

ผลการตรวจวัดคุณภาพอากาศภายนอกอาคาร

Report No. : 2022-5005489-2 / 002 (Page 1 of 7) Issued date : December 02, 2022

CLIENT : GRANDE ASSET HOTELS AND PROPERTY PUBLIC COMPANY LIMITED
CONTACT : Khun Suwit Polrachom
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 Tel.02-098-1262 Email: suwit.polrachom@hyatt.com

Analysis Report

SAMPLE DESIGNATED AS : Ambient Air Quality **SAMPLING DATE :** November 5-6, 2022
SAMPLING LOCATION : Hyatt Regency Bangkok

Date	Parameters		
	TSP (mg/m ³)	PM-10 (mg/m ³)	THC (ppm)
November 5-6, 2022	0.068	0.046	3.79
Standard*	0.33	0.12	-

Source: * The notification of the National Environment Board No.24, B.E. 2547 (2004), subjected "The ambient air standards", published in the Royal Government Gazette, Vol. 121, Part 104D, dated September 22, B.E. 2547 (2004)

Thepsan
 (Thepsan Yommana)
 Technical Manager

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SGS (THAILAND) LIMITED



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Analysis Report

SAMPLE DESIGNATED AS : Ambient Air Quality
SAMPLING LOCATION : Hyatt Regency Bangkok
SAMPLING DATE : November 5-6, 2022

Date	Time	NO ₂ Concentration (ppm)
05-Nov-2022	10:00-11:00 hrs.	0.013
05-Nov-2022	11:00-12:00 hrs.	0.011
05-Nov-2022	12:00-13:00 hrs.	0.010
05-Nov-2022	13:00-14:00 hrs.	0.009
05-Nov-2022	14:00-15:00 hrs.	0.009
05-Nov-2022	15:00-16:00 hrs.	0.008
05-Nov-2022	16:00-17:00 hrs.	0.007
05-Nov-2022	17:00-18:00 hrs.	0.008
05-Nov-2022	18:00-19:00 hrs.	0.008
05-Nov-2022	19:00-20:00 hrs.	0.008
05-Nov-2022	20:00-21:00 hrs.	0.008
05-Nov-2022	21:00-22:00 hrs.	0.008
05-Nov-2022	22:00-23:00 hrs.	0.008
05-Nov-2022	23:00-00:00 hrs.	0.008
06-Nov-2022	00:00-01:00 hrs.	0.008
06-Nov-2022	01:00-02:00 hrs.	0.008
06-Nov-2022	02:00-03:00 hrs.	0.008
06-Nov-2022	03:00-04:00 hrs.	0.009
06-Nov-2022	04:00-05:00 hrs.	0.009
06-Nov-2022	05:00-06:00 hrs.	0.009
06-Nov-2022	06:00-07:00 hrs.	0.010
06-Nov-2022	07:00-08:00 hrs.	0.012
06-Nov-2022	08:00-09:00 hrs.	0.012
06-Nov-2022	09:00-00:00 hrs.	0.012
1 hr-Minimum		0.007
1 hr-Maximum		0.013
Standard* (avg. 1 hr)		0.17

Analytical Method : - Chemiluminescence Method
Source : * The notification of the National Environment Board No.33, B.E. 2552 (2009), subjected "The nitrogen dioxide in ambient air standards", published in the Royal Government Gazette, Vol. 126, Special part 114D, dated August 14, B.E. 2552 (2009).

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Analysis Report

SAMPLE DESIGNATED AS : Ambient Air Quality
SAMPLING LOCATION : Hyatt Regency Bangkok

SAMPLING DATE : November 5-6, 2022

Date	Time	SO ₂ Concentration (ppm)
05-Nov-2022	10:00-11:00 hrs.	0.002
05-Nov-2022	11:00-12:00 hrs.	0.001
05-Nov-2022	12:00-13:00 hrs.	0.002
05-Nov-2022	13:00-14:00 hrs.	0.002
05-Nov-2022	14:00-15:00 hrs.	0.002
05-Nov-2022	15:00-16:00 hrs.	0.003
05-Nov-2022	16:00-17:00 hrs.	0.003
05-Nov-2022	17:00-18:00 hrs.	0.003
05-Nov-2022	18:00-19:00 hrs.	0.002
05-Nov-2022	19:00-20:00 hrs.	0.002
05-Nov-2022	20:00-21:00 hrs.	0.003
05-Nov-2022	21:00-22:00 hrs.	0.004
05-Nov-2022	22:00-23:00 hrs.	0.002
05-Nov-2022	23:00-00:00 hrs.	0.002
06-Nov-2022	00:00-01:00 hrs.	0.002
06-Nov-2022	01:00-02:00 hrs.	0.003
06-Nov-2022	02:00-03:00 hrs.	0.003
06-Nov-2022	03:00-04:00 hrs.	0.002
06-Nov-2022	04:00-05:00 hrs.	0.002
06-Nov-2022	05:00-06:00 hrs.	0.002
06-Nov-2022	06:00-07:00 hrs.	0.002
06-Nov-2022	07:00-08:00 hrs.	0.002
06-Nov-2022	08:00-09:00 hrs.	0.002
06-Nov-2022	09:00-00:00 hrs.	0.001
1 hr-Minimum		0.001
1 hr-Maximum		0.004
Avg. 24 hrs		0.002
Standard* (avg. 1 hr)		0.30
Standard** (avg. 24 hrs)		0.12

