

ภาคผนวก ค  
ผลการติดตามตรวจสอบคุณภาพสิ่งแวดล้อม

ภาคผนวก ค-1

ผลการติดตามตรวจสอบคุณภาพอากาศโดยทั่วไป

## ANALYSIS REPORT

**PROJECT NAME** : การตรวจวัดคุณภาพสิ่งแวดล้อม และการตรวจสอบการปฏิบัติตามมาตรฐานการป้องกันและแก้ไขผลกระทบสิ่งแวดล้อม  
โครงการ GRANDE CENTRE POINT HOTEL SUKHUMVIT 55 ประจำปี 2566

**CUSTOMER NAME** : L&H HOTEL MANAGEMENT COMPANY LIMITED

**ADDRESS** : 300 SUKHUMVIT 55 (THONGLOR) KHLONG TAN NUEA WATTHANA BANGKOK 10110

**CONTACT INFORMATION** : TEL : 0 2020 8080, 08 7083 4737 e-mail : boonkhum.b@gcphotels.com

**MEASURING PLACE** : พื้นที่โครงการ

**MEASURING TYPE** : AMBIENT (AIR) **RECEIVED DATE** : JULY 12-13, 2023

**MEASURING DATE** : JULY 12-13, 2023 **ANALYTICAL DATE** : JULY 12-13, 2023

**MEASURING TIME** : \* **REPORT NO.** : 2023-U058998

**MEASURING METHOD** : NON-DISPERSIVE INFRARED DETECTION **WORK NO.** : 2022-008320

**MEASURED BY** : [REDACTED] **ANALYSIS NO.** : T23AN440-0001

TIME *	RESULT (ppm)
	CARBON MONOXIDE
	พื้นที่โครงการ
	JULY 12 - 13, 2023 T23AN440-0001
10:00-11:00 HOUR	0.99
11:00-12:00 HOUR	0.91
12:00-13:00 HOUR	0.84
13:00-14:00 HOUR	0.88
14:00-15:00 HOUR	0.93
15:00-16:00 HOUR	0.99
16:00-17:00 HOUR	1.05
17:00-18:00 HOUR	1.07
18:00-19:00 HOUR	1.14
19:00-20:00 HOUR	1.18
20:00-21:00 HOUR	1.21
21:00-22:00 HOUR	1.18
22:00-23:00 HOUR	1.16
23:00-00:00 HOUR	1.14
00:00-01:00 HOUR	1.11
01:00-02:00 HOUR	1.09
02:00-03:00 HOUR	1.08
03:00-04:00 HOUR	1.11
04:00-05:00 HOUR	1.13
05:00-06:00 HOUR	1.18
06:00-07:00 HOUR	1.21
07:00-08:00 HOUR	1.23
08:00-09:00 HOUR	1.23
09:00-10:00 HOUR	1.20

LABORATORY SUPERVISOR

JULY 18, 2023



## ANALYSIS REPORT

**PROJECT NAME** : การตรวจวัดคุณภาพสิ่งแวดล้อม และการตรวจสอบการปฏิบัติตามมาตรการป้องกันและแก้ไขผลกระทบสิ่งแวดล้อม  
โครงการ GRANDE CENTRE POINT HOTEL SUKHUMVIT 55 ประจำปี 2566

**CUSTOMER NAME** : L&H HOTEL MANAGEMENT COMPANY LIMITED

**ADDRESS** : 300 SUKHUMVIT 55 (THONGLOR) KHLONG TAN NUEA WATTHANA BANGKOK 10110

**CONTACT INFORMATION** : TEL : 0 2020 8080, 08 7083 4737 e-mail : boonkhum.b@gcphotels.com

**MEASURING PLACE** : พื้นที่โครงการ

**MEASURING TYPE** : AMBIENT (AIR) **RECEIVED DATE** : JULY 12-13, 2023

**MEASURING DATE** : JULY 12-13, 2023 **ANALYTICAL DATE** : JULY 12-13, 2023

**MEASURING TIME** : \* **REPORT NO.** : 2023-U059000

**MEASURING METHOD** : CHEMILUMINESCENCE **WORK NO.** : 2022-008320

**MEASURED BY** : XXXXXXXXXX **ANALYSIS NO.** : T23AN440-0001

TIME *	RESULT (ppm)
	NITROGEN DIOXIDE
	พื้นที่โครงการ
	JULY 12 - 13, 2023 T23AN440-0001
10:00-11:00 HOUR	0.0184
11:00-12:00 HOUR	0.0164
12:00-13:00 HOUR	0.0132
13:00-14:00 HOUR	0.0118
14:00-15:00 HOUR	0.0113
15:00-16:00 HOUR	0.0114
16:00-17:00 HOUR	0.0116
17:00-18:00 HOUR	0.0119
18:00-19:00 HOUR	0.0135
19:00-20:00 HOUR	0.0150
20:00-21:00 HOUR	0.0156
21:00-22:00 HOUR	0.0157
22:00-23:00 HOUR	0.0155
23:00-00:00 HOUR	0.0153
00:00-01:00 HOUR	0.0141
01:00-02:00 HOUR	0.0135
02:00-03:00 HOUR	0.0132
03:00-04:00 HOUR	0.0137
04:00-05:00 HOUR	0.0142
05:00-06:00 HOUR	0.0139
06:00-07:00 HOUR	0.0141
07:00-08:00 HOUR	0.0157
08:00-09:00 HOUR	0.0170
09:00-10:00 HOUR	0.0183

LABORATORY SUPERVISOR

JULY 18, 2023





## ANALYSIS REPORT

**PROJECT NAME** : การตรวจวัดคุณภาพสิ่งแวดล้อม และการตรวจสอบการปฏิบัติตามมาตรการป้องกันและแก้ไขผลกระทบสิ่งแวดล้อม  
โครงการ GRANDE CENTRE POINT HOTEL SUKHUMVIT 55 ประจำปี 2566

**CUSTOMER NAME** : L&H HOTEL MANAGEMENT COMPANY LIMITED

**ADDRESS** : 300 SUKHUMVIT 55 (THONGLOR) KHLONG TAN NUEA WATTHANA BANGKOK 10110

**CONTACT INFORMATION** : TEL : 0 2020 8080, 08 7083 4737 e-mail : boonkhum.b@gcphotels.com

**MEASURING PLACE** : พื้นที่โครงการ

**MEASURING TYPE** : AMBIENT (AIR) **RECEIVED DATE** : JULY 12-13, 2023

**MEASURING DATE** : JULY 12-13, 2023 **ANALYTICAL DATE** : JULY 12-13, 2023

**MEASURING TIME** : \* **REPORT NO.** : 2023-U059001

**MEASURING METHOD** : UV FLUORESCENCE **WORK NO.** : 2022-008320

**MEASURED BY** : [REDACTED] **ANALYSIS NO.** : T23AN440-0001

TIME *	RESULT (ppm)
	SULPHUR DIOXIDE
	พื้นที่โครงการ
	JULY 12 - 13, 2023 T23AN440-0001
10:00-11:00 HOUR	0.0018
11:00-12:00 HOUR	0.0017
12:00-13:00 HOUR	0.0017
13:00-14:00 HOUR	0.0018
14:00-15:00 HOUR	0.0017
15:00-16:00 HOUR	0.0020
16:00-17:00 HOUR	0.0021
17:00-18:00 HOUR	0.0020
18:00-19:00 HOUR	0.0022
19:00-20:00 HOUR	0.0023
20:00-21:00 HOUR	0.0024
21:00-22:00 HOUR	0.0024
22:00-23:00 HOUR	0.0023
23:00-00:00 HOUR	0.0023
00:00-01:00 HOUR	0.0020
01:00-02:00 HOUR	0.0020
02:00-03:00 HOUR	0.0021
03:00-04:00 HOUR	0.0022
04:00-05:00 HOUR	0.0024
05:00-06:00 HOUR	0.0022
06:00-07:00 HOUR	0.0022
07:00-08:00 HOUR	0.0020
08:00-09:00 HOUR	0.0022
09:00-10:00 HOUR	0.0020
AVERAGE 24 HOUR	0.0021

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[REDACTED]  
.....  
LABORATORY SUPERVISOR

JULY 18, 2023



## ANALYSIS REPORT

**PROJECT NAME** : การตรวจวัดคุณภาพสิ่งแวดล้อม และการตรวจสอบการปฏิบัติตามมาตรฐานการป้องกันและแก้ไขผลกระทบสิ่งแวดล้อม  
โครงการ GRANDE CENTRE POINT HOTEL SUKHUMVIT 55 ประจำปี 2566

**CUSTOMER NAME** : L&H HOTEL MANAGEMENT COMPANY LIMITED

**ADDRESS** : 300 SUKHUMVIT 55 (THONGLOR) KHLONG TAN NUEA WATTHANA BANGKOK 10110

**CONTACT INFORMATION** : TEL : 0 2020 8080, 08 7083 4737 e-mail : boonkhum.b@gcphotels.com

**MEASURING PLACE** : พื้นที่โครงการ

**MEASURING TYPE** : AMBIENT (AIR)

**MEASURING DATE** : JULY 12, 2023

**MEASURING TIME** : \*

**MEASURING METHOD** : FLAME IONIZATION DETECTOR

**MEASURED BY** : [REDACTED]

**RECEIVED DATE** : JULY 12-13, 2023

**ANALYTICAL DATE** : JULY 12-13, 2023

**REPORT NO.** : 2023-U059002

**WORK NO.** : 2022-008320

**ANALYSIS NO.** : T23AN440-0001

DATE	TIME *	RESULT (ppm)
		TOTAL HYDROCARBONS
		พื้นที่โครงการ
JULY 12 - 13, 2023 T23AN440-0001	10:00-11:00 HOUR	1.89
	11:00-12:00 HOUR	2.14
	12:00-13:00 HOUR	1.83
	13:00-14:00 HOUR	1.69
	14:00-15:00 HOUR	1.73
	15:00-16:00 HOUR	1.85
	16:00-17:00 HOUR	2.04
	17:00-18:00 HOUR	2.29
	18:00-19:00 HOUR	2.62
	19:00-20:00 HOUR	2.75
	20:00-21:00 HOUR	2.72
	21:00-22:00 HOUR	2.73
	22:00-23:00 HOUR	2.64
	23:00-00:00 HOUR	2.63
	00:00-01:00 HOUR	2.65
	01:00-02:00 HOUR	2.73
	02:00-03:00 HOUR	2.61
	03:00-04:00 HOUR	2.41
	04:00-05:00 HOUR	2.15
	05:00-06:00 HOUR	2.07
	06:00-07:00 HOUR	2.08
	07:00-08:00 HOUR	2.16
	08:00-09:00 HOUR	2.19
	09:00-10:00 HOUR	2.10
	<b>AVERAGE 24 HOUR</b>	<b>2.28</b>

[REDACTED SIGNATURE]

LABORATORY SUPERVISOR

JULY 18, 2023



ภาคผนวก ค-2  
ผลการติดตามตรวจสอบคุณภาพน้ำจาก  
ระบบบำบัดน้ำเสีย และน้ำทิ้ง

## ANALYSIS REPORT

**PROJECT NAME** : การตรวจวัดคุณภาพสิ่งแวดล้อม และการตรวจสอบการปฏิบัติตามมาตรการป้องกันและแก้ไขผลกระทบสิ่งแวดล้อม  
โครงการ GRANDE CENTRE POINT HOTEL SUKHUMVIT 55 ประจำปี 2566

**CUSTOMER NAME** : L&H HOTEL MANAGEMENT COMPANY LIMITED

**ADDRESS** : 300 SUKHUMVIT 55 (THONGLOR) KHLONG TAN NUEA WATTHANA BANGKOK 10110

**CONTACT INFORMATION** : TEL : 0 2020 8080, 08 7083 4737 e-mail : boonkhum.b@gcphotels.com

**SAMPLING SOURCE** : GRANDE CENTRE POINT HOTEL SUKHUMVIT 55

**SAMPLE TYPE** : WASTEWATER

**SAMPLING DATE** : JULY 5, 2023

**SAMPLING TIME** : 12:00 HOUR

**SAMPLING METHOD °** : GRAB, GRAB AND STERILE TECHNIQUE

**SAMPLING BY °** : [REDACTED]

**ANALYZED BY** : [REDACTED]

**RECEIVED DATE** : JULY 5, 2023

**ANALYTICAL DATE** : JULY 5-12, 2023

**REPORT NO.** : 2023-U060150

**WORK NO.** : 2022-008320

**ANALYSIS NO.** : T23AM805-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	DETECTION LIMIT
			ถังรับสภาพ (ระบบบำบัด) T23AM805-0001	
pH °	-	ELECTROMETRIC METHOD AT SITE (SM: PART 4500-H <sup>+</sup> B)	7.4 (31°C)	-
BIOCHEMICAL OXYGEN DEMAND <sup>a</sup>	mg/L	MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	106	2.0
SUSPENDED SOLIDS <sup>a</sup>	mg/L	SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: PART 2540 D)	27.3	5.0
TOTAL DISSOLVED SOLIDS <sup>b</sup>	mg/L	IN-HOUSE METHOD: UAE.TP.WAO.007 (TOTAL DISSOLVED SOLIDS DRIED AT 103-105 °C); SM: PART 2540 C	373	25
SETTLEABLE SOLIDS °	mL/L	IMHOFF CONE (SM: PART 2540 F)	< 0.1	0.1
SULPHIDE °	mg/L	IODOMETRIC METHOD (SM: PART 4500-S <sup>2-</sup> F)	5.2	0.50
TOTAL KJELDAHL NITROGEN <sup>b</sup>	mg/L	IN-HOUSE METHOD: UAE.TP.WAS.001 (KJELDAHL METHOD); SM: PART 4500-Norg C	61.5	15
FAT, OIL AND GREASE °	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: PART 5520 B)	ND	3
RESIDUAL CHLORINE °	mg/L Cl <sub>2</sub>	MODIFIED DPD COLOURIMETRIC METHOD (AT SITE)	ND	0.1



PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	DETECTION LIMIT
			ถึงปรัสนสภาพ (ระบบปำปัด) T23AM805-0001	
MICROBIOLOGY				
COLIFORM BACTERIA <sup>b</sup>	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B)	>160,000	1.8
FAECAL COLIFORM BACTERIA <sup>b</sup>	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 E)	>160,000	1.8
SAMPLE CONDITION				
WATER'S COLOUR/TURBID SEDIMENT			YELLOW/TURBID BROWN	

<sup>a</sup> : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

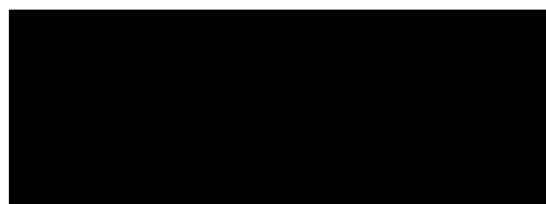
<sup>b</sup> : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

<sup>c</sup> : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

IN-HOUSE : BASED ON STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

ND : NON-DETECTABLE.



LABORATORY SUPERVISOR

JULY 21, 2023

## ANALYSIS REPORT

**PROJECT NAME** : การตรวจวัดคุณภาพสิ่งแวดล้อม และการตรวจสอบการปฏิบัติตามมาตรฐานการป้องกันและแก้ไขผลกระทบสิ่งแวดล้อม  
โครงการ GRANDE CENTRE POINT HOTEL SUKHUMVIT 55 ประจำปี 2566

**CUSTOMER NAME** : L&H HOTEL MANAGEMENT COMPANY LIMITED

**ADDRESS** : 300 SUKHUMVIT 55 (THONGLOR) KHLONG TAN NUEA WATTHANA BANGKOK 10110

**CONTACT INFORMATION** : TEL : 0 2020 8080, 08 7083 4737 e-mail : boonkhum.b@gcphotels.com

**SAMPLING SOURCE** : GRANDE CENTRE POINT HOTEL SUKHUMVIT 55

**SAMPLE TYPE** : EFFLUENT

**SAMPLING DATE** : JULY 5, 2023

**SAMPLING TIME** : 12:05 HOUR

**SAMPLING METHOD °** : GRAB, GRAB AND STERILE TECHNIQUE

**SAMPLING BY °** : [REDACTED]

**ANALYZED BY** : [REDACTED]

**RECEIVED DATE** : JULY 5, 2023

**ANALYTICAL DATE** : JULY 5-12, 2023

**REPORT NO.** : 2023-U060151

**WORK NO.** : 2022-008320

**ANALYSIS NO.** : T23AM805-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			ทั้งน้ำใส (ระบอบน้ำผุด) T23AM805-0002		
pH °	-	ELECTROMETRIC METHOD AT SITE (SM: PART 4500-H <sup>+</sup> B)	6.4 (32°C)	5-9	-
BIOCHEMICAL OXYGEN DEMAND °	mg/L	MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	7.2	≤ 20	2.0
SUSPENDED SOLIDS °	mg/L	SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: PART 2540 D)	9.0	≤ 30	5.0
TOTAL DISSOLVED SOLIDS °	mg/L	IN-HOUSE METHOD: UAE.TP.WAO.007 (TOTAL DISSOLVED SOLIDS DRIED AT 103-105 °C); SM: PART 2540 C	498	500*	25
SETTLEABLE SOLIDS °	mL/L	IMHOFF CONE (SM: PART 2540 F)	< 0.1	≤ 0.5	0.1
SULPHIDE °	mg/L	IODOMETRIC METHOD (SM: PART 4500-S <sup>2-</sup> F)	< 0.50	≤ 1.0	0.50
TOTAL KJELDAHL NITROGEN °	mg/L	IN-HOUSE METHOD: UAE.TP.WAS.001 (KJELDAHL METHOD); SM: PART 4500-Norg C	9.4	≤ 35	1.5
FAT, OIL AND GREASE °	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: PART 5520 B)	ND	≤ 20	3
RESIDUAL CHLORINE °	mg/L Cl <sub>2</sub>	MODIFIED DPD COLOURIMETRIC METHOD (AT SITE)	ND	-	0.1





PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			ถังน้ำใส (ระบบปิด) T23AM805-0002		
MICROBIOLOGY					
COLIFORM BACTERIA <sup>b</sup>	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221B)	>160,000	-	1.8
SAMPLE CONDITION					
WATER'S COLOUR/TURBID			YELLOW/TURBID		
SEDIMENT			BROWN		

<sup>a</sup> : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

<sup>b</sup> : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

<sup>c</sup> : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

IN-HOUSE : BASED ON STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

REGULATORY STANDARD : RANGE OR MAXIMUM PERMITTED VALUE FOR BUILDING EFFLUENT STANDARDS CLASS A, NOTIFICATION OF THE  
MINISTRY OF RESOURCES AND ENVIRONMENT, PUBLISHED IN THE ROYAL GOVERNMENT GAZETTE, VOL 122,  
PART 125 D, DATED DECEMBER 29, 2005 AND VOL 139 SPECIAL PART 171 D, DATED JULY 21, 2022.

ND : NON-DETECTABLE.

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[REDACTED SIGNATURE]

LABORATORY SUPERVISOR

JULY 21, 2023

## ANALYSIS REPORT

**PROJECT NAME** : การตรวจวัดคุณภาพสิ่งแวดล้อม และการตรวจสอบการปฏิบัติตามมาตรฐานการป้องกันและแก้ไขผลกระทบสิ่งแวดล้อม  
โครงการ GRANDE CENTRE POINT HOTEL SUKHUMVIT 55 ประจำปี 2566

**CUSTOMER NAME** : L&H HOTEL MANAGEMENT COMPANY LIMITED

**ADDRESS** : 300 SUKHUMVIT 55 (THONGLOR) KHLONG TAN NUEA WATTHANA BANGKOK 10110

**CONTACT INFORMATION** : TEL : 0 2020 8080, 08 7083 4737 e-mail : boonkhum.b@gcphotels.com

**SAMPLING SOURCE** : GRANDE CENTRE POINT HOTEL SUKHUMVIT 55

**SAMPLE TYPE** : EFFLUENT

**SAMPLING DATE** : JULY 5, 2023

**SAMPLING TIME** : 12:10 HOUR

**SAMPLING METHOD °** : GRAB, GRAB AND STERILE TECHNIQUE

**SAMPLING BY °** : [REDACTED]

**ANALYZED BY** : [REDACTED]

**RECEIVED DATE** : JULY 5, 2023

**ANALYTICAL DATE** : JULY 5-12, 2023

**REPORT NO.** : 2023-U060152

**WORK NO.** : 2022-008320

**ANALYSIS NO.** : T23AM805-0003

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			ผลการตรวจคุณภาพน้ำ T23AM805-0003		
pH °	-	ELECTROMETRIC METHOD AT SITE (SM: PART 4500-H <sup>+</sup> B)	6.3 (32°C)	5-9	-
BIOCHEMICAL OXYGEN DEMAND °	mg/L	MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	6.0	≤ 20	2.0
SUSPENDED SOLIDS °	mg/L	SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: PART 2540 D)	8.4	≤ 30	5.0
TOTAL DISSOLVED SOLIDS °	mg/L	IN-HOUSE METHOD: UAE.TP.WAO.007 (TOTAL DISSOLVED SOLIDS DRIED AT 103-105 °C); SM: PART 2540 C	490	500*	25
SETTLABLE SOLIDS °	ml/L	IMHOFF CONE (SM: PART 2540 F)	< 0.1	≤ 0.5	0.1
SULPHIDE °	mg/L	IODOMETRIC METHOD (SM: PART 4500-S <sup>2-</sup> F)	< 0.50	≤ 1.0	0.50
TOTAL KJELDAHL NITROGEN °	mg/L	IN-HOUSE METHOD: UAE.TP.WAS.001 (KJELDAHL METHOD); SM: PART 4500-Norg C	8.2	≤ 35	1.5
FAT, OIL AND GREASE °	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: PART 5520 B)	ND	≤ 20	3
RESIDUAL CHLORINE °	mg/L Cl <sub>2</sub>	MODIFIED DPD COLOURIMETRIC METHOD (AT SITE)	ND	-	0.1





PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			ปลัดตรวจคุณภาพน้ำ T23AM805-0003		
MICROBIOLOGY					
COLIFORM BACTERIA <sup>b</sup>	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B)	4,900	-	1.8
SAMPLE CONDITION					
WATER'S COLOUR/TURBID			YELLOW/CLEAR		
SEDIMENT			BROWN		

<sup>a</sup> : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

<sup>b</sup> : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

<sup>c</sup> : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

IN-HOUSE : BASED ON STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

REGULATORY STANDARD : RANGE OR MAXIMUM PERMITTED VALUE FOR BUILDING EFFLUENT STANDARDS CLASS A, NOTIFICATION OF THE  
MINISTRY OF RESOURCES AND ENVIRONMENT, PUBLISHED IN THE ROYAL GOVERNMENT GAZETTE, VOL 122,  
PART 125 D, DATED DECEMBER 29, 2005 AND VOL 139 SPECIAL PART 171 D, DATED JULY 21, 2022.

ND : NON-DETECTABLE.

.....  
[REDACTED SIGNATURE]  
.....

LABORATORY SUPERVISOR

JULY 21, 2023

## ANALYSIS REPORT

**PROJECT NAME** : การตรวจวัดคุณภาพสิ่งแวดล้อม และการตรวจสอบการปฏิบัติตามมาตรฐานการป้องกันและแก้ไขผลกระทบสิ่งแวดล้อม  
โครงการ GRANDE CENTRE POINT HOTEL SUKHUMVIT 55 ประจำปี 2566

**CUSTOMER NAME** : L&H HOTEL MANAGEMENT COMPANY LIMITED

**ADDRESS** : 300 SUKHUMVIT 55 (THONGLOR) KHLONG TAN NUEA WATTHANA BANGKOK 10110

**CONTACT INFORMATION** : TEL : 0 2020 8080, 08 7083 4737 e-mail : boonkhum.b@gcphotels.com

**SAMPLING SOURCE** : GRANDE CENTRE POINT HOTEL SUKHUMVIT 55

**SAMPLE TYPE** : WASTEWATER

**SAMPLING DATE** : AUGUST 9, 2023

**SAMPLING TIME** : 15:10 HOUR

**SAMPLING METHOD °** : GRAB, GRAB AND STERILE TECHNIQUE

**SAMPLING BY °** : [REDACTED]

**ANALYZED BY** : [REDACTED]

**RECEIVED DATE** : AUGUST 9, 2023

**ANALYTICAL DATE** : AUGUST 9-17, 2023

**REPORT NO.** : 2023-U068522

**WORK NO.** : 2022-008320

**ANALYSIS NO.** : T23AP291-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	DETECTION LIMIT
			ดังรับสภาพ (ระบมพำบัด) T23AP291-0001	
pH °	-	ELECTROMETRIC METHOD AT SITE (SM: PART 4500-H <sup>+</sup> B)	7.3 (31°C)	-
BIOCHEMICAL OXYGEN DEMAND °	mg/L	MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	212	2.0
SUSPENDED SOLIDS °	mg/L	SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: PART 2540 D)	926	5.0
TOTAL DISSOLVED SOLIDS °	mg/L	IN-HOUSE METHOD: UAE.TP.WAO.007 (TOTAL DISSOLVED SOLIDS DRIED AT 103-105 °C); SM: PART 2540 C	518	25
SETTLEABLE SOLIDS °	mL/L	IMHOFF CONE (SM: PART 2540 F)	1.0	0.1
SULPHIDE °	mg/L	IODOMETRIC METHOD (SM: PART 4500-S <sup>2-</sup> F)	1.9	0.50
TOTAL KJELDAHL NITROGEN °	mg/L	IN-HOUSE METHOD: UAE.TP.WAS.001 (KJELDAHL METHOD); SM: PART 4500-Norg C	94.8	1.5
FAT, OIL AND GREASE °	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: PART 5520 B)	6	3
RESIDUAL CHLORINE °	mg/L Cl <sub>2</sub>	MODIFIED DPD COLOURIMETRIC METHOD (AT SITE)	ND	0.1



PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	DETECTION LIMIT
			ส่งปรับสภาพ (ระบบบำบัด) T23AP291-0001	
MICROBIOLOGY				
COLIFORM BACTERIA <sup>b</sup>	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B)	>160,000	1.8
FAECAL COLIFORM BACTERIA <sup>b</sup>	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 E)	>160,000	1.8
SAMPLE CONDITION				
WATER'S COLOUR/TURBID SEDIMENT			YELLOW/TURBID BROWN	

<sup>a</sup> : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

<sup>b</sup> : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

<sup>c</sup> : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

IN-HOUSE : BASED ON STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

ND : NON-DETECTABLE.

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LABORATORY SUPERVISOR

AUGUST 21, 2023

## ANALYSIS REPORT

**PROJECT NAME** : การตรวจวัดคุณภาพสิ่งแวดล้อม และการตรวจสอบการปฏิบัติตามมาตรฐานการป้องกันและแก้ไขผลกระทบสิ่งแวดล้อม  
โครงการ GRANDE CENTRE POINT HOTEL SUKHUMVIT 55 ประจำปี 2566

**CUSTOMER NAME** : L&H HOTEL MANAGEMENT COMPANY LIMITED

**ADDRESS** : 300 SUKHUMVIT 55 (THONGLOR) KHLONG TAN NUEA WATTHANA BANGKOK 10110

**CONTACT INFORMATION** : TEL : 0 2020 8080, 08 7083 4737 e-mail : boonkhum.b@gcphotels.com

**SAMPLING SOURCE** : GRANDE CENTRE POINT HOTEL SUKHUMVIT 55

**SAMPLE TYPE** : EFFLUENT

**SAMPLING DATE** : AUGUST 9, 2023

**SAMPLING TIME** : 15:15 HOUR

**SAMPLING METHOD °** : GRAB, GRAB AND STERILE TECHNIQUE

**SAMPLING BY °** : [REDACTED]

**ANALYZED BY** : [REDACTED]

**RECEIVED DATE** : AUGUST 9, 2023

**ANALYTICAL DATE** : AUGUST 9-17, 2023

**REPORT NO.** : 2023-U068524

**WORK NO.** : 2022-008320

**ANALYSIS NO.** : T23AP291-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			ถังน้ำใส (ระบอบบำบัด) T23AP291-0002		
pH °	-	ELECTROMETRIC METHOD AT SITE (SM: PART 4500-H <sup>+</sup> B)	6.6 (32°C)	5-9	-
BIOCHEMICAL OXYGEN DEMAND <sup>a</sup>	mg/L	MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	11.9	≤ 20	2.0
SUSPENDED SOLIDS <sup>a</sup>	mg/L	SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: PART 2540 D)	25.0	≤ 30	5.0
TOTAL DISSOLVED SOLIDS <sup>b</sup>	mg/L	IN-HOUSE METHOD: UAE.TP.WAO.007 (TOTAL DISSOLVED SOLIDS DRIED AT 103-105 °C); SM: PART 2540 C	440	500*	25
SETTLEABLE SOLIDS °	mL/L	IMHOFF CONE (SM: PART 2540 F)	< 0.1	≤ 0.5	0.1
SULPHIDE <sup>b</sup>	mg/L	IODOMETRIC METHOD (SM: PART 4500-S <sup>2-</sup> F)	< 0.50	≤ 1.0	0.50
TOTAL KJELDAHL NITROGEN <sup>b</sup>	mg/L	IN-HOUSE METHOD: UAE.TP.WAS.001 (KJELDAHL METHOD); SM: PART 4500-Norg C	9.1	≤ 35	1.5
FAT, OIL AND GREASE °	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: PART 5520 B)	ND	≤ 20	3
RESIDUAL CHLORINE °	mg/L Cl <sub>2</sub>	MODIFIED DPD COLOURIMETRIC METHOD (AT SITE)	ND	-	0.1



PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			กึ่งน้ำใจ (ระบบน้ำใจ) T23AP291-0002		
MICROBIOLOGY					
COLIFORM BACTERIA <sup>b</sup>	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B)	7,900	-	1.8
SAMPLE CONDITION					
WATER'S COLOUR/TURBID			YELLOW/TURBID		
SEDIMENT			BROWN		

<sup>a</sup> : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

<sup>b</sup> : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

<sup>c</sup> : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

IN-HOUSE : BASED ON STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

REGULATORY STANDARD : RANGE OR MAXIMUM PERMITTED VALUE FOR BUILDING EFFLUENT STANDARDS CLASS A, NOTIFICATION OF THE  
MINISTRY OF RESOURCES AND ENVIRONMENT, PUBLISHED IN THE ROYAL GOVERNMENT GAZETTE, VOL 122,  
PART 125 D, DATED DECEMBER 29, 2005 AND VOL 139 SPECIAL PART 171 D, DATED JULY 21, 2022.

ND : NON-DETECTABLE.



LABORATORY SUPERVISOR

AUGUST 21, 2023

## ANALYSIS REPORT

**PROJECT NAME** : การตรวจวัดคุณภาพสิ่งแวดล้อม และการตรวจสอบการปฏิบัติตามมาตรฐานการป้องกันและแก้ไขผลกระทบสิ่งแวดล้อม  
โครงการ GRANDE CENTRE POINT HOTEL SUKHUMVIT 55 ประจำปี 2566

**CUSTOMER NAME** : L&H HOTEL MANAGEMENT COMPANY LIMITED

**ADDRESS** : 300 SUKHUMVIT 55 (THONGLOR) KHLONG TAN NUEA WATTHANA BANGKOK 10110

**CONTACT INFORMATION** : TEL : 0 2020 8080, 08 7083 4737 e-mail : boonkhum.b@gcphotels.com

**SAMPLING SOURCE** : GRANDE CENTRE POINT HOTEL SUKHUMVIT 55

**SAMPLE TYPE** : EFFLUENT

**SAMPLING DATE** : AUGUST 9, 2023

**SAMPLING TIME** : 15:20 HOUR

**SAMPLING METHOD °** : GRAB, GRAB AND STERILE TECHNIQUE

**SAMPLING BY °** : [REDACTED]

**ANALYZED BY** : [REDACTED]

**RECEIVED DATE** : AUGUST 9, 2023

**ANALYTICAL DATE** : AUGUST 9-17, 2023

**REPORT NO.** : 2023-U068525

**WORK NO.** : 2022-008320

**ANALYSIS NO.** : T23AP291-0003

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			ปอดตรวจคุณภาพน้ำ T23AP291-0003		
pH °	-	ELECTROMETRIC METHOD AT SITE (SM: PART 4500-H+ B)	6.8 (32°C)	5-9	-
BIOCHEMICAL OXYGEN DEMAND <sup>a</sup>	mg/L	MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	10.3	≤ 20	2.0
SUSPENDED SOLIDS <sup>a</sup>	mg/L	SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: PART 2540 D)	25.2	≤ 30	5.0
TOTAL DISSOLVED SOLIDS <sup>b</sup>	mg/L	IN-HOUSE METHOD: UAE.TP.WAO.007 (TOTAL DISSOLVED SOLIDS DRIED AT 103-105 °C); SM: PART 2540 C	452	500*	25
SETTLEABLE SOLIDS °	mL/L	IMHOFF CONE (SM: PART 2540 F)	< 0.1	≤ 0.5	0.1
SULPHIDE <sup>b</sup>	mg/L	IODOMETRIC METHOD (SM: PART 4500-S <sup>2</sup> -F)	< 0.50	≤ 1.0	0.50
TOTAL KJELDAHL NITROGEN <sup>b</sup>	mg/L	IN-HOUSE METHOD: UAE.TP.WAS.001 (KJELDAHL METHOD); SM: PART 4500-Norg C	9.8	≤ 35	1.5
FAT, OIL AND GREASE °	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: PART 5520 B)	ND	≤ 20	3
RESIDUAL CHLORINE °	mg/L Cl <sub>2</sub>	MODIFIED DPD COLOURIMETRIC METHOD (AT SITE)	ND	-	0.1





PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			ปตตจตุรคณาพณ์ T23AP291-0003		
MICROBIOLOGY					
COLIFORM BACTERIA <sup>b</sup>	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B)	4,900	-	1.8
SAMPLE CONDITION					
WATER'S COLOUR/TURBID			YELLOW/TURBID		
SEDIMENT			BROWN		

<sup>a</sup> : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

<sup>b</sup> : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

<sup>c</sup> : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

IN-HOUSE : BASED ON STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

REGULATORY STANDARD : RANGE OR MAXIMUM PERMITTED VALUE FOR BUILDING EFFLUENT STANDARDS CLASS A, NOTIFICATION OF THE  
MINISTRY OF RESOURCES AND ENVIRONMENT, PUBLISHED IN THE ROYAL GOVERNMENT GAZETTE, VOL 122,  
PART 125 D, DATED DECEMBER 29, 2005 AND VOL 139 SPECIAL PART 171 D, DATED JULY 21, 2022.

ND : NON-DETECTABLE.

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LABORATORY SUPERVISOR

AUGUST 21, 2023

## ANALYSIS REPORT

**PROJECT NAME** : การตรวจวัดคุณภาพสิ่งแวดล้อม และการตรวจสอบการปฏิบัติตามมาตรฐานการป้องกันและแก้ไขผลกระทบสิ่งแวดล้อม  
โครงการ GRANDE CENTRE POINT HOTEL SUKHUMVIT 55 ประจำปี 2566

**CUSTOMER NAME** : L&H HOTEL MANAGEMENT COMPANY LIMITED

**ADDRESS** : 300 SUKHUMVIT 55 (THONGLOR) KHLONG TAN NUEA WATTHANA BANGKOK 10110

**CONTACT INFORMATION** : TEL : 0 2020 8080, 08 7083 4737 e-mail : boonkhum.b@gcphotels.com

**SAMPLING SOURCE** : GRANDE CENTRE POINT HOTEL SUKHUMVIT 55

**SAMPLE TYPE** : WASTEWATER

**SAMPLING DATE** : SEPTEMBER 6, 2023

**SAMPLING TIME** : 14:50 HOUR

**SAMPLING METHOD °** : GRAB, GRAB AND STERILE TECHNIQUE

**SAMPLING BY °** : [REDACTED]

**ANALYZED BY** : [REDACTED]

**RECEIVED DATE** : SEPTEMBER 6, 2023

**ANALYTICAL DATE** : SEPTEMBER 6-14, 2023

**REPORT NO.** : 2023-U078312

**WORK NO.** : 2022-008320

**ANALYSIS NO.** : T23AR462-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	DETECTION LIMIT
			ทั้งปริมณฑล (รวมค่าปกติ) T23AR462-0001	
pH °	-	ELECTROMETRIC METHOD AT SITE (SM: PART 4500-H <sup>+</sup> B)	7.6 (31°C)	-
BIOCHEMICAL OXYGEN DEMAND <sup>a</sup>	mg/L	MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	163	2.0
SUSPENDED SOLIDS <sup>a</sup>	mg/L	SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: PART 2540 D)	54.6	5.0
TOTAL DISSOLVED SOLIDS <sup>b</sup>	mg/L	IN-HOUSE METHOD: UAE.TP.WAO.007 (TOTAL DISSOLVED SOLIDS DRIED AT 103-105 °C); SM: PART 2540 C	391	25
SETTLABLE SOLIDS °	mL/L	IMHOFF CONE (SM: PART 2540 F)	1.2	0.1
RESIDUAL CHLORINE °	mg/L Cl <sub>2</sub>	MODIFIED DPD COLOURIMETRIC METHOD (AT SITE)	ND	0.1
SULPHIDE <sup>b</sup>	mg/L	IODOMETRIC METHOD (SM: PART 4500-S <sub>2</sub> -F)	1.8	0.50
TOTAL KJELDAHL NITROGEN <sup>b</sup>	mg/L	IN-HOUSE METHOD: UAE.TP.WAS.001 (KJELDAHL METHOD); SM: PART 4500-Norg C	32.9	15
FAT, OIL AND GREASE <sup>a</sup>	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: PART 5520 B)	8	3





PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	DETECTION LIMIT
			ถังปรีบสภาพ (ระบบน้ำปัด) T23AR462-0001	
MICROBIOLOGY				
COLIFORM BACTERIA <sup>b</sup>	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B)	>160,000	1.8
FAECAL COLIFORM BACTERIA <sup>b</sup>	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 E)	>160,000	1.8
SAMPLE CONDITION				
WATER'S COLOUR/TURBID			YELLOW/TURBID	
SEDIMENT			BROWN	

<sup>a</sup> : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

<sup>b</sup> : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

<sup>c</sup> : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

IN-HOUSE : BASED ON STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.



ND : NON-DETECTABLE.

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LABORATORY SUPERVISOR

SEPTEMBER 19, 2023

## ANALYSIS REPORT

**PROJECT NAME** : การตรวจวัดคุณภาพสิ่งแวดล้อม และการตรวจสอบการปฏิบัติตามมาตรฐานการป้องกันและแก้ไขผลกระทบสิ่งแวดล้อม  
โครงการ GRANDE CENTRE POINT HOTEL SUKHUMVIT 55 ประจำปี 2566  
**CUSTOMER NAME** : L&H HOTEL MANAGEMENT COMPANY LIMITED  
**ADDRESS** : 300 SUKHUMVIT 55 (THONGLOR) KHLONG TAN NUEA WATTHANA BANGKOK 10110  
**CONTACT INFORMATION** : TEL : 0 2020 8080, 08 7083 4737 e-mail : boonkhum.b@gcphotels.com  
**SAMPLING SOURCE** : GRANDE CENTRE POINT HOTEL SUKHUMVIT 55  
**SAMPLE TYPE** : EFFLUENT  
**SAMPLING DATE** : SEPTEMBER 6, 2023  
**SAMPLING TIME** : 14:55 HOUR  
**SAMPLING METHOD °** : GRAB, GRAB AND STERILE TECHNIQUE  
**SAMPLING BY °** :   
**ANALYZED BY** :   
**RECEIVED DATE** : SEPTEMBER 6, 2023  
**ANALYTICAL DATE** : SEPTEMBER 6-14, 2023  
**REPORT NO.** : 2023-U078313  
**WORK NO.** : 2022-008320  
**ANALYSIS NO.** : T23AR462-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			ถังน้ำใส (ระบบบำบัด) T23AR462-0002		
pH °	-	ELECTROMETRIC METHOD AT SITE (SM: PART 4500-H+ B)	6.9 (31°C)	5-9	-
BIOCHEMICAL OXYGEN DEMAND * a	mg/L	MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	14.4	≤ 20	2.0
SUSPENDED SOLIDS a	mg/L	SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: PART 2540 D)	45.4	≤ 30	5.0
TOTAL DISSOLVED SOLIDS b	mg/L	IN-HOUSE METHOD: UAE.TP.WAO.007 (TOTAL DISSOLVED SOLIDS DRIED AT 103-105 °C); SM: PART 2540 C	573	500*	25
SETTLABLE SOLIDS °	mL/L	IMHOFF CONE (SM: PART 2540 F)	< 0.1	≤ 0.5	0.1
RESIDUAL CHLORINE °	mg/L Cl <sub>2</sub>	MODIFIED DPD COLOURIMETRIC METHOD (AT SITE)	ND	-	0.1
SULPHIDE b	mg/L	IODOMETRIC METHOD (SM: PART 4500-S <sup>2</sup> -F)	< 0.50	≤ 1.0	0.50
TOTAL KJELDAHL NITROGEN b	mg/L	IN-HOUSE METHOD: UAE.TP.WAS.001 (KJELDAHL METHOD); SM: PART 4500-Norg C	< LOQ	≤ 35	1.5
FAT, OIL AND GREASE °	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: PART 5520 B)	ND	≤ 20	3



PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			ถังน้ำใส (ระบบน้ำดื่ม) T23AR462-0002		
MICROBIOLOGY					
COLIFORM BACTERIA <sup>b</sup>	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B)	4,600	-	1.8
SAMPLE CONDITION WATER'S COLOUR/TURBID SEDIMENT			YELLOW/TURBID  BROWN		

<sup>a</sup> : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

<sup>b</sup> : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

<sup>c</sup> : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

IN-HOUSE : BASED ON STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

REGULATORY STANDARD : RANGE OR MAXIMUM PERMITTED VALUE FOR BUILDING EFFLUENT STANDARDS CLASS A, NOTIFICATION OF THE  
MINISTRY OF RESOURCES AND ENVIRONMENT, PUBLISHED IN THE ROYAL GOVERNMENT GAZETTE, VOL. 122,  
PART 125 D, DATED DECEMBER 29, 2005 AND VOL. 139 SPECIAL PART 171 D, DATED JULY 21, 2022.

\* : ADDITION OF NITRIFICATION INHIBITION (TCMP) FOLLOW TO THE SM: 5210B.5(e).

ND : NON-DETECTABLE.

< LOQ : < LIMIT OF QUANTITATION (TOTAL KJELDAHL NITROGEN  $\geq 1.5$  AND < 5.0 mg/L).

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[Redacted Signature]  
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LABORATORY SUPERVISOR

SEPTEMBER 19, 2023

## ANALYSIS REPORT

**PROJECT NAME** : การตรวจวัดคุณภาพสิ่งแวดล้อม และการตรวจสอบการปฏิบัติตามมาตรฐานการป้องกันและแก้ไขผลกระทบสิ่งแวดล้อม  
โครงการ GRANDE CENTRE POINT HOTEL SUKHUMVIT 55 ประจำปี 2566

**CUSTOMER NAME** : L&H HOTEL MANAGEMENT COMPANY LIMITED

**ADDRESS** : 300 SUKHUMVIT 55 (THONGLOR) KHLONG TAN NUEA WATTHANA BANGKOK 10110

**CONTACT INFORMATION** : TEL : 0 2020 8080, 08 7083 4737 e-mail : boonkhum.b@gcphotels.com

**SAMPLING SOURCE** : GRANDE CENTRE POINT HOTEL SUKHUMVIT 55

**SAMPLE TYPE** : EFFLUENT

**SAMPLING DATE** : SEPTEMBER 6, 2023

**SAMPLING TIME** : 15:00 HOUR

**SAMPLING METHOD °** : GRAB, GRAB AND STERILE TECHNIQUE

**SAMPLING BY °** : [REDACTED]

**ANALYZED BY** : [REDACTED]

**RECEIVED DATE** : SEPTEMBER 6, 2023

**ANALYTICAL DATE** : SEPTEMBER 6-14, 2023

**REPORT NO.** : 2023-U078314

**WORK NO.** : 2022-008320

**ANALYSIS NO.** : T23AR462-0003

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			นอตตรวจคุณภาพน้ำ T23AR462-0003		
pH °	-	ELECTROMETRIC METHOD AT SITE (SM: PART 4500-H <sup>+</sup> B)	6.6 (32°C)	5-9	-
BIOCHEMICAL OXYGEN DEMAND * a	mg/L	MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	10.7	≤ 20	2.0
SUSPENDED SOLIDS a	mg/L	SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: PART 2540 D)	50.5	≤ 30	5.0
TOTAL DISSOLVED SOLIDS b	mg/L	IN-HOUSE METHOD: UAE.TP.WAO.007 (TOTAL DISSOLVED SOLIDS DRIED AT 103-105 °C); SM: PART 2540 C	502	500*	25
SETTLABLE SOLIDS °	mL/L	IMHOFF CONE (SM: PART 2540 F)	< 0.1	≤ 0.5	0.1
RESIDUAL CHLORINE °	mg/L Cl <sub>2</sub>	MODIFIED DPD COLOURIMETRIC METHOD (AT SITE)	ND	-	0.1
SULPHIDE b	mg/L	IODOMETRIC METHOD (SM: PART 4500-S <sup>2-</sup> F)	< 0.50	≤ 1.0	0.50
TOTAL KJELDAHL NITROGEN b	mg/L	IN-HOUSE METHOD: UAE.TP.WAS.001 (KJELDAHL METHOD); SM: PART 4500-Norg C	< LOQ	≤ 35	1.5
FAT, OIL AND GREASE °	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: PART 5520 B)	ND	≤ 20	3



PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			มาตรฐานคุณภาพน้ำ T23AR462-0003		
MICROBIOLOGY					
COLIFORM BACTERIA <sup>b</sup>	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221B)	13,000	-	1.8
SAMPLE CONDITION					
WATER'S COLOUR/TURBID			YELLOW/TURBID		
SEDIMENT			BROWN		

<sup>a</sup> : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

<sup>b</sup> : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

<sup>c</sup> : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

IN-HOUSE : BASED ON STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

REGULATORY STANDARD : RANGE OR MAXIMUM PERMITTED VALUE FOR BUILDING EFFLUENT STANDARDS CLASS A, NOTIFICATION OF THE  
MINISTRY OF RESOURCES AND ENVIRONMENT, PUBLISHED IN THE ROYAL GOVERNMENT GAZETTE, VOL 122,  
PART 125 D, DATED DECEMBER 29, 2005 AND VOL 139 SPECIAL PART 171 D, DATED JULY 21, 2022.

\* : ADDITION OF NITRIFICATION INHIBITION (TCMP) FOLLOW TO THE SM: 5210B,5(e).

ND : NON-DETECTABLE.

< LOQ : < LIMIT OF QUANTITATION (TOTAL KJELDAHL NITROGEN  $\geq 1.5$  AND < 5.0 mg/L).

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LABORATORY SUPERVISOR

SEPTEMBER 19, 2023

## ANALYSIS REPORT

**PROJECT NAME** : การตรวจวัดคุณภาพสิ่งแวดล้อม และการตรวจสอบการปฏิบัติตามมาตรฐานการป้องกันและแก้ไขผลกระทบสิ่งแวดล้อม  
โครงการ GRANDE CENTRE POINT HOTEL SUKHUMVIT 55 ประจำปี 2566

**CUSTOMER NAME** : L&H HOTEL MANAGEMENT COMPANY LIMITED

**ADDRESS** : 300 SUKHUMVIT 55 (THONGLOR) KHLONG TAN NUEA WATTHANA BANGKOK 10110

**CONTACT INFORMATION** : TEL : 0 2020 8080, 08 7083 4737 e-mail : boonkhum.b@gcphotels.com

**SAMPLING SOURCE** : GRANDE CENTRE POINT HOTEL SUKHUMVIT 55

**SAMPLE TYPE** : WASTEWATER

**SAMPLING DATE** : OCTOBER 5, 2023

**SAMPLING TIME** : 11:40 HOUR

**SAMPLING METHOD °** : GRAB, GRAB AND STERILE TECHNIQUE

**SAMPLING BY °** : [REDACTED]

**ANALYZED BY** : [REDACTED]

**RECEIVED DATE** : OCTOBER 6, 2023

**ANALYTICAL DATE** : OCTOBER 6-18, 2023

**REPORT NO.** : 2023-U089394

**WORK NO.** : 2022-008320

**ANALYSIS NO.** : T23AT860-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	DETECTION LIMIT
			ถังปรับสภาพ (ระบบบำบัด) T23AT860-0001	
pH °	-	ELECTROMETRIC METHOD AT SITE (SM: PART 4500-H <sup>+</sup> B)	7.2 (30°C)	-
BIOCHEMICAL OXYGEN DEMAND °	mg/L	MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	192	2.0
SUSPENDED SOLIDS °	mg/L	SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: PART 2540 D)	57.2	5.0
TOTAL DISSOLVED SOLIDS °	mg/L	IN-HOUSE METHOD: UAE.TP.WAO.007 (TOTAL DISSOLVED SOLIDS DRIED AT 103-105 °C); SM: PART 2540 C	359	25
SETTLABLE SOLIDS °	mL/L	IMHOFF CONE (SM: PART 2540 F)	0.2	0.1
RESIDUAL CHLORINE °	mg/L Cl <sub>2</sub>	MODIFIED DPD COLOURIMETRIC METHOD (AT SITE)	ND	0.1
SULPHIDE °	mg/L	IODOMETRIC METHOD (SM: PART 4500-S <sub>2</sub> F)	2.7	0.50
TOTAL KJELDAHL NITROGEN °	mg/L	IN-HOUSE METHOD: UAE.TP.WAS.001 (KJELDAHL METHOD); SM: PART 4500-Norg C	71.8	1.5
FAT, OIL AND GREASE °	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: PART 5520 B)	5	3





PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	DETECTION LIMIT
			ถังปิ้งสภาพ (ระบบน้ำบด) T23AT860-0001	
MICROBIOLOGY				
COLIFORM BACTERIA <sup>b</sup>	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B)	>160,000	1.8
FAECAL COLIFORM BACTERIA <sup>b</sup>	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 E)	>160,000	1.8
SAMPLE CONDITION				
WATER'S COLOUR/TURBID			YELLOW/TURBID	
SEDIMENT			BROWN	

<sup>a</sup> : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

<sup>b</sup> : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

<sup>c</sup> : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

IN-HOUSE : BASED ON STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

ND : NON-DETECTABLE.

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LABORATORY SUPERVISOR

OCTOBER 24, 2023

## ANALYSIS REPORT

**PROJECT NAME** : การตรวจวัดคุณภาพสิ่งแวดล้อม และการตรวจสอบการปฏิบัติตามมาตรฐานการป้องกันและแก้ไขผลกระทบสิ่งแวดล้อม  
โครงการ GRANDE CENTRE POINT HOTEL SUKHUMVIT 55 ประจำปี 2566

**CUSTOMER NAME** : L&H HOTEL MANAGEMENT COMPANY LIMITED

**ADDRESS** : 300 SUKHUMVIT 55 (THONGLOR) KHLONG TAN NUEA WATTHANA BANGKOK 10110

**CONTACT INFORMATION** : TEL : 0 2020 8080, 08 7083 4737 e-mail : boonkhum.b@gcphotels.com

**SAMPLING SOURCE** : GRANDE CENTRE POINT HOTEL SUKHUMVIT 55

**SAMPLE TYPE** : EFFLUENT

**SAMPLING DATE** : OCTOBER 5, 2023

**SAMPLING TIME** : 11:45 HOUR

**SAMPLING METHOD °** : GRAB, GRAB AND STERILE TECHNIQUE

**SAMPLING BY °** : [REDACTED]

**ANALYZED BY** : [REDACTED]

**RECEIVED DATE** : OCTOBER 6, 2023

**ANALYTICAL DATE** : OCTOBER 6-18, 2023

**REPORT NO.** : 2023-U089396

**WORK NO.** : 2022-008320

**ANALYSIS NO.** : T23AT860-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			ส่งน้ำใส (ระบอบบำบัด) T23AT860-0002		
pH °	-	ELECTROMETRIC METHOD AT SITE (SM: PART 4500-H+ B)	7.2 (30°C)	5-9	-
BIOCHEMICAL OXYGEN DEMAND °	mg/L	MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	21.6	≤ 20	2.0
SUSPENDED SOLIDS °	mg/L	SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: PART 2540 D)	30.7	≤ 30	5.0
TOTAL DISSOLVED SOLIDS °	mg/L	IN-HOUSE METHOD: UAE.TP.WAO.007 (TOTAL DISSOLVED SOLIDS DRIED AT 103-105 °C); SM: PART 2540 C	368	500*	25
SETTLEABLE SOLIDS °	mL/L	IMHOFF CONE (SM: PART 2540 F)	< 0.1	≤ 0.5	0.1
RESIDUAL CHLORINE °	mg/L Cl <sub>2</sub>	MODIFIED DPD COLOURIMETRIC METHOD (AT SITE)	ND	-	0.1
SULPHIDE °	mg/L	IODOMETRIC METHOD (SM: PART 4500-S <sub>2</sub> F)	< 0.50	≤ 1.0	0.50
TOTAL KJELDAHL NITROGEN °	mg/L	IN-HOUSE METHOD: UAE.TP.WAS.001 (KJELDAHL METHOD); SM: PART 4500-Norg C	23.6	≤ 35	1.5
FAT, OIL AND GREASE °	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: PART 5520 B)	ND	≤ 20	3





PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			ส่งน้ำใส (ระบบบำบัด) T23AT860-0002		
MICROBIOLOGY					
COLIFORM BACTERIA <sup>b</sup>	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221B)	13,000	-	1.8
SAMPLE CONDITION					
WATER'S COLOUR/TURBID			YELLOW/TURBID		
SEDIMENT			BROWN		

<sup>a</sup> : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

<sup>b</sup> : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

<sup>c</sup> : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

IN-HOUSE : BASED ON STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

REGULATORY STANDARD : RANGE OR MAXIMUM PERMITTED VALUE FOR BUILDING EFFLUENT STANDARDS CLASS A, NOTIFICATION OF THE  
MINISTRY OF RESOURCES AND ENVIRONMENT, PUBLISHED IN THE ROYAL GOVERNMENT GAZETTE, VOL 122,  
PART 125 D, DATED DECEMBER 29, 2005 AND VOL 139 SPECIAL PART 171 D, DATED JULY 21, 2022.

500\* : PERMITTED EXCESS VALUE TO TOTAL DISSOLVED SOLIDS OF ACTUAL TAP WATER USED.

ND : NON-DETECTABLE.

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LABORATORY SUPERVISOR

OCTOBER 24, 2023

## ANALYSIS REPORT

**PROJECT NAME** : การตรวจวัดคุณภาพสิ่งแวดล้อม และการตรวจสอบการปฏิบัติตามมาตรฐานการป้องกันและแก้ไขผลกระทบสิ่งแวดล้อม  
โครงการ GRANDE CENTRE POINT HOTEL SUKHUMVIT 55 ประจำปี 2566

**CUSTOMER NAME** : L&H HOTEL MANAGEMENT COMPANY LIMITED

**ADDRESS** : 300 SUKHUMVIT 55 (THONGLOR) KHLONG TAN NUEA WATTHANA BANGKOK 10110

**CONTACT INFORMATION** : TEL : 0 2020 8080, 08 7083 4737 e-mail : boonkhun.b@gcphotels.com

**SAMPLING SOURCE** : GRANDE CENTRE POINT HOTEL SUKHUMVIT 55

**SAMPLE TYPE** : EFFLUENT

**SAMPLING DATE** : OCTOBER 5, 2023

**SAMPLING TIME** : 11:50 HOUR

**SAMPLING METHOD °** : GRAB, GRAB AND STERILE TECHNIQUE

**SAMPLING BY °** : [REDACTED]

**ANALYZED BY** : [REDACTED]

**RECEIVED DATE** : OCTOBER 6, 2023

**ANALYTICAL DATE** : OCTOBER 6-18, 2023

**REPORT NO.** : 2023-U089397

**WORK NO.** : 2022-008320

**ANALYSIS NO.** : T23AT860-0003

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			ปอดตรวจคุณภาพน้ำ T23AT860-0003		
pH °	-	ELECTROMETRIC METHOD AT SITE (SM: PART 4500-H <sup>+</sup> B)	7.2 (30°C)	5-9	-
BIOCHEMICAL OXYGEN DEMAND °	mg/L	MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	18.8	≤ 20	2.0
SUSPENDED SOLIDS °	mg/L	SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: PART 2540 D)	26.8	≤ 30	5.0
TOTAL DISSOLVED SOLIDS °	mg/L	IN-HOUSE METHOD: UAE.TP.WAO.007 (TOTAL DISSOLVED SOLIDS DRIED AT 103-105 °C); SM: PART 2540 C	373	500*	25
SETTLABLE SOLIDS °	mL/L	IMHOFF CONE (SM: PART 2540 F)	< 0.1	≤ 0.5	0.1
RESIDUAL CHLORINE °	mg/L Cl <sub>2</sub>	MODIFIED DPD COLOURIMETRIC METHOD (AT SITE)	ND	-	0.1
SULPHIDE °	mg/L	IODOMETRIC METHOD (SM: PART 4500-S <sub>2</sub> <sup>-</sup> F)	< 0.50	≤ 1.0	0.50
TOTAL KJELDAHL NITROGEN °	mg/L	IN-HOUSE METHOD: UAE.TP.WAS.001 (KJELDAHL METHOD); SM: PART 4500-Norg C	22.1	≤ 35	1.5
FAT, OIL AND GREASE °	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: PART 5520 B)	ND	≤ 20	3



PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			ปอดตรวจคุณภาพน้ำ T23AT860-0003		
MICROBIOLOGY					
COLIFORM BACTERIA <sup>b</sup>	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221B)	17,000	-	1.8
SAMPLE CONDITION					
WATER'S COLOUR/TURBID SEDIMENT			YELLOW/TURBID  BROWN		

<sup>a</sup> : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

<sup>b</sup> : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

<sup>c</sup> : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

IN-HOUSE : BASED ON STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

REGULATORY STANDARD : RANGE OR MAXIMUM PERMITTED VALUE FOR BUILDING EFFLUENT STANDARDS CLASS A, NOTIFICATION OF THE  
MINISTRY OF RESOURCES AND ENVIRONMENT, PUBLISHED IN THE ROYAL GOVERNMENT GAZETTE, VOL 122,  
PART 125 D, DATED DECEMBER 29, 2005 AND VOL 139 SPECIAL PART 171 D, DATED JULY 21, 2022.

500\* : PERMITTED EXCESS VALUE TO TOTAL DISSOLVED SOLIDS OF ACTUAL TAP WATER USED.

ND : NON-DETECTABLE.



LABORATORY SUPERVISOR

OCTOBER 24, 2023

## ANALYSIS REPORT

**PROJECT NAME** : การตรวจวัดคุณภาพสิ่งแวดล้อม และการตรวจสอบการปฏิบัติตามมาตรฐานการป้องกันและแก้ไขผลกระทบสิ่งแวดล้อม  
โครงการ GRANDE CENTRE POINT HOTEL SUKHUMVIT 55 ประจำปี 2566

**CUSTOMER NAME** : L&H HOTEL MANAGEMENT COMPANY LIMITED

**ADDRESS** : 300 SUKHUMVIT 55 (THONGLOR) KHLONG TAN NUEA WATTHANA BANGKOK 10110

**CONTACT INFORMATION** : TEL : 0 2020 8080, 08 7083 4737 e-mail : boonkhum.b@gcphotels.com

**SAMPLING SOURCE** : GRANDE CENTRE POINT HOTEL SUKHUMVIT 55

**SAMPLE TYPE** : WATER SUPPLY **RECEIVED DATE** : OCTOBER 6, 2023

**SAMPLING DATE** : OCTOBER 5, 2023 **ANALYTICAL DATE** : OCTOBER 6-10, 2023

**SAMPLING TIME** : 11:55 HOUR **REPORT NO.** : 2023-U088133

**SAMPLING METHOD °** : GRAB **WORK NO.** : 2022-008320

**SAMPLING BY °** : [REDACTED] **ANALYSIS NO.** : T23AT860-0004

**ANALYZED BY** : [REDACTED]

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	DETECTION LIMIT
			WATER SUPPLY T23AT860-0004	
TOTAL DISSOLVED SOLIDS <sup>b</sup>	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: PART 2540 C)	169	25
<b>SAMPLE CONDITION</b> WATER'S COLOUR/TURBID SEDIMENT			YELLOW/CLEAR -	

<sup>a</sup> : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

<sup>b</sup> : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

<sup>c</sup> : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

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[REDACTED SIGNATURE]  
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LABORATORY SUPERVISOR

OCTOBER 24, 2023



## ANALYSIS REPORT

**PROJECT NAME** : การตรวจวัดคุณภาพสิ่งแวดล้อม และการตรวจสอบการปฏิบัติตามมาตรฐานการป้องกันและแก้ไขผลกระทบสิ่งแวดล้อม  
โครงการ GRANDE CENTRE POINT HOTEL SUKHUMVIT 55 ประจำปี 2566

**CUSTOMER NAME** : L&H HOTEL MANAGEMENT COMPANY LIMITED

**ADDRESS** : 300 SUKHUMVIT 55 (THONGLOR) KHLONG TAN NUEA WATTHANA BANGKOK 10110

**CONTACT INFORMATION** : TEL : 0 2020 8080, 08 7083 4737 e-mail : boonkhum.b@gcphotels.com

**SAMPLING SOURCE** : GRANDE CENTRE POINT HOTEL SUKHUMVIT 55

**SAMPLE TYPE** : WASTEWATER

**SAMPLING DATE** : NOVEMBER 1, 2023

**SAMPLING TIME** : 11:20 HOUR

**SAMPLING METHOD °** : GRAB, GRAB AND STERILE TECHNIQUE

**SAMPLING BY °** : [REDACTED]

**ANALYZED BY** : [REDACTED]

**RECEIVED DATE** : NOVEMBER 1, 2023

**ANALYTICAL DATE** : NOVEMBER 1-9, 2023

**REPORT NO.** : 2023-U096385

**WORK NO.** : 2022-008320

**ANALYSIS NO.** : T23AV716-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	DETECTION LIMIT
			ถังปรับสภาพ (ระบบบำบัด) T23AV716-0001	
pH °	-	ELECTROMETRIC METHOD (AT SITE) SM: PART 4500 -H* B AND 1060 B	7.4 (31°C)	-
BIOCHEMICAL OXYGEN DEMAND °	mg/L	MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	124	2.0
SUSPENDED SOLIDS °	mg/L	SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: PART 2540 D)	52.4	5.0
TOTAL DISSOLVED SOLIDS °	mg/L	IN-HOUSE METHOD: UAE.TP.WAO.007 (TOTAL DISSOLVED SOLIDS DRIED AT 103-105 °C); SM: PART 2540 C	328	25
SETTLABLE SOLIDS °	mL/L	IMHOFF CONE (SM: PART 2540 F)	0.6	0.1
RESIDUAL CHLORINE °	mg/L Cl <sub>2</sub>	MODIFIED DPD COLOURIMETRIC METHOD (AT SITE)	ND	0.1
SULPHIDE °	mg/L	IODOMETRIC METHOD (SM: PART 4500-S <sup>2-</sup> F)	< 0.50	0.50
TOTAL KJELDAHL NITROGEN °	mg/L	IN-HOUSE METHOD: UAE.TP.WAS.001 (KJELDAHL METHOD); SM: PART 4500-Norg C	66.5	1.5
FAT, OIL AND GREASE °	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: PART 5520 B)	ND	3



PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	DETECTION LIMIT
			ถึงประสิทธิภาพ (ระบบบำบัด) T23AV716-0001	
MICROBIOLOGY				
COLIFORM BACTERIA <sup>b</sup>	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221B)	>160,000	1.8
FAECAL COLIFORM BACTERIA <sup>b</sup>	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221E)	>160,000	1.8
SAMPLE CONDITION				
WATER'S COLOUR/TURBID SEDIMENT			YELLOW/TURBID BROWN	

<sup>a</sup> : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

<sup>b</sup> : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

<sup>c</sup> : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

IN-HOUSE : BASED ON STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

ND : NON-DETECTABLE.

[REDACTED]

LABORATORY SUPERVISOR

NOVEMBER 10, 2023



## ANALYSIS REPORT

**PROJECT NAME** : การตรวจวัดคุณภาพสิ่งแวดล้อม และการตรวจสอบการปฏิบัติตามมาตรการป้องกันและแก้ไขผลกระทบสิ่งแวดล้อม  
โครงการ GRANDE CENTRE POINT HOTEL SUKHUMVIT 55 ประจำปี 2566  
**CUSTOMER NAME** : L&H HOTEL MANAGEMENT COMPANY LIMITED  
**ADDRESS** : 300 SUKHUMVIT 55 (THONGLOR) KHLONG TAN NUEA WATTHANA BANGKOK 10110  
**CONTACT INFORMATION** : TEL : 0 2020 8080, 08 7083 4737 e-mail : boonkhum.b@gcphotels.com  
**SAMPLING SOURCE** : GRANDE CENTRE POINT HOTEL SUKHUMVIT 55  
**SAMPLE TYPE** : EFFLUENT  
**SAMPLING DATE** : NOVEMBER 1, 2023  
**SAMPLING TIME** : 11:25 HOUR  
**SAMPLING METHOD °** : GRAB, GRAB AND STERILE TECHNIQUE  
**SAMPLING BY °** : XXXXXXXXXX  
**ANALYZED BY °** : XXXXXXXXXX

**RECEIVED DATE** : NOVEMBER 1, 2023  
**ANALYTICAL DATE** : NOVEMBER 1-9, 2023  
**REPORT NO.** : 2023-U096386  
**WORK NO.** : 2022-008320  
**ANALYSIS NO.** : T23AV716-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			ส่งน้ำใส (ระบบบำบัด) T23AV716-0002		
pH °	-	ELECTROMETRIC METHOD (AT SITE) SM: PART 4500-H <sup>+</sup> B AND 1060 B	6.8 (31°C)	5-9	-
BIOCHEMICAL OXYGEN DEMAND <sup>a</sup>	mg/L	MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	34.2	≤ 20	2.0
SUSPENDED SOLIDS <sup>a</sup>	mg/L	SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: PART 2540 D)	35.2	≤ 30	5.0
TOTAL DISSOLVED SOLIDS <sup>b</sup>	mg/L	IN-HOUSE METHOD: UAE.TP.WAO.007 (TOTAL DISSOLVED SOLIDS DRIED AT 103-105 °C); SM: PART 2540 C	300	500*	25
SETTLABLE SOLIDS °	mL/L	IMHOFF CONE (SM: PART 2540 F)	0.1	≤ 0.5	0.1
RESIDUAL CHLORINE °	mg/L Cl <sub>2</sub>	MODIFIED DPD COLOURIMETRIC METHOD (AT SITE)	ND	-	0.1
SULPHIDE <sup>b</sup>	mg/L	IODOMETRIC METHOD (SM: PART 4500 -S <sup>2-</sup> F)	< 0.50	≤ 1.0	0.50
TOTAL KJELDAHL NITROGEN <sup>b</sup>	mg/L	IN-HOUSE METHOD: UAE.TP.WAS.001 (KJELDAHL METHOD); SM: PART 4500-Norg C	13.6	≤ 35	1.5
FAT, OIL AND GREASE °	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: PART 5520 B)	ND	≤ 20	3



PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			ถังน้ำใส (ระบอบน้ำปัส) T23AV716-0002		
MICROBIOLOGY					
COLIFORM BACTERIA <sup>b</sup>	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221B)	7,900	-	1.8
SAMPLE CONDITION					
WATER'S COLOUR/TURBID SEDIMENT			YELLOW/TURBID  BROWN		

<sup>a</sup> : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

<sup>b</sup> : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

<sup>c</sup> : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

IN-HOUSE : BASED ON STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

REGULATORY STANDARD : RANGE OR MAXIMUM PERMITTED VALUE FOR BUILDING EFFLUENT STANDARDS CLASS A, NOTIFICATION OF THE  
MINISTRY OF RESOURCES AND ENVIRONMENT, PUBLISHED IN THE ROYAL GOVERNMENT GAZETTE, VOL 122,  
PART 125 D, DATED DECEMBER 29, 2005 AND VOL 139 SPECIAL PART 171 D, DATED JULY 21, 2022.

500\* : PERMITTED EXCESS VALUE TO TOTAL DISSOLVED SOLIDS OF ACTUAL TAP WATER USED.

ND : NON-DETECTABLE.

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[REDACTED]  
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LABORATORY SUPERVISOR

NOVEMBER 10, 2023



## ANALYSIS REPORT

**PROJECT NAME** : การตรวจวัดคุณภาพสิ่งแวดล้อม และการตรวจสอบการปฏิบัติตามมาตรการป้องกันและแก้ไขผลกระทบสิ่งแวดล้อม  
โครงการ GRANDE CENTRE POINT HOTEL SUKHUMVIT 55 ประจำปี 2566

**CUSTOMER NAME** : L&H HOTEL MANAGEMENT COMPANY LIMITED

**ADDRESS** : 300 SUKHUMVIT 55 (THONGLOR) KHLONG TAN NUEA WATTHANA BANGKOK 10110

**CONTACT INFORMATION** : TEL : 0 2020 8080, 08 7083 4737 e-mail : boonkhum.b@gcphotels.com

**SAMPLING SOURCE** : GRANDE CENTRE POINT HOTEL SUKHUMVIT 55

**SAMPLE TYPE** : EFFLUENT

**SAMPLING DATE** : NOVEMBER 1, 2023

**SAMPLING TIME** : 11:30 HOUR

**SAMPLING METHOD °** : GRAB, GRAB AND STERILE TECHNIQUE

**SAMPLING BY °** : [REDACTED]

**ANALYZED BY** : [REDACTED]

**RECEIVED DATE** : NOVEMBER 1, 2023

**ANALYTICAL DATE** : NOVEMBER 1-9, 2023

**REPORT NO.** : 2023-U096387

**WORK NO.** : 2022-008320

**ANALYSIS NO.** : T23AV716-0003

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			ไม่ตรวจคุณภาพน้ำ T23AV716-0003		
pH °	-	ELECTROMETRIC METHOD (AT SITE) SM: PART 4500-H <sup>+</sup> B AND 1060 B	6.4 (31°C)	5-9	-
BIOCHEMICAL OXYGEN DEMAND <sup>a</sup>	mg/L	MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	13.6	≤ 20	2.0
SUSPENDED SOLIDS <sup>a</sup>	mg/L	SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: PART 2540 D)	25.0	≤ 30	5.0
TOTAL DISSOLVED SOLIDS <sup>b</sup>	mg/L	IN-HOUSE METHOD: UAE.TP.WAO.007 (TOTAL DISSOLVED SOLIDS DRIED AT 103-105 °C); SM: PART 2540 C	306	500*	25
SETTLABLE SOLIDS °	mL/L	IMHOFF CONE (SM: PART 2540 F)	< 0.1	≤ 0.5	0.1
RESIDUAL CHLORINE °	mg/L Cl <sub>2</sub>	MODIFIED DPD COLOURIMETRIC METHOD (AT SITE)	ND	-	0.1
SULPHIDE <sup>b</sup>	mg/L	IODOMETRIC METHOD (SM: PART 4500 -S <sup>2-</sup> F)	< 0.50	≤ 1.0	0.50
TOTAL KJELDAHL NITROGEN <sup>b</sup>	mg/L	IN-HOUSE METHOD: UAE.TP.WAS.001 (KJELDAHL METHOD); SM: PART 4500-Norg C	10.9	≤ 35	1.5
FAT, OIL AND GREASE °	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: PART 5520 B)	ND	≤ 20	3



PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			มาตรฐานคุณภาพน้ำ T23AV716-0003		
MICROBIOLOGY					
COLIFORM BACTERIA <sup>b</sup>	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B)	7,000	-	1.8
SAMPLE CONDITION					
WATER'S COLOUR/TURBID SEDIMENT			YELLOW/TURBID BROWN		

<sup>a</sup> : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

<sup>b</sup> : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

<sup>c</sup> : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

IN-HOUSE : BASED ON STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

REGULATORY STANDARD : RANGE OR MAXIMUM PERMITTED VALUE FOR BUILDING EFFLUENT STANDARDS CLASS A, NOTIFICATION OF THE  
MINISTRY OF RESOURCES AND ENVIRONMENT, PUBLISHED IN THE ROYAL GOVERNMENT GAZETTE, VOL 122,  
PART 125 D, DATED DECEMBER 29, 2005 AND VOL 139 SPECIAL PART 171 D, DATED JULY 21, 2022.

500\* : PERMITTED EXCESS VALUE TO TOTAL DISSOLVED SOLIDS OF ACTUAL TAP WATER USED.

ND : NON-DETECTABLE.

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LABORATORY SUPERVISOR

NOVEMBER 10, 2023

## ANALYSIS REPORT

**PROJECT NAME** : การตรวจวัดคุณภาพสิ่งแวดล้อม และการตรวจสอบการปฏิบัติตามมาตรฐานการป้องกันและแก้ไขผลกระทบสิ่งแวดล้อม  
โครงการ GRANDE CENTRE POINT HOTEL SUKHUMVIT 55 ประจำปี 2566

**CUSTOMER NAME** : L&H HOTEL MANAGEMENT COMPANY LIMITED

**ADDRESS** : 300 SUKHUMVIT 55 (THONGLOR) KHLONG TAN NUEA WATTHANA BANGKOK 10110

**CONTACT INFORMATION** : TEL : 0 2020 8080, 08 7083 4737 e-mail : boonkhum.b@gcphotels.com

**SAMPLING SOURCE** : GRANDE CENTRE POINT HOTEL SUKHUMVIT 55

**SAMPLE TYPE** : WATER SUPPLY **RECEIVED DATE** : NOVEMBER 1, 2023

**SAMPLING DATE** : NOVEMBER 1, 2023 **ANALYTICAL DATE** : NOVEMBER 1-7, 2023

**SAMPLING TIME** : 11:35 HOUR **REPORT NO.** : 2023-U096114

**SAMPLING METHOD <sup>c</sup>** : GRAB **WORK NO.** : 2022-008320

**SAMPLING BY <sup>c</sup>** : XXXXXXXXXX **ANALYSIS NO.** : T23AV716-0006

**ANALYZED BY** : XXXXXXXXXX

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	DETECTION LIMIT
			WATER SUPPLY T23AV716-0006	
TOTAL DISSOLVED SOLIDS <sup>b</sup>	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: PART 2540 C)	137	25
<b>SAMPLE CONDITION</b> WATER'S COLOUR/TURBID SEDIMENT			COLOURLESS/CLEAR -	

<sup>a</sup> : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

<sup>b</sup> : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

<sup>c</sup> : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

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LABORATORY SUPERVISOR

NOVEMBER 10, 2023



## ANALYSIS REPORT

**PROJECT NAME** : การตรวจวัดคุณภาพสิ่งแวดล้อม และการตรวจสอบการปฏิบัติตามมาตรการป้องกันและแก้ไขผลกระทบสิ่งแวดล้อม  
โครงการ GRANDE CENTRE POINT HOTEL SUKHUMVIT 55 ประจำปี 2566

**CUSTOMER NAME** : L&H HOTEL MANAGEMENT COMPANY LIMITED

**ADDRESS** : 300 SUKHUMVIT 55 (THONGLOR) KHLONG TAN NUEA WATTHANA BANGKOK 10110

**CONTACT INFORMATION** : TEL : 0 2020 8080, 08 7083 4737 e-mail : boonkhum.b@gcphotels.com

**SAMPLING SOURCE** : GRANDE CENTRE POINT HOTEL SUKHUMVIT 55

**SAMPLE TYPE** : WASTEWATER

**SAMPLING DATE** : DECEMBER 9, 2023

**SAMPLING TIME** : 11:25 HOUR

**SAMPLING METHOD °** : GRAB, GRAB AND STERILE TECHNIQUE

**SAMPLING BY °** : [REDACTED]

**ANALYZED BY** : [REDACTED]

**RECEIVED DATE** : DECEMBER 9, 2023

**ANALYTICAL DATE** : DECEMBER 9-18, 2023

**REPORT NO.** : 2023-U109253

**WORK NO.** : 2022-008320

**ANALYSIS NO.** : T23AY698-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	DETECTION LIMIT
			ทั้งปรับสภาพ (ระบบบำบัด) T23AY698-0001	
pH °	-	ELECTROMETRIC METHOD (AT SITE) SM: PART 4500 -H+ B AND 1060 B	7.1 (30°C)	-
BIOCHEMICAL OXYGEN DEMAND °	mg/L	MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	152	2.0
SUSPENDED SOLIDS °	mg/L	SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: PART 2540 D)	68.5	5.0
TOTAL DISSOLVED SOLIDS °	mg/L	IN-HOUSE METHOD: UAE.TP.WAO.007 (TOTAL DISSOLVED SOLIDS DRIED AT 103-105 °C); SM: PART 2540 C	346	25
SETTLEABLE SOLIDS °	mL/L	IMHOFF CONE (SM: PART 2540 F)	0.8	0.1
RESIDUAL CHLORINE °	mg/L Cl <sub>2</sub>	MODIFIED DPD COLOURIMETRIC METHOD (AT SITE)	ND	0.1
SULPHIDE °	mg/L	IODOMETRIC METHOD (SM: PART 4500-S <sup>2-</sup> F)	1.7	0.50
TOTAL KJELDAHL NITROGEN °	mg/L	IN-HOUSE METHOD: UAE.TP.WAS.001 (KJELDAHL METHOD); SM: PART 4500-Norg C	49.3	1.5
FAT, OIL AND GREASE °	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: PART 5520 B)	4	3



PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	DETECTION LIMIT
			ถึงปริมณฑล (ระบณพำนัด) T23AY698-0001	
MICROBIOLOGY				
COLIFORM BACTERIA <sup>b</sup>	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B)	>160,000	1.8
FAECAL COLIFORM BACTERIA <sup>b</sup>	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 E)	>160,000	1.8
SAMPLE CONDITION				
WATER'S COLOUR/TURBID			YELLOW/TURBID	
SEDIMENT			BROWN	

<sup>a</sup> : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

<sup>b</sup> : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

<sup>c</sup> : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

IN-HOUSE : BASED ON STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

ND : NON-DETECTABLE.

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[REDACTED SIGNATURE]  
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LABORATORY SUPERVISOR

DECEMBER 20, 2023

## ANALYSIS REPORT

**PROJECT NAME** : การตรวจวัดคุณภาพสิ่งแวดล้อม และการตรวจสอบการปฏิบัติตามมาตรฐานการป้องกันและแก้ไขผลกระทบสิ่งแวดล้อม  
**CUSTOMER NAME** : โครงการ GRANDE CENTRE POINT HOTEL SUKHUMVIT 55 ประจำปี 2566  
**ADDRESS** : L&H HOTEL MANAGEMENT COMPANY LIMITED  
**CONTACT INFORMATION** : 300 SUKHUMVIT 55 (THONGLOR) KHLONG TAN NUEA WATTHANA BANGKOK 10110  
**SAMPLING SOURCE** : TEL : 0 2020 8080, 08 7083 4737 e-mail : boonkhum.b@gcphotels.com  
**SAMPLE TYPE** : GRANDE CENTRE POINT HOTEL SUKHUMVIT 55  
**SAMPLING DATE** : EFFLUENT  
**SAMPLING TIME** : DECEMBER 9, 2023  
**SAMPLING METHOD** : RECEIVED DATE : DECEMBER 9, 2023  
**SAMPLING BY** : ANALYTICAL DATE : DECEMBER 9-18, 2023  
**ANALYZED BY** : REPORT NO. : 2023-U109254  
 WORK NO. : 2022-008320  
 ANALYSIS NO. : T23AY698-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			ถังน้ำใส (ระบบบำบัด) T23AY698-0002		
pH <sup>c</sup>	-	ELECTROMETRIC METHOD (AT SITE) SM: PART 4500-H <sup>+</sup> B AND 1060 B	5.6 (29°C)	5-9	-
BIOCHEMICAL OXYGEN DEMAND** <sup>a</sup>	mg/L	MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	3.8	≤ 20	2.0
SUSPENDED SOLIDS <sup>a</sup>	mg/L	SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: PART 2540 D)	25.8	≤ 30	5.0
TOTAL DISSOLVED SOLIDS <sup>b</sup>	mg/L	IN-HOUSE METHOD: UAE.TP.WAO.007 (TOTAL DISSOLVED SOLIDS DRIED AT 103-105 °C); SM: PART 2540 C	393	500*	25
SETTLEABLE SOLIDS <sup>c</sup>	mL/L	IMHOFF CONE (SM: PART 2540 F)	< 0.1	≤ 0.5	0.1
RESIDUAL CHLORINE <sup>c</sup>	mg/L Cl <sub>2</sub>	MODIFIED DPD COLOURIMETRIC METHOD (AT SITE)	ND	-	0.1
SULPHIDE <sup>b</sup>	mg/L	IODOMETRIC METHOD (SM: PART 4500-S <sub>2</sub> -F)	< 0.50	≤ 1.0	0.50
TOTAL KJELDAHL NITROGEN <sup>b</sup>	mg/L	IN-HOUSE METHOD: UAE.TP.WAS.001 (KJELDAHL METHOD); SM: PART 4500-Norg C	7.0	≤ 35	1.5
FAT, OIL AND GREASE <sup>c</sup>	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: PART 5520 B)	ND	≤ 20	3





PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			กึ่งน้ำใจ (ระบบน้ำใจ) T23AY698-0002		
MICROBIOLOGY					
COLIFORM BACTERIA <sup>b</sup>	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221B)	7,900	-	1.8
SAMPLE CONDITION					
WATER'S COLOUR/TURBID					
SEDIMENT					

<sup>a</sup> : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

<sup>b</sup> : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

<sup>c</sup> : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

IN-HOUSE : BASED ON STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

REGULATORY STANDARD : RANGE OR MAXIMUM PERMITTED VALUE FOR BUILDING EFFLUENT STANDARDS CLASS A, NOTIFICATION OF THE  
MINISTRY OF RESOURCES AND ENVIRONMENT, PUBLISHED IN THE ROYAL GOVERNMENT GAZETTE, VOL 122,  
PART 125 D, DATED DECEMBER 29, 2005 AND VOL 139 SPECIAL PART 171 D, DATED JULY 21, 2022.

500\* : PERMITTED EXCESS VALUE TO TOTAL DISSOLVED SOLIDS OF ACTUAL TAP WATER USED.

ND : NON-DETECTABLE.

\*\* : ADDITION OF NITRIFICATION INHIBITION (TCMP) FOLLOW TO THE SM: 5210B.5(e).

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LABORATORY SUPERVISOR

DECEMBER 20, 2023

## ANALYSIS REPORT

**PROJECT NAME** : การตรวจวัดคุณภาพสิ่งแวดล้อม และการตรวจสอบการปฏิบัติตามมาตรฐานการป้องกันและแก้ไขผลกระทบสิ่งแวดล้อม  
โครงการ GRANDE CENTRE POINT HOTEL SUKHUMVIT 55 ประจำปี 2566

**CUSTOMER NAME** : L&H HOTEL MANAGEMENT COMPANY LIMITED

**ADDRESS** : 300 SUKHUMVIT 55 (THONGLOR) KHLONG TAN NUEA WATTHANA BANGKOK 10110

**CONTACT INFORMATION** : TEL : 0 2020 8080, 08 7083 4737 e-mail : boonkhum.b@gcphotels.com

**SAMPLING SOURCE** : GRANDE CENTRE POINT HOTEL SUKHUMVIT 55

**SAMPLE TYPE** : EFFLUENT

**SAMPLING DATE** : DECEMBER 9, 2023

**SAMPLING TIME** : 11:35 HOUR

**SAMPLING METHOD °** : GRAB, GRAB AND STERILE TECHNIQUE

**SAMPLING BY °** : [REDACTED]

**ANALYZED BY** : [REDACTED]

**RECEIVED DATE** : DECEMBER 9, 2023

**ANALYTICAL DATE** : DECEMBER 9-18, 2023

**REPORT NO.** : 2023-U109255

**WORK NO.** : 2022-008320

**ANALYSIS NO.** : T23AY698-0003

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			บ่อตรวจคุณภาพน้ำ T23AY698-0003		
pH °	-	ELECTROMETRIC METHOD (AT SITE) SM: PART 4500-H <sup>+</sup> B AND 1060 B	5.7 (29°C)	5-9	-
BIOCHEMICAL OXYGEN DEMAND** a	mg/L	MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	11.9	≤ 20	2.0
SUSPENDED SOLIDS a	mg/L	SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: PART 2540 D)	53.4	≤ 30	5.0
TOTAL DISSOLVED SOLIDS b	mg/L	IN-HOUSE METHOD: UAE.TP.WAO.007 (TOTAL DISSOLVED SOLIDS DRIED AT 103-105 °C); SM: PART 2540 C	398	500*	25
SETTLABLE SOLIDS °	mL/L	IMHOFF CONE (SM: PART 2540 F)	< 0.1	≤ 0.5	0.1
RESIDUAL CHLORINE °	mg/L Cl <sub>2</sub>	MODIFIED DPD COLOURIMETRIC METHOD (AT SITE)	ND	-	0.1
SULPHIDE b	mg/L	IODOMETRIC METHOD (SM: PART 4500 -S <sup>2-</sup> F)	< 0.50	≤ 1.0	0.50
TOTAL KJELDAHL NITROGEN b	mg/L	IN-HOUSE METHOD: UAE.TP.WAS.001 (KJELDAHL METHOD); SM: PART 4500-Norg C	9.5	≤ 35	1.5
FAT, OIL AND GREASE °	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: PART 5520 B)	ND	≤ 20	3



PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			มาตรฐานคุณภาพน้ำ T23AY698-0003		
MICROBIOLOGY					
COLIFORM BACTERIA <sup>b</sup>	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B)	17,000	-	1.8
SAMPLE CONDITION					
WATER'S COLOUR/TURBID SEDIMENT			YELLOW/TURBID BROWN		

<sup>a</sup> : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

<sup>b</sup> : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

<sup>c</sup> : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

IN-HOUSE : BASED ON STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

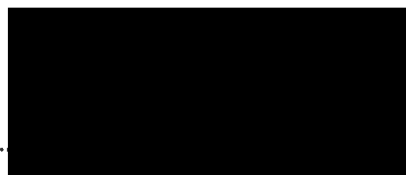
SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

REGULATORY STANDARD : RANGE OR MAXIMUM PERMITTED VALUE FOR BUILDING EFFLUENT STANDARDS CLASS A, NOTIFICATION OF THE MINISTRY OF RESOURCES AND ENVIRONMENT, PUBLISHED IN THE ROYAL GOVERNMENT GAZETTE, VOL. 122, PART 125 D, DATED DECEMBER 29, 2005 AND VOL. 139 SPECIAL PART 171 D, DATED JULY 21, 2022.

500\* : PERMITTED EXCESS VALUE TO TOTAL DISSOLVED SOLIDS OF ACTUAL TAP WATER USED.

ND : NON-DETECTABLE.

\*\* : ADDITION OF NITRIFICATION INHIBITION (TCMP) FOLLOW TO THE SM: 5210B,5(e).



LABORATORY SUPERVISOR

DECEMBER 20, 2023

## ANALYSIS REPORT

**PROJECT NAME** : การตรวจวัดคุณภาพสิ่งแวดล้อม และการตรวจสอบการปฏิบัติตามมาตรฐานการป้องกันและแก้ไขผลกระทบสิ่งแวดล้อม  
 โครงการ GRANDE CENTRE POINT HOTEL SUKHUMVIT 55 ประจำปี 2566

**CUSTOMER NAME** : L&H HOTEL MANAGEMENT COMPANY LIMITED

**ADDRESS** : 300 SUKHUMVIT 55 (THONGLOR) KHLONG TAN NUEA WATTHANA BANGKOK 10110

**CONTACT INFORMATION** : TEL : 0 2020 8080, 08 7083 4737 e-mail : boonkhum.b@gcphotels.com

**SAMPLING SOURCE** : GRANDE CENTRE POINT HOTEL SUKHUMVIT 55

**SAMPLE TYPE** : WATER SUPPLY **RECEIVED DATE** : DECEMBER 9, 2023

**SAMPLING DATE** : DECEMBER 9, 2023 **ANALYTICAL DATE** : DECEMBER 9-15, 2023

**SAMPLING TIME** : 11:40 HOUR **REPORT NO.** : 2023-U109258

**SAMPLING METHOD <sup>c</sup>** : GRAB **WORK NO.** : 2022-008320

**SAMPLING BY <sup>c</sup>** : [REDACTED] **ANALYSIS NO.** : T23AY698-0006

**ANALYZED BY** : [REDACTED]

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	DETECTION LIMIT
			WATER SUPPLY T23AY698-0006	
TOTAL DISSOLVED SOLIDS <sup>b</sup>	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: PART 2540 C)	205	25
<b>SAMPLE CONDITION</b> WATER'S COLOUR/TURBID SEDIMENT			COLOURLESS/CLEAR -	

<sup>a</sup> : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

<sup>b</sup> : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

<sup>c</sup> : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

..... [REDACTED] .....

LABORATORY SUPERVISOR

DECEMBER 20, 2023



ภาคผนวก ค-3

ผลการติดตามตรวจสอบคุณภาพน้ำทิ้งจาก  
ระบบปรับอากาศและระบายอากาศ

## ANALYSIS REPORT

**PROJECT NAME** : การตรวจวัดคุณภาพสิ่งแวดล้อม และการตรวจสอบการปฏิบัติตามมาตรฐานการป้องกันและแก้ไขผลกระทบสิ่งแวดล้อม  
โครงการ GRANDE CENTRE POINT HOTEL SUKHUMVIT 55 ประจำปี 2566

**CUSTOMER NAME** : L&H HOTEL MANAGEMENT COMPANY LIMITED

**ADDRESS** : 300 SUKHUMVIT 55 (THONGLOR) KHLONG TAN NUEA WATTHANA BANGKOK 10110

**CONTACT INFORMATION** : TEL : 0 2020 8080, 08 7083 4737 e-mail : boonkhum.b@gcphotels.com

**SAMPLING SOURCE** : COOLING TOWER OF GRANDE CENTRE POINT HOTEL SUKHUMVIT 55

**SAMPLE TYPE** : COOLING WATER **RECEIVED DATE** : JULY 5, 2023

**SAMPLING DATE** : JULY 5, 2023 **ANALYTICAL DATE** : JULY 5-13, 2023

**SAMPLING TIME** : 11:40 HOUR **REPORT NO.** : 2023-U060153

**SAMPLING METHOD \*** : GRAB, GRAB AND STERILE TECHNIQUE **WORK NO.** : 2022-008320

**SAMPLING BY \*** : [REDACTED] **ANALYSIS NO.** : T23AM805-0004

**ANALYZED BY** : [REDACTED]

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	DETECTION LIMIT
			จุดน้ำดื่มเข้าระบบ T23AM805-0004	
pH *	-	ELECTROMETRIC METHOD AT SITE (SM: PART 4500-H <sup>+</sup> B)	7.8 (30°C)	-
RESIDUAL CHLORINE *	mg/L Cl <sub>2</sub>	MODIFIED DPD COLOURIMETRIC METHOD (AT SITE)	ND	0.1
MICROBIOLOGY				
COLIFORM BACTERIA *	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221B)	7.8	1.8
<i>Legionella</i> spp. #	CFU/L	ISO 11731:2017-05 (E)	NOT DETECTED	-
<b>SAMPLE CONDITION</b>				
WATER'S COLOUR/TURBID			COLOURLESS/CLEAR	
SEDIMENT			-	

# : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF MEDICAL SCIENCE (DMSC)

\* : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

ND : NON-DETECTABLE.

.....  
  
 .....  
 LABORATORY SUPERVISOR

JULY 21, 2023





## ANALYSIS REPORT

**PROJECT NAME** : การตรวจวัดคุณภาพสิ่งแวดล้อม และการตรวจสอบการปฏิบัติตามมาตรการป้องกันและแก้ไขผลกระทบสิ่งแวดล้อม  
โครงการ GRANDE CENTRE POINT HOTEL SUKHUMVIT 55 ประจำปี 2566

**CUSTOMER NAME** : L&H HOTEL MANAGEMENT COMPANY LIMITED

**ADDRESS** : 300 SUKHUMVIT 55 (THONGLOR) KHLONG TAN NUEA WATTHANA BANGKOK 10110

**CONTACT INFORMATION** : TEL : 0 2020 8080, 08 7083 4737 e-mail : boonkhum.b@gcphotels.com

**SAMPLING SOURCE** : COOLING TOWER OF GRANDE CENTRE POINT HOTEL SUKHUMVIT 55

**SAMPLE TYPE** : COOLING WATER **RECEIVED DATE** : JULY 5, 2023

**SAMPLING DATE** : JULY 5, 2023 **ANALYTICAL DATE** : JULY 5-12, 2023

**SAMPLING TIME** : 11:35 HOUR **REPORT NO.** : 2023-U060154

**SAMPLING METHOD** : GRAB, GRAB AND STERILE TECHNIQUE **WORK NO.** : 2022-008320

**SAMPLING BY** :  **ANALYSIS NO.** : T23AM805-0005

**ANALYZED BY** : 

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	DETECTION LIMIT
			อ้างอิงรับ (COOLING TOWER) T23AM805-0005	
pH	-	ELECTROMETRIC METHOD AT SITE (SM: PART 4500-H <sup>+</sup> B)	8.2 (29°C)	-
RESIDUAL CHLORINE	mg/L Cl <sub>2</sub>	MODIFIED DPD COLOURIMETRIC METHOD (AT SITE)	0.1	0.1
MICROBIOLOGY				
COLIFORM BACTERIA	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B)	7.8	1.8
<b>SAMPLE CONDITION</b> WATER'S COLOUR/TURBID SEDIMENT			COLOURLESS/CLEAR -	


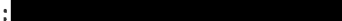
SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

LABORATORY SUPERVISOR

JULY 21, 2023



## ANALYSIS REPORT

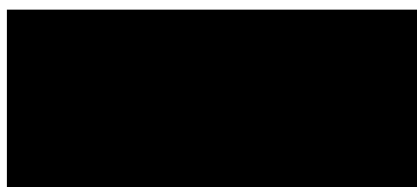
**PROJECT NAME** : การตรวจวัดคุณภาพสิ่งแวดล้อม และการตรวจสอบการปฏิบัติตามมาตรฐานการป้องกันและแก้ไขผลกระทบสิ่งแวดล้อม  
โครงการ GRANDE CENTRE POINT HOTEL SUKHUMVIT 55 ประจำปี 2566  
**CUSTOMER NAME** : L&H HOTEL MANAGEMENT COMPANY LIMITED  
**ADDRESS** : 300 SUKHUMVIT 55 (THONGLOR) KHLONG TAN NUEA WATTHANA BANGKOK 10110  
**CONTACT INFORMATION** : TEL : 0 2020 8080, 08 7083 4737 e-mail : boonkhum.b@gcphotels.com  
**SAMPLING SOURCE** : GRANDE CENTRE POINT HOTEL SUKHUMVIT 55  
**SAMPLE TYPE** : COOLING WATER  
**RECEIVED DATE** : JULY 5, 2023  
**SAMPLING DATE** : JULY 5, 2023  
**ANALYTICAL DATE** : JULY 5-18, 2023  
**SAMPLING TIME** : 11:45 HOUR  
**REPORT NO.** : 2023-U060155  
**SAMPLING METHOD \*** : GRAB, GRAB AND STERILE TECHNIQUE  
**WORK NO.** : 2022-008320  
**SAMPLING BY \*** :   
**ANALYSIS NO.** : T23AM805-0006  
**ANALYZED BY** : 

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			ท่อน้ำทิ้งจากหอพักเย็น (COOLING TOWER) T23AM805-0006		
pH *	-	ELECTROMETRIC METHOD AT SITE (SM: PART 4500-H <sup>+</sup> B)	8.4 (28°C)	-	-
RESIDUAL CHLORINE *	mg/L Cl <sub>2</sub>	MODIFIED DPD COLOURIMETRIC METHOD (AT SITE)	0.1	-	0.1
MICROBIOLOGY					
COLIFORM BACTERIA *	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B)	< 1.8	-	1.8
<i>Legionella</i> spp. #	CFU/L	ISO 11731:2017-05 (E)	2,000	NOT DETECTED	-
<b>SAMPLE CONDITION</b> WATER'S COLOUR/TURBID SEDIMENT			COLOURLESS/CLEAR		

# : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF MEDICAL SCIENCE (DMSC)  
\* : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

REGULATORY STANDARD : ANNOUNCEMENT OF THE DEPARTMENT OF HEALTH (THAILAND), PRACTICE FOR THE CONTROL OF LEGIONELLA BACTERIA IN COOLING TOWERS, JANUARY 2001.



LABORATORY SUPERVISOR


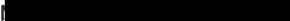
JULY 21, 2023



ภาคผนวก ค-4

ผลการติดตามตรวจสอบคุณภาพน้ำในสระว่ายนํ้า

## ANALYSIS REPORT

**PROJECT NAME** : การตรวจวัดคุณภาพสิ่งแวดล้อม และการตรวจสอบการปฏิบัติตามมาตรฐานการป้องกันและแก้ไขผลกระทบสิ่งแวดล้อม  
โครงการ GRANDE CENTRE POINT HOTEL SUKHUMVIT 55 ประจำปี 2566  
**CUSTOMER NAME** : L&H HOTEL MANAGEMENT COMPANY LIMITED  
**ADDRESS** : 300 SUKHUMVIT 55 (THONGLOR) KHLONG TAN NUEA WATTHANA BANGKOK 10110  
**CONTACT INFORMATION** : TEL : 0 2020 8080, 08 7083 4737 e-mail : boonkhum.b@gcphotels.com  
**SAMPLING SOURCE** : GRANDE CENTRE POINT HOTEL SUKHUMVIT 55  
**SAMPLE TYPE** : WATER SAMPLE FROM SWIMMING POOL  
**SAMPLING DATE** : JULY 5, 2023  
**SAMPLING TIME** : 11:55 HOUR  
**SAMPLING METHOD °** : GRAB, GRAB AND STERILE TECHNIQUE  
**SAMPLING BY °** :   
**ANALYZED BY** : 

**RECEIVED DATE** : JULY 5, 2023  
**ANALYTICAL DATE** : JULY 5-12, 2023  
**REPORT NO.** : 2023-U060158  
**WORK NO.** : 2022-008320  
**ANALYSIS NO.** : T23AM805-0008

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (SHALLOW ZONE) T23AM805-0008		
TOTAL DISSOLVED SOLIDS °	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: PART 2540 C)	4,790	-	25
MICROBIOLOGY					
COLIFORM BACTERIA °	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B)	< 1.1	< 10	1.1
<i>E. coli</i> °	/100 mL	FLUOROGENIC SUBSTRATE TEST (SM: PART 9221 D AND F)	NOT DETECTED	NOT DETECTED	-
<i>Pseudomonas aeruginosa</i> °	/100 mL	MEMBRANE FILTER TECHNIQUE (ISO 16266)	DETECTED	1/	-
<b>SAMPLE CONDITION</b> WATER'S COLOUR/TURBID SEDIMENT			COLOURLESS/CLEAR -		

° : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

° : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

° : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

REGULATORY STANDARD : BANGKOK METROPOLITAN REGULATIONS FOR THE BUSINESS DISTRIMENTAL TO HEALTH, B.E. 2530 (1987).



1/ : DISEASE-CAUSING BACTERIA IS NOT DETECTED.

LABORATORY SUPERVISOR

JULY 21, 2023



## ANALYSIS REPORT

**PROJECT NAME** : การตรวจวัดคุณภาพสิ่งแวดล้อม และการตรวจสอบการปฏิบัติตามมาตรฐานการป้องกันและแก้ไขผลกระทบสิ่งแวดล้อม  
โครงการ GRANDE CENTRE POINT HOTEL SUKHUMVIT 55 ประจำปี 2566  
**CUSTOMER NAME** : L&H HOTEL MANAGEMENT COMPANY LIMITED  
**ADDRESS** : 300 SUKHUMVIT 55 (THONGLOR) KHLONG TAN NUEA WATTHANA BANGKOK 10110  
**CONTACT INFORMATION** : TEL : 0 2020 8080, 08 7083 4737 e-mail : boonkhum.b@gcphotels.com  
**SAMPLING SOURCE** : GRANDE CENTRE POINT HOTEL SUKHUMVIT 55  
**SAMPLE TYPE** : WATER SAMPLE FROM SWIMMING POOL  
**SAMPLING DATE** : JULY 5, 2023  
**SAMPLING TIME** : 11:55 HOUR  
**SAMPLING METHOD \*** : GRAB AND STERILE TECHNIQUE  
**SAMPLING BY \*** :   
**ANALYZED BY** : 

**RECEIVED DATE** : JULY 5, 2023  
**ANALYTICAL DATE** : JULY 5-12, 2023  
**REPORT NO.** : 2023-U060159  
**WORK NO.** : 2022-008320  
**ANALYSIS NO.** : T23AM805-0008

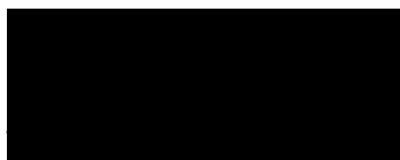
PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (SHALLOW ZONE) T23AM805-0008		
MICROBIOLOGY					
<i>Staphylococcus aureus</i> #	/100 mL	MEMBRANE FILTER TECHNIQUE (SM: PART 9213 B)	NOT DETECTED	1/	-
SAMPLE CONDITION					
WATER'S COLOUR/TURBID			COLOURLESS/CLEAR		
SEDIMENT			-		

# : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF MEDICAL SCIENCE (DMSC)  
\* : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

REGULATORY STANDARD : BANGKOK METROPOLITAN REGULATIONS FOR THE BUSINESS DISTRICTIONAL TO HEALTH, B.E. 2530 (1987).

1/ : DISEASE-CAUSING BACTERIA IS NOT DETECTED.

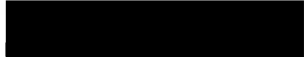
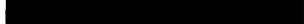


LABORATORY SUPERVISOR

JULY 21, 2023



## ANALYSIS REPORT

**PROJECT NAME** : การตรวจวัดคุณภาพสิ่งแวดล้อม และการตรวจสอบการปฏิบัติตามมาตรฐานการป้องกันและแก้ไขผลกระทบสิ่งแวดล้อม  
โครงการ GRANDE CENTRE POINT HOTEL SUKHUMVIT 55 ประจำปี 2566  
**CUSTOMER NAME** : L&H HOTEL MANAGEMENT COMPANY LIMITED  
**ADDRESS** : 300 SUKHUMVIT 55 (THONGLOR) KHLONG TAN NUEA WATTHANA BANGKOK 10110  
**CONTACT INFORMATION** : TEL : 0 2020 8080, 08 7083 4737 e-mail : boonkhum.b@gcphotels.com  
**SAMPLING SOURCE** : GRANDE CENTRE POINT HOTEL SUKHUMVIT 55  
**SAMPLE TYPE** : WATER SAMPLE FROM SWIMMING POOL  
**SAMPLING DATE** : JULY 5, 2023  
**SAMPLING TIME** : 11:50 HOUR  
**SAMPLING METHOD °** : GRAB AND STERILE TECHNIQUE  
**SAMPLING BY °** :   
**ANALYZED BY** : 

**RECEIVED DATE** : JULY 5, 2023  
**ANALYTICAL DATE** : JULY 5-12, 2023  
**REPORT NO.** : 2023-U060156  
**WORK NO.** : 2022-008320  
**ANALYSIS NO.** : T23AM805-0007

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (DEEP ZONE) T23AM805-0007		
MICROBIOLOGY					
COLIFORM BACTERIA <sup>b</sup>	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221B)	>23	< 10	1.1
<i>E. coli</i> <sup>b</sup>	/100 mL	FLUOROGENIC SUBSTRATE TEST (SM: PART 9221 D AND F)	DETECTED	NOT DETECTED	-
<i>Pseudomonas aeruginosa</i> <sup>c</sup>	/100 mL	MEMBRANE FILTER TECHNIQUE (ISO 16266)	NOT DETECTED	1/	-
SAMPLE CONDITION					
WATER'S COLOUR/TURBID SEDIMENT			COLOURLESS/CLEAR		

<sup>a</sup> : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

<sup>b</sup> : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

<sup>c</sup> : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

REGULATORY STANDARD : BANGKOK METROPOLITAN REGULATIONS FOR THE BUSINESS DISTRIMENTAL TO HEALTH, B.E. 2530 (1987).

1/ : DISEASE-CAUSING BACTERIA IS NOT DETECTED.





LABORATORY SUPERVISOR

JULY 21, 2023





## ANALYSIS REPORT

**PROJECT NAME** : การตรวจวัดคุณภาพสิ่งแวดล้อม และการตรวจสอบการปฏิบัติตามมาตรฐานการป้องกันและแก้ไขผลกระทบสิ่งแวดล้อม  
โครงการ GRANDE CENTRE POINT HOTEL SUKHUMVIT 55 ประจำปี 2566  
**CUSTOMER NAME** : L&H HOTEL MANAGEMENT COMPANY LIMITED  
**ADDRESS** : 300 SUKHUMVIT 55 (THONGLOR) KHLONG TAN NUEA WATTHANA BANGKOK 10110  
**CONTACT INFORMATION** : TEL : 0 2020 8080, 08 7083 4737 e-mail : boonkhum.b@gcphotels.com  
**SAMPLING SOURCE** : GRANDE CENTRE POINT HOTEL SUKHUMVIT 55  
**SAMPLE TYPE** : WATER SAMPLE FROM SWIMMING POOL  
**SAMPLING DATE** : JULY 5, 2023  
**SAMPLING TIME** : 11:50 HOUR  
**SAMPLING METHOD \*** : GRAB AND STERILE TECHNIQUE  
**SAMPLING BY \*** :   
**ANALYZED BY** : 

**RECEIVED DATE** : JULY 5, 2023  
**ANALYTICAL DATE** : JULY 5-12, 2023  
**REPORT NO.** : 2023-U060157  
**WORK NO.** : 2022-008320  
**ANALYSIS NO.** : T23AM805-0007

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (DEEP ZONE) T23AM805-0007		
MICROBIOLOGY					
<i>Staphylococcus aureus</i> #	/100 mL	MEMBRANE FILTER TECHNIQUE (SM: PART 9213 B)	NOT DETECTED	1/	-
SAMPLE CONDITION WATER'S COLOUR/TURBID SEDIMENT			COLOURLESS/CLEAR -		

# : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF MEDICAL SCIENCE (DMSC)  
\* : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

REGULATORY STANDARD : BANGKOK METROPOLITAN REGULATIONS FOR THE BUSINESS DISTRIEMENTAL TO HEALTH, B.E. 2530 (1987).


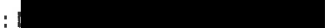
1/ : DISEASE-CAUSING BACTERIA IS NOT DETECTED.



LABORATORY SUPERVISOR

JULY 21, 2023

## ANALYSIS REPORT

**PROJECT NAME** : การตรวจวัดคุณภาพสิ่งแวดล้อม และการตรวจสอบการปฏิบัติตามมาตรการป้องกันและแก้ไขผลกระทบสิ่งแวดล้อม  
โครงการ GRANDE CENTRE POINT HOTEL SUKHUMVIT 55 ประจำปี 2566  
**CUSTOMER NAME** : L&H HOTEL MANAGEMENT COMPANY LIMITED  
**ADDRESS** : 300 SUKHUMVIT 55 (THONGLOR) KHLONG TAN NUEA WATTHANA BANGKOK 10110  
**CONTACT INFORMATION** : TEL : 0 2020 8080, 08 7083 4737 e-mail : boonkhum.b@gcphotels.com  
**SAMPLING SOURCE** : GRANDE CENTRE POINT HOTEL SUKHUMVIT 55  
**SAMPLE TYPE** : WATER SAMPLE FROM SWIMMING POOL  
**SAMPLING DATE** : JULY 12, 2023  
**SAMPLING TIME** : 10:25 HOUR  
**SAMPLING METHOD °** : GRAB, GRAB AND STERILE TECHNIQUE  
**SAMPLING BY °** :   
**ANALYZED BY** : 

**RECEIVED DATE** : JULY 12, 2023  
**ANALYTICAL DATE** : JULY 12-18, 2023  
**REPORT NO.** : 2023-U060657  
**WORK NO.** : 2022-008320  
**ANALYSIS NO.** : T23AN376-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (SHALLOW ZONE) T23AN376-0002		
TOTAL DISSOLVED SOLIDS °	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: PART 2540 C)	4,370	-	25
MICROBIOLOGY					
COLIFORM BACTERIA <sup>b</sup>	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B)	2.2	< 10	1.1
<i>E. coli</i> <sup>b</sup>	/100 mL	FLUOROGENIC SUBSTRATE TEST (SM: PART 9221 D AND F)	DETECTED	NOT DETECTED	-
<i>Pseudomonas aeruginosa</i> <sup>c</sup>	/100 mL	MEMBRANE FILTER TECHNIQUE (ISO 16266)	NOT DETECTED	1/	-
<b>SAMPLE CONDITION</b> WATER'S COLOUR/TURBID SEDIMENT			COLOURLESS/CLEAR -		

<sup>a</sup> : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

<sup>b</sup> : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

<sup>c</sup> : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

REGULATORY STANDARD : BANGKOK METROPOLITAN REGULATIONS FOR THE BUSINESS DISTRIEMENTAL TO HEALTH, B.E. 2530 (1987).

1/ : DISEASE-CAUSING BACTERIA IS NOT DETECTED.





LABORATORY SUPERVISOR

JULY 25, 2023



## ANALYSIS REPORT

**PROJECT NAME** : การตรวจวัดคุณภาพสิ่งแวดล้อม และการตรวจสอบการปฏิบัติตามมาตรฐานการป้องกันและแก้ไขผลกระทบสิ่งแวดล้อม  
โครงการ GRANDE CENTRE POINT HOTEL SUKHUMVIT 55 ประจำปี 2566  
**CUSTOMER NAME** : L&H HOTEL MANAGEMENT COMPANY LIMITED  
**ADDRESS** : 300 SUKHUMVIT 55 (THONGLOR) KHLONG TAN NUEA WATTHANA BANGKOK 10110  
**CONTACT INFORMATION** : TEL : 0 2020 8080, 08 7083 4737 e-mail : boonkhum.b@gcphotels.com  
**SAMPLING SOURCE** : GRANDE CENTRE POINT HOTEL SUKHUMVIT 55  
**SAMPLE TYPE** : WATER SAMPLE FROM SWIMMING POOL  
**SAMPLING DATE** : JULY 12, 2023  
**SAMPLING TIME** : 10:25 HOUR  
**SAMPLING METHOD \*** : GRAB, GRAB AND STERILE TECHNIQUE  
**SAMPLING BY \*** :   
**ANALYZED BY** : 

**RECEIVED DATE** : JULY 12, 2023  
**ANALYTICAL DATE** : JULY 12-18, 2023  
**REPORT NO.** : 2023-U060658  
**WORK NO.** : 2022-008320  
**ANALYSIS NO.** : T23AN376-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (SHALLOW ZONE) T23AN376-0002		
MICROBIOLOGY					
Staphylococcus aureus #	/100 mL	MEMBRANE FILTER TECHNIQUE (SM: PART 9213 B)	NOT DETECTED	1/	-
SAMPLE CONDITION WATER'S COLOUR/TURBID SEDIMENT			COLOURLESS/CLEAR -		

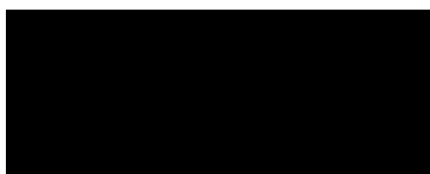
# : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF MEDICAL SCIENCE (DMSC)

\* : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

REGULATORY STANDARD : BANGKOK METROPOLITAN REGULATIONS FOR THE BUSINESS DISTRICTIONAL TO HEALTH, B.E. 2530 (1987).

✓ : DISEASE-CAUSING BACTERIA IS NOT DETECTED.



LABORATORY SUPERVISOR

JULY 25, 2023



## ANALYSIS REPORT

**PROJECT NAME** : การตรวจวัดคุณภาพสิ่งแวดล้อม และการตรวจสอบการปฏิบัติตามมาตรฐานการป้องกันและแก้ไขผลกระทบสิ่งแวดล้อม  
โครงการ GRANDE CENTRE POINT HOTEL SUKHUMVIT 55 ประจำปี 2566  
**CUSTOMER NAME** : L&H HOTEL MANAGEMENT COMPANY LIMITED  
**ADDRESS** : 300 SUKHUMVIT 55 (THONGLOR) KHLONG TAN NUEA WATTHANA BANGKOK 10110  
**CONTACT INFORMATION** : TEL : 0 2020 8080, 08 7083 4737 e-mail : boonkhum.b@gcphotels.com  
**SAMPLING SOURCE** : GRANDE CENTRE POINT HOTEL SUKHUMVIT 55  
**SAMPLE TYPE** : WATER SAMPLE FROM SWIMMING POOL  
**SAMPLING DATE** : JULY 12, 2023  
**SAMPLING TIME** : 10:20 HOUR  
**SAMPLING METHOD <sup>a</sup>** : GRAB AND STERILE TECHNIQUE  
**SAMPLING BY <sup>a</sup>** :   
**ANALYZED BY** : 

**RECEIVED DATE** : JULY 12, 2023  
**ANALYTICAL DATE** : JULY 12-18, 2023  
**REPORT NO.** : 2023-U060655  
**WORK NO.** : 2022-008320  
**ANALYSIS NO.** : T23AN376-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (DEEP ZONE) T23AN376-0001		
MICROBIOLOGY					
COLIFORM BACTERIA <sup>b</sup>	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B)	2.2	< 10	1.1
<i>E. coli</i> <sup>b</sup>	/100 mL	FLUOROGENIC SUBSTRATE TEST (SM: PART 9221 D AND F)	NOT DETECTED	NOT DETECTED	-
<i>Pseudomonas aeruginosa</i> <sup>c</sup>	/100 mL	MEMBRANE FILTER TECHNIQUE (ISO 16266)	NOT DETECTED	1/	-
SAMPLE CONDITION WATER'S COLOUR/TURBID SEDIMENT			COLOURLESS/CLEAR -		

<sup>a</sup> : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

<sup>b</sup> : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

<sup>c</sup> : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

REGULATORY STANDARD : BANGKOK METROPOLITAN REGULATIONS FOR THE BUSINESS DISTRIEMENTAL TO HEALTH, B.E. 2530 (1987).

1/ : DISEASE-CAUSING BACTERIA IS NOT DETECTED.





LABORATORY SUPERVISOR

JULY 25, 2023



## ANALYSIS REPORT

**PROJECT NAME** : การตรวจวัดคุณภาพสิ่งแวดล้อม และการตรวจสอบการปฏิบัติตามมาตรฐานการป้องกันและแก้ไขผลกระทบสิ่งแวดล้อม  
โครงการ GRANDE CENTRE POINT HOTEL SUKHUMVIT 55 ประจำปี 2566  
**CUSTOMER NAME** : L&H HOTEL MANAGEMENT COMPANY LIMITED  
**ADDRESS** : 300 SUKHUMVIT 55 (THONGLOR) KHLONG TAN NUEA WATTHANA BANGKOK 10110  
**CONTACT INFORMATION** : TEL : 0 2020 8080, 08 7083 4737 e-mail : boonkhum.b@gcphotels.com  
**SAMPLING SOURCE** : GRANDE CENTRE POINT HOTEL SUKHUMVIT 55  
**SAMPLE TYPE** : WATER SAMPLE FROM SWIMMING POOL  
**SAMPLING DATE** : JULY 12, 2023  
**SAMPLING TIME** : 10:20 HOUR  
**SAMPLING METHOD \*** : GRAB AND STERILE TECHNIQUE  
**SAMPLING BY \*** :   
**ANALYZED BY** : 

**RECEIVED DATE** : JULY 12, 2023  
**ANALYTICAL DATE** : JULY 12-18, 2023  
**REPORT NO.** : 2023-U060656  
**WORK NO.** : 2022-008320  
**ANALYSIS NO.** : T23AN376-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (DEEP ZONE) T23AN376-0001		
MICROBIOLOGY					
<i>Staphylococcus aureus</i> #	/100 mL	MEMBRANE FILTER TECHNIQUE (SM: PART 9213 B)	NOT DETECTED	1/	-
SAMPLE CONDITION					
WATER'S COLOUR/TURBID			COLOURLESS/CLEAR		
SEDIMENT			-		

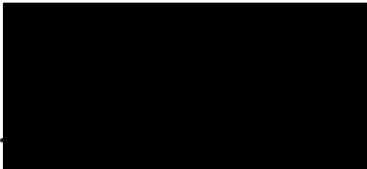
# : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF MEDICAL SCIENCE (DMSO)

\* : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

REGULATORY STANDARD : BANGKOK METROPOLITAN REGULATIONS FOR THE BUSINESS DISTRIEMENTAL TO HEALTH, B.E. 2530 (1987).

1/ : DISEASE-CAUSING BACTERIA IS NOT DETECTED.





LABORATORY SUPERVISOR

JULY 25, 2023



## ANALYSIS REPORT

**PROJECT NAME** : การตรวจวัดคุณภาพสิ่งแวดล้อม และการตรวจสอบการปฏิบัติตามมาตรฐานการป้องกันและแก้ไขผลกระทบสิ่งแวดล้อม  
โครงการ GRANDE CENTRE POINT HOTEL SUKHUMVIT 55 ประจำปี 2566  
**CUSTOMER NAME** : L&H HOTEL MANAGEMENT COMPANY LIMITED  
**ADDRESS** : 300 SUKHUMVIT 55 (THONGLOR) KHLONG TAN NUEA WATTHANA BANGKOK 10110  
**CONTACT INFORMATION** : TEL : 0 2020 8080, 08 7083 4737 e-mail : boonkhum.b@gcphotels.com  
**SAMPLING SOURCE** : GRANDE CENTRE POINT HOTEL SUKHUMVIT 55  
**SAMPLE TYPE** : WATER SAMPLE FROM SWIMMING POOL  
**SAMPLING DATE** : JULY 19, 2023  
**SAMPLING TIME** : 11:10 HOUR  
**SAMPLING METHOD °** : GRAB, GRAB AND STERILE TECHNIQUE  
**SAMPLING BY °** :   
**ANALYZED BY** : 

**RECEIVED DATE** : JULY 19, 2023  
**ANALYTICAL DATE** : JULY 19-24, 2023  
**REPORT NO.** : 2023-U062731  
**WORK NO.** : 2022-008320  
**ANALYSIS NO.** : T23AN866-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (SHALLOW ZONE) T23AN866-0002		
TOTAL DISSOLVED SOLIDS °	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: PART 2540 C)	5,030	-	25
MICROBIOLOGY					
COLIFORM BACTERIA <sup>b</sup>	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B)	< 1.1	< 10	1.1
<i>E. coli</i> <sup>b</sup>	/100 mL	FLUOROGENIC SUBSTRATE TEST (SM: PART 9221 D AND F)	NOT DETECTED	NOT DETECTED	-
<i>Pseudomonas aeruginosa</i> °	/100 mL	MEMBRANE FILTER TECHNIQUE (ISO 16266)	NOT DETECTED	1/	-
<b>SAMPLE CONDITION</b> WATER'S COLOUR/TURBID SEDIMENT			COLOURLESS/CLEAR -		

<sup>a</sup> : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

<sup>b</sup> : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

<sup>c</sup> : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

REGULATORY STANDARD : BANGKOK METROPOLITAN REGULATIONS FOR THE BUSINESS DISTRIMENTAL TO HEALTH, B.E. 2530 (1987).

1/ : DISEASE-CAUSING BACTERIA IS NOT DETECTED.



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LABORATORY SUPERVISOR

AUGUST 3, 2023





## ANALYSIS REPORT

**PROJECT NAME** : การตรวจวัดคุณภาพสิ่งแวดล้อม และการตรวจสอบการปฏิบัติตามมาตรฐานการป้องกันและแก้ไขผลกระทบสิ่งแวดล้อม  
โครงการ GRANDE CENTRE POINT HOTEL SUKHUMVIT 55 ประจำปี 2566  
**CUSTOMER NAME** : L&H HOTEL MANAGEMENT COMPANY LIMITED  
**ADDRESS** : 300 SUKHUMVIT 55 (THONGLOR) KHLONG TAN NUEA WATTHANA BANGKOK 10110  
**CONTACT INFORMATION** : TEL : 0 2020 8080, 08 7083 4737 e-mail : boonkhun.b@gcphotels.com  
**SAMPLING SOURCE** : GRANDE CENTRE POINT HOTEL SUKHUMVIT 55  
**SAMPLE TYPE** : WATER SAMPLE FROM SWIMMING POOL  
**SAMPLING DATE** : JULY 19, 2023  
**SAMPLING TIME** : 11:10 HOUR  
**SAMPLING METHOD \*** : GRAB, GRAB AND STERILE TECHNIQUE  
**SAMPLING BY \*** :   
**ANALYZED BY** : 

**RECEIVED DATE** : JULY 19, 2023  
**ANALYTICAL DATE** : JULY 19-24, 2023  
**REPORT NO.** : 2023-U062732  
**WORK NO.** : 2022-008320  
**ANALYSIS NO.** : T23AN866-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (SHALLOW ZONE) T23AN866-0002		
MICROBIOLOGY					
Staphylococcus aureus #	/100 mL	MEMBRANE FILTER TECHNIQUE (SM: PART 9213 B)	NOT DETECTED	1/	-
SAMPLE CONDITION					
WATER'S COLOUR/TURBID			COLOURLESS/CLEAR		
SEDIMENT			-		

# : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF MEDICAL SCIENCE (DMSC)  
\* : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

REGULATORY STANDARD : BANGKOK METROPOLITAN REGULATIONS FOR THE BUSINESS DISTRICTIONAL TO HEALTH, B.E. 2530 (1987).

1/ : DISEASE-CAUSING BACTERIA IS NOT DETECTED.





LABORATORY SUPERVISOR

AUGUST 3, 2023



## ANALYSIS REPORT

**PROJECT NAME** : การตรวจวัดคุณภาพสิ่งแวดล้อม และการตรวจสอบการปฏิบัติตามมาตรฐานการป้องกันและแก้ไขผลกระทบสิ่งแวดล้อม  
โครงการ GRANDE CENTRE POINT HOTEL SUKHUMVIT 55 ประจำปี 2566  
**CUSTOMER NAME** : L&H HOTEL MANAGEMENT COMPANY LIMITED  
**ADDRESS** : 300 SUKHUMVIT 55 (THONGLOR) KHLONG TAN NUEA WATTHANA BANGKOK 10110  
**CONTACT INFORMATION** : TEL : 0 2020 8080, 08 7083 4737 e-mail : boonkhum.b@gcphotels.com  
**SAMPLING SOURCE** : GRANDE CENTRE POINT HOTEL SUKHUMVIT 55  
**SAMPLE TYPE** : WATER SAMPLE FROM SWIMMING POOL  
**SAMPLING DATE** : JULY 19, 2023  
**SAMPLING TIME** : 11:05 HOUR  
**SAMPLING METHOD <sup>c</sup>** : GRAB AND STERILE TECHNIQUE  
**SAMPLING BY <sup>c</sup>** :   
**ANALYZED BY** : 

**RECEIVED DATE** : JULY 19, 2023  
**ANALYTICAL DATE** : JULY 19-24, 2023  
**REPORT NO.** : 2023-U062728  
**WORK NO.** : 2022-008320  
**ANALYSIS NO.** : T23AN866-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (DEEP ZONE) T23AN866-0001		
MICROBIOLOGY					
COLIFORM BACTERIA <sup>b</sup>	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B)	< 1.1	< 10	1.1
<i>E. coli</i> <sup>b</sup>	/100 mL	FLUOROGENIC SUBSTRATE TEST (SM: PART 9221 D AND F)	NOT DETECTED	NOT DETECTED	-
<i>Pseudomonas aeruginosa</i> <sup>c</sup>	/100 mL	MEMBRANE FILTER TECHNIQUE (ISO 16266)	DETECTED	1/	-
SAMPLE CONDITION					
WATER'S COLOUR/TURBID			COLOURLESS/CLEAR		
SEDIMENT			-		

<sup>a</sup> : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

<sup>b</sup> : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

<sup>c</sup> : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

REGULATORY STANDARD : BANGKOK METROPOLITAN REGULATIONS FOR THE BUSINESS DISTRIEMENTAL TO HEALTH, B.E. 2530 (1987).



1/ : DISEASE-CAUSING BACTERIA IS NOT DETECTED.

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LABORATORY SUPERVISOR

AUGUST 3, 2023



## ANALYSIS REPORT

**PROJECT NAME** : การตรวจวัดคุณภาพสิ่งแวดล้อม และการตรวจสอบการปฏิบัติตามมาตรการป้องกันและแก้ไขผลกระทบสิ่งแวดล้อม  
โครงการ GRANDE CENTRE POINT HOTEL SUKHUMVIT 55 ประจำปี 2566  
**CUSTOMER NAME** : L&H HOTEL MANAGEMENT COMPANY LIMITED  
**ADDRESS** : 300 SUKHUMVIT 55 (THONGLOR) KHLONG TAN NUEA WATTHANA BANGKOK 10110  
**CONTACT INFORMATION** : TEL : 0 2020 8080, 08 7083 4737 e-mail : boonkhum.b@gcphotels.com  
**SAMPLING SOURCE** : GRANDE CENTRE POINT HOTEL SUKHUMVIT 55  
**SAMPLE TYPE** : WATER SAMPLE FROM SWIMMING POOL  
**SAMPLING DATE** : JULY 19, 2023  
**SAMPLING TIME** : 11:05 HOUR  
**SAMPLING METHOD \*** : GRAB AND STERILE TECHNIQUE  
**SAMPLING BY \*** :   
**ANALYZED BY** : 

**RECEIVED DATE** : JULY 19, 2023  
**ANALYTICAL DATE** : JULY 19-24, 2023  
**REPORT NO.** : 2023-U062729  
**WORK NO.** : 2022-008320  
**ANALYSIS NO.** : T23AN866-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (DEEP ZONE) T23AN866-0001		
MICROBIOLOGY					
Staphylococcus aureus #	/100 mL	MEMBRANE FILTER TECHNIQUE (SM: PART 9213 B)	NOT DETECTED	1/	-
SAMPLE CONDITION WATER'S COLOUR/TURBID SEDIMENT			COLOURLESS/CLEAR -		

# : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF MEDICAL SCIENCE (DMSC)  
\* : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

REGULATORY STANDARD : BANGKOK METROPOLITAN REGULATIONS FOR THE BUSINESS DISTRIEMENTAL TO HEALTH, B.E. 2530 (1987).

1/ : DISEASE-CAUSING BACTERIA IS NOT DETECTED.





LABORATORY SUPERVISOR

AUGUST 3, 2023



## ANALYSIS REPORT

**PROJECT NAME** : การตรวจวัดคุณภาพสิ่งแวดล้อม และการตรวจสอบการปฏิบัติตามมาตรการป้องกันและแก้ไขผลกระทบสิ่งแวดล้อม  
โครงการ GRANDE CENTRE POINT HOTEL SUKHUMVIT 55 ประจำปี 2566  
**CUSTOMER NAME** : L&H HOTEL MANAGEMENT COMPANY LIMITED  
**ADDRESS** : 300 SUKHUMVIT 55 (THONGLOR) KHLONG TAN NUEA WATTHANA BANGKOK 10110  
**CONTACT INFORMATION** : TEL : 0 2020 8080, 08 7083 4737 e-mail : boonkhum.b@gcphotels.com  
**SAMPLING SOURCE** : GRANDE CENTRE POINT HOTEL SUKHUMVIT 55  
**SAMPLE TYPE** : WATER SAMPLE FROM SWIMMING POOL  
**SAMPLING DATE** : JULY 26, 2023  
**SAMPLING TIME** : 10:00 HOUR  
**SAMPLING METHOD °** : GRAB, GRAB AND STERILE TECHNIQUE  
**SAMPLING BY °** :   
**ANALYZED BY** : 

**RECEIVED DATE** : JULY 26, 2023  
**ANALYTICAL DATE** : JULY 26-30, 2023  
**REPORT NO.** : 2023-U063539  
**WORK NO.** : 2022-008320  
**ANALYSIS NO.** : T23AO403-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (SHALLOW ZONE) T23AO403-0002		
TOTAL DISSOLVED SOLIDS °	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: PART 2540 C)	4,438	-	25
MICROBIOLOGY					
COLIFORM BACTERIA °	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B)	< 1.1	< 10	1.1
<i>E. coli</i> °	/100 mL	FLUOROGENIC SUBSTRATE TEST (SM: PART 9221 D AND F)	NOT DETECTED	NOT DETECTED	-
<i>Pseudomonas aeruginosa</i> °	/100 mL	MEMBRANE FILTER TECHNIQUE (ISO 16266)	NOT DETECTED	1/	-
<b>SAMPLE CONDITION</b> WATER'S COLOUR/TURBID SEDIMENT			COLOURLESS/CLEAR -		

° : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

° : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

° : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

REGULATORY STANDARD : BANGKOK METROPOLITAN REGULATIONS FOR THE BUSINESS DISTRICTIONAL TO HEALTH, B.E. 2530 (1987).

1/ : DISEASE-CAUSING BACTERIA IS NOT DETECTED.

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LABORATORY SUPERVISOR

AUGUST 4, 2023



## ANALYSIS REPORT

**PROJECT NAME** : การตรวจวัดคุณภาพสิ่งแวดล้อม และการตรวจสอบการปฏิบัติตามมาตรฐานการป้องกันและแก้ไขผลกระทบสิ่งแวดล้อม  
โครงการ GRANDE CENTRE POINT HOTEL SUKHUMVIT 55 ประจำปี 2566

**CUSTOMER NAME** : L&H HOTEL MANAGEMENT COMPANY LIMITED

**ADDRESS** : 300 SUKHUMVIT 55 (THONGLOR) KHLONG TAN NUEA WATTHANA BANGKOK 10110

**CONTACT INFORMATION** : TEL : 0 2020 8080, 08 7083 4737 e-mail : boonkhum.b@gcphotels.com

**SAMPLING SOURCE** : GRANDE CENTRE POINT HOTEL SUKHUMVIT 55

**SAMPLE TYPE** : WATER SAMPLE FROM SWIMMING POOL

**SAMPLING DATE** : JULY 26, 2023

**SAMPLING TIME** : 10:00 HOUR

**SAMPLING METHOD \*** : GRAB, GRAB AND STERILE TECHNIQUE

**SAMPLING BY \*** : [REDACTED]

**ANALYZED BY** : [REDACTED]

**RECEIVED DATE** : JULY 26, 2023

**ANALYTICAL DATE** : JULY 26-29, 2023

**REPORT NO.** : 2023-U063540

**WORK NO.** : 2022-008320

**ANALYSIS NO.** : T23A0403-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (SHALLOW ZONE) T23A0403-0002		
MICROBIOLOGY					
<i>Staphylococcus aureus</i> #	/100 mL	MEMBRANE FILTER TECHNIQUE (SM: PART 9213 B)	NOT DETECTED	1/	-
SAMPLE CONDITION					
WATER'S COLOUR/TURBID SEDIMENT			COLOURLESS/CLEAR -		

# : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF MEDICAL SCIENCE (DMSC)

\* : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

REGULATORY STANDARD : BANGKOK METROPOLITAN REGULATIONS FOR THE BUSINESS DISTRIEMENTAL TO HEALTH, B.E. 2530 (1987).

1/ : DISEASE-CAUSING BACTERIA IS NOT DETECTED.



LABORATORY SUPERVISOR

AUGUST 4, 2023



## ANALYSIS REPORT

**PROJECT NAME** : การตรวจวัดคุณภาพสิ่งแวดล้อม และการตรวจสอบการปฏิบัติตามมาตรฐานการป้องกันและแก้ไขผลกระทบสิ่งแวดล้อม  
โครงการ GRANDE CENTRE POINT HOTEL SUKHUMVIT 55 ประจำปี 2566  
**CUSTOMER NAME** : L&H HOTEL MANAGEMENT COMPANY LIMITED  
**ADDRESS** : 300 SUKHUMVIT 55 (THONGLOR) KHLONG TAN NUEA WATTHANA BANGKOK 10110  
**CONTACT INFORMATION** : TEL : 0 2020 8080, 08 7083 4737 e-mail : boonkhum.b@gcphotels.com  
**SAMPLING SOURCE** : GRANDE CENTRE POINT HOTEL SUKHUMVIT 55  
**SAMPLE TYPE** : WATER SAMPLE FROM SWIMMING POOL  
**SAMPLING DATE** : JULY 26, 2023  
**SAMPLING TIME** : 09:50 HOUR  
**SAMPLING METHOD <sup>c</sup>** : GRAB AND STERILE TECHNIQUE  
**SAMPLING BY <sup>c</sup>** : [REDACTED]  
**ANALYZED BY** : [REDACTED]

**RECEIVED DATE** : JULY 26, 2023  
**ANALYTICAL DATE** : JULY 26-30, 2023  
**REPORT NO.** : 2023-U063537  
**WORK NO.** : 2022-008320  
**ANALYSIS NO.** : T23AO403-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (DEEP ZONE) T23AO403-0001		
MICROBIOLOGY					
COLIFORM BACTERIA <sup>b</sup>	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B)	< 1.1	< 10	1.1
<i>E. coli</i> <sup>b</sup>	/100 mL	FLUOROGENIC SUBSTRATE TEST (SM: PART 9221 D AND F)	NOT DETECTED	NOT DETECTED	-
<i>Pseudomonas aeruginosa</i> <sup>c</sup>	/100 mL	MEMBRANE FILTER TECHNIQUE (ISO 16266)	NOT DETECTED	1/	-
SAMPLE CONDITION					
WATER'S COLOUR/TURBID SEDIMENT			COLOURLESS/CLEAR		

<sup>a</sup> : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

<sup>b</sup> : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

<sup>c</sup> : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

REGULATORY STANDARD : BANGKOK METROPOLITAN REGULATIONS FOR THE BUSINESS DISTRIEMENTAL TO HEALTH, B.E. 2530 (1987).

1/ : DISEASE-CAUSING BACTERIA IS NOT DETECTED.

[REDACTED]



LABORATORY SUPERVISOR

AUGUST 4, 2023





## ANALYSIS REPORT

**PROJECT NAME** : การตรวจวัดคุณภาพสิ่งแวดล้อม และการตรวจสอบการปฏิบัติตามมาตรฐานการป้องกันและแก้ไขผลกระทบสิ่งแวดล้อม  
โครงการ GRANDE CENTRE POINT HOTEL SUKHUMVIT 55 ประจำปี 2566  
**CUSTOMER NAME** : L&H HOTEL MANAGEMENT COMPANY LIMITED  
**ADDRESS** : 300 SUKHUMVIT 55 (THONGLOR) KHLONG TAN NUEA WATTHANA BANGKOK 10110  
**CONTACT INFORMATION** : TEL : 0 2020 8080, 08 7083 4737 e-mail : boonkhum.b@gcphotels.com  
**SAMPLING SOURCE** : GRANDE CENTRE POINT HOTEL SUKHUMVIT 55  
**SAMPLE TYPE** : WATER SAMPLE FROM SWIMMING POOL  
**SAMPLING DATE** : JULY 26, 2023  
**SAMPLING TIME** : 09:50 HOUR  
**SAMPLING METHOD \*** : GRAB AND STERILE TECHNIQUE  
**SAMPLING BY \*** :   
**ANALYZED BY** : 

**RECEIVED DATE** : JULY 26, 2023  
**ANALYTICAL DATE** : JULY 26-29, 2023  
**REPORT NO.** : 2023-U063538  
**WORK NO.** : 2022-008320  
**ANALYSIS NO.** : T23AO403-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (DEEP ZONE) T23AO403-0001		
MICROBIOLOGY					
<i>Staphylococcus aureus</i> #	/100 mL	MEMBRANE FILTER TECHNIQUE (SM: PART 9213 B)	NOT DETECTED	1/	-
SAMPLE CONDITION					
WATER'S COLOUR/TURBID SEDIMENT			COLOURLESS/CLEAR -		

# : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF MEDICAL SCIENCE (DMSC)  
\* : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.  
REGULATORY STANDARD : BANGKOK METROPOLITAN REGULATIONS FOR THE BUSINESS DISTRIEMENTAL TO HEALTH, B.E. 2530 (1987).  
1/ : DISEASE-CAUSING BACTERIA IS NOT DETECTED.

.....  
  
LABORATORY SUPERVISOR

AUGUST 4, 2023



## ANALYSIS REPORT

**PROJECT NAME** : การตรวจวัดคุณภาพสิ่งแวดล้อม และการตรวจสอบการปฏิบัติตามมาตรฐานการป้องกันและแก้ไขผลกระทบสิ่งแวดล้อม  
โครงการ GRANDE CENTRE POINT HOTEL SUKHUMVIT 55 ประจำปี 2566  
**CUSTOMER NAME** : L&H HOTEL MANAGEMENT COMPANY LIMITED  
**ADDRESS** : 300 SUKHUMVIT 55 (THONGLOR) KHLONG TAN NUEA WATTHANA BANGKOK 10110  
**CONTACT INFORMATION** : TEL : 0 2020 8080, 08 7083 4737 e-mail : boonkhum.b@gcphotels.com  
**SAMPLING SOURCE** : GRANDE CENTRE POINT HOTEL SUKHUMVIT 55  
**SAMPLE TYPE** : WATER SAMPLE FROM SWIMMING POOL  
**SAMPLING DATE** : AUGUST 2, 2023  
**SAMPLING TIME** : 11:25 HOUR  
**SAMPLING METHOD °** : GRAB, GRAB AND STERILE TECHNIQUE  
**SAMPLING BY °** :   
**ANALYZED BY** :   
**RECEIVED DATE** : AUGUST 2, 2023  
**ANALYTICAL DATE** : AUGUST 2-10, 2023  
**REPORT NO.** : 2023-U066126  
**WORK NO.** : 2022-008320  
**ANALYSIS NO.** : T23A0703-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (SHALLOW ZONE) T23A0703-0002		
TOTAL DISSOLVED SOLIDS °	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: PART 2540 C)	4,633	-	25
MICROBIOLOGY					
COLIFORM BACTERIA °	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221B)	< 1.1	< 10	1.1
<i>E. coli</i> °	/100 mL	FLUOROGENIC SUBSTRATE TEST (SM: PART 9221 D AND F)	NOT DETECTED	NOT DETECTED	-
<i>Pseudomonas aeruginosa</i> °	/100 mL	MEMBRANE FILTER TECHNIQUE (ISO 16266)	NOT DETECTED	1/	-
<b>SAMPLE CONDITION</b> WATER'S COLOUR/TURBID SEDIMENT			COLOURLESS/CLEAR -		

° : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

° : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

° : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

REGULATORY STANDARD : BANGKOK METROPOLITAN REGULATIONS FOR THE BUSINESS DISTRIMENTAL TO HEALTH, B.E. 2530 (1987).

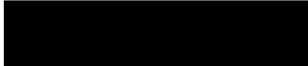

1/ : DISEASE-CAUSING BACTERIA IS NOT DETECTED.

.....  
  
LABORATORY SUPERVISOR

AUGUST 11, 2023



## ANALYSIS REPORT

**PROJECT NAME** : การตรวจวัดคุณภาพสิ่งแวดล้อม และการตรวจสอบการปฏิบัติตามมาตรฐานการป้องกันและแก้ไขผลกระทบสิ่งแวดล้อม  
โครงการ GRANDE CENTRE POINT HOTEL SUKHUMVIT 55 ประจำปี 2566  
**CUSTOMER NAME** : L&H HOTEL MANAGEMENT COMPANY LIMITED  
**ADDRESS** : 300 SUKHUMVIT 55 (THONGLOR) KHLONG TAN NUEA WATTHANA BANGKOK 10110  
**CONTACT INFORMATION** : TEL : 0 2020 8080, 08 7083 4737 e-mail : boonkhum.b@gcphotels.com  
**SAMPLING SOURCE** : GRANDE CENTRE POINT HOTEL SUKHUMVIT 55  
**SAMPLE TYPE** : WATER SAMPLE FROM SWIMMING POOL  
**SAMPLING DATE** : AUGUST 2, 2023  
**SAMPLING TIME** : 11:25 HOUR  
**SAMPLING METHOD \*** : GRAB, GRAB AND STERILE TECHNIQUE  
**SAMPLING BY \*** :   
**ANALYZED BY** : 

**RECEIVED DATE** : AUGUST 2, 2023  
**ANALYTICAL DATE** : AUGUST 2-6, 2023  
**REPORT NO.** : 2023-U066127  
**WORK NO.** : 2022-008320  
**ANALYSIS NO.** : T23AO703-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD
			SWIMMING POOL (SHALLOW ZONE) T23A0703-0002	
MICROBIOLOGY				
Staphylococcus aureus #	/100 mL	MEMBRANE FILTER TECHNIQUE (SM: PART 9213 B)	NOT DETECTED	1/
SAMPLE CONDITION				
WATER'S COLOUR/TURBID			COLOURLESS/CLEAR	
SEDIMENT			-	

# : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF MEDICAL SCIENCE (DMSC)  
\* : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

REGULATORY STANDARD : BANGKOK METROPOLITAN REGULATIONS FOR THE BUSINESS DISTRIMENTAL TO HEALTH, B.E. 2530 (1987).

1/ : DISEASE-CAUSING BACTERIA IS NOT DETECTED.


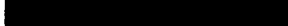


LABORATORY SUPERVISOR

AUGUST 11, 2023



## ANALYSIS REPORT

**PROJECT NAME** : การตรวจวัดคุณภาพสิ่งแวดล้อม และการตรวจสอบการปฏิบัติตามมาตรฐานการป้องกันและแก้ไขผลกระทบสิ่งแวดล้อม  
โครงการ GRANDE CENTRE POINT HOTEL SUKHUMVIT 55 ประจำปี 2566  
**CUSTOMER NAME** : L&H HOTEL MANAGEMENT COMPANY LIMITED  
**ADDRESS** : 300 SUKHUMVIT 55 (THONGLOR) KHLONG TAN NUEA WATTHANA BANGKOK 10110  
**CONTACT INFORMATION** : TEL : 0 2020 8080, 08 7083 4737 e-mail : boonkhum.b@gcphotels.com  
**SAMPLING SOURCE** : GRANDE CENTRE POINT HOTEL SUKHUMVIT 55  
**SAMPLE TYPE** : WATER SAMPLE FROM SWIMMING POOL  
**SAMPLING DATE** : AUGUST 2, 2023  
**SAMPLING TIME** : 11:20 HOUR  
**SAMPLING METHOD <sup>c</sup>** : GRAB AND STERILE TECHNIQUE  
**SAMPLING BY <sup>c</sup>** :   
**ANALYZED BY** :   
**RECEIVED DATE** : AUGUST 2, 2023  
**ANALYTICAL DATE** : AUGUST 2-10, 2023  
**REPORT NO.** : 2023-U066124  
**WORK NO.** : 2022-008320  
**ANALYSIS NO.** : T23AO703-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (DEEP ZONE) T23A0703-0001		
MICROBIOLOGY					
COLIFORM BACTERIA <sup>b</sup>	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221B)	< 1.1	< 10	1.1
<i>E. coli</i> <sup>b</sup>	/100 mL	FLUOROGENIC SUBSTRATE TEST (SM: PART 9221 D AND F)	NOT DETECTED	NOT DETECTED	-
<i>Pseudomonas aeruginosa</i> <sup>c</sup>	/100 mL	MEMBRANE FILTER TECHNIQUE (ISO 16266)	NOT DETECTED	1/	-
SAMPLE CONDITION					
WATER'S COLOUR/TURBID SEDIMENT			COLOURLESS/CLEAR -		

<sup>a</sup> : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

<sup>b</sup> : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

<sup>c</sup> : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

REGULATORY STANDARD : BANGKOK METROPOLITAN REGULATIONS FOR THE BUSINESS DISTRICTIONAL TO HEALTH, B.E. 2530 (1987).

1/ : DISEASE-CAUSING BACTERIA IS NOT DETECTED.

.....  
  
LABORATORY SUPERVISOR

AUGUST 11, 2023



## ANALYSIS REPORT

**PROJECT NAME** : การตรวจวัดคุณภาพสิ่งแวดล้อม และการตรวจสอบการปฏิบัติตามมาตรฐานการป้องกันและแก้ไขผลกระทบสิ่งแวดล้อม  
โครงการ GRANDE CENTRE POINT HOTEL SUKHUMVIT 55 ประจำปี 2566  
**CUSTOMER NAME** : L&H HOTEL MANAGEMENT COMPANY LIMITED  
**ADDRESS** : 300 SUKHUMVIT 55 (THONGLOR) KHLONG TAN NUEA WATTHANA BANGKOK 10110  
**CONTACT INFORMATION** : TEL : 0 2020 8080, 08 7083 4737 e-mail : boonkhum.b@gcphotels.com  
**SAMPLING SOURCE** : GRANDE CENTRE POINT HOTEL SUKHUMVIT 55  
**SAMPLE TYPE** : WATER SAMPLE FROM SWIMMING POOL  
**SAMPLING DATE** : AUGUST 2, 2023  
**SAMPLING TIME** : 11:20 HOUR  
**SAMPLING METHOD \*** : GRAB AND STERILE TECHNIQUE  
**SAMPLING BY \*** :   
**ANALYZED BY** : 

**RECEIVED DATE** : AUGUST 2, 2023  
**ANALYTICAL DATE** : AUGUST 2-6, 2023  
**REPORT NO.** : 2023-U066125  
**WORK NO.** : 2022-008320  
**ANALYSIS NO.** : T23A0703-0001

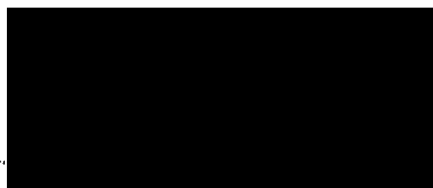
PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD
			SWIMMING POOL (DEEP ZONE) T23A0703-0001	
MICROBIOLOGY				
<i>Staphylococcus aureus</i> #	/100 mL	MEMBRANE FILTER TECHNIQUE (SM: PART 9213 B)	NOT DETECTED	1/
SAMPLE CONDITION				
WATER'S COLOUR/TURBID SEDIMENT			COLOURLESS/CLEAR -	

# : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF MEDICAL SCIENCE (DMSC)  
\* : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

REGULATORY STANDARD : BANGKOK METROPOLITAN REGULATIONS FOR THE BUSINESS DISTRIKTAL TO HEALTH, B.E. 2530 (1987).

1/ : DISEASE-CAUSING BACTERIA IS NOT DETECTED.



LABORATORY SUPERVISOR

AUGUST 11, 2023



## ANALYSIS REPORT

**PROJECT NAME** : การตรวจวัดคุณภาพสิ่งแวดล้อม และการตรวจสอบการปฏิบัติตามมาตรการป้องกันและแก้ไขผลกระทบสิ่งแวดล้อม  
โครงการ GRANDE CENTRE POINT HOTEL SUKHUMVIT 55 ประจำปี 2566

**CUSTOMER NAME** : L&H HOTEL MANAGEMENT COMPANY LIMITED

**ADDRESS** : 300 SUKHUMVIT 55 (THONGLOR) KHLONG TAN NUEA WATTHANA BANGKOK 10110

**CONTACT INFORMATION** : TEL : 0 2020 8080, 08 7083 4737 e-mail : boonkhum.b@gcphotels.com

**SAMPLING SOURCE** : GRANDE CENTRE POINT HOTEL SUKHUMVIT 55

**SAMPLE TYPE** : WATER SAMPLE FROM SWIMMING POOL

**SAMPLING DATE** : AUGUST 9, 2023

**SAMPLING TIME** : 15:05 HOUR

**SAMPLING METHOD °** : GRAB, GRAB AND STERILE TECHNIQUE

**SAMPLING BY °** : [REDACTED]

**ANALYZED BY** : [REDACTED]

**RECEIVED DATE** : AUGUST 9, 2023

**ANALYTICAL DATE** : AUGUST 9-15, 2023

**REPORT NO.** : 2023-U068528

**WORK NO.** : 2022-008320

**ANALYSIS NO.** : T23AP291-0005

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (SHALLOW ZONE) T23AP291-0005		
TOTAL DISSOLVED SOLIDS °	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: PART 2540 C)	3,933	-	25
MICROBIOLOGY					
COLIFORM BACTERIA °	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B)	< 1.1	< 10	1.1
<i>E. coli</i> °	/100 mL	FLUOROGENIC SUBSTRATE TEST (SM: PART 9221 D AND F)	NOT DETECTED	NOT DETECTED	-
<i>Pseudomonas aeruginosa</i> °	/100 mL	MEMBRANE FILTER TECHNIQUE (ISO 16266)	NOT DETECTED	1/	-
<b>SAMPLE CONDITION</b> WATER'S COLOUR/TURBID SEDIMENT			COLOURLESS/CLEAR -		

<sup>a</sup> : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

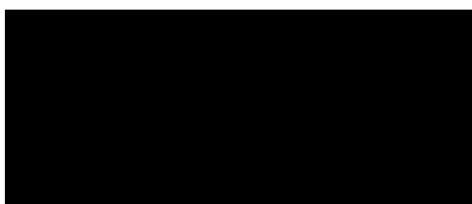
<sup>b</sup> : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

<sup>c</sup> : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

REGULATORY STANDARD : BANGKOK METROPOLITAN REGULATIONS FOR THE BUSINESS DISTRIMENTAL TO HEALTH, B.E. 2530 (1987).

1/ : DISEASE-CAUSING BACTERIA IS NOT DETECTED.



LABORATORY SUPERVISOR

AUGUST 21, 2023





## ANALYSIS REPORT

**PROJECT NAME** : การตรวจวัดคุณภาพสิ่งแวดล้อม และการตรวจสอบการปฏิบัติตามมาตรฐานการป้องกันและแก้ไขผลกระทบสิ่งแวดล้อม  
โครงการ GRANDE CENTRE POINT HOTEL SUKHUMVIT 55 ประจำปี 2566

**CUSTOMER NAME** : L&H HOTEL MANAGEMENT COMPANY LIMITED

**ADDRESS** : 300 SUKHUMVIT 55 (THONGLOR) KHLONG TAN NUEA WATTHANA BANGKOK 10110

**CONTACT INFORMATION** : TEL : 0 2020 8080, 08 7083 4737 e-mail : boonkhun.b@gcphotels.com

**SAMPLING SOURCE** : GRANDE CENTRE POINT HOTEL SUKHUMVIT 55

**SAMPLE TYPE** : WATER SAMPLE FROM SWIMMING POOL

**SAMPLING DATE** : AUGUST 9, 2023

**SAMPLING TIME** : 15:05 HOUR

**SAMPLING METHOD \*** : GRAB AND STERILE TECHNIQUE

**SAMPLING BY \*** : [REDACTED]

**ANALYZED BY** : [REDACTED]

**RECEIVED DATE** : AUGUST 9, 2023

**ANALYTICAL DATE** : AUGUST 9-14, 2023

**REPORT NO.** : 2023-U068529

**WORK NO.** : 2022-008320

**ANALYSIS NO.** : T23AP291-0005

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (SHALLOW ZONE) T23AP291-0005		
MICROBIOLOGY					
<i>Staphylococcus aureus</i> #	/100 mL	MEMBRANE FILTER TECHNIQUE (SM: PART 9213 B)	NOT DETECTED	1/	-
SAMPLE CONDITION					
WATER'S COLOUR/TURBID SEDIMENT			COLOURLESS/CLEAR -		

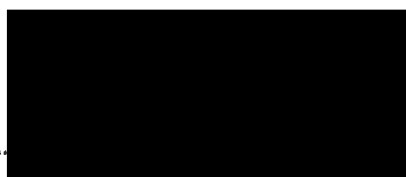
# : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF MEDICAL SCIENCE (DMSC)

\* : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

REGULATORY STANDARD : BANGKOK METROPOLITAN REGULATIONS FOR THE BUSINESS DISTRIMENTAL TO HEALTH, B.E. 2530 (1987).

1/ : DISEASE-CAUSING BACTERIA IS NOT DETECTED.



LABORATORY SUPERVISOR

AUGUST 21, 2023



## ANALYSIS REPORT

**PROJECT NAME** : การตรวจวัดคุณภาพสิ่งแวดล้อม และการตรวจสอบการปฏิบัติตามมาตรฐานการป้องกันและแก้ไขผลกระทบสิ่งแวดล้อม  
โครงการ GRANDE CENTRE POINT HOTEL SUKHUMVIT 55 ประจำปี 2566

**CUSTOMER NAME** : L&H HOTEL MANAGEMENT COMPANY LIMITED

**ADDRESS** : 300 SUKHUMVIT 55 (THONGLOR) KHLONG TAN NUEA WATTHANA BANGKOK 10110

**CONTACT INFORMATION** : TEL : 0 2020 8080, 08 7083 4737 e-mail : boonkhum.b@gcphotels.com

**SAMPLING SOURCE** : GRANDE CENTRE POINT HOTEL SUKHUMVIT 55

**SAMPLE TYPE** : WATER SAMPLE FROM SWIMMING POOL

**SAMPLING DATE** : AUGUST 9, 2023

**SAMPLING TIME** : 15:00 HOUR

**SAMPLING METHOD <sup>c</sup>** : GRAB AND STERILE TECHNIQUE

**SAMPLING BY <sup>c</sup>** : [REDACTED]

**ANALYZED BY** : [REDACTED]

**RECEIVED DATE** : AUGUST 9, 2023

**ANALYTICAL DATE** : AUGUST 9-15, 2023

**REPORT NO.** : 2023-U068526

**WORK NO.** : 2022-008320

**ANALYSIS NO.** : T23AP291-0004

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (DEEP ZONE) T23AP291-0004		
MICROBIOLOGY					
COLIFORM BACTERIA <sup>b</sup>	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B)	< 1.1	< 10	1.1
<i>E. coli</i> <sup>b</sup>	/100 mL	FLUOROGENIC SUBSTRATE TEST (SM: PART 9221 D AND F)	NOT DETECTED	NOT DETECTED	-
<i>Pseudomonas aeruginosa</i> <sup>c</sup>	/100 mL	MEMBRANE FILTER TECHNIQUE (ISO 16266)	NOT DETECTED	1/	-
SAMPLE CONDITION					
WATER'S COLOUR/TURBID SEDIMENT			COLOURLESS/CLEAR		

<sup>a</sup> : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

<sup>b</sup> : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

<sup>c</sup> : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

REGULATORY STANDARD : BANGKOK METROPOLITAN REGULATIONS FOR THE BUSINESS DISTRICTIONAL TO HEALTH, B.E. 2530 (1987).

1/ : DISEASE-CAUSING BACTERIA IS NOT DETECTED.

[REDACTED SIGNATURE]

LABORATORY SUPERVISOR

AUGUST 21, 2023



## ANALYSIS REPORT

**PROJECT NAME** : การตรวจวัดคุณภาพสิ่งแวดล้อม และการตรวจสอบการปฏิบัติตามมาตรฐานการป้องกันและแก้ไขผลกระทบสิ่งแวดล้อม  
โครงการ GRANDE CENTRE POINT HOTEL SUKHUMVIT 55 ประจำปี 2566

**CUSTOMER NAME** : L&H HOTEL MANAGEMENT COMPANY LIMITED

**ADDRESS** : 300 SUKHUMVIT 55 (THONGLOR) KHLONG TAN NUEA WATTHANA BANGKOK 10110

**CONTACT INFORMATION** : TEL : 0 2020 8080, 08 7083 4737 e-mail : boonkhum.b@gcphotels.com

**SAMPLING SOURCE** : GRANDE CENTRE POINT HOTEL SUKHUMVIT 55

**SAMPLE TYPE** : WATER SAMPLE FROM SWIMMING POOL

**SAMPLING DATE** : AUGUST 9, 2023

**SAMPLING TIME** : 15:00 HOUR

**SAMPLING METHOD \*** : GRAB AND STERILE TECHNIQUE

**SAMPLING BY \*** : [REDACTED]

**ANALYZED BY** : [REDACTED]

**RECEIVED DATE** : AUGUST 9, 2023

**ANALYTICAL DATE** : AUGUST 9-13, 2023

**REPORT NO.** : 2023-U068527

**WORK NO.** : 2022-008320

**ANALYSIS NO.** : T23AP291-0004

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (DEEP ZONE) T23AP291-0004		
MICROBIOLOGY					
<i>Staphylococcus aureus</i> #	/100 mL	MEMBRANE FILTER TECHNIQUE (SM: PART 9213 B)	NOT DETECTED	1/	-
SAMPLE CONDITION					
WATER'S COLOUR/TURBID			COLOURLESS/CLEAR		
SEDIMENT					

# : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF MEDICAL SCIENCE (DMSC)  
\* : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

REGULATORY STANDARD : BANGKOK METROPOLITAN REGULATIONS FOR THE BUSINESS DISTRICTIONAL TO HEALTH, B.E. 2530 (1987).

1/ : DISEASE-CAUSING BACTERIA IS NOT DETECTED.


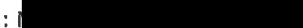
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LABORATORY SUPERVISOR

AUGUST 21, 2023



## ANALYSIS REPORT

**PROJECT NAME** : การตรวจวัดคุณภาพสิ่งแวดล้อม และการตรวจสอบการปฏิบัติตามมาตรฐานการป้องกันและแก้ไขผลกระทบสิ่งแวดล้อม  
โครงการ GRANDE CENTRE POINT HOTEL SUKHUMVIT 55 ประจำปี 2566  
**CUSTOMER NAME** : L&H HOTEL MANAGEMENT COMPANY LIMITED  
**ADDRESS** : 300 SUKHUMVIT 55 (THONGLOR) KHLONG TAN NUEA WATTHANA BANGKOK 10110  
**CONTACT INFORMATION** : TEL : 0 2020 8080, 08 7083 4737 e-mail : boonkhum.b@gcphotels.com  
**SAMPLING SOURCE** : GRANDE CENTRE POINT HOTEL SUKHUMVIT 55  
**SAMPLE TYPE** : WATER SAMPLE FROM SWIMMING POOL  
**SAMPLING DATE** : AUGUST 16, 2023  
**SAMPLING TIME** : 10:40 HOUR  
**SAMPLING METHOD <sup>c</sup>** : GRAB, GRAB AND STERILE TECHNIQUE  
**SAMPLING BY <sup>c</sup>** :   
**ANALYZED BY** :   
**RECEIVED DATE** : AUGUST 16, 2023  
**ANALYTICAL DATE** : AUGUST 16-21, 2023  
**REPORT NO.** : 2023-U069374  
**WORK NO.** : 2022-008320  
**ANALYSIS NO.** : T23AP770-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (SHALLOW ZONE) T23AP770-0002		
TOTAL DISSOLVED SOLIDS <sup>c</sup>	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: PART 2540 C)	4,767	-	25
MICROBIOLOGY					
COLIFORM BACTERIA <sup>b</sup>	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B)	< 1.1	< 10	1.1
<i>E. coli</i> <sup>b</sup>	/100 mL	FLUOROGENIC SUBSTRATE TEST (SM: PART 9221 D AND F)	NOT DETECTED	NOT DETECTED	-
<i>Pseudomonas aeruginosa</i> <sup>c</sup>	/100 mL	MEMBRANE FILTER TECHNIQUE (ISO 16266)	DETECTED	1/	-
<b>SAMPLE CONDITION</b> WATER'S COLOUR/TURBID SEDIMENT			COLOURLESS/CLEAR -		

<sup>a</sup> : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

<sup>b</sup> : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

<sup>c</sup> : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

REGULATORY STANDARD : BANGKOK METROPOLITAN REGULATIONS FOR THE BUSINESS DISTRICTIONAL TO HEALTH, B.E. 2530 (1987).

1/ : DISEASE-CAUSING BACTERIA IS NOT DETECTED.



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LABORATORY SUPERVISOR

AUGUST 22, 2023



## ANALYSIS REPORT

**PROJECT NAME** : การตรวจวัดคุณภาพสิ่งแวดล้อม และการตรวจสอบการปฏิบัติตามมาตรฐานการป้องกันและแก้ไขผลกระทบสิ่งแวดล้อม  
โครงการ GRANDE CENTRE POINT HOTEL SUKHUMVIT 55 ประจำปี 2566  
**CUSTOMER NAME** : L&H HOTEL MANAGEMENT COMPANY LIMITED  
**ADDRESS** : 300 SUKHUMVIT 55 (THONGLOR) KHLONG TAN NUEA WATTHANA BANGKOK 10110  
**CONTACT INFORMATION** : TEL : 0 2020 8080, 08 7083 4737 e-mail : boonkhum.b@gcphotels.com  
**SAMPLING SOURCE** : GRANDE CENTRE POINT HOTEL SUKHUMVIT 55  
**SAMPLE TYPE** : WATER SAMPLE FROM SWIMMING POOL  
**SAMPLING DATE** : AUGUST 16, 2023  
**SAMPLING TIME** : 10:40 HOUR  
**SAMPLING METHOD \*** : GRAB, GRAB AND STERILE TECHNIQUE  
**SAMPLING BY \*** :   
**ANALYZED BY** : 

**RECEIVED DATE** : AUGUST 16, 2023  
**ANALYTICAL DATE** : AUGUST 16-20, 2023  
**REPORT NO.** : 2023-U069375  
**WORK NO.** : 2022-008320  
**ANALYSIS NO.** : T23AP770-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD
			SWIMMING POOL (SHALLOW ZONE) T23AP770-0002	
MICROBIOLOGY				
<i>Staphylococcus aureus</i> #	/100 mL	MEMBRANE FILTER TECHNIQUE (SM: PART 9213 B)	NOT DETECTED	1/
SAMPLE CONDITION				
WATER'S COLOUR/TURBID			COLOURLESS/CLEAR	
SEDIMENT			-	

# : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF MEDICAL SCIENCE (DMSC)  
\* : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.  
REGULATORY STANDARD : BANGKOK METROPOLITAN REGULATIONS FOR THE BUSINESS DISTRICTIONAL TO HEALTH, B.E. 2530 (1987).  
1/ : DISEASE-CAUSING BACTERIA IS NOT DETECTED.



LABORATORY SUPERVISOR

AUGUST 22, 2023





## ANALYSIS REPORT

**PROJECT NAME** : การตรวจวัดคุณภาพสิ่งแวดล้อม และการตรวจสอบการปฏิบัติตามมาตรฐานการป้องกันและแก้ไขผลกระทบสิ่งแวดล้อม  
โครงการ GRANDE CENTRE POINT HOTEL SUKHUMVIT 55 ประจำปี 2566

**CUSTOMER NAME** : L&H HOTEL MANAGEMENT COMPANY LIMITED

**ADDRESS** : 300 SUKHUMVIT 55 (THONGLOR) KHLONG TAN NUEA WATTHANA BANGKOK 10110

**CONTACT INFORMATION** : TEL : 0 2020 8080, 08 7083 4737 e-mail : boonkhum.b@gcphotels.com

**SAMPLING SOURCE** : GRANDE CENTRE POINT HOTEL SUKHUMVIT 55

**SAMPLE TYPE** : WATER SAMPLE FROM SWIMMING POOL

**SAMPLING DATE** : AUGUST 16, 2023

**SAMPLING TIME** : 10:35 HOUR

**SAMPLING METHOD <sup>c</sup>** : GRAB AND STERILE TECHNIQUE

**SAMPLING BY <sup>c</sup>** : [REDACTED]

**ANALYZED BY** : [REDACTED]

**RECEIVED DATE** : AUGUST 16, 2023

**ANALYTICAL DATE** : AUGUST 16-20, 2023

**REPORT NO.** : 2023-U069372

**WORK NO.** : 2022-008320

**ANALYSIS NO.** : T23AP770-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (DEEP ZONE) T23AP770-0001		
MICROBIOLOGY					
COLIFORM BACTERIA <sup>b</sup>	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221B)	< 1.1	< 10	1.1
<i>E. coli</i> <sup>b</sup>	/100 mL	FLUOROGENIC SUBSTRATE TEST (SM: PART 9221 D AND F)	NOT DETECTED	NOT DETECTED	-
<i>Pseudomonas aeruginosa</i> <sup>c</sup>	/100 mL	MEMBRANE FILTER TECHNIQUE (ISO 16266)	NOT DETECTED	1/	-
SAMPLE CONDITION WATER'S COLOUR/TURBID SEDIMENT			COLOURLESS/CLEAR -		

<sup>a</sup> : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

<sup>b</sup> : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

<sup>c</sup> : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

REGULATORY STANDARD : BANGKOK METROPOLITAN REGULATIONS FOR THE BUSINESS DISTRIMENTAL TO HEALTH, B.E. 2530 (1987).

1/ : DISEASE-CAUSING BACTERIA IS NOT DETECTED.

[REDACTED SIGNATURE]

LABORATORY SUPERVISOR

AUGUST 22, 2023





## ANALYSIS REPORT

**PROJECT NAME** : การตรวจวัดคุณภาพสิ่งแวดล้อม และการตรวจสอบการปฏิบัติตามมาตรฐานการป้องกันและแก้ไขผลกระทบสิ่งแวดล้อม  
โครงการ GRANDE CENTRE POINT HOTEL SUKHUMVIT 55 ประจำปี 2566  
**CUSTOMER NAME** : L&H HOTEL MANAGEMENT COMPANY LIMITED  
**ADDRESS** : 300 SUKHUMVIT 55 (THONGLOR) KHLONG TAN NUEA WATTHANA BANGKOK 10110  
**CONTACT INFORMATION** : TEL : 0 2020 8080, 08 7083 4737 e-mail : boonkhum.b@gcphotels.com  
**SAMPLING SOURCE** : GRANDE CENTRE POINT HOTEL SUKHUMVIT 55  
**SAMPLE TYPE** : WATER SAMPLE FROM SWIMMING POOL  
**SAMPLING DATE** : AUGUST 16, 2023  
**SAMPLING TIME** : 10:35 HOUR  
**SAMPLING METHOD \*** : GRAB AND STERILE TECHNIQUE  
**SAMPLING BY \*** :   
**ANALYZED BY** : 

**RECEIVED DATE** : AUGUST 16, 2023  
**ANALYTICAL DATE** : AUGUST 16-20, 2023  
**REPORT NO.** : 2023-U069373  
**WORK NO.** : 2022-008320  
**ANALYSIS NO.** : T23AP770-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD
			SWIMMING POOL (DEEP ZONE) T23AP770-0001	
MICROBIOLOGY				
<i>Staphylococcus aureus</i> #	/100 mL	MEMBRANE FILTER TECHNIQUE (SM: PART 9213 B)	NOT DETECTED	1/
SAMPLE CONDITION				
WATER'S COLOUR/TURBID			COLOURLESS/CLEAR	
SEDIMENT			-	

# : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF MEDICAL SCIENCE (DMSC)  
\* : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.  
REGULATORY STANDARD : BANGKOK METROPOLITAN REGULATIONS FOR THE BUSINESS DISTRIEMENTAL TO HEALTH, B.E. 2530 (1987).  
1/ : DISEASE-CAUSING BACTERIA IS NOT DETECTED.





LABORATORY SUPERVISOR

AUGUST 22, 2023



## ANALYSIS REPORT

**PROJECT NAME** : การตรวจวัดคุณภาพสิ่งแวดล้อม และการตรวจสอบการปฏิบัติตามมาตรฐานการป้องกันและแก้ไขผลกระทบสิ่งแวดล้อม  
โครงการ GRANDE CENTRE POINT HOTEL SUKHUMVIT 55 ประจำปี 2566  
**CUSTOMER NAME** : L&H HOTEL MANAGEMENT COMPANY LIMITED  
**ADDRESS** : 300 SUKHUMVIT 55 (THONGLOR) KHLONG TAN NUEA WATTHANA BANGKOK 10110  
**CONTACT INFORMATION** : TEL : 0 2020 8080, 08 7083 4737 e-mail : boonkhum.b@gcphotels.com  
**SAMPLING SOURCE** : GRANDE CENTRE POINT HOTEL SUKHUMVIT 55  
**SAMPLE TYPE** : WATER SAMPLE FROM SWIMMING POOL  
**SAMPLING DATE** : AUGUST 23, 2023  
**SAMPLING TIME** : 10:40 HOUR  
**SAMPLING METHOD °** : GRAB, GRAB AND STERILE TECHNIQUE  
**SAMPLING BY °** :   
**ANALYZED BY** : 

**RECEIVED DATE** : AUGUST 23, 2023  
**ANALYTICAL DATE** : AUGUST 23-30, 2023  
**REPORT NO.** : 2023-U072323  
**WORK NO.** : 2022-008320  
**ANALYSIS NO.** : T23AQ398-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (SHALLOW ZONE) T23AQ398-0002		
TOTAL DISSOLVED SOLIDS °	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: PART 2540 C)	4,771	-	25
MICROBIOLOGY					
COLIFORM BACTERIA °	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B)	1.1	< 10	1.1
<i>E. coli</i> °	/100 mL	FLUOROGENIC SUBSTRATE TEST (SM: PART 9221 D AND F)	NOT DETECTED	NOT DETECTED	-
<i>Pseudomonas aeruginosa</i> °	/100 mL	MEMBRANE FILTER TECHNIQUE (ISO 16266)	NOT DETECTED	1/	-
<b>SAMPLE CONDITION</b> WATER'S COLOUR/TURBID SEDIMENT			COLOURLESS/CLEAR		

° : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

° : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

° : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

REGULATORY STANDARD : BANGKOK METROPOLITAN REGULATIONS FOR THE BUSINESS DISTRIMENTAL TO HEALTH, B.E. 2530 (1987).

1/ : DISEASE-CAUSING BACTERIA IS NOT DETECTED.





LABORATORY SUPERVISOR

SEPTEMBER 5, 2023



## ANALYSIS REPORT

**PROJECT NAME** : การตรวจวัดคุณภาพสิ่งแวดล้อม และการตรวจสอบการปฏิบัติตามมาตรฐานการป้องกันและแก้ไขผลกระทบสิ่งแวดล้อม  
โครงการ GRANDE CENTRE POINT HOTEL SUKHUMVIT 55 ประจำปี 2566  
**CUSTOMER NAME** : L&H HOTEL MANAGEMENT COMPANY LIMITED  
**ADDRESS** : 300 SUKHUMVIT 55 (THONGLOR) KHLONG TAN NUEA WATTHANA BANGKOK 10110  
**CONTACT INFORMATION** : TEL : 0 2020 8080, 08 7083 4737 e-mail : boonkhum.b@gcphotels.com  
**SAMPLING SOURCE** : GRANDE CENTRE POINT HOTEL SUKHUMVIT 55  
**SAMPLE TYPE** : WATER SAMPLE FROM SWIMMING POOL  
**SAMPLING DATE** : AUGUST 23, 2023  
**SAMPLING TIME** : 10:40 HOUR  
**SAMPLING METHOD \*** : GRAB, GRAB AND STERILE TECHNIQUE  
**SAMPLING BY \*** :   
**ANALYZED BY** : 

**RECEIVED DATE** : AUGUST 23, 2023  
**ANALYTICAL DATE** : AUGUST 23-27, 2023  
**REPORT NO.** : 2023-U072324  
**WORK NO.** : 2022-008320  
**ANALYSIS NO.** : T23AQ398-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD
			SWIMMING POOL (SHALLOW ZONE) T23AQ398-0002	
MICROBIOLOGY				
Staphylococcus aureus #	/100 mL	MEMBRANE FILTER TECHNIQUE (SM: PART 9213 B)	NOT DETECTED	1/
SAMPLE CONDITION				
WATER'S COLOUR/TURBID			COLOURLESS/CLEAR	
SEDIMENT			-	

# : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF MEDICAL SCIENCE (DMSC)

\* : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

REGULATORY STANDARD : BANGKOK METROPOLITAN REGULATIONS FOR THE BUSINESS DISTRIMENTAL TO HEALTH, B.E. 2530 (1987):

1/ : DISEASE-CAUSING BACTERIA IS NOT DETECTED.

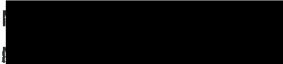
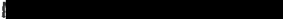
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LABORATORY SUPERVISOR

SEPTEMBER 5, 2023



## ANALYSIS REPORT

**PROJECT NAME** : การตรวจวัดคุณภาพสิ่งแวดล้อม และการตรวจสอบการปฏิบัติตามมาตรฐานการป้องกันและแก้ไขผลกระทบสิ่งแวดล้อม  
โครงการ GRANDE CENTRE POINT HOTEL SUKHUMVIT 55 ประจำปี 2566  
**CUSTOMER NAME** : L&H HOTEL MANAGEMENT COMPANY LIMITED  
**ADDRESS** : 300 SUKHUMVIT 55 (THONGLOR) KHLONG TAN NUEA WATTHANA BANGKOK 10110  
**CONTACT INFORMATION** : TEL : 0 2020 8080, 08 7083 4737 e-mail : boonkhum.b@gcphotels.com  
**SAMPLING SOURCE** : GRANDE CENTRE POINT HOTEL SUKHUMVIT 55  
**SAMPLE TYPE** : WATER SAMPLE FROM SWIMMING POOL  
**SAMPLING DATE** : AUGUST 23, 2023  
**SAMPLING TIME** : 10:30 HOUR  
**SAMPLING METHOD <sup>c</sup>** : GRAB AND STERILE TECHNIQUE  
**SAMPLING BY <sup>c</sup>** :   
**ANALYZED BY** : 

**RECEIVED DATE** : AUGUST 23, 2023  
**ANALYTICAL DATE** : AUGUST 23-27, 2023  
**REPORT NO.** : 2023-U072321  
**WORK NO.** : 2022-008320  
**ANALYSIS NO.** : T23AQ398-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (DEEP ZONE) T23AQ398-0001		
MICROBIOLOGY					
COLIFORM BACTERIA <sup>b</sup>	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B)	< 1.1	< 10	1.1
<i>E. coli</i> <sup>b</sup>	/100 mL	FLUOROGENIC SUBSTRATE TEST (SM: PART 9221 D AND F)	NOT DETECTED	NOT DETECTED	-
<i>Pseudomonas aeruginosa</i> <sup>c</sup>	/100 mL	MEMBRANE FILTER TECHNIQUE (ISO 16266)	NOT DETECTED	1/	-
SAMPLE CONDITION					
WATER'S COLOUR/TURBID			COLOURLESS/CLEAR		
SEDIMENT			-		

<sup>a</sup> : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)


<sup>b</sup> : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

<sup>c</sup> : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

REGULATORY STANDARD : BANGKOK METROPOLITAN REGULATIONS FOR THE BUSINESS DISTRICTIONAL TO HEALTH, B.E. 2530 (1987).

1/ : DISEASE-CAUSING BACTERIA IS NOT DETECTED.



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LABORATORY SUPERVISOR

SEPTEMBER 5, 2023



## ANALYSIS REPORT

**PROJECT NAME** : การตรวจวัดคุณภาพสิ่งแวดล้อม และการตรวจสอบการปฏิบัติตามมาตรการป้องกันและแก้ไขผลกระทบสิ่งแวดล้อม  
โครงการ GRANDE CENTRE POINT HOTEL SUKHUMVIT 55 ประจำปี 2566  
**CUSTOMER NAME** : L&H HOTEL MANAGEMENT COMPANY LIMITED  
**ADDRESS** : 300 SUKHUMVIT 55 (THONGLOR) KHLONG TAN NUEA WATTHANA BANGKOK 10110  
**CONTACT INFORMATION** : TEL : 0 2020 8080, 08 7083 4737 e-mail : boonkhum.b@gcphotels.com  
**SAMPLING SOURCE** : GRANDE CENTRE POINT HOTEL SUKHUMVIT 55  
**SAMPLE TYPE** : WATER SAMPLE FROM SWIMMING POOL  
**SAMPLING DATE** : AUGUST 23, 2023  
**SAMPLING TIME** : 10:30 HOUR  
**SAMPLING METHOD \*** : GRAB AND STERILE TECHNIQUE  
**SAMPLING BY \*** :   
**ANALYZED BY** : 

**RECEIVED DATE** : AUGUST 23, 2023  
**ANALYTICAL DATE** : AUGUST 23-28, 2023  
**REPORT NO.** : 2023-U072322  
**WORK NO.** : 2022-008320  
**ANALYSIS NO.** : T23AQ398-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD
			SWIMMING POOL (DEEP ZONE) T23AQ398-0001	
MICROBIOLOGY				
<i>Staphylococcus aureus</i> #	/100 mL	MEMBRANE FILTER TECHNIQUE (SM: PART 9213 B)	NOT DETECTED	1/
SAMPLE CONDITION WATER'S COLOUR/TURBID SEDIMENT			COLOURLESS/CLEAR	

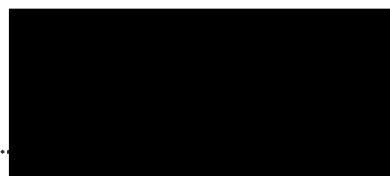
# : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF MEDICAL SCIENCE (DMSC)

\* : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

REGULATORY STANDARD : BANGKOK METROPOLITAN REGULATIONS FOR THE BUSINESS DISTRIEMENTAL TO HEALTH, B.E. 2530 (1987).

1/ : DISEASE-CAUSING BACTERIA IS NOT DETECTED.




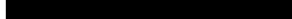
LABORATORY SUPERVISOR

SEPTEMBER 5, 2023





## ANALYSIS REPORT

**PROJECT NAME** : การตรวจวัดคุณภาพสิ่งแวดล้อม และการตรวจสอบการปฏิบัติตามมาตรฐานการป้องกันและแก้ไขผลกระทบสิ่งแวดล้อม  
โครงการ GRANDE CENTRE POINT HOTEL SUKHUMVIT 55 ประจำปี 2566  
**CUSTOMER NAME** : L&H HOTEL MANAGEMENT COMPANY LIMITED  
**ADDRESS** : 300 SUKHUMVIT 55 (THONGLOR) KHLONG TAN NUEA WATTHANA BANGKOK 10110  
**CONTACT INFORMATION** : TEL : 0 2020 8080, 08 7083 4737 e-mail : boonkhum.b@gcphotels.com  
**SAMPLING SOURCE** : GRANDE CENTRE POINT HOTEL SUKHUMVIT 55  
**SAMPLE TYPE** : WATER SAMPLE FROM SWIMMING POOL  
**SAMPLING DATE** : AUGUST 30, 2023  
**SAMPLING TIME** : 10:20 HOUR  
**SAMPLING METHOD °** : GRAB, GRAB AND STERILE TECHNIQUE  
**SAMPLING BY °** :   
**ANALYZED BY** :   
**RECEIVED DATE** : AUGUST 30, 2023  
**ANALYTICAL DATE** : AUGUST 30 - SEPTEMBER 6, 2023  
**REPORT NO.** : 2023-U075229  
**WORK NO.** : 2022-008320  
**ANALYSIS NO.** : T23AQ958-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (SHALLOW ZONE) T23AQ958-0002		
TOTAL DISSOLVED SOLIDS °	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: PART 2540 C)	4,667	-	25
MICROBIOLOGY					
COLIFORM BACTERIA °	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B)	< 1.1	< 10	1.1
<i>E. coli</i> °	/100 mL	FLUOROGENIC SUBSTRATE TEST (SM: PART 9221 D AND F)	NOT DETECTED	NOT DETECTED	-
<i>Pseudomonas aeruginosa</i> °	/100 mL	MEMBRANE FILTER TECHNIQUE (ISO 16266)	NOT DETECTED	1/	-
<b>SAMPLE CONDITION</b> WATER'S COLOUR/TURBID SEDIMENT			COLOURLESS/CLEAR -		

° : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

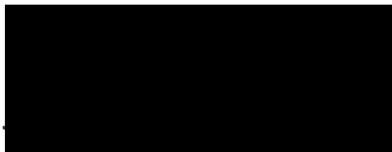
° : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

° : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

REGULATORY STANDARD : BANGKOK METROPOLITAN REGULATIONS FOR THE BUSINESS DISTRIKTAL TO HEALTH, B.E. 2530 (1987).

1/ : DISEASE-CAUSING BACTERIA IS NOT DETECTED.

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LABORATORY SUPERVISOR

SEPTEMBER 8, 2023





## ANALYSIS REPORT

**PROJECT NAME** : การตรวจวัดคุณภาพสิ่งแวดล้อม และการตรวจสอบการปฏิบัติตามมาตรฐานการป้องกันและแก้ไขผลกระทบสิ่งแวดล้อม  
โครงการ GRANDE CENTRE POINT HOTEL SUKHUMVIT 55 ประจำปี 2566  
**CUSTOMER NAME** : L&H HOTEL MANAGEMENT COMPANY LIMITED  
**ADDRESS** : 300 SUKHUMVIT 55 (THONGLOR) KHLONG TAN NUEA WATTHANA BANGKOK 10110  
**CONTACT INFORMATION** : TEL : 0 2020 8080, 08 7083 4737 e-mail : boonkhum.b@gcphotels.com  
**SAMPLING SOURCE** : GRANDE CENTRE POINT HOTEL SUKHUMVIT 55  
**SAMPLE TYPE** : WATER SAMPLE FROM SWIMMING POOL  
**SAMPLING DATE** : AUGUST 30, 2023  
**SAMPLING TIME** : 10:20 HOUR  
**SAMPLING METHOD \*** : GRAB, GRAB AND STERILE TECHNIQUE  
**SAMPLING BY \*** : N [REDACTED]  
**ANALYZED BY** : N [REDACTED]

**RECEIVED DATE** : AUGUST 30, 2023  
**ANALYTICAL DATE** : AUGUST 30 - SEPTEMBER 6, 2023  
**REPORT NO.** : 2023-U075230  
**WORK NO.** : 2022-008320  
**ANALYSIS NO.** : T23AQ958-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD
			SWIMMING POOL (SHALLOW ZONE) T23AQ958-0002	
MICROBIOLOGY				
<i>Staphylococcus aureus</i> #	/100 mL	MEMBRANE FILTER TECHNIQUE (SM: PART 9213 B)	NOT DETECTED	1/
SAMPLE CONDITION				
WATER'S COLOUR/TURBID SEDIMENT			COLOURLESS/CLEAR	

# : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF MEDICAL SCIENCE (DMSC)  
\* : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

REGULATORY STANDARD : BANGKOK METROPOLITAN REGULATIONS FOR THE BUSINESS DISTRIEMENTAL TO HEALTH, B.E. 2530 (1987).

1/ : DISEASE-CAUSING BACTERIA IS NOT DETECTED.





LABORATORY SUPERVISOR

SEPTEMBER 8, 2023



## ANALYSIS REPORT

**PROJECT NAME** : การตรวจวัดคุณภาพสิ่งแวดล้อม และการตรวจสอบการปฏิบัติตามมาตรฐานการป้องกันและแก้ไขผลกระทบสิ่งแวดล้อม  
โครงการ GRANDE CENTRE POINT HOTEL SUKHUMVIT 55 ประจำปี 2566  
**CUSTOMER NAME** : L&H HOTEL MANAGEMENT COMPANY LIMITED  
**ADDRESS** : 300 SUKHUMVIT 55 (THONGLOR) KHLONG TAN NUEA WATTHANA BANGKOK 10110  
**CONTACT INFORMATION** : TEL : 0 2020 8080, 08 7083 4737 e-mail : boonkhum.b@gcphotels.com  
**SAMPLING SOURCE** : GRANDE CENTRE POINT HOTEL SUKHUMVIT 55  
**SAMPLE TYPE** : WATER SAMPLE FROM SWIMMING POOL  
**SAMPLING DATE** : AUGUST 30, 2023  
**SAMPLING TIME** : 10:10 HOUR  
**SAMPLING METHOD <sup>a</sup>** : GRAB AND STERILE TECHNIQUE  
**SAMPLING BY <sup>c</sup>** :   
**ANALYZED BY** :   
**RECEIVED DATE** : AUGUST 30, 2023  
**ANALYTICAL DATE** : AUGUST 30 - SEPTEMBER 6, 2023  
**REPORT NO.** : 2023-U075227  
**WORK NO.** : 2022-008320  
**ANALYSIS NO.** : T23AQ958-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (DEEP ZONE) T23AQ958-0001		
MICROBIOLOGY					
COLIFORM BACTERIA <sup>b</sup>	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221B)	< 1.1	< 10	1.1
<i>E. coli</i> <sup>b</sup>	/100 mL	FLUOROGENIC SUBSTRATE TEST (SM: PART 9221D AND F)	NOT DETECTED	NOT DETECTED	-
<i>Pseudomonas aeruginosa</i> <sup>c</sup>	/100 mL	MEMBRANE FILTER TECHNIQUE (ISO 16266)	NOT DETECTED	1/	-
SAMPLE CONDITION WATER'S COLOUR/TURBID SEDIMENT			COLOURLESS/CLEAR -		

<sup>a</sup> : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

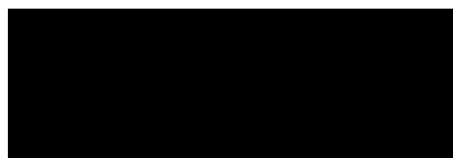
<sup>b</sup> : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

<sup>c</sup> : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

REGULATORY STANDARD : BANGKOK METROPOLITAN REGULATIONS FOR THE BUSINESS DISTRIEMENTAL TO HEALTH, B.E. 2530 (1987).

1/ : DISEASE-CAUSING BACTERIA IS NOT DETECTED.





LABORATORY SUPERVISOR

SEPTEMBER 8, 2023



## ANALYSIS REPORT

**PROJECT NAME** : การตรวจวัดคุณภาพสิ่งแวดล้อม และการตรวจสอบการปฏิบัติตามมาตรฐานการป้องกันและแก้ไขผลกระทบสิ่งแวดล้อม  
โครงการ GRANDE CENTRE POINT HOTEL SUKHUMVIT 55 ประจำปี 2566  
**CUSTOMER NAME** : L&H HOTEL MANAGEMENT COMPANY LIMITED  
**ADDRESS** : 300 SUKHUMVIT 55 (THONGLOR) KHLONG TAN NUEA WATTHANA BANGKOK 10110  
**CONTACT INFORMATION** : TEL : 0 2020 8080, 08 7083 4737 e-mail : boonkhum.b@gcphotels.com  
**SAMPLING SOURCE** : GRANDE CENTRE POINT HOTEL SUKHUMVIT 55  
**SAMPLE TYPE** : WATER SAMPLE FROM SWIMMING POOL  
**SAMPLING DATE** : AUGUST 30, 2023  
**SAMPLING TIME** : 10:10 HOUR  
**SAMPLING METHOD \*** : GRAB AND STERILE TECHNIQUE  
**SAMPLING BY \*** :   
**ANALYZED BY** :   
**RECEIVED DATE** : AUGUST 30, 2023  
**ANALYTICAL DATE** : AUGUST 30 - SEPTEMBER 6, 2023  
**REPORT NO.** : 2023-U075228  
**WORK NO.** : 2022-008320  
**ANALYSIS NO.** : T23AQ958-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD
			SWIMMING POOL (DEEP ZONE) T23AQ958-0001	
MICROBIOLOGY				
Staphylococcus aureus #	/100 mL	MEMBRANE FILTER TECHNIQUE (SM: PART 9213 B)	NOT DETECTED	1/
SAMPLE CONDITION				
WATER'S COLOUR/TURBID SEDIMENT			COLOURLESS/CLEAR -	

# : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF MEDICAL SCIENCE (DMSQ)  
\* : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

REGULATORY STANDARD : BANGKOK METROPOLITAN REGULATIONS FOR THE BUSINESS DISTRIEMENTAL TO HEALTH, B.E. 2530 (1987).

1/ : DISEASE-CAUSING BACTERIA IS NOT DETECTED.





LABORATORY SUPERVISOR

SEPTEMBER 8, 2023



## ANALYSIS REPORT

**PROJECT NAME** : การตรวจวัดคุณภาพสิ่งแวดล้อม และการตรวจสอบการปฏิบัติตามมาตรฐานการป้องกันและแก้ไขผลกระทบสิ่งแวดล้อม  
โครงการ GRANDE CENTRE POINT HOTEL SUKHUMVIT 55 ประจำปี 2566  
**CUSTOMER NAME** : L&H HOTEL MANAGEMENT COMPANY LIMITED  
**ADDRESS** : 300 SUKHUMVIT 55 (THONGLOR) KHLONG TAN NUEA WATTHANA BANGKOK 10110  
**CONTACT INFORMATION** : TEL : 0 2020 8080, 08 7083 4737 e-mail : boonkhum.b@gcphotels.com  
**SAMPLING SOURCE** : GRANDE CENTRE POINT HOTEL SUKHUMVIT 55  
**SAMPLE TYPE** : WATER SAMPLE FROM SWIMMING POOL  
**SAMPLING DATE** : SEPTEMBER 6, 2023  
**SAMPLING TIME** : 14:45 HOUR  
**SAMPLING METHOD °** : GRAB, GRAB AND STERILE TECHNIQUE  
**SAMPLING BY °** :   
**ANALYZED BY** :   
**RECEIVED DATE** : SEPTEMBER 6, 2023  
**ANALYTICAL DATE** : SEPTEMBER 6-12, 2023  
**REPORT NO.** : 2023-U078317  
**WORK NO.** : 2022-008320  
**ANALYSIS NO.** : T23AR462-0005

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (SHALLOW ZONE) T23AR462-0005		
TOTAL DISSOLVED SOLIDS °	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: PART 2540 C)	4,660	-	25
MICROBIOLOGY					
COLIFORM BACTERIA °	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221B)	< 1.1	< 10	1.1
<i>E. coli</i> °	/100 mL	FLUOROGENIC SUBSTRATE TEST (SM: PART 9221 D AND F)	NOT DETECTED	NOT DETECTED	-
<i>Pseudomonas aeruginosa</i> °	/100 mL	MEMBRANE FILTER TECHNIQUE (ISO 16266)	NOT DETECTED	1/	-
<b>SAMPLE CONDITION</b> WATER'S COLOUR/TURBID SEDIMENT			COLOURLESS/CLEAR		

° : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

° : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

° : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

REGULATORY STANDARD : BANGKOK METROPOLITAN REGULATIONS FOR THE BUSINESS DISTRICTIONAL TO HEALTH, B.E. 2530 (1987).

1/ : DISEASE-CAUSING BACTERIA IS NOT DETECTED.



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LABORATORY SUPERVISOR

SEPTEMBER 19, 2023



## ANALYSIS REPORT

**PROJECT NAME** : การตรวจวัดคุณภาพสิ่งแวดล้อม และการตรวจสอบการปฏิบัติตามมาตรฐานการป้องกันและแก้ไขผลกระทบสิ่งแวดล้อม  
โครงการ GRANDE CENTRE POINT HOTEL SUKHUMVIT 55 ประจำปี 2566  
**CUSTOMER NAME** : L&H HOTEL MANAGEMENT COMPANY LIMITED  
**ADDRESS** : 300 SUKHUMVIT 55 (THONGLOR) KHLONG TAN NUEA WATTHANA BANGKOK 10110  
**CONTACT INFORMATION** : TEL : 0 2020 8080, 08 7083 4737 e-mail : boonkhum.b@gcphotels.com  
**SAMPLING SOURCE** : GRANDE CENTRE POINT HOTEL SUKHUMVIT 55  
**SAMPLE TYPE** : WATER SAMPLE FROM SWIMMING POOL  
**SAMPLING DATE** : SEPTEMBER 6, 2023  
**SAMPLING TIME** : 14:45 HOUR  
**SAMPLING METHOD \*** : GRAB AND STERILE TECHNIQUE  
**SAMPLING BY \*** :   
**ANALYZED BY** :   
**RECEIVED DATE** : SEPTEMBER 6, 2023  
**ANALYTICAL DATE** : SEPTEMBER 6-11, 2023  
**REPORT NO.** : 2023-U078318  
**WORK NO.** : 2022-008320  
**ANALYSIS NO.** : T23AR462-0005

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (SHALLOW ZONE) T23AR462-0005		
MICROBIOLOGY					
<i>Staphylococcus aureus</i> #	/100 mL	MEMBRANE FILTER TECHNIQUE (SM: PART 9213 B)	NOT DETECTED	1/	-
SAMPLE CONDITION					
WATER'S COLOUR/TURBID			COLOURLESS/CLEAR		
SEDIMENT			-		

# : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF MEDICAL SCIENCE (DMSC)  
\* : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.  
REGULATORY STANDARD : BANGKOK METROPOLITAN REGULATIONS FOR THE BUSINESS DISTRIEMENTAL TO HEALTH, B.E. 2530 (1987).  
1/ : DISEASE-CAUSING BACTERIA IS NOT DETECTED.





LABORATORY SUPERVISOR

SEPTEMBER 19, 2023





## ANALYSIS REPORT

**PROJECT NAME** : การตรวจวัดคุณภาพสิ่งแวดล้อม และการตรวจสอบการปฏิบัติตามมาตรฐานการป้องกันและแก้ไขผลกระทบสิ่งแวดล้อม  
โครงการ GRANDE CENTRE POINT HOTEL SUKHUMVIT 55 ประจำปี 2566  
**CUSTOMER NAME** : L&H HOTEL MANAGEMENT COMPANY LIMITED  
**ADDRESS** : 300 SUKHUMVIT 55 (THONGLOR) KHLONG TAN NUEA WATTHANA BANGKOK 10110  
**CONTACT INFORMATION** : TEL : 0 2020 8080, 08 7083 4737 e-mail : boonkhum.b@gcphotels.com  
**SAMPLING SOURCE** : GRANDE CENTRE POINT HOTEL SUKHUMVIT 55  
**SAMPLE TYPE** : WATER SAMPLE FROM SWIMMING POOL  
**SAMPLING DATE** : SEPTEMBER 6, 2023  
**SAMPLING TIME** : 14:40 HOUR  
**SAMPLING METHOD <sup>c</sup>** : GRAB AND STERILE TECHNIQUE  
**SAMPLING BY <sup>c</sup>** :   
**ANALYZED BY** :   
**RECEIVED DATE** : SEPTEMBER 6, 2023  
**ANALYTICAL DATE** : SEPTEMBER 6-12, 2023  
**REPORT NO.** : 2023-U078315  
**WORK NO.** : 2022-008320  
**ANALYSIS NO.** : T23AR462-0004

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (DEEP ZONE) T23AR462-0004		
MICROBIOLOGY					
COLIFORM BACTERIA <sup>b</sup>	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221B)	< 1.1	< 10	1.1
<i>E. coli</i> <sup>b</sup>	/100 mL	FLUOROGENIC SUBSTRATE TEST (SM: PART 9221D AND F)	NOT DETECTED	NOT DETECTED	-
<i>Pseudomonas aeruginosa</i> <sup>c</sup>	/100 mL	MEMBRANE FILTER TECHNIQUE (ISO 16266)	NOT DETECTED	1/	-
SAMPLE CONDITION WATER'S COLOUR/TURBID SEDIMENT			COLOURLESS/CLEAR -		

<sup>a</sup> : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

<sup>b</sup> : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

<sup>c</sup> : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

REGULATORY STANDARD : BANGKOK METROPOLITAN REGULATIONS FOR THE BUSINESS DISTRIEMENTAL TO HEALTH, B.E. 2530 (1987).

1/ : DISEASE-CAUSING BACTERIA IS NOT DETECTED.

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LABORATORY SUPERVISOR

SEPTEMBER 19, 2023





## ANALYSIS REPORT

**PROJECT NAME** : การตรวจวัดคุณภาพสิ่งแวดล้อม และการตรวจสอบการปฏิบัติตามมาตรฐานการป้องกันและแก้ไขผลกระทบสิ่งแวดล้อม  
โครงการ GRANDE CENTRE POINT HOTEL SUKHUMVIT 55 ประจำปี 2566  
**CUSTOMER NAME** : L&H HOTEL MANAGEMENT COMPANY LIMITED  
**ADDRESS** : 300 SUKHUMVIT 55 (THONGLOR) KHLONG TAN NUEA WATTHANA BANGKOK 10110  
**CONTACT INFORMATION** : TEL : 0 2020 8080, 08 7083 4737 e-mail : boonkhum.b@gcphotels.com  
**SAMPLING SOURCE** : GRANDE CENTRE POINT HOTEL SUKHUMVIT 55  
**SAMPLE TYPE** : WATER SAMPLE FROM SWIMMING POOL  
**SAMPLING DATE** : SEPTEMBER 6, 2023  
**SAMPLING TIME** : 14:40 HOUR  
**SAMPLING METHOD \*** : GRAB AND STERILE TECHNIQUE  
**SAMPLING BY \*** :   
**ANALYZED BY** :   
**RECEIVED DATE** : SEPTEMBER 6, 2023  
**ANALYTICAL DATE** : SEPTEMBER 6-11, 2023  
**REPORT NO.** : 2023-U078316  
**WORK NO.** : 2022-008320  
**ANALYSIS NO.** : T23AR462-0004

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (DEEP ZONE) T23AR462-0004		
MICROBIOLOGY					
<i>Staphylococcus aureus</i> #	/100 mL	MEMBRANE FILTER TECHNIQUE (SM: PART 9213 B)	NOT DETECTED	1/	-
SAMPLE CONDITION					
WATER'S COLOUR/TURBID			COLOURLESS/CLEAR		
SEDIMENT					

# : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF MEDICAL SCIENCE (DMSC)  
\* : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.  
REGULATORY STANDARD : BANGKOK METROPOLITAN REGULATIONS FOR THE BUSINESS DISTRIEMENTAL TO HEALTH, B.E. 2530 (1987).  
1/ : DISEASE-CAUSING BACTERIA IS NOT DETECTED.





LABORATORY SUPERVISOR

SEPTEMBER 19, 2023



## ANALYSIS REPORT

**PROJECT NAME** : การตรวจวัดคุณภาพสิ่งแวดล้อม และการตรวจสอบการปฏิบัติตามมาตรฐานการป้องกันและแก้ไขผลกระทบสิ่งแวดล้อม  
โครงการ GRANDE CENTRE POINT HOTEL SUKHUMVIT 55 ประจำปี 2566  
**CUSTOMER NAME** : L&H HOTEL MANAGEMENT COMPANY LIMITED  
**ADDRESS** : 300 SUKHUMVIT 55 (THONGLOR) KHLONG TAN NUEA WATTHANA BANGKOK 10110  
**CONTACT INFORMATION** : TEL : 0 2020 8080, 08 7083 4737 e-mail : boonkhum.b@gcphotels.com  
**SAMPLING SOURCE** : GRANDE CENTRE POINT HOTEL SUKHUMVIT 55  
**SAMPLE TYPE** : WATER SAMPLE FROM SWIMMING POOL  
**SAMPLING DATE** : SEPTEMBER 13, 2023  
**SAMPLING TIME** : 10:55 HOUR  
**SAMPLING METHOD °** : GRAB, GRAB AND STERILE TECHNIQUE  
**SAMPLING BY °** :   
**ANALYZED BY** :   
**RECEIVED DATE** : SEPTEMBER 13, 2023  
**ANALYTICAL DATE** : SEPTEMBER 13-19, 2023  
**REPORT NO.** : 2023-U080014  
**WORK NO.** : 2022-008320  
**ANALYSIS NO.** : T23AS073-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (SHALLOW ZONE) T23AS073-0002		
TOTAL DISSOLVED SOLIDS °	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: PART 2540 C)	4,325	-	25
MICROBIOLOGY					
COLIFORM BACTERIA °	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B)	< 1.1	< 10	1.1
<i>E. coli</i> °	/100 mL	FLUOROGENIC SUBSTRATE TEST (SM: PART 9221 D AND F)	NOT DETECTED	NOT DETECTED	-
<i>Pseudomonas aeruginosa</i> °	/100 mL	MEMBRANE FILTER TECHNIQUE (ISO 16266)	NOT DETECTED	1/	-
<b>SAMPLE CONDITION</b> WATER'S COLOUR/TURBID SEDIMENT			COLOURLESS/CLEAR -		

° : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

° : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

° : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

REGULATORY STANDARD : BANGKOK METROPOLITAN REGULATIONS FOR THE BUSINESS DISTRICTIONAL TO HEALTH, B.E. 2530 (1987).

1/ : DISEASE-CAUSING BACTERIA IS NOT DETECTED.


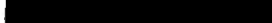
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LABORATORY SUPERVISOR

SEPTEMBER 26, 2023



## ANALYSIS REPORT

**PROJECT NAME** : การตรวจวัดคุณภาพสิ่งแวดล้อม และการตรวจสอบการปฏิบัติตามมาตรฐานการป้องกันและแก้ไขผลกระทบสิ่งแวดล้อม  
โครงการ GRANDE CENTRE POINT HOTEL SUKHUMVIT 55 ประจำปี 2566  
**CUSTOMER NAME** : L&H HOTEL MANAGEMENT COMPANY LIMITED  
**ADDRESS** : 300 SUKHUMVIT 55 (THONGLOR) KHLONG TAN NUEA WATTHANA BANGKOK 10110  
**CONTACT INFORMATION** : TEL : 0 2020 8080, 08 7083 4737 e-mail : boonkhum.b@gcphotels.com  
**SAMPLING SOURCE** : GRANDE CENTRE POINT HOTEL SUKHUMVIT 55  
**SAMPLE TYPE** : WATER SAMPLE FROM SWIMMING POOL  
**SAMPLING DATE** : SEPTEMBER 13, 2023  
**SAMPLING TIME** : 10:55 HOUR  
**SAMPLING METHOD \*** : GRAB AND STERILE TECHNIQUE  
**SAMPLING BY \*** :   
**ANALYZED BY** :   
**RECEIVED DATE** : SEPTEMBER 13, 2023  
**ANALYTICAL DATE** : SEPTEMBER 13-17, 2023  
**REPORT NO.** : 2023-U080015  
**WORK NO.** : 2022-008320  
**ANALYSIS NO.** : T23AS073-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (SHALLOW ZONE) T23AS073-0002		
MICROBIOLOGY					
Staphylococcus aureus #	/100 mL	MEMBRANE FILTER TECHNIQUE (SM: PART 9213 B)	NOT DETECTED	1/	-
SAMPLE CONDITION					
WATER'S COLOUR/TURBID			COLOURLESS/CLEAR		
SEDIMENT			-		

# : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF MEDICAL SCIENCE (DMSC)  
\* : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED


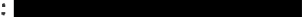
SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.  
REGULATORY STANDARD : BANGKOK METROPOLITAN REGULATIONS FOR THE BUSINESS DISTRIMENTAL TO HEALTH, B.E. 2530 (1987).  
1/ : DISEASE-CAUSING BACTERIA IS NOT DETECTED.

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LABORATORY SUPERVISOR

SEPTEMBER 26, 2023



## ANALYSIS REPORT

**PROJECT NAME** : การตรวจวัดคุณภาพสิ่งแวดล้อม และการตรวจสอบการปฏิบัติตามมาตรฐานการป้องกันและแก้ไขผลกระทบสิ่งแวดล้อม  
โครงการ GRANDE CENTRE POINT HOTEL SUKHUMVIT 55 ประจำปี 2566  
**CUSTOMER NAME** : L&H HOTEL MANAGEMENT COMPANY LIMITED  
**ADDRESS** : 300 SUKHUMVIT 55 (THONGLOR) KHLONG TAN NUEA WATTHANA BANGKOK 10110  
**CONTACT INFORMATION** : TEL : 0 2020 8080, 08 7083 4737 e-mail : boonkhum.b@gcphotel.com  
**SAMPLING SOURCE** : GRANDE CENTRE POINT HOTEL SUKHUMVIT 55  
**SAMPLE TYPE** : WATER SAMPLE FROM SWIMMING POOL  
**SAMPLING DATE** : SEPTEMBER 13, 2023  
**SAMPLING TIME** : 10:50 HOUR  
**SAMPLING METHOD °** : GRAB AND STERILE TECHNIQUE  
**SAMPLING BY °** :   
**ANALYZED BY** :   
**RECEIVED DATE** : SEPTEMBER 13, 2023  
**ANALYTICAL DATE** : SEPTEMBER 13-17, 2023  
**REPORT NO.** : 2023-U080012  
**WORK NO.** : 2022-008320  
**ANALYSIS NO.** : T23AS073-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (DEEP ZONE) T23AS073-0001		
MICROBIOLOGY					
COLIFORM BACTERIA <sup>b</sup>	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221B)	< 1.1	< 10	1.1.
<i>E. coli</i> <sup>b</sup>	/100 mL	FLUOROGENIC SUBSTRATE TEST (SM: PART 9221D AND F)	NOT DETECTED	NOT DETECTED	-
<i>Pseudomonas aeruginosa</i> <sup>c</sup>	/100 mL	MEMBRANE FILTER TECHNIQUE (ISO 16266)	NOT DETECTED	1/	-
SAMPLE CONDITION					
WATER'S COLOUR/TURBID SEDIMENT			COLOURLESS/CLEAR		

<sup>a</sup> : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

<sup>b</sup> : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

<sup>c</sup> : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

REGULATORY STANDARD : BANGKOK METROPOLITAN REGULATIONS FOR THE BUSINESS DISTRIEMENTAL TO HEALTH, B.E. 2530 (1987).

1/ : DISEASE-CAUSING BACTERIA IS NOT DETECTED.



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LABORATORY SUPERVISOR

SEPTEMBER 26, 2023



## ANALYSIS REPORT

**PROJECT NAME** : การตรวจวัดคุณภาพสิ่งแวดล้อม และการตรวจสอบการปฏิบัติตามมาตรฐานการป้องกันและแก้ไขผลกระทบสิ่งแวดล้อม  
โครงการ GRANDE CENTRE POINT HOTEL SUKHUMVIT 55 ประจำปี 2566  
**CUSTOMER NAME** : L&H HOTEL MANAGEMENT COMPANY LIMITED  
**ADDRESS** : 300 SUKHUMVIT 55 (THONGLOR) KHLONG TAN NUEA WATTHANA BANGKOK 10110  
**CONTACT INFORMATION** : TEL : 0 2020 8080, 08 7083 4737 e-mail : boonkhum.b@gcphotels.com  
**SAMPLING SOURCE** : GRANDE CENTRE POINT HOTEL SUKHUMVIT 55  
**SAMPLE TYPE** : WATER SAMPLE FROM SWIMMING POOL  
**SAMPLING DATE** : SEPTEMBER 13, 2023  
**SAMPLING TIME** : 10:50 HOUR  
**SAMPLING METHOD \*** : GRAB AND STERILE TECHNIQUE  
**SAMPLING BY \*** :   
**ANALYZED BY** :   
**RECEIVED DATE** : SEPTEMBER 13, 2023  
**ANALYTICAL DATE** : SEPTEMBER 13-17, 2023  
**REPORT NO.** : 2023-U080013  
**WORK NO.** : 2022-008320  
**ANALYSIS NO.** : T23AS073-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (DEEP ZONE) T23AS073-0001		
MICROBIOLOGY					
Staphylococcus aureus #	/100 mL	MEMBRANE FILTER TECHNIQUE (SM: PART 9213 B)	NOT DETECTED	1/	-
SAMPLE CONDITION					
WATER'S COLOUR/TURBID SEDIMENT			COLOURLESS/CLEAR		

# : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF MEDICAL SCIENCE (DMSC)

\* : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

REGULATORY STANDARD : BANGKOK METROPOLITAN REGULATIONS FOR THE BUSINESS DISTRIMENTAL TO HEALTH, B.E. 2530 (1987).

1/ : DISEASE-CAUSING BACTERIA IS NOT DETECTED.



LABORATORY SUPERVISOR

SEPTEMBER 26, 2023



## ANALYSIS REPORT

**PROJECT NAME** : การตรวจวัดคุณภาพสิ่งแวดล้อม และการตรวจสอบการปฏิบัติตามมาตรฐานการป้องกันและแก้ไขผลกระทบสิ่งแวดล้อม  
โครงการ GRANDE CENTRE POINT HOTEL SUKHUMVIT 55 ประจำปี 2566

**CUSTOMER NAME** : L&H HOTEL MANAGEMENT COMPANY LIMITED

**ADDRESS** : 300 SUKHUMVIT 55 (THONGLOR) KHLONG TAN NUEA WATTHANA BANGKOK 10110

**CONTACT INFORMATION** : TEL : 0 2020 8080, 08 7083 4737 e-mail : boonkhum.b@gcphotels.com

**SAMPLING SOURCE** : GRANDE CENTRE POINT HOTEL SUKHUMVIT 55

**SAMPLE TYPE** : WATER SAMPLE FROM SWIMMING POOL

**SAMPLING DATE** : SEPTEMBER 20, 2023

**SAMPLING TIME** : 14:50 HOUR

**SAMPLING METHOD** : GRAB, GRAB AND STERILE TECHNIQUE

**SAMPLING BY** : [REDACTED]

**ANALYZED BY** : [REDACTED]

**RECEIVED DATE** : SEPTEMBER 20, 2023

**ANALYTICAL DATE** : SEPTEMBER 20-27, 2023

**REPORT NO.** : 2023-U082674

**WORK NO.** : 2022-008320

**ANALYSIS NO.** : T23AS704-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (SHALLOW ZONE) T23AS704-0002		
TOTAL DISSOLVED SOLIDS <sup>c</sup>	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: PART 2540 C)	4,157	-	25
MICROBIOLOGY					
COLIFORM BACTERIA <sup>b</sup>	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221B)	< 1.1	< 10	1.1
<i>E. coli</i> <sup>b</sup>	/100 mL	FLUOROGENIC SUBSTRATE TEST (SM: PART 9221 D AND F)	NOT DETECTED	NOT DETECTED	-
<i>Pseudomonas aeruginosa</i> <sup>c</sup>	/100 mL	MEMBRANE FILTER TECHNIQUE (ISO 16266)	NOT DETECTED	1/	-
<b>SAMPLE CONDITION</b> WATER'S COLOUR/TURBID SEDIMENT			COLOURLESS/CLEAR -		

<sup>a</sup> : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

<sup>b</sup> : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

<sup>c</sup> : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

REGULATORY STANDARD : BANGKOK METROPOLITAN REGULATIONS FOR THE BUSINESS DISTRIMENTAL TO HEALTH, B.E. 2530 (1987).

1/ : DISEASE-CAUSING BACTERIA IS NOT DETECTED.

... [REDACTED] ...

LABORATORY SUPERVISOR

OCTOBER 4, 2023





## ANALYSIS REPORT

**PROJECT NAME** : การตรวจวัดคุณภาพสิ่งแวดล้อม และการตรวจสอบการปฏิบัติตามมาตรฐานการป้องกันและแก้ไขผลกระทบสิ่งแวดล้อม  
**CUSTOMER NAME** : โครงการ GRANDE CENTRE POINT HOTEL SUKHUMVIT 55 ประจำปี 2566  
**ADDRESS** : L&H HOTEL MANAGEMENT COMPANY LIMITED  
**CONTACT INFORMATION** : 300 SUKHUMVIT 55 (THONGLOR) KHLONG TAN NUEA WATTHANA BANGKOK 10110  
**SAMPLING SOURCE** : TEL : 0 2020 8080, 08 7083 4737 e-mail : boonkhum.b@gcphotels.com  
**SAMPLE TYPE** : GRANDE CENTRE POINT HOTEL SUKHUMVIT 55  
**SAMPLING DATE** : WATER SAMPLE FROM SWIMMING POOL  
**SAMPLING TIME** : RECEIVED DATE : SEPTEMBER 20, 2023  
**SAMPLING METHOD \*** : SEPTEMBER 20, 2023  
**SAMPLING BY \*** : 14:50 HOUR  
**ANALYZED BY** : GRAB, GRAB AND STERILE TECHNIQUE  
: ANALYTICAL DATE : SEPTEMBER 20-24, 2023  
: REPORT NO. : 2023-U082675  
: WORK NO. : 2022-008320  
: ANALYSIS NO. : T23AS704-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (SHALLOW ZONE) T23AS704-0002		
MICROBIOLOGY					
<i>Staphylococcus aureus</i> #	/100 mL	MEMBRANE FILTER TECHNIQUE (SM: PART 9213 B)	NOT DETECTED	1/	-
SAMPLE CONDITION					
WATER'S COLOUR/TURBID			COLOURLESS/CLEAR		
SEDIMENT					

# : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF MEDICAL SCIENCE (DMSC)  
\* : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

REGULATORY STANDARD : BANGKOK METROPOLITAN REGULATIONS FOR THE BUSINESS DISTRIEMENTAL TO HEALTH, B.E. 2530 (1987).

1/ : DISEASE-CAUSING BACTERIA IS NOT DETECTED.



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[Signature]  
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LABORATORY SUPERVISOR

OCTOBER 4, 2023



## ANALYSIS REPORT

**PROJECT NAME** : การตรวจวัดคุณภาพสิ่งแวดล้อม และการตรวจสอบการปฏิบัติตามมาตรการป้องกันและแก้ไขผลกระทบสิ่งแวดล้อม  
โครงการ GRANDE CENTRE POINT HOTEL SUKHUMVIT 55 ประจำปี 2566  
**CUSTOMER NAME** : L&H HOTEL MANAGEMENT COMPANY LIMITED  
**ADDRESS** : 300 SUKHUMVIT 55 (THONGLOR) KHLONG TAN NUEA WATTHANA BANGKOK 10110  
**CONTACT INFORMATION** : TEL : 0 2020 8080, 08 7083 4737 e-mail : boonkhum.b@gcphotels.com  
**SAMPLING SOURCE** : GRANDE CENTRE POINT HOTEL SUKHUMVIT 55  
**SAMPLE TYPE** : WATER SAMPLE FROM SWIMMING POOL  
**SAMPLING DATE** : SEPTEMBER 20, 2023  
**SAMPLING TIME** : 14:45 HOUR  
**SAMPLING METHOD °** : GRAB AND STERILE TECHNIQUE  
**SAMPLING BY °** :   
**ANALYZED BY** :   
**RECEIVED DATE** : SEPTEMBER 20, 2023  
**ANALYTICAL DATE** : SEPTEMBER 20-24, 2023  
**REPORT NO.** : 2023-U082672  
**WORK NO.** : 2022-008320  
**ANALYSIS NO.** : T23AS704-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (DEEP ZONE) T23AS704-0001		
MICROBIOLOGY					
COLIFORM BACTERIA <sup>b</sup>	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221B)	< 1.1	< .10	1.1
<i>E. coli</i> <sup>b</sup>	/100 mL	FLUOROGENIC SUBSTRATE TEST (SM: PART 9221 D AND F)	NOT DETECTED	NOT DETECTED	-
<i>Pseudomonas aeruginosa</i> <sup>c</sup>	/100 mL	MEMBRANE FILTER TECHNIQUE (ISO 16266)	NOT DETECTED	1/	-
SAMPLE CONDITION WATER'S COLOUR/TURBID SEDIMENT			COLOURLESS/CLEAR -		

<sup>a</sup> : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

<sup>b</sup> : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

<sup>c</sup> : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

REGULATORY STANDARD : BANGKOK METROPOLITAN REGULATIONS FOR THE BUSINESS DISTRICTIONAL TO HEALTH, B.E. 2530 (1987).


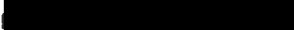
1/ : DISEASE-CAUSING BACTERIA IS NOT DETECTED.

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LABORATORY SUPERVISOR

OCTOBER 4, 2023



## ANALYSIS REPORT

**PROJECT NAME** : การตรวจวัดคุณภาพสิ่งแวดล้อม และการตรวจสอบการปฏิบัติตามมาตรฐานการป้องกันและแก้ไขผลกระทบสิ่งแวดล้อม  
โครงการ GRANDE CENTRE POINT HOTEL SUKHUMVIT 55 ประจำปี 2566  
**CUSTOMER NAME** : L&H HOTEL MANAGEMENT COMPANY LIMITED  
**ADDRESS** : 300 SUKHUMVIT 55 (THONGLOR) KHLONG TAN NUEA WATTHANA BANGKOK 10110  
**CONTACT INFORMATION** : TEL : 0 2020 8080, 08 7083 4737 e-mail : boonkhum.b@gcphotels.com  
**SAMPLING SOURCE** : GRANDE CENTRE POINT HOTEL SUKHUMVIT 55  
**SAMPLE TYPE** : WATER SAMPLE FROM SWIMMING POOL  
**SAMPLING DATE** : SEPTEMBER 20, 2023  
**SAMPLING TIME** : 14:45 HOUR  
**SAMPLING METHOD \*** : GRAB AND STERILE TECHNIQUE  
**SAMPLING BY \*** :   
**ANALYZED BY** :   
**RECEIVED DATE** : SEPTEMBER 20, 2023  
**ANALYTICAL DATE** : SEPTEMBER 20-24, 2023  
**REPORT NO.** : 2023-U082673  
**WORK NO.** : 2022-008320  
**ANALYSIS NO.** : T23AS704-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (DEEP ZONE) T23AS704-0001		
MICROBIOLOGY					
<i>Staphylococcus aureus</i> #	/100 mL	MEMBRANE FILTER TECHNIQUE (SM: PART 9213 B)	NOT DETECTED	1/	-
SAMPLE CONDITION					
WATER'S COLOUR/TURBID			COLOURLESS/CLEAR		
SEDIMENT			-		

# : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF MEDICAL SCIENCE (DMSC)  
\* : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.  
REGULATORY STANDARD : BANGKOK METROPOLITAN REGULATIONS FOR THE BUSINESS DISTRIMENTAL TO HEALTH, B.E. 2530 (1987).  
1/ : DISEASE-CAUSING BACTERIA IS NOT DETECTED.

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LABORATORY SUPERVISOR

OCTOBER 4, 2023



## ANALYSIS REPORT

**PROJECT NAME** : การตรวจวัดคุณภาพสิ่งแวดล้อม และการตรวจสอบการปฏิบัติตามมาตรฐานการป้องกันและแก้ไขผลกระทบสิ่งแวดล้อม  
โครงการ GRANDE CENTRE POINT HOTEL SUKHUMVIT 55 ประจำปี 2566

**CUSTOMER NAME** : L&H HOTEL MANAGEMENT COMPANY LIMITED

**ADDRESS** : 300 SUKHUMVIT 55 (THONGLOR) KHLONG TAN NUEA WATTHANA BANGKOK 10110

**CONTACT INFORMATION** : TEL : 0 2020 8080, 08 7083 4737 e-mail : boonkhum.b@gcphotels.com

**SAMPLING SOURCE** : GRANDE CENTRE POINT HOTEL SUKHUMVIT 55

**SAMPLE TYPE** : WATER SAMPLE FROM SWIMMING POOL

**SAMPLING DATE** : SEPTEMBER 27, 2023

**SAMPLING TIME** : 10:20 HOUR

**SAMPLING METHOD °** : GRAB, GRAB AND STERILE TECHNIQUE

**SAMPLING BY °** : [REDACTED]

**ANALYZED BY** : [REDACTED]

**RECEIVED DATE** : SEPTEMBER 27, 2023

**ANALYTICAL DATE** : SEPTEMBER 27 - OCTOBER 3, 2023

**REPORT NO.** : 2023-U086415

**WORK NO.** : 2022-008320

**ANALYSIS NO.** : T23AT250-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (SHALLOW ZONE) T23AT250-0002		
TOTAL DISSOLVED SOLIDS °	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: PART 2540 C)	4,260	-	25
MICROBIOLOGY					
COLIFORM BACTERIA °	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B)	< 1.1	< 10	1.1
<i>E. coli</i> °	/100 mL	FLUOROGENIC SUBSTRATE TEST (SM: PART 9221 D AND F)	NOT DETECTED	NOT DETECTED	-
<i>Pseudomonas aeruginosa</i> °	/100 mL	MEMBRANE FILTER TECHNIQUE (ISO 16266)	DETECTED	1/	-
<b>SAMPLE CONDITION</b>					
WATER'S COLOUR/TURBID			COLOURLESS/CLEAR		
SEDIMENT			-		

° : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

° : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

° : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

REGULATORY STANDARD : BANGKOK METROPOLITAN REGULATIONS FOR THE BUSINESS DISTRIMENTAL TO HEALTH, B.E. 2530 (1987).

1/ : DISEASE-CAUSING BACTERIA IS NOT DETECTED.

[REDACTED SIGNATURE]

LABORATORY SUPERVISOR

OCTOBER 11, 2023



## ANALYSIS REPORT

**PROJECT NAME** : การตรวจวัดคุณภาพสิ่งแวดล้อม และการตรวจสอบการปฏิบัติตามมาตรฐานการป้องกันและแก้ไขผลกระทบสิ่งแวดล้อม  
โครงการ GRANDE CENTRE POINT HOTEL SUKHUMVIT 55 ประจำปี 2566  
**CUSTOMER NAME** : L&H HOTEL MANAGEMENT COMPANY LIMITED  
**ADDRESS** : 300 SUKHUMVIT 55 (THONGLOR) KHLONG TAN NUEA WATTHANA BANGKOK 10110  
**CONTACT INFORMATION** : TEL : 0 2020 8080, 08 7083 4737 e-mail : boonkhum.b@gcphotels.com  
**SAMPLING SOURCE** : GRANDE CENTRE POINT HOTEL SUKHUMVIT 55  
**SAMPLE TYPE** : WATER SAMPLE FROM SWIMMING POOL  
**SAMPLING DATE** : SEPTEMBER 27, 2023  
**SAMPLING TIME** : 10:20 HOUR  
**SAMPLING METHOD \*** : GRAB AND STERILE TECHNIQUE  
**SAMPLING BY \*** :   
**ANALYZED BY** :   
**RECEIVED DATE** : SEPTEMBER 27, 2023  
**ANALYTICAL DATE** : SEPTEMBER 27 - OCTOBER 7, 2023  
**REPORT NO.** : 2023-U086416  
**WORK NO.** : 2022-008320  
**ANALYSIS NO.** : T23AT250-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (SHALLOW ZONE) T23AT250-0002		
MICROBIOLOGY					
<i>Staphylococcus aureus</i> #	/100 mL	MEMBRANE FILTER TECHNIQUE (SM: PART 9213 B)	NOT DETECTED	1/	-
SAMPLE CONDITION					
WATER'S COLOUR/TURBID SEDIMENT			COLOURLESS/CLEAR		

# : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF MEDICAL SCIENCE (DMSC)  
\* : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

REGULATORY STANDARD : BANGKOK METROPOLITAN REGULATIONS FOR THE BUSINESS DISTRIEMENTAL TO HEALTH, B.E. 2530 (1987).

1/ : DISEASE-CAUSING BACTERIA IS NOT DETECTED.



LABORATORY SUPERVISOR

OCTOBER 11, 2023



## ANALYSIS REPORT

**PROJECT NAME** : การตรวจวัดคุณภาพสิ่งแวดล้อม และการตรวจสอบการปฏิบัติตามมาตรฐานการป้องกันและแก้ไขผลกระทบสิ่งแวดล้อม  
โครงการ GRANDE CENTRE POINT HOTEL SUKHUMVIT 55 ประจำปี 2566

**CUSTOMER NAME** : L&H HOTEL MANAGEMENT COMPANY LIMITED

**ADDRESS** : 300 SUKHUMVIT 55 (THONGLOR) KHLONG TAN NUEA WATTHANA BANGKOK 10110

**CONTACT INFORMATION** : TEL : 0 2020 8080, 08 7083 4737 e-mail : boonkhum.b@gcphoteis.com

**SAMPLING SOURCE** : GRANDE CENTRE POINT HOTEL SUKHUMVIT 55

**SAMPLE TYPE** : WATER SAMPLE FROM SWIMMING POOL

**SAMPLING DATE** : SEPTEMBER 27, 2023

**SAMPLING TIME** : 10:15 HOUR

**SAMPLING METHOD <sup>c</sup>** : GRAB AND STERILE TECHNIQUE

**SAMPLING BY <sup>c</sup>** : [REDACTED]

**ANALYZED BY** : [REDACTED]

**RECEIVED DATE** : SEPTEMBER 27, 2023

**ANALYTICAL DATE** : SEPTEMBER 27 - OCTOBER 3, 2023

**REPORT NO.** : 2023-U086413

**WORK NO.** : 2022-008320

**ANALYSIS NO.** : T23AT250-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (DEEP ZONE) T23AT250-0001		
MICROBIOLOGY					
COLIFORM BACTERIA <sup>b</sup>	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B)	>23	< 10	1.1
<i>E. coli</i> <sup>b</sup>	/100 mL	FLUOROGENIC SUBSTRATE TEST (SM: PART 9221 D AND F)	NOT DETECTED	NOT DETECTED	-
<i>Pseudomonas aeruginosa</i> <sup>c</sup>	/100 mL	MEMBRANE FILTER TECHNIQUE (ISO 16266)	DETECTED	1/	-
SAMPLE CONDITION					
WATER'S COLOUR/TURBID			COLOURLESS/CLEAR		
SEDIMENT			-		

<sup>a</sup> : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

<sup>b</sup> : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

<sup>c</sup> : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

REGULATORY STANDARD : BANGKOK METROPOLITAN REGULATIONS FOR THE BUSINESS DISTRIEMENTAL TO HEALTH, B.E. 2530 (1987).

1/ : DISEASE-CAUSING BACTERIA IS NOT DETECTED.

[REDACTED SIGNATURE]



LABORATORY SUPERVISOR

OCTOBER 11, 2023





## ANALYSIS REPORT

**PROJECT NAME** : การตรวจวัดคุณภาพสิ่งแวดล้อม และการตรวจสอบการปฏิบัติตามมาตรฐานการป้องกันและแก้ไขผลกระทบสิ่งแวดล้อม  
โครงการ GRANDE CENTRE POINT HOTEL SUKHUMVIT 55 ประจำปี 2566  
**CUSTOMER NAME** : L&H HOTEL MANAGEMENT COMPANY LIMITED  
**ADDRESS** : 300 SUKHUMVIT 55 (THONGLOR) KHLONG TAN NUEA WATTHANA BANGKOK 10110  
**CONTACT INFORMATION** : TEL : 0 2020 8080, 08 7083 4737 e-mail : boonkhum.b@gcphotels.com  
**SAMPLING SOURCE** : GRANDE CENTRE POINT HOTEL SUKHUMVIT 55  
**SAMPLE TYPE** : WATER SAMPLE FROM SWIMMING POOL  
**SAMPLING DATE** : SEPTEMBER 27, 2023  
**SAMPLING TIME** : 10:15 HOUR  
**SAMPLING METHOD \*** : GRAB AND STERILE TECHNIQUE  
**SAMPLING BY \*** :   
**ANALYZED BY** :   
**RECEIVED DATE** : SEPTEMBER 27, 2023  
**ANALYTICAL DATE** : SEPTEMBER 27 - OCTOBER 7, 2023  
**REPORT NO.** : 2023-U086414  
**WORK NO.** : 2022-008320  
**ANALYSIS NO.** : T23AT250-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (DEEP ZONE) T23AT250-0001		
MICROBIOLOGY					
<i>Staphylococcus aureus</i> #	/100 mL	MEMBRANE FILTER TECHNIQUE (SM: PART 9213 B)	NOT DETECTED	1/	-
SAMPLE CONDITION					
WATER'S COLOUR/TURBID			COLOURLESS/CLEAR		
SEDIMENT			-		

# : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF MEDICAL SCIENCE (DMSC)  
\* : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

REGULATORY STANDARD : BANGKOK METROPOLITAN REGULATIONS FOR THE BUSINESS DISTRIEMENTAL TO HEALTH, B.E. 2530 (1987).

1/ : DISEASE-CAUSING BACTERIA IS NOT DETECTED.



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LABORATORY SUPERVISOR

OCTOBER 11, 2023



## ANALYSIS REPORT

**PROJECT NAME** : การตรวจวัดคุณภาพสิ่งแวดล้อม และการตรวจสอบการปฏิบัติตามมาตรการป้องกันและแก้ไขผลกระทบสิ่งแวดล้อม  
โครงการ GRANDE CENTRE POINT HOTEL SUKHUMVIT 55 ประจำปี 2566  
**CUSTOMER NAME** : L&H HOTEL MANAGEMENT COMPANY LIMITED  
**ADDRESS** : 300 SUKHUMVIT 55 (THONGLOR) KHLONG TAN NUEA WATTTHANA BANGKOK 10110  
**CONTACT INFORMATION** : TEL : 0 2020 8080, 08 7083 4737 e-mail : boonkhum.b@gcphotels.com  
**SAMPLING SOURCE** : GRANDE CENTRE POINT HOTEL SUKHUMVIT 55  
**SAMPLE TYPE** : WATER SAMPLE FROM SWIMMING POOL  
**SAMPLING DATE** : OCTOBER 4, 2023  
**SAMPLING TIME** : 10:35 HOUR  
**SAMPLING METHOD °** : GRAB, GRAB AND STERILE TECHNIQUE  
**SAMPLING BY °** :   
**ANALYZED BY** :   
**RECEIVED DATE** : OCTOBER 4, 2023  
**ANALYTICAL DATE** : OCTOBER 4-8, 2023  
**REPORT NO.** : 2023-U086485  
**WORK NO.** : 2022-008320  
**ANALYSIS NO.** : T23AT716-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (SHALLOW ZONE) T23AT716-0002		
TOTAL DISSOLVED SOLIDS °	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: PART 2540 C)	3,600	-	25
MICROBIOLOGY					
COLIFORM BACTERIA <sup>b</sup>	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221B)	< 1.1	< 10	1.1
<i>E. coli</i> <sup>b</sup>	/100 mL	FLUOROGENIC SUBSTRATE TEST (SM: PART 9221 D AND F)	NOT DETECTED	NOT DETECTED	-
<i>Pseudomonas aeruginosa</i> °	/100 mL	MEMBRANE FILTER TECHNIQUE (ISO 16266)	NOT DETECTED	1/	-
<b>SAMPLE CONDITION</b> WATER'S COLOUR/TURBID SEDIMENT			COLOURLESS/CLEAR -		

<sup>a</sup> : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

<sup>b</sup> : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

<sup>c</sup> : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

REGULATORY STANDARD : BANGKOK METROPOLITAN REGULATIONS FOR THE BUSINESS DISTRIKTAL TO HEALTH, B.E. 2530 (1987).

1/ : DISEASE-CAUSING BACTERIA IS NOT DETECTED.



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LABORATORY SUPERVISOR

OCTOBER 12, 2023



## ANALYSIS REPORT

**PROJECT NAME** : การตรวจวัดคุณภาพสิ่งแวดล้อม และการตรวจสอบการปฏิบัติตามมาตรฐานการป้องกันและแก้ไขผลกระทบสิ่งแวดล้อม  
โครงการ GRANDE CENTRE POINT HOTEL SUKHUMVIT 55 ประจำปี 2566  
**CUSTOMER NAME** : L&H HOTEL MANAGEMENT COMPANY LIMITED  
**ADDRESS** : 300 SUKHUMVIT 55 (THONGLOR) KHLONG TAN NUEA WATTHANA BANGKOK 10110  
**CONTACT INFORMATION** : TEL : 0 2020 8080, 08 7083 4737 e-mail : boonkhum.b@gcphotels.com  
**SAMPLING SOURCE** : GRANDE CENTRE POINT HOTEL SUKHUMVIT 55  
**SAMPLE TYPE** : WATER SAMPLE FROM SWIMMING POOL  
**SAMPLING DATE** : OCTOBER 4, 2023  
**SAMPLING TIME** : 10:35 HOUR  
**SAMPLING METHOD \*** : GRAB AND STERILE TECHNIQUE  
**SAMPLING BY \*** :   
**ANALYZED BY** :   
**RECEIVED DATE** : OCTOBER 4, 2023  
**ANALYTICAL DATE** : OCTOBER 4-7, 2023  
**REPORT NO.** : 2023-U086486  
**WORK NO.** : 2022-008320  
**ANALYSIS NO.** : T23AT716-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (SHALLOW ZONE) T23A1716-0002		
MICROBIOLOGY					
<i>Staphylococcus aureus</i> #	/100 mL	MEMBRANE FILTER TECHNIQUE (SM: PART 9213 B)	NOT DETECTED	1/	-
SAMPLE CONDITION					
WATER'S COLOUR/TURBID SEDIMENT			COLOURLESS/CLEAR -		

# : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF MEDICAL SCIENCE (DMSC)  
\* : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

REGULATORY STANDARD : BANGKOK METROPOLITAN REGULATIONS FOR THE BUSINESS DISTRIEMENTAL TO HEALTH, B.E. 2530 (1987).

1/ : DISEASE-CAUSING BACTERIA IS NOT DETECTED.


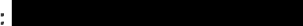


LABORATORY SUPERVISOR

OCTOBER 12, 2023



## ANALYSIS REPORT

**PROJECT NAME** : การตรวจวัดคุณภาพสิ่งแวดล้อม และการตรวจสอบการปฏิบัติตามมาตรฐานการป้องกันและแก้ไขผลกระทบสิ่งแวดล้อม  
โครงการ GRANDE CENTRE POINT HOTEL SUKHUMVIT 55 ประจำปี 2566  
**CUSTOMER NAME** : L&H HOTEL MANAGEMENT COMPANY LIMITED  
**ADDRESS** : 300 SUKHUMVIT 55 (THONGLOR) KHLONG TAN NUEA WATTHANA BANGKOK 10110  
**CONTACT INFORMATION** : TEL : 0 2020 8080, 08 7083 4737 e-mail : boonkhum.b@gcphotels.com  
**SAMPLING SOURCE** : GRANDE CENTRE POINT HOTEL SUKHUMVIT 55  
**SAMPLE TYPE** : WATER SAMPLE FROM SWIMMING POOL  
**SAMPLING DATE** : OCTOBER 4, 2023  
**SAMPLING TIME** : 10:30 HOUR  
**SAMPLING METHOD °** : GRAB AND STERILE TECHNIQUE  
**SAMPLING BY °** :   
**ANALYZED BY** :   
**RECEIVED DATE** : OCTOBER 4, 2023  
**ANALYTICAL DATE** : OCTOBER 4-8, 2023  
**REPORT NO.** : 2023-U086483  
**WORK NO.** : 2022-008320  
**ANALYSIS NO.** : T23AT716-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (DEEP ZONE) T23AT716-0001		
MICROBIOLOGY					
COLIFORM BACTERIA <sup>b</sup>	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B)	< 1.1	< 10	1.1
<i>E. coli</i> <sup>b</sup>	/100 mL	FLUOROGENIC SUBSTRATE TEST (SM: PART 9221 D AND F)	NOT DETECTED	NOT DETECTED	-
<i>Pseudomonas aeruginosa</i> <sup>c</sup>	/100 mL	MEMBRANE FILTER TECHNIQUE (ISO 16266)	NOT DETECTED	1/	-
SAMPLE CONDITION					
WATER'S COLOUR/TURBID SEDIMENT			COLOURLESS/CLEAR		

<sup>a</sup> : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

<sup>b</sup> : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

<sup>c</sup> : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

REGULATORY STANDARD : BANGKOK METROPOLITAN REGULATIONS FOR THE BUSINESS DISTRIMENTAL TO HEALTH, B.E. 2530 (1987).

1/ : DISEASE-CAUSING BACTERIA IS NOT DETECTED.


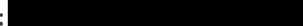
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LABORATORY SUPERVISOR

OCTOBER 12, 2023



## ANALYSIS REPORT

**PROJECT NAME** : การตรวจวัดคุณภาพสิ่งแวดล้อม และการตรวจสอบการปฏิบัติตามมาตรฐานการป้องกันและแก้ไขผลกระทบสิ่งแวดล้อม  
โครงการ GRANDE CENTRE POINT HOTEL SUKHUMVIT 55 ประจำปี 2566  
**CUSTOMER NAME** : L&H HOTEL MANAGEMENT COMPANY LIMITED  
**ADDRESS** : 300 SUKHUMVIT 55 (THONGLOR) KHLONG TAN NUEA WATTHANA BANGKOK 10110  
**CONTACT INFORMATION** : TEL : 0 2020 8080, 08 7083 4737 e-mail : boonkhum.b@gcphotels.com  
**SAMPLING SOURCE** : GRANDE CENTRE POINT HOTEL SUKHUMVIT 55  
**SAMPLE TYPE** : WATER SAMPLE FROM SWIMMING POOL  
**SAMPLING DATE** : OCTOBER 4, 2023  
**SAMPLING TIME** : 10:30 HOUR  
**SAMPLING METHOD \*** : GRAB AND STERILE TECHNIQUE  
**SAMPLING BY \*** :   
**ANALYZED BY** : 

**RECEIVED DATE** : OCTOBER 4, 2023  
**ANALYTICAL DATE** : OCTOBER 4-7, 2023  
**REPORT NO.** : 2023-U086484  
**WORK NO.** : 2022-008320  
**ANALYSIS NO.** : T23AT716-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (DEEP ZONE) T23AT716-0001		
MICROBIOLOGY					
<i>Staphylococcus aureus</i> #	/100 mL	MEMBRANE FILTER TECHNIQUE (SM: PART 9213 B)	NOT DETECTED	1/	-
SAMPLE CONDITION					
WATER'S COLOUR/TURBID SEDIMENT			COLOURLESS/CLEAR -		

# : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF MEDICAL SCIENCE (DMSQ)  
\* : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.  
REGULATORY STANDARD : BANGKOK METROPOLITAN REGULATIONS FOR THE BUSINESS DISTRIEMENTAL TO HEALTH, B.E. 2530 (1987).  
1/ : DISEASE-CAUSING BACTERIA IS NOT DETECTED.



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LABORATORY SUPERVISOR

OCTOBER 12, 2023





## ANALYSIS REPORT

**PROJECT NAME** : การตรวจวัดคุณภาพสิ่งแวดล้อม และการตรวจสอบการปฏิบัติตามมาตรฐานการป้องกันและแก้ไขผลกระทบสิ่งแวดล้อม  
โครงการ GRANDE CENTRE POINT HOTEL SUKHUMVIT 55 ประจำปี 2566  
**CUSTOMER NAME** : L&H HOTEL MANAGEMENT COMPANY LIMITED  
**ADDRESS** : 300 SUKHUMVIT 55 (THONGLOR) KHLONG TAN NUEA WATTHANA BANGKOK 10110  
**CONTACT INFORMATION** : TEL : 0 2020 8080, 08 7083 4737 e-mail : boonkhun.b@gcphotels.com  
**SAMPLING SOURCE** : GRANDE CENTRE POINT HOTEL SUKHUMVIT 55  
**SAMPLE TYPE** : WATER SAMPLE FROM SWIMMING POOL  
**SAMPLING DATE** : OCTOBER 11, 2023  
**SAMPLING TIME** : 14:50 HOUR  
**SAMPLING METHOD <sup>c</sup>** : GRAB, GRAB AND STERILE TECHNIQUE  
**SAMPLING BY <sup>c</sup>** :   
**ANALYZED BY** : 

**RECEIVED DATE** : OCTOBER 11, 2023  
**ANALYTICAL DATE** : OCTOBER 11-19, 2023  
**REPORT NO.** : 2023-U089590  
**WORK NO.** : 2022-008320  
**ANALYSIS NO.** : T23AU252-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (SHALLOW ZONE) T23AU252-0002		
TOTAL DISSOLVED SOLIDS <sup>c</sup>	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: PART 2540 C)	3,830	-	25
MICROBIOLOGY					
COLIFORM BACTERIA <sup>b</sup>	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221B)	< 1.1	< 10	1.1
<i>E. coli</i> <sup>b</sup>	/100 mL	FLUOROGENIC SUBSTRATE TEST (SM: PART 9221 D AND F)	NOT DETECTED	NOT DETECTED	-
<i>Pseudomonas aeruginosa</i> <sup>c</sup>	/100 mL	MEMBRANE FILTER TECHNIQUE (ISO 16266)	NOT DETECTED	1/	-
<b>SAMPLE CONDITION</b> WATER'S COLOUR/TURBID SEDIMENT			COLOURLESS/CLEAR -		

<sup>a</sup> : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

<sup>b</sup> : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

<sup>c</sup> : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

REGULATORY STANDARD : BANGKOK METROPOLITAN REGULATIONS FOR THE BUSINESS DISTRIMENTAL TO HEALTH, B.E. 2530 (1987).

1/ : DISEASE-CAUSING BACTERIA IS NOT DETECTED.

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LABORATORY SUPERVISOR

OCTOBER 24, 2023





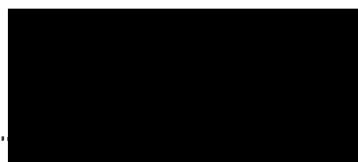
## ANALYSIS REPORT

**PROJECT NAME** : การตรวจวัดคุณภาพสิ่งแวดล้อม และการตรวจสอบการปฏิบัติตามมาตรฐานการป้องกันและแก้ไขผลกระทบสิ่งแวดล้อม  
โครงการ GRANDE CENTRE POINT HOTEL SUKHUMVIT 55 ประจำปี 2566  
**CUSTOMER NAME** : L&H HOTEL MANAGEMENT COMPANY LIMITED  
**ADDRESS** : 300 SUKHUMVIT 55 (THONGLOR) KHLONG TAN NUEA WATTHANA BANGKOK 10110  
**CONTACT INFORMATION** : TEL : 0 2020 8080, 08 7083 4737 e-mail : boonkhum.b@gcphotels.com  
**SAMPLING SOURCE** : GRANDE CENTRE POINT HOTEL SUKHUMVIT 55  
**SAMPLE TYPE** : WATER SAMPLE FROM SWIMMING POOL  
**SAMPLING DATE** : OCTOBER 11, 2023  
**SAMPLING TIME** : 14:50 HOUR  
**SAMPLING METHOD \*** : GRAB AND STERILE TECHNIQUE  
**SAMPLING BY \*** :   
**ANALYZED BY** :   
**RECEIVED DATE** : OCTOBER 11, 2023  
**ANALYTICAL DATE** : OCTOBER 11-14, 2023  
**REPORT NO.** : 2023-U089591  
**WORK NO.** : 2022-008320  
**ANALYSIS NO.** : T23AU252-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (SHALLOW ZONE) T23AU252-0002		
MICROBIOLOGY					
<i>Staphylococcus aureus</i> #	/100 mL	MEMBRANE FILTER TECHNIQUE (SM: PART 9213 B)	NOT DETECTED	1/	-
SAMPLE CONDITION WATER'S COLOUR/TURBID SEDIMENT			COLOURLESS/CLEAR		

# : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF MEDICAL SCIENCE (DMSC)  
\* : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.  
REGULATORY STANDARD : BANGKOK METROPOLITAN REGULATIONS FOR THE BUSINESS DISTRIEMENTAL TO HEALTH, B.E. 2530 (1987).  
1/ : DISEASE-CAUSING BACTERIA IS NOT DETECTED.





LABORATORY SUPERVISOR

OCTOBER 24, 2023



## ANALYSIS REPORT

**PROJECT NAME** : การตรวจวัดคุณภาพสิ่งแวดล้อม และการตรวจสอบการปฏิบัติตามมาตรฐานการป้องกันและแก้ไขผลกระทบสิ่งแวดล้อม  
โครงการ GRANDE CENTRE POINT HOTEL SUKHUMVIT 55 ประจำปี 2566  
**CUSTOMER NAME** : L&H HOTEL MANAGEMENT COMPANY LIMITED  
**ADDRESS** : 300 SUKHUMVIT 55 (THONGLOR) KHLONG TAN NUEA WATTHANA BANGKOK 10110  
**CONTACT INFORMATION** : TEL : 0 2020 8080, 08 7083 4737 e-mail : boonkhum.b@gcphotels.com  
**SAMPLING SOURCE** : GRANDE CENTRE POINT HOTEL SUKHUMVIT 55  
**SAMPLE TYPE** : WATER SAMPLE FROM SWIMMING POOL  
**SAMPLING DATE** : OCTOBER 11, 2023  
**SAMPLING TIME** : 14:45 HOUR  
**SAMPLING METHOD <sup>c</sup>** : GRAB AND STERILE TECHNIQUE  
**SAMPLING BY <sup>c</sup>** :   
**ANALYZED BY** : 

**RECEIVED DATE** : OCTOBER 11, 2023  
**ANALYTICAL DATE** : OCTOBER 11-19, 2023  
**REPORT NO.** : 2023-U089588  
**WORK NO.** : 2022-008320  
**ANALYSIS NO.** : T23AU252-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (DEEP ZONE) T23AU252-0001		
MICROBIOLOGY					
COLIFORM BACTERIA <sup>b</sup>	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B)	< 1.1	< 10	1.1
<i>E. coli</i> <sup>b</sup>	/100 mL	FLUOROGENIC SUBSTRATE TEST (SM: PART 9221 D AND F)	NOT DETECTED	NOT DETECTED	-
<i>Pseudomonas aeruginosa</i> <sup>c</sup>	/100 mL	MEMBRANE FILTER TECHNIQUE (ISO 16266)	NOT DETECTED	1/	-
SAMPLE CONDITION					
WATER'S COLOUR/TURBID SEDIMENT			COLOURLESS/CLEAR		

<sup>a</sup> : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

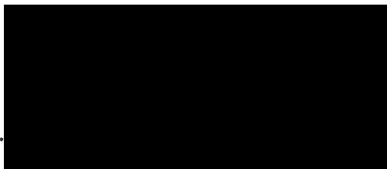
<sup>b</sup> : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

<sup>c</sup> : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

REGULATORY STANDARD : BANGKOK METROPOLITAN REGULATIONS FOR THE BUSINESS DISTRIMENTAL TO HEALTH, B.E. 2530 (1987).

1/ : DISEASE-CAUSING BACTERIA IS NOT DETECTED.



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LABORATORY SUPERVISOR

OCTOBER 24, 2023



## ANALYSIS REPORT

**PROJECT NAME** : การตรวจวัดคุณภาพสิ่งแวดล้อม และการตรวจสอบการปฏิบัติตามมาตรฐานการป้องกันและแก้ไขผลกระทบสิ่งแวดล้อม  
โครงการ GRANDE CENTRE POINT HOTEL SUKHUMVIT 55 ประจำปี 2566  
**CUSTOMER NAME** : L&H HOTEL MANAGEMENT COMPANY LIMITED  
**ADDRESS** : 300 SUKHUMVIT 55 (THONGLOR) KHLONG TAN NUEA WATTHANA BANGKOK 10110  
**CONTACT INFORMATION** : TEL : 0 2020 8080, 08 7083 4737 e-mail : boonkhum.b@gcphotels.com  
**SAMPLING SOURCE** : GRANDE CENTRE POINT HOTEL SUKHUMVIT 55  
**SAMPLE TYPE** : WATER SAMPLE FROM SWIMMING POOL  
**SAMPLING DATE** : OCTOBER 11, 2023  
**SAMPLING TIME** : 14:45 HOUR  
**SAMPLING METHOD \*** : GRAB AND STERILE TECHNIQUE  
**SAMPLING BY \*** :   
**ANALYZED BY** : 

**RECEIVED DATE** : OCTOBER 11, 2023  
**ANALYTICAL DATE** : OCTOBER 11-14, 2023  
**REPORT NO.** : 2023-U089589  
**WORK NO.** : 2022-008320  
**ANALYSIS NO.** : T23AU252-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (DEEP ZONE) T23AU252-0001		
MICROBIOLOGY					
<i>Staphylococcus aureus</i> #	/100 mL	MEMBRANE FILTER TECHNIQUE (SM: PART 9213 B)	NOT DETECTED	1/	-
SAMPLE CONDITION					
WATER'S COLOUR/TURBID SEDIMENT			COLOURLESS/CLEAR -		

# : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF MEDICAL SCIENCE (DMSQ)  
\* : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.  
REGULATORY STANDARD : BANGKOK METROPOLITAN REGULATIONS FOR THE BUSINESS DISTRIEMENTAL TO HEALTH, B.E. 2530 (1987).  
1/ : DISEASE-CAUSING BACTERIA IS NOT DETECTED.





LABORATORY SUPERVISOR

OCTOBER 24, 2023



## ANALYSIS REPORT

**PROJECT NAME** : การตรวจวัดคุณภาพสิ่งแวดล้อม และการตรวจสอบการปฏิบัติตามมาตรฐานการป้องกันและแก้ไขผลกระทบสิ่งแวดล้อม  
โครงการ GRANDE CENTRE POINT HOTEL SUKHUMVIT 55 ประจำปี 2566  
**CUSTOMER NAME** : L&H HOTEL MANAGEMENT COMPANY LIMITED  
**ADDRESS** : 300 SUKHUMVIT 55 (THONGLOR) KHLONG TAN NUEA WATTHANA BANGKOK 10110  
**CONTACT INFORMATION** : TEL : 0 2020 8080, 08 7083 4737 e-mail : boonkhum.b@gcphotels.com  
**SAMPLING SOURCE** : GRANDE CENTRE POINT HOTEL SUKHUMVIT 55  
**SAMPLE TYPE** : WATER SAMPLE FROM SWIMMING POOL  
**SAMPLING DATE** : OCTOBER 18, 2023  
**SAMPLING TIME** : 11:10 HOUR  
**SAMPLING METHOD °** : GRAB, GRAB AND STERILE TECHNIQUE  
**SAMPLING BY °** :   
**ANALYZED BY** :   
**RECEIVED DATE** : OCTOBER 18, 2023  
**ANALYTICAL DATE** : OCTOBER 18-24, 2023  
**REPORT NO.** : 2023-U091701  
**WORK NO.** : 2022-008320  
**ANALYSIS NO.** : T23AU669-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (SHALLOW ZONE) T23AU669-0002		
TOTAL DISSOLVED SOLIDS °	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: PART 2540 C)	3,670	-	25
MICROBIOLOGY					
COLIFORM BACTERIA <sup>b</sup>	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B)	< 1.1	< 10	1.1
<i>E. coli</i> <sup>b</sup>	/100 mL	FLUOROGENIC SUBSTRATE TEST (SM: PART 9221 D AND F)	NOT DETECTED	NOT DETECTED	-
<i>Pseudomonas aeruginosa</i> °	/100 mL	MEMBRANE FILTER TECHNIQUE (ISO 16266)	NOT DETECTED	1/	-
<b>SAMPLE CONDITION</b> WATER'S COLOUR/TURBID SEDIMENT			COLOURLESS/CLEAR -		

<sup>a</sup> : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

<sup>b</sup> : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

° : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

REGULATORY STANDARD : BANGKOK METROPOLITAN REGULATIONS FOR THE BUSINESS DISTRIMENTAL TO HEALTH, B.E. 2530 (1987).

1/ : DISEASE-CAUSING BACTERIA IS NOT DETECTED.

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LABORATORY SUPERVISOR

OCTOBER 31, 2023



## ANALYSIS REPORT

**PROJECT NAME** : การตรวจวัดคุณภาพสิ่งแวดล้อม และการตรวจสอบการปฏิบัติตามมาตรฐานการป้องกันและแก้ไขผลกระทบสิ่งแวดล้อม  
โครงการ GRANDE CENTRE POINT HOTEL SUKHUMVIT 55 ประจำปี 2566

**CUSTOMER NAME** : L&H HOTEL MANAGEMENT COMPANY LIMITED

**ADDRESS** : 300 SUKHUMVIT 55 (THONGLOR) KHLONG TAN NUEA WATTHANA BANGKOK 10110

**CONTACT INFORMATION** : TEL : 0 2020 8080, 08 7083 4737 e-mail : boonkhum.b@gcphotels.com

**SAMPLING SOURCE** : GRANDE CENTRE POINT HOTEL SUKHUMVIT 55

**SAMPLE TYPE** : WATER SAMPLE FROM SWIMMING POOL

**SAMPLING DATE** : OCTOBER 18, 2023

**SAMPLING TIME** : 11:10 HOUR

**SAMPLING METHOD \*** : GRAB AND STERILE TECHNIQUE

**SAMPLING BY \*** : [REDACTED]

**ANALYZED BY** : [REDACTED]

**RECEIVED DATE** : OCTOBER 18, 2023

**ANALYTICAL DATE** : OCTOBER 18-24, 2023

**REPORT NO.** : 2023-U091703

**WORK NO.** : 2022-008320

**ANALYSIS NO.** : T23AU669-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (SHALLOW ZONE) T23AU669-0002		
MICROBIOLOGY					
<i>Staphylococcus aureus</i> #	/100 mL	MEMBRANE FILTER TECHNIQUE (SM: PART 9213 B)	NOT DETECTED	1/	-
SAMPLE CONDITION					
WATER'S COLOUR/TURBID			COLOURLESS/CLEAR		
SEDIMENT			-		

# : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF MEDICAL SCIENCE (DMSC)  
\* : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

REGULATORY STANDARD : BANGKOK METROPOLITAN REGULATIONS FOR THE BUSINESS DISTRIEMENTAL TO HEALTH, B.E. 2530 (1987).

1/ : DISEASE-CAUSING BACTERIA IS NOT DETECTED.

[REDACTED SIGNATURE]

LABORATORY SUPERVISOR

OCTOBER 31, 2023



## ANALYSIS REPORT

**PROJECT NAME** : การตรวจวัดคุณภาพสิ่งแวดล้อม และการตรวจสอบการปฏิบัติตามมาตรการป้องกันและแก้ไขผลกระทบสิ่งแวดล้อม  
โครงการ GRANDE CENTRE POINT HOTEL SUKHUMVIT 55 ประจำปี 2566  
**CUSTOMER NAME** : L&H HOTEL MANAGEMENT COMPANY LIMITED  
**ADDRESS** : 300 SUKHUMVIT 55 (THONGLOR) KHLONG TAN NUEA WATTHANA BANGKOK 10110  
**CONTACT INFORMATION** : TEL : 0 2020 8080, 08 7083 4737 e-mail : boonkhum.b@gcphotels.com  
**SAMPLING SOURCE** : GRANDE CENTRE POINT HOTEL SUKHUMVIT 55  
**SAMPLE TYPE** : WATER SAMPLE FROM SWIMMING POOL  
**SAMPLING DATE** : OCTOBER 18, 2023  
**SAMPLING TIME** : 11:05 HOUR  
**SAMPLING METHOD °** : GRAB AND STERILE TECHNIQUE  
**SAMPLING BY °** : XXXXXXXXXX  
**ANALYZED BY** : XXXXXXXXXX

**RECEIVED DATE** : OCTOBER 18, 2023  
**ANALYTICAL DATE** : OCTOBER 18-24, 2023  
**REPORT NO.** : 2023-U091698  
**WORK NO.** : 2022-008320  
**ANALYSIS NO.** : T23AU669-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (DEEP ZONE) T23AU669-0001		
MICROBIOLOGY					
COLIFORM BACTERIA <sup>b</sup>	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B)	< 1.1	< 10	1.1
<i>E. coli</i> <sup>b</sup>	/100 mL	FLUOROGENIC SUBSTRATE TEST (SM: PART 9221 D AND F)	NOT DETECTED	NOT DETECTED	-
<i>Pseudomonas aeruginosa</i> <sup>c</sup>	/100 mL	MEMBRANE FILTER TECHNIQUE (ISO 16266)	NOT DETECTED	1/	-
SAMPLE CONDITION WATER'S COLOUR/TURBID SEDIMENT			COLOURLESS/CLEAR -		

<sup>a</sup> : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

<sup>b</sup> : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

<sup>c</sup> : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

REGULATORY STANDARD : BANGKOK METROPOLITAN REGULATIONS FOR THE BUSINESS DISTRICTIONAL TO HEALTH, B.E. 2530 (1987).

1/ : DISEASE-CAUSING BACTERIA IS NOT DETECTED.

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LABORATORY SUPERVISOR

OCTOBER 31, 2023





## ANALYSIS REPORT

**PROJECT NAME** : การตรวจวัดคุณภาพสิ่งแวดล้อม และการตรวจสอบการปฏิบัติตามมาตรฐานการป้องกันและแก้ไขผลกระทบสิ่งแวดล้อม  
**CUSTOMER NAME** : โครงการ GRANDE CENTRE POINT HOTEL SUKHUMVIT 55 ประจำปี 2566  
**ADDRESS** : L&H HOTEL MANAGEMENT COMPANY LIMITED  
**CONTACT INFORMATION** : 300 SUKHUMVIT 55 (THONGLOR) KHLONG TAN NUEA WATTHANA BANGKOK 10110  
**SAMPLING SOURCE** : TEL : 0 2020 8080, 08 7083 4737 e-mail : boonkhum.b@gcphotels.com  
**SAMPLE TYPE** : GRANDE CENTRE POINT HOTEL SUKHUMVIT 55  
**SAMPLING DATE** : WATER SAMPLE FROM SWIMMING POOL  
**SAMPLING TIME** : OCTOBER 18, 2023  
**SAMPLING METHOD \*** : 11:05 HOUR  
**SAMPLING BY \*** : GRAB AND STERILE TECHNIQUE  
**ANALYZED BY** : [REDACTED]

**RECEIVED DATE** : OCTOBER 18, 2023  
**ANALYTICAL DATE** : OCTOBER 18-21, 2023  
**REPORT NO.** : 2023-U091700  
**WORK NO.** : 2022-008320  
**ANALYSIS NO.** : T23AU669-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (DEEP ZONE) T23AU669-0001		
MICROBIOLOGY					
Staphylococcus aureus #	/100 mL	MEMBRANE FILTER TECHNIQUE (SM: PART 9213 B)	NOT DETECTED	1/	-
SAMPLE CONDITION					
WATER'S COLOUR/TURBID SEDIMENT			COLOURLESS/CLEAR -		

# : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF MEDICAL SCIENCE (DMSC)  
\* : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED



SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.  
REGULATORY STANDARD : BANGKOK METROPOLITAN REGULATIONS FOR THE BUSINESS DISTRIEMENTAL TO HEALTH, B.E. 2530 (1987).  
1/ : DISEASE-CAUSING BACTERIA IS NOT DETECTED.

... [REDACTED] ...  
LABORATORY SUPERVISOR

OCTOBER 31, 2023



## ANALYSIS REPORT

**PROJECT NAME** : การตรวจวัดคุณภาพสิ่งแวดล้อม และการตรวจสอบการปฏิบัติตามมาตรการป้องกันและแก้ไขผลกระทบสิ่งแวดล้อม  
โครงการ GRANDE CENTRE POINT HOTEL SUKHUMVIT 55 ประจำปี 2566  
**CUSTOMER NAME** : L&H HOTEL MANAGEMENT COMPANY LIMITED  
**ADDRESS** : 300 SUKHUMVIT 55 (THONGLOR) KHLONG TAN NUEA WATTHANA BANGKOK 10110  
**CONTACT INFORMATION** : TEL : 0 2020 8080, 08 7083 4737 e-mail : boonkhum.b@gcphotels.com  
**SAMPLING SOURCE** : GRANDE CENTRE POINT HOTEL SUKHUMVIT 55  
**SAMPLE TYPE** : WATER SAMPLE FROM SWIMMING POOL  
**SAMPLING DATE** : OCTOBER 25, 2023  
**SAMPLING TIME** : 13:05 HOUR  
**SAMPLING METHOD °** : GRAB, GRAB AND STERILE TECHNIQUE  
**SAMPLING BY °** :   
**ANALYZED BY** :   
**RECEIVED DATE** : OCTOBER 25, 2023  
**ANALYTICAL DATE** : OCTOBER 25 - NOVEMBER 1, 2023  
**REPORT NO.** : 2023-U095295  
**WORK NO.** : 2022-008320  
**ANALYSIS NO.** : T23AV186-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (SHALLOW ZONE) T23AV186-0002		
TOTAL DISSOLVED SOLIDS °	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: PART 2540 C)	4,360	-	25
MICROBIOLOGY					
COLIFORM BACTERIA °	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B)	< 1.1	< 10	1.1
<i>E. coli</i> °	/100 mL	FLUOROGENIC SUBSTRATE TEST (SM: PART 9221 D AND F)	NOT DETECTED	NOT DETECTED	-
<i>Pseudomonas aeruginosa</i> °	/100 mL	MEMBRANE FILTER TECHNIQUE (ISO 16266)	NOT DETECTED	1/	-
<b>SAMPLE CONDITION</b> WATER'S COLOUR/TURBID SEDIMENT			COLOURLESS/CLEAR -		

° : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

° : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

° : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

REGULATORY STANDARD : BANGKOK METROPOLITAN REGULATIONS FOR THE BUSINESS DISTRICTIONAL TO HEALTH, B.E. 2530 (1987).

1/ : DISEASE-CAUSING BACTERIA IS NOT DETECTED.

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LABORATORY SUPERVISOR

NOVEMBER 8, 2023



## ANALYSIS REPORT

**PROJECT NAME** : การตรวจวัดคุณภาพสิ่งแวดล้อม และการตรวจสอบการปฏิบัติตามมาตรฐานการป้องกันและแก้ไขผลกระทบสิ่งแวดล้อม  
โครงการ GRANDE CENTRE POINT HOTEL SUKHUMVIT 55 ประจำปี 2566  
**CUSTOMER NAME** : L&H HOTEL MANAGEMENT COMPANY LIMITED  
**ADDRESS** : 300 SUKHUMVIT 55 (THONGLOR) KHLONG TAN NUEA WATTHANA BANGKOK 10110  
**CONTACT INFORMATION** : TEL : 0 2020 8080, 08 7083 4737 e-mail : boonkhum.b@gcphotels.com  
**SAMPLING SOURCE** : GRANDE CENTRE POINT HOTEL SUKHUMVIT 55  
**SAMPLE TYPE** : WATER SAMPLE FROM SWIMMING POOL  
**SAMPLING DATE** : OCTOBER 25, 2023  
**SAMPLING TIME** : 13:05 HOUR  
**SAMPLING METHOD \*** : GRAB AND STERILE TECHNIQUE  
**SAMPLING BY \*** : [REDACTED]  
**ANALYZED BY** : [REDACTED]

**RECEIVED DATE** : OCTOBER 25, 2023  
**ANALYTICAL DATE** : OCTOBER 25 - NOVEMBER 1, 2023  
**REPORT NO.** : 2023-U095297  
**WORK NO.** : 2022-008320  
**ANALYSIS NO.** : T23AV186-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (SHALLOW ZONE) T23AV186-0002		
MICROBIOLOGY					
<i>Staphylococcus aureus</i> #	/100 mL	MEMBRANE FILTER TECHNIQUE (SM: PART 9213 B)	NOT DETECTED	1/	-
SAMPLE CONDITION WATER'S COLOUR/TURBID SEDIMENT			COLOURLESS/CLEAR -		

# : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF MEDICAL SCIENCE (DMSC)

\* : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

REGULATORY STANDARD : BANGKOK METROPOLITAN REGULATIONS FOR THE BUSINESS DISTRIEMENTAL TO HEALTH, B.E. 2530 (1987).

1/ : DISEASE-CAUSING BACTERIA IS NOT DETECTED.

[REDACTED SIGNATURE]

LABORATORY SUPERVISOR

NOVEMBER 8, 2023



## ANALYSIS REPORT

**PROJECT NAME** : การตรวจวัดคุณภาพสิ่งแวดล้อม และการตรวจสอบการปฏิบัติตามมาตรฐานการป้องกันและแก้ไขผลกระทบสิ่งแวดล้อม  
โครงการ GRANDE CENTRE POINT HOTEL SUKHUMVIT 55 ประจำปี 2566

**CUSTOMER NAME** : L&H HOTEL MANAGEMENT COMPANY LIMITED

**ADDRESS** : 300 SUKHUMVIT 55 (THONGLOR) KHLONG TAN NUEA WATTHANA BANGKOK 10110

**CONTACT INFORMATION** : TEL : 0 2020 8080, 08 7083 4737 e-mail : boonkhum.b@gcphotels.com

**SAMPLING SOURCE** : GRANDE CENTRE POINT HOTEL SUKHUMVIT 55

**SAMPLE TYPE** : WATER SAMPLE FROM SWIMMING POOL

**SAMPLING DATE** : OCTOBER 25, 2023

**SAMPLING TIME** : 12:50 HOUR

**SAMPLING METHOD <sup>a</sup>** : GRAB AND STERILE TECHNIQUE

**SAMPLING BY <sup>c</sup>** : [REDACTED]

**ANALYZED BY** : [REDACTED]

**RECEIVED DATE** : OCTOBER 25, 2023

**ANALYTICAL DATE** : OCTOBER 25 - NOVEMBER 1, 2023

**REPORT NO.** : 2023-U095293

**WORK NO.** : 2022-008320

**ANALYSIS NO.** : T23AV186-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (DEEP ZONE) T23AV186-0001		
MICROBIOLOGY					
COLIFORM BACTERIA <sup>b</sup>	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B)	< 1.1	< 10	1.1
<i>E. coli</i> <sup>b</sup>	/100 mL	FLUOROGENIC SUBSTRATE TEST (SM: PART 9221 D AND F)	NOT DETECTED	NOT DETECTED	-
<i>Pseudomonas aeruginosa</i> <sup>c</sup>	/100 mL	MEMBRANE FILTER TECHNIQUE (ISO 16266)	NOT DETECTED	1/	-
SAMPLE CONDITION					
WATER'S COLOUR/TURBID SEDIMENT			COLOURLESS/CLEAR		

<sup>a</sup> : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

<sup>b</sup> : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

<sup>c</sup> : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

REGULATORY STANDARD : BANGKOK METROPOLITAN REGULATIONS FOR THE BUSINESS DISTRIEMENTAL TO HEALTH, B.E. 2530 (1987).

1/ : DISEASE-CAUSING BACTERIA IS NOT DETECTED.

[REDACTED SIGNATURE]

LABORATORY SUPERVISOR

NOVEMBER 8, 2023



## ANALYSIS REPORT

**PROJECT NAME** : การตรวจวัดคุณภาพสิ่งแวดล้อม และการตรวจสอบการปฏิบัติตามมาตรการป้องกันและแก้ไขผลกระทบสิ่งแวดล้อม  
โครงการ GRANDE CENTRE POINT HOTEL SUKHUMVIT 55 ประจำปี 2566  
**CUSTOMER NAME** : L&H HOTEL MANAGEMENT COMPANY LIMITED  
**ADDRESS** : 300 SUKHUMVIT 55 (THONGLOR) KHLONG TAN NUEA WATTHANA BANGKOK 10110  
**CONTACT INFORMATION** : TEL : 0 2020 8080, 08 7083 4737 e-mail : boonkhum.b@gcphotels.com  
**SAMPLING SOURCE** : GRANDE CENTRE POINT HOTEL SUKHUMVIT 55  
**SAMPLE TYPE** : WATER SAMPLE FROM SWIMMING POOL  
**SAMPLING DATE** : OCTOBER 25, 2023  
**SAMPLING TIME** : 12:50 HOUR  
**SAMPLING METHOD \*** : GRAB AND STERILE TECHNIQUE  
**SAMPLING BY \*** : [REDACTED]  
**ANALYZED BY** : [REDACTED]

**RECEIVED DATE** : OCTOBER 25, 2023  
**ANALYTICAL DATE** : OCTOBER 25 - NOVEMBER 1, 2023  
**REPORT NO.** : 2023-U095294  
**WORK NO.** : 2022-008320  
**ANALYSIS NO.** : T23AV186-0001

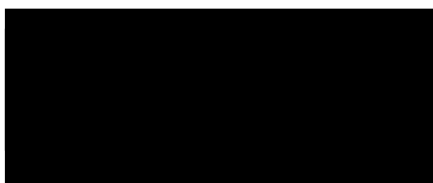
PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (DEEP ZONE) T23AV186-0001		
MICROBIOLOGY					
<i>Staphylococcus aureus</i> #	/100 mL	MEMBRANE FILTER TECHNIQUE (SM: PART 9213 B)	NOT DETECTED	1/	-
SAMPLE CONDITION					
WATER'S COLOUR/TURBID SEDIMENT			COLOURLESS/CLEAR -		

# : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF MEDICAL SCIENCE (DMSC)  
\* : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

REGULATORY STANDARD : BANGKOK METROPOLITAN REGULATIONS FOR THE BUSINESS DISTRIEMENTAL TO HEALTH, B.E. 2530 (1987).

1/ : DISEASE-CAUSING BACTERIA IS NOT DETECTED.



LABORATORY SUPERVISOR

NOVEMBER 8, 2023



## ANALYSIS REPORT

**PROJECT NAME** : การตรวจวัดคุณภาพสิ่งแวดล้อม และการตรวจสอบการปฏิบัติตามมาตรฐานการป้องกันและแก้ไขผลกระทบสิ่งแวดล้อม  
โครงการ GRANDE CENTRE POINT HOTEL SUKHUMVIT 55 ประจำปี 2566

**CUSTOMER NAME** : L&H HOTEL MANAGEMENT COMPANY LIMITED

**ADDRESS** : 300 SUKHUMVIT 55 (THONGLOR) KHLONG TAN NUEA WATTHANA BANGKOK 10110

**CONTACT INFORMATION** : TEL : 0 2020 8080, 08 7083 4737 e-mail : boonkhum.b@gcphotels.com

**SAMPLING SOURCE** : GRANDE CENTRE POINT HOTEL SUKHUMVIT 55

**SAMPLE TYPE** : WATER SAMPLE FROM SWIMMING POOL

**SAMPLING DATE** : NOVEMBER 1, 2023

**SAMPLING TIME** : 11:15 HOUR

**SAMPLING METHOD <sup>c</sup>** : GRAB, GRAB AND STERILE TECHNIQUE

**SAMPLING BY <sup>c</sup>** : [REDACTED]

**ANALYZED BY** : [REDACTED]

**RECEIVED DATE** : NOVEMBER 1, 2023

**ANALYTICAL DATE** : NOVEMBER 1-8, 2023

**REPORT NO.** : 2023-U096390

**WORK NO.** : 2022-008320

**ANALYSIS NO.** : T23AV716-0005

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (SHALLOW ZONE) T23AV716-0005		
TOTAL DISSOLVED SOLIDS <sup>c</sup>	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: PART 2540 C)	3,837	-	25
MICROBIOLOGY					
COLIFORM BACTERIA <sup>b</sup>	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B)	< 1.1	< 10	1.1
<i>E. coli</i> <sup>b</sup>	/100 mL	FLUOROGENIC SUBSTRATE TEST (SM: PART 9221 D AND F)	NOT DETECTED	NOT DETECTED	-
<i>Pseudomonas aeruginosa</i> <sup>c</sup>	/100 mL	MEMBRANE FILTER TECHNIQUE (ISO 16266)	DETECTED	1/	-
<b>SAMPLE CONDITION</b> WATER'S COLOUR/TURBID SEDIMENT			COLOURLESS/CLEAR		

<sup>a</sup> : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

<sup>b</sup> : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

<sup>c</sup> : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

REGULATORY STANDARD : BANGKOK METROPOLITAN REGULATIONS FOR THE BUSINESS DISTRIEMENTAL TO HEALTH, B.E. 2530 (1987).

1/ : DISEASE-CAUSING BACTERIA IS NOT DETECTED.

[REDACTED SIGNATURE]

LABORATORY SUPERVISOR

NOVEMBER 10, 2023





## ANALYSIS REPORT

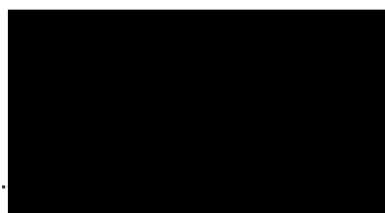
**PROJECT NAME** : การตรวจวัดคุณภาพสิ่งแวดล้อม และการตรวจสอบการปฏิบัติตามมาตรฐานการป้องกันและแก้ไขผลกระทบสิ่งแวดล้อม  
โครงการ GRANDE CENTRE POINT HOTEL SUKHUMVIT 55 ประจำปี 2566  
**CUSTOMER NAME** : L&H HOTEL MANAGEMENT COMPANY LIMITED  
**ADDRESS** : 300 SUKHUMVIT 55 (THONGLOR) KHLONG TAN NUEA WATTHANA BANGKOK 10110  
**CONTACT INFORMATION** : TEL : 0 2020 8080, 08 7083 4737 e-mail : boonkhum.b@gcphotels.com  
**SAMPLING SOURCE** : GRANDE CENTRE POINT HOTEL SUKHUMVIT 55  
**SAMPLE TYPE** : WATER SAMPLE FROM SWIMMING POOL  
**SAMPLING DATE** : NOVEMBER 1, 2023  
**SAMPLING TIME** : 11:15 HOUR  
**SAMPLING METHOD \*** : GRAB AND STERILE TECHNIQUE  
**SAMPLING BY \*** : N [REDACTED]  
**ANALYZED BY** : N [REDACTED]

**RECEIVED DATE** : NOVEMBER 1, 2023  
**ANALYTICAL DATE** : NOVEMBER 1-8, 2023  
**REPORT NO.** : 2023-U096391  
**WORK NO.** : 2022-008320  
**ANALYSIS NO.** : T23AV716-0005

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (SHALLOW ZONE) T23AV716-0005		
MICROBIOLOGY					
<i>Staphylococcus aureus</i> #	/100 mL	MEMBRANE FILTER TECHNIQUE (SM: PART 9213 B)	NOT DETECTED	1/	-
SAMPLE CONDITION					
WATER'S COLOUR/TURBID			COLOURLESS/CLEAR		
SEDIMENT			-		

# : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF MEDICAL SCIENCE (DMSC)  
\* : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.  
REGULATORY STANDARD : BANGKOK METROPOLITAN REGULATIONS FOR THE BUSINESS DISTRIMENTAL TO HEALTH, B.E. 2530 (1987).  
1/ : DISEASE-CAUSING BACTERIA IS NOT DETECTED.





LABORATORY SUPERVISOR

NOVEMBER 10, 2023



## ANALYSIS REPORT

**PROJECT NAME** : การตรวจวัดคุณภาพสิ่งแวดล้อม และการตรวจสอบการปฏิบัติตามมาตรฐานการป้องกันและแก้ไขผลกระทบสิ่งแวดล้อม  
โครงการ GRANDE CENTRE POINT HOTEL SUKHUMVIT 55 ประจำปี 2566  
**CUSTOMER NAME** : L&H HOTEL MANAGEMENT COMPANY LIMITED  
**ADDRESS** : 300 SUKHUMVIT 55 (THONGLOR) KHLONG TAN NUEA WATTHANA BANGKOK 10110  
**CONTACT INFORMATION** : TEL : 0 2020 8080, 08 7083 4737 e-mail : boonkhum.b@gcphotels.com  
**SAMPLING SOURCE** : GRANDE CENTRE POINT HOTEL SUKHUMVIT 55  
**SAMPLE TYPE** : WATER SAMPLE FROM SWIMMING POOL  
**SAMPLING DATE** : NOVEMBER 1, 2023  
**SAMPLING TIME** : 11:10 HOUR  
**SAMPLING METHOD <sup>c</sup>** : GRAB AND STERILE TECHNIQUE  
**SAMPLING BY <sup>c</sup>** :   
**ANALYZED BY** : 

**RECEIVED DATE** : NOVEMBER 1, 2023  
**ANALYTICAL DATE** : NOVEMBER 1-8, 2023  
**REPORT NO.** : 2023-U096388  
**WORK NO.** : 2022-008320  
**ANALYSIS NO.** : T23AV716-0004

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (DEEP ZONE) T23AV716-0004		
MICROBIOLOGY					
COLIFORM BACTERIA <sup>b</sup>	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B)	< 1.1	< 10	1.1
<i>E. coli</i> <sup>b</sup>	/100 mL	FLUOROGENIC SUBSTRATE TEST (SM: PART 9221 D AND F)	NOT DETECTED	NOT DETECTED	-
<i>Pseudomonas aeruginosa</i> <sup>c</sup>	/100 mL	MEMBRANE FILTER TECHNIQUE (ISO 16266)	NOT DETECTED	1/	-
SAMPLE CONDITION					
WATER'S COLOUR/TURBID SEDIMENT			COLOURLESS/CLEAR		

<sup>a</sup> : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

<sup>b</sup> : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

<sup>c</sup> : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

REGULATORY STANDARD : BANGKOK METROPOLITAN REGULATIONS FOR THE BUSINESS DISTURBANTIAL TO HEALTH, B.E. 2530 (1987).

1/ : DISEASE-CAUSING BACTERIA IS NOT DETECTED.


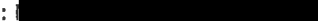


LABORATORY SUPERVISOR

NOVEMBER 10, 2023



## ANALYSIS REPORT

**PROJECT NAME** : การตรวจวัดคุณภาพสิ่งแวดล้อม และการตรวจสอบการปฏิบัติตามมาตรฐานการป้องกันและแก้ไขผลกระทบสิ่งแวดล้อม  
โครงการ GRANDE CENTRE POINT HOTEL SUKHUMVIT 55 ประจำปี 2566  
**CUSTOMER NAME** : L&H HOTEL MANAGEMENT COMPANY LIMITED  
**ADDRESS** : 300 SUKHUMVIT 55 (THONGLOR) KHLONG TAN NUEA WATTHANA BANGKOK 10110  
**CONTACT INFORMATION** : TEL : 0 2020 8080, 08 7083 4737 e-mail : boonkhum.b@gcphotels.com  
**SAMPLING SOURCE** : GRANDE CENTRE POINT HOTEL SUKHUMVIT 55  
**SAMPLE TYPE** : WATER SAMPLE FROM SWIMMING POOL  
**SAMPLING DATE** : NOVEMBER 1, 2023  
**SAMPLING TIME** : 11:10 HOUR  
**SAMPLING METHOD \*** : GRAB AND STERILE TECHNIQUE  
**SAMPLING BY \*** :   
**ANALYZED BY** :   
**RECEIVED DATE** : NOVEMBER 1, 2023  
**ANALYTICAL DATE** : NOVEMBER 1-8, 2023  
**REPORT NO.** : 2023-U096389  
**WORK NO.** : 2022-008320  
**ANALYSIS NO.** : T23AV716-0004

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (DEEP ZONE) T23AV716-0004		
MICROBIOLOGY					
<i>Staphylococcus aureus</i> #	/100 mL	MEMBRANE FILTER TECHNIQUE (SM: PART 9213 B)	NOT DETECTED	1/	-
SAMPLE CONDITION					
WATER'S COLOUR/TURBID SEDIMENT			COLOURLESS/CLEAR -		

# : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF MEDICAL SCIENCE (DMSC)  
\* : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.  
REGULATORY STANDARD : BANGKOK METROPOLITAN REGULATIONS FOR THE BUSINESS DISTRIEMENTAL TO HEALTH, B.E. 2530 (1987).  
1/ : DISEASE-CAUSING BACTERIA IS NOT DETECTED.



LABORATORY SUPERVISOR

NOVEMBER 10, 2023



## ANALYSIS REPORT

**PROJECT NAME** : การตรวจวัดคุณภาพสิ่งแวดล้อม และการตรวจสอบการปฏิบัติตามมาตรการป้องกันและแก้ไขผลกระทบสิ่งแวดล้อม  
โครงการ GRANDE CENTRE POINT HOTEL SUKHUMVIT 55 ประจำปี 2566

**CUSTOMER NAME** : L&H HOTEL MANAGEMENT COMPANY LIMITED

**ADDRESS** : 300 SUKHUMVIT 55 (THONGLOR) KHLONG TAN NUEA WATTHANA BANGKOK 10110

**CONTACT INFORMATION** : TEL : 0 2020 8080, 08 7083 4737 e-mail : boonkhum.b@gcphotels.com

**SAMPLING SOURCE** : GRANDE CENTRE POINT HOTEL SUKHUMVIT 55

**SAMPLE TYPE** : WATER SAMPLE FROM SWIMMING POOL

**SAMPLING DATE** : NOVEMBER 8, 2023

**SAMPLING TIME** : 11:40 HOUR

**SAMPLING METHOD <sup>c</sup>** : GRAB, GRAB AND STERILE TECHNIQUE

**SAMPLING BY <sup>c</sup>** : [REDACTED]

**ANALYZED BY** : [REDACTED]

**RECEIVED DATE** : NOVEMBER 8, 2023

**ANALYTICAL DATE** : NOVEMBER 8-14, 2023

**REPORT NO.** : 2023-U099843

**WORK NO.** : 2022-008320

**ANALYSIS NO.** : T23AW263-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (SHALLOW ZONE) T23AW263-0002		
TOTAL DISSOLVED SOLIDS <sup>c</sup>	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: PART 2540 C)	4,325	-	25
MICROBIOLOGY					
COLIFORM BACTERIA <sup>b</sup>	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B)	>23	< 10	1.1
<i>E. coli</i> <sup>b</sup>	/100 mL	FLUOROGENIC SUBSTRATE TEST (SM: PART 9221 D AND F)	DETECTED	NOT DETECTED	-
<i>Pseudomonas aeruginosa</i> <sup>c</sup>	/100 mL	MEMBRANE FILTER TECHNIQUE (ISO 16266)	DETECTED	1/	-
<b>SAMPLE CONDITION</b> WATER'S COLOUR/TURBID SEDIMENT			COLOURLESS/CLEAR -		

<sup>a</sup> : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

<sup>b</sup> : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

<sup>c</sup> : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

REGULATORY STANDARD : BANGKOK METROPOLITAN REGULATIONS FOR THE BUSINESS DISTRICTIONAL TO HEALTH, B.E. 2530 (1987).

1/ : DISEASE-CAUSING BACTERIA IS NOT DETECTED.

LABORATORY SUPERVISOR

NOVEMBER 23, 2023



## ANALYSIS REPORT

**PROJECT NAME** : การตรวจวัดคุณภาพสิ่งแวดล้อม และการตรวจสอบการปฏิบัติตามมาตรฐานการป้องกันและแก้ไขผลกระทบสิ่งแวดล้อม  
โครงการ GRANDE CENTRE POINT HOTEL SUKHUMVIT 55 ประจำปี 2566

**CUSTOMER NAME** : L&H HOTEL MANAGEMENT COMPANY LIMITED

**ADDRESS** : 300 SUKHUMVIT 55 (THONGLOR) KHLONG TAN NUEA WATTHANA BANGKOK 10110

**CONTACT INFORMATION** : TEL : 0 2020 8080, 08 7083 4737 e-mail : boonkhum.b@gcphotels.com

**SAMPLING SOURCE** : GRANDE CENTRE POINT HOTEL SUKHUMVIT 55

**SAMPLE TYPE** : WATER SAMPLE FROM SWIMMING POOL

**SAMPLING DATE** : NOVEMBER 8, 2023

**SAMPLING TIME** : 11:40 HOUR

**SAMPLING METHOD \*** : GRAB AND STERILE TECHNIQUE

**SAMPLING BY \*** : [REDACTED]

**ANALYZED BY** : [REDACTED]

**RECEIVED DATE** : NOVEMBER 8, 2023

**ANALYTICAL DATE** : NOVEMBER 8-14, 2023

**REPORT NO.** : 2023-U099846

**WORK NO.** : 2022-008320

**ANALYSIS NO.** : T23AW263-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (SHALLOW ZONE) T23AW263-0002		
MICROBIOLOGY					
<i>Staphylococcus aureus</i> #	/100 mL	MEMBRANE FILTER TECHNIQUE (SM: PART 9213 B)	NOT DETECTED	1/	-
SAMPLE CONDITION					
WATER'S COLOUR/TURBID SEDIMENT			COLOURLESS/CLEAR		

# : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF MEDICAL SCIENCE (DMSC)  
\* : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.  
REGULATORY STANDARD : BANGKOK METROPOLITAN REGULATIONS FOR THE BUSINESS DISTRIMENTAL TO HEALTH, B.E. 2530 (1987).  
1/ : DISEASE-CAUSING BACTERIA IS NOT DETECTED.

LABORATORY SUPERVISOR

NOVEMBER 23, 2023





## ANALYSIS REPORT

**PROJECT NAME** : การตรวจวัดคุณภาพสิ่งแวดล้อม และการตรวจสอบการปฏิบัติตามมาตรฐานการป้องกันและแก้ไขผลกระทบสิ่งแวดล้อม  
โครงการ GRANDE CENTRE POINT HOTEL SUKHUMVIT 55 ประจำปี 2566

**CUSTOMER NAME** : L&H HOTEL MANAGEMENT COMPANY LIMITED

**ADDRESS** : 300 SUKHUMVIT 55 (THONGLOR) KHLONG TAN NUEA WATTHANA BANGKOK 10110

**CONTACT INFORMATION** : TEL : 0 2020 8080, 08 7083 4737 e-mail : boonkhum.b@gcphotels.com

**SAMPLING SOURCE** : GRANDE CENTRE POINT HOTEL SUKHUMVIT 55

**SAMPLE TYPE** : WATER SAMPLE FROM SWIMMING POOL

**SAMPLING DATE** : NOVEMBER 8, 2023

**SAMPLING TIME** : 11:35 HOUR

**SAMPLING METHOD <sup>c</sup>** : GRAB AND STERILE TECHNIQUE

**SAMPLING BY <sup>c</sup>** : [REDACTED]

**ANALYZED BY** : [REDACTED]

**RECEIVED DATE** : NOVEMBER 8, 2023

**ANALYTICAL DATE** : NOVEMBER 8-14, 2023

**REPORT NO.** : 2023-U099840

**WORK NO.** : 2022-008320

**ANALYSIS NO.** : T23AW263-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (DEEP ZONE) T23AW263-0001		
MICROBIOLOGY					
COLIFORM BACTERIA <sup>b</sup>	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221B)	>23	< 10	1.1
<i>E. coli</i> <sup>b</sup>	/100 mL	FLUOROGENIC SUBSTRATE TEST (SM: PART 9221 D AND F)	DETECTED	NOT DETECTED	-
<i>Pseudomonas aeruginosa</i> <sup>c</sup>	/100 mL	MEMBRANE FILTER TECHNIQUE (ISO 16266)	DETECTED	1/	-
SAMPLE CONDITION					
WATER'S COLOUR/TURBID SEDIMENT			COLOURLESS/CLEAR -		

<sup>a</sup> : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

<sup>b</sup> : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

<sup>c</sup> : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

REGULATORY STANDARD : BANGKOK METROPOLITAN REGULATIONS FOR THE BUSINESS DISTRIEMENTAL TO HEALTH, B.E. 2530 (1987).

1/ : DISEASE-CAUSING BACTERIA IS NOT DETECTED.

[REDACTED]

LABORATORY SUPERVISOR

NOVEMBER 23, 2023





## ANALYSIS REPORT

**PROJECT NAME** : การตรวจวัดคุณภาพสิ่งแวดล้อม และการตรวจสอบการปฏิบัติตามมาตรฐานการป้องกันและแก้ไขผลกระทบสิ่งแวดล้อม  
โครงการ GRANDE CENTRE POINT HOTEL SUKHUMVIT 55 ประจำปี 2566  
**CUSTOMER NAME** : L&H HOTEL MANAGEMENT COMPANY LIMITED  
**ADDRESS** : 300 SUKHUMVIT 55 (THONGLOR) KHLONG TAN NUEA WATTHANA BANGKOK 10110  
**CONTACT INFORMATION** : TEL : 0 2020 8080, 08 7083 4737 e-mail : boonkhum.b@gcphotels.com  
**SAMPLING SOURCE** : GRANDE CENTRE POINT HOTEL SUKHUMVIT 55  
**SAMPLE TYPE** : WATER SAMPLE FROM SWIMMING POOL  
**SAMPLING DATE** : NOVEMBER 8, 2023  
**SAMPLING TIME** : 11:35 HOUR  
**SAMPLING METHOD \*** : GRAB AND STERILE TECHNIQUE  
**SAMPLING BY \*** :   
**ANALYZED BY** :   
**RECEIVED DATE** : NOVEMBER 8, 2023  
**ANALYTICAL DATE** : NOVEMBER 8-14, 2023  
**REPORT NO.** : 2023-U099841  
**WORK NO.** : 2022-008320  
**ANALYSIS NO.** : T23AW263-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (DEEP ZONE) T23AW263-0001		
MICROBIOLOGY					
<i>Staphylococcus aureus</i> #	/100 mL	MEMBRANE FILTER TECHNIQUE (SM: PART 9213 B)	NOT DETECTED	1/	-
SAMPLE CONDITION					
WATER'S COLOUR/TURBID SEDIMENT			COLOURLESS/CLEAR		

# : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF MEDICAL SCIENCE (DMSC)  
\* : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED



SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.  
REGULATORY STANDARD : BANGKOK METROPOLITAN REGULATIONS FOR THE BUSINESS DISTRIMENTAL TO HEALTH, B.E. 2530 (1987).  
1/ : DISEASE-CAUSING BACTERIA IS NOT DETECTED.

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LABORATORY SUPERVISOR

NOVEMBER 23, 2023



## ANALYSIS REPORT

**PROJECT NAME** : การตรวจวัดคุณภาพสิ่งแวดล้อม และการตรวจสอบการปฏิบัติตามมาตรการป้องกันและแก้ไขผลกระทบสิ่งแวดล้อม  
โครงการ GRANDE CENTRE POINT HOTEL SUKHUMVIT 55 ประจำปี 2566  
**CUSTOMER NAME** : L&H HOTEL MANAGEMENT COMPANY LIMITED  
**ADDRESS** : 300 SUKHUMVIT 55 (THONGLOR) KHLONG TAN NUEA WATTHANA BANGKOK 10110  
**CONTACT INFORMATION** : TