36.3	40.6	56.1	39.0	52.9	71.1	45.5	49.8	70.1	44.2
Leq 24 hr	55.8	-	-	52.7	-	-	54.3	-	-	53.9	-	70
Ldn	82.9	-	-	87.0	-	-	80.3	-	-	81.9	-	115
Lmax	-	-	-	-	-	-	-	-	-	-	-	-

Source : * The Notification of Environmental Board No.15, B.E. 2540 (1997)

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Report No. : 2022-5003734-3 / 003-7 (Page 2 of 2)

Issued date : January 11, 2023

CLIENT : AIRPORTS OF THAILAND PUBLIC COMPANY LIMITED

CONTACT

ADDRESS

Analysis Report

SAMPLE DESIGNATED AS : Noise Level MEASUREMENT DATE : October 13-19, 2022

MEASUREMENT LOCATION : กรุงเทพมหานคร MEASUREMENT BY :

CALIBRATION DATA : Model CR:515, Cirrus Research plc, Serial No. 80411

SOUND LEVEL METER NO. : Model CR:171B, Cirrus Research plc, Serial No. G0791772

Calibration Value Reference: 94.0 dB(A), Pre Cal. : 93.8 dB(A), Post Cal. : 93.8 dB(A)

Time	Noise Level [dB(A)]										Standard*
	October 17, 2022		October 18, 2022		October 19, 2022		October 19, 2022		October 19, 2022		
	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	
00:00 - 01:00	45.5	64.9	42.0	57.4	67.5	51.6	42.8	59.0	38.2	59.0	38.2
01:00 - 02:00	44.0	55.7	42.6	56.1	55.3	43.3	39.2	52.0	37.0	52.0	37.0
02:00 - 03:00	53.6	72.1	42.2	61.6	58.6	44.4	51.0	65.8	37.6	65.8	37.6
03:00 - 04:00	43.5	53.2	41.9	44.0	84.8	43.3	63.1	74.4	37.0	74.4	37.0
04:00 - 05:00	43.6	58.6	41.7	43.9	55.8	43.4	58.5	71.4	39.7	58.5	71.4
05:00 - 06:00	55.6	80.2	40.5	44.4	60.3	42.8	46.9	62.6	41.2	46.9	62.6
06:00 - 07:00	52.8	73.1	40.3	44.4	66.3	41.9	64.8	77.1	41.5	64.8	77.1
07:00 - 08:00	47.2	67.7	41.0	61.7	65.6	44.1	57.6	73.2	41.0	57.6	73.2
08:00 - 09:00	47.0	69.3	40.2	54.5	90.7	42.3	61.8	75.0	43.5	61.8	75.0
09:00 - 10:00	45.6	67.2	38.7	54.9	63.1	42.5	53.2	68.2	40.9	53.2	68.2
10:00 - 11:00	55.1	73.4	42.7	53.3	68.6	40.8	59.4	78.7	42.2	59.4	78.7
11:00 - 12:00	53.6	75.1	43.5	53.8	68.6	38.2	58.7	70.9	47.9	58.7	70.9
12:00 - 13:00	56.6	75.1	47.6	56.8	65.7	37.9	57.4	89.6	45.1	57.4	89.6
13:00 - 14:00	59.1	72.1	49.3	48.6	65.6	38.0	48.8	60.4	39.5	48.8	60.4
14:00 - 15:00	53.6	68.0	44.6	42.1	72.2	36.9	48.0	61.8	40.0	48.0	61.8
15:00 - 16:00	55.5	73.1	43.4	57.9	68.1	37.9	59.2	74.9	48.5	59.2	74.9
16:00 - 17:00	53.2	69.4	40.8	55.2	72.8	44.0	64.8	40.0	44.8	64.8	40.0
17:00 - 18:00	54.7	65.7	45.3	54.2	68.6	42.8	67.1	79.7	44.8	67.1	79.7
18:00 - 19:00	50.1	66.7	43.7	48.9	70.5	40.1	48.7	64.5	43.0	48.7	64.5
19:00 - 20:00	54.6	70.9	41.2	44.8	73.2	40.7	65.1	79.2	44.5	65.1	79.2
20:00 - 21:00	57.1	74.8	42.1	46.6	69.2	40.5	64.6	76.3	44.6	64.6	76.3
21:00 - 22:00	46.4	65.2	40.6	49.6	65.8	40.3	53.5	68.3	44.0	53.5	68.3
22:00 - 23:00	65.8	76.6	40.6	46.7	67.4	40.1	51.7	70.0	42.7	51.7	70.0
23:00 - 00:00	59.0	73.9	40.6	52.2	65.1	37.8	54.5	71.6	41.5	54.5	71.6
Leq 24 hr	56.0	-	-	61.2	-	54.8	-	59.9	-	59.9	-
Ldn	63.9	-	-	-	-	61.2	-	65.3	-	65.3	-
Lmax	-	80.2	-	-	84.6	-	-	89.6	-	89.6	-
Standard*	-	-	-	-	-	-	-	-	-	-	70
	-	-	-	-	-	-	-	-	-	-	115

Source : * Notification of the National Environment Board No.15, B.E. 2540 (1997).

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ผลการตรวจวัดคุณภาพน้ำทะเลชายฝั่ง



Report No. : 2022-5003734-3 / 001-1 (Page 1 of 2) Issued date: December 23, 2022

CLIENT : AIRPORTS OF THAILAND PUBLIC COMPANY LIMITED

CONTACT ADDRESS

Analysis Report

SAMPLE DESIGNATED AS : Sea Water Quality

SAMPLING DATE : December 7, 2022

SAMPLING METHOD : Grab Sampling

SAMPLING TIME : 10.08 hr.

SAMPLING LOCATION : บริเวณปลายท่อระบายน้ำทางฝั่งด้าน 09

SAMPLING BY

LABORATORY NAME : SGS (Thailand) Limited

Parameter	Unit	Method	Result	Standard ^{1/}
Temperature	°C	APHA, 2550 B	29.4	n*
pH	-	APHA, 4500-H* B	8.2	7.0-8.5
Turbidity	NTU	APHA, 2130 B	<0.50	-
Salinity	ppt	APHA, 2520 B	32.5	*
Transparency	m.	Secchi Disc	7.2	**
SS	mg/l	APHA, 2540 D	0.9	***
TDS	mg/l	APHA, 2540 C	34,600	-
Fat, Oil & Grease (FOG)	mg/l	APHA, 5520 B	<2	-
DO	mg/l	APHA, 4500-O C	6.60	Not less than 6.0
TOC	mg/l	APHA, 9060 A	2.3	-
Nitrate-Nitrogen	µg-N/l	APHA, 4110 B	<0.005	Not more than 20.0
Phosphate-Phosphorus	µg-P/l	APHA, 4500 P E	<0.03	Not more than 15.0
Total Coliform Bacteria	MPN/100 ml	APHA. 9221 B	<1.8	Not more than 1,000
Fecal Coliform Bacteria	CFU/100 ml	APHA. 9222 D	<1	Not more than 70

Remarks : - Analytical Methods followed to Standard Methods for the Examination of Water and Wastewater, recommended by APHA-AWWA-WEF.

n* = Temperature not change from natural condition.

* = The results not be changed more than 10% of lowest sanitary.

** = Decrease from natural condition not more than 10% of lowest transparency.

*** = The results should not be changed by more than the sum of diary or monthly or yearly average and the standard deviation.

Source : ^{1/} Notification of the National Environmental Board, B.E. 2560: The standard value of Marine Water Quality for class 2.

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Report No. : 2022-5003734-3 / 001-1 (Page 2 of 2) Issued date: December 23, 2022

CLIENT : AIRPORTS OF THAILAND PUBLIC COMPANY LIMITED

CONTACT ADDRESS

Analysis Report

SAMPLE DESIGNATED AS : Sea Water Quality

SAMPLING DATE : December 7, 2022

SAMPLING METHOD : Grab Sampling

SAMPLING TIME : 10.20 hr.

SAMPLING LOCATION : บริเวณปลายท่อระบายน้ำด้านทิศใต้

SAMPLING BY :

LABORATORY NAME : SGS (Thailand) Limited

Parameter	Unit	Method	Result	Standard ^{1/}
Temperature	°C	APHA, 2550 B	29.3	n*
pH	-	APHA, 4500-H ⁺ B	8.2	7.0-8.5
Turbidity	NTU	APHA, 2130 B	<0.50	-
Salinity	ppt	APHA, 2520 B	32.7	*
Transparency	m.	Secchi Disc	8.0	**
SS	mg/l	APHA, 2540 D	1.3	***
TDS	mg/l	APHA, 2540 C	34,800	-
Fat, Oil & Grease (FOG)	mg/l	APHA, 5520 B	<2	-
DO	mg/l	APHA, 4500-O C	6.40	Not less than 6.0
TOC	mg/l	APHA, 9060 A	2.1	-
Nitrate-Nitrogen	µg-N/l	APHA, 4110 B	<0.005	Not more than 20.0
Phosphate-Phosphorus	µg-P/l	APHA, 4500 P E	<0.03	Not more than 15.0
Total Coliform Bacteria	MPN/100 ml	APHA. 9221 B	<1.8	Not more than 1,000
Fecal Coliform Bacteria	CFU/100 ml	APHA. 9222 D	<1	Not more than 70

Remarks : - Analytical Methods followed to Standard Methods for the Examination of Water and Wastewater, recommended by APHA-AWWA-WEF.

n* = Temperature not change from natural condition.

* = The results not be changed more than 10% of lowest sanitary.

** = Decrease from natural condition not more than 10% of lowest transparency.

*** = The results should not be changed by more than the sum of daily or monthly or yearly average and the standard deviation.

Source : ^{1/} Notification of the National Environmental Board, B.E. 2560: The standard value of Marine Water Quality for class 2.

TY/MM/KK/KK

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ผลการตรวจวัดคุณภาพน้ำผิวดิน



Report No. : 2022-5003734-3 / 001-2 (Page 1 of 2)

Issued date: November 3, 2022

CLIENT : AIRPORTS OF THAILAND PUBLIC COMPANY LIMITED

**CONTACT
ADDRESS**

Analysis Report

SAMPLE DESIGNATED AS : Surface Water Quality

SAMPLING DATE : October 18, 2022

SAMPLING METHOD : Grab Sampling

SAMPLING TIME : 11.00 hr.

**SAMPLING LOCATION : สระเก็บน้ำดิบสำหรับทำน้ำประปา
บ่อเก็บน้ำดิบ 1 (บ่อดิน)**

SAMPLING BY

LABORATORY NAME : SGS (Thailand) Limited

Parameter	Unit	Method	Result	Standard ^{1/}
Temperature	°C	APHA, 2550 B	26.2	n*
pH	-	APHA, 4500-H* B	7.1	5.0-9.0
Turbidity	NTU	APHA, 2130 B	16	-
SS	mg/l	APHA, 2540 D	6.3	-
DO	mg/l	APHA, 4500-O C	8.7	Not less than 4.0
BOD	mg/l	APHA, 5210 B	3.0	Not more than 2.0
Fat, Oil & Grease (FOG)	mg/l	APHA, 5520 B	<2	-
Phosphate-Phosphorus	µg-P/l	APHA, 45000 P E	<0.03	-
Nitrate-Nitrogen	mg/l	APHA, 4500-NO ₃ E	0.807	Not more than 5.0
Total Coliform Bacteria	MPN/100 ml	APHA, 9221 B	4,900	Not more than 20,000
Fecal Coliform Bacteria	MPN/100 ml	APHA, 9221 E	790	Not more than 4,000

Remarks : Analytical Methods followed to Standard Methods for the Examination of Water and Wastewater, recommended by APHA-AWWA-WEF.

n* = Temperature naturally but changing not more than 3 °C

Source : ^{1/} Surface Water Quality, Notification of the National Environmental Board No. 8, B.E. 2537(1994).
Classification of Standard is Class 3 meaning medium clean fresh surface water resources used for :
(1) Consumption, but passing through an ordinary treatment process before use.
(2) Agriculture.

TY/MM/STT/STT



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Report No. : 2022-5003734-3 / 001-2 (Page 2 of 2)

Issued date: November 3, 2022

CLIENT : AIRPORTS OF THAILAND PUBLIC COMPANY LIMITED

CONTACT ADDRESS

Analysis Report

SAMPLE DESIGNATED AS : Surface Water Quality

SAMPLING DATE : October 18, 2022

SAMPLING METHOD : Grab Sampling

SAMPLING TIME : 11.20 hr.

**SAMPLING LOCATION : สระเก็บน้ำดิบสำหรับทำน้ำประปา:
บ่อเก็บน้ำดิบ 2 (บ่อซีเมนต์)**

SAMPLING BY

LABORATORY NAME : SGS (Thailand) Limited

Parameter	Unit	Method	Result	Standard ^{1/}
Temperature	°C	APHA, 2550 B	26.1	n*
pH	-	APHA, 4500-H ⁺ B	7.0	5.0-9.0
Turbidity	NTU	APHA, 2130 B	4.9	-
SS	mg/l	APHA, 2540 D	<2.5	-
DO	mg/l	APHA, 4500-O C	8.5	Not less than 4.0
BOD	mg/l	APHA, 5210 B	4.0	Not more than 2.0
Fat, Oil & Grease (FOG)	mg/l	APHA, 5520 B	<2	-
Phosphate-Phosphorus	µg-P/l	APHA, 45000 P E	<0.03	-
Nitrate-Nitrogen	mg/l	APHA, 4500-NO ₃ E	<0.005	Not more than 5.0
Total Coliform Bacteria	MPN/100 ml	APHA, 9221 B	490	Not more than 20,000
Fecal Coliform Bacteria	MPN/100 ml	APHA, 9221 E	33	Not more than 4,000

Remarks : Analytical Methods followed to Standard Methods for the Examination of Water and Wastewater, recommended by APHA-AWWA-WEF.

n* = Temperature naturally but changing not more than 3 °C

Source : ^{1/} Surface Water Quality, Notification of the National Environmental Board No. 8, B.E. 2537(1994).
Classification of Standard is Class 3 meaning medium clean fresh surface water resources used for :
(1) Consumption, but passing through an ordinary treatment process before use.
(2) Agriculture.

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Report No. : 2022-5003734-3 / 001-3 (Page 1 of 1)

Issued date: November 3, 2022

CLIENT : AIRPORTS OF THAILAND PUBLIC COMPANY LIMITED
CONTACT ADDRESS

Analysis Report

SAMPLE DESIGNATED AS : Ground Water Quality
SAMPLING METHOD : Grab Sampling
SAMPLING LOCATION : บ่อพักน้ำบาดาลของท่าอากาศยานภูเก็ต
LABORATORY NAME : SGS (Thailand) Limited
SAMPLING DATE : October 18, 2022
SAMPLING TIME : 13.25 hr.
SAMPLING BY

Parameter	Unit	Method	Result	Standard ^{1/}	
				Suitable Allowance	Maximum Allowable
Temperature	°C	APHA, 2550 B	29.9	-	-
pH	-	APHA, 4500-H ⁺ B	6.6	7.0-8.5	6.5-9.2
Conductivity	µs/cm	APHA, 2510 B	258	-	-
Turbidity	NTU	APHA, 2130 B	2.7	5	20
SS	mg/l	APHA, 2540 D	<2.5	-	-
TDS	mg/l	APHA, 2540 C	147	≧600	1,200
Total Hardness (as CaCO ₃)	mg/l	APHA, 2340 C	83	≧300	500
Nitrate-Nitrogen	mg/l	APHA, 4110 B	4.40	≧45	45
Sulfate	mg/l	APHA, 4500-SO ₄ E	20	≧200	250
Chloride	mg/l	APHA, 4500-Cl G	<0.01	≧250	600
Iron	mg/l	APHA, 3125 B	2.070	≧0.5	1.0
Manganese	mg/l	APHA, 3125 B	0.064	≧0.3	0.5
Total Coliform Bacteria	MPN/100 ml	APHA, 9221 B	1.1	≧2.2	-
Fecal Coliform Bacteria	MPN/100 ml	APHA, 9221 E	1.1	-	-
<i>E.Coli</i>	MPN/100 ml	APHA, 9221 F	1.1	none	-

Remarks : - Analytical Methods followed to Standard Methods for the Examination of Water and Wastewater, recommended by APHA-AWWA-WEF.

Source : ^{1/} = Not more than
Notification of the Ministry of Natural Resources and Environment : Technical Criteria and Measures to Prevent Public Health and Environment Hazard B.E. 2551 (2008), issued under the Ground Water Act B.E. 2520 (1977), published in the Royal Gazette, Vol. 125, Special Part 85 D, dated May 21, B.E. 2551 (2008).

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