Analytical Method : - UV Fluorescence Method
Sources : * The notification of the National Environment Board No.21, B.E. 2544 (2001), subjected "The sulfur dioxide in ambient air standards", published in the Royal Government Gazette, Vol. 118, Part 39D, dated April 30, B.E. 2544 (2001).
 ** The notification of the National Environment Board No.24, B.E. 2547 (2004), subjected "The ambient air standards", published in the Royal Government Gazette, Vol. 121, Part 104D, dated September 22, B.E. 2547 (2004)

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Analysis Report

SAMPLE DESIGNATED AS : Ambient Air Quality
SAMPLING LOCATION : Hyatt Regency Bangkok
SAMPLING DATE : November 5-6, 2022

Date	Time	CO Concentration (ppm)
05-Nov-2022	10:00-11:00 hrs.	0.837
05-Nov-2022	11:00-12:00 hrs.	0.828
05-Nov-2022	12:00-13:00 hrs.	0.802
05-Nov-2022	13:00-14:00 hrs.	0.793
05-Nov-2022	14:00-15:00 hrs.	0.949
05-Nov-2022	15:00-16:00 hrs.	0.854
05-Nov-2022	16:00-17:00 hrs.	0.818
05-Nov-2022	17:00-18:00 hrs.	0.840
05-Nov-2022	18:00-19:00 hrs.	0.841
05-Nov-2022	19:00-20:00 hrs.	0.813
05-Nov-2022	20:00-21:00 hrs.	0.789
05-Nov-2022	21:00-22:00 hrs.	0.869
05-Nov-2022	22:00-23:00 hrs.	0.886
05-Nov-2022	23:00-00:00 hrs.	0.916
06-Nov-2022	00:00-01:00 hrs.	0.922
06-Nov-2022	01:00-02:00 hrs.	0.866
06-Nov-2022	02:00-03:00 hrs.	0.839
06-Nov-2022	03:00-04:00 hrs.	0.813
06-Nov-2022	04:00-05:00 hrs.	0.788
06-Nov-2022	05:00-06:00 hrs.	0.950
06-Nov-2022	06:00-07:00 hrs.	0.920
06-Nov-2022	07:00-08:00 hrs.	0.815
06-Nov-2022	08:00-09:00 hrs.	0.874
06-Nov-2022	09:00-00:00 hrs.	0.816
1 hr-Minimum		0.788
1 hr-Maximum		0.950
Avg. 8 hrs	00:00-08:00	0.864
	08:00-16:00	0.844
	16:00-00:00	0.847
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.E.2538 (1995), dated April 17, B.E.2538 (1995).

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Analysis Report

SAMPLE DESIGNATED AS : Ambient Air Quality **SAMPLING DATE :** November 5-6, 2022
SAMPLING LOCATION : Hyatt Regency Bangkok

Date	Time	November 5-6, 2022	
		WD	WS (m/s)
05-Nov-2022	10:00-11:00 hrs.	-	Calm
05-Nov-2022	11:00-12:00 hrs.	-	Calm
05-Nov-2022	12:00-13:00 hrs.	N	0.9
05-Nov-2022	13:00-14:00 hrs.	-	Calm
05-Nov-2022	14:00-15:00 hrs.	-	Calm
05-Nov-2022	15:00-16:00 hrs.	-	Calm
05-Nov-2022	16:00-17:00 hrs.	-	Calm
05-Nov-2022	17:00-18:00 hrs.	-	Calm
05-Nov-2022	18:00-19:00 hrs.	-	Calm
05-Nov-2022	19:00-20:00 hrs.	-	Calm
05-Nov-2022	20:00-21:00 hrs.	-	Calm
05-Nov-2022	21:00-22:00 hrs.	-	Calm
05-Nov-2022	22:00-23:00 hrs.	-	Calm
05-Nov-2022	23:00-00:00 hrs.	-	Calm
06-Nov-2022	00:00-01:00 hrs.	-	Calm
06-Nov-2022	01:00-02:00 hrs.	-	Calm
06-Nov-2022	02:00-03:00 hrs.	-	Calm
06-Nov-2022	03:00-04:00 hrs.	-	Calm
06-Nov-2022	04:00-05:00 hrs.	-	Calm
06-Nov-2022	05:00-06:00 hrs.	-	Calm
06-Nov-2022	06:00-07:00 hrs.	-	Calm
06-Nov-2022	07:00-08:00 hrs.	-	Calm
06-Nov-2022	08:00-09:00 hrs.	N	0.9
06-Nov-2022	09:00-00:00 hrs.	N	0.9

Measurement Method : - Wind speed and direction recording meter
Remarks : - WS = Wind Speed
 - WD = Wind Direction

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Analysis Report

SAMPLE DESIGNATED AS : Ambient Air Quality
SAMPLING LOCATION : Hyatt Regency Bangkok

SAMPLING DATE : November 5-6, 2022

Wind Speed 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	12.50	-	-	-	-
NNE	-	-	-	-	-
NE	-	-	-	-	-
ENE	-	-	-	-	-
E	-	-	-	-	-
ESE	-	-	-	-	-
SE	-	-	-	-	-
SSE	-	-	-	-	-
S	-	-	-	-	-
SSW	-	-	-	-	-
SW	-	-	-	-	-
WSW	-	-	-	-	-
W	-	-	-	-	-
WNW	-	-	-	-	-
NW	-	-	-	-	-
NNW	-	-	-	-	-
CALM	87.50				

Measurement Method : - Wind speed and direction recording meter
Remarks : - WS = Wind Speed
 - WD = Wind Direction

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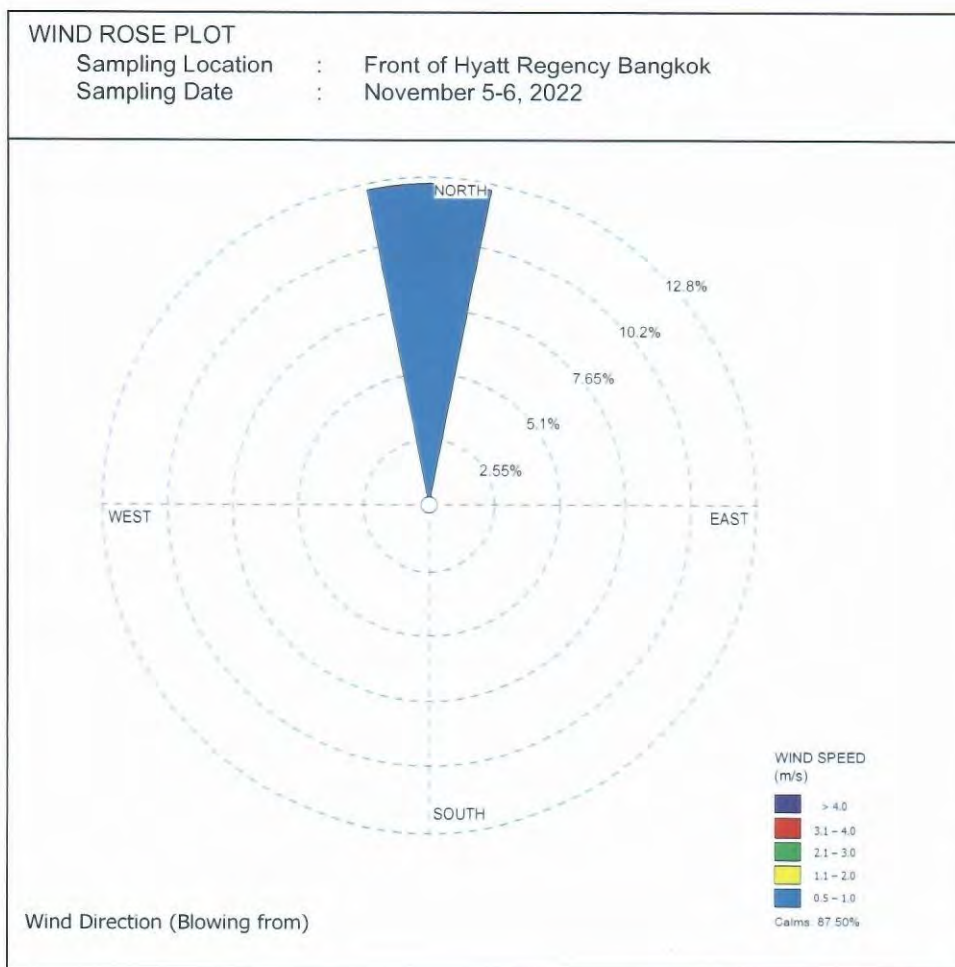
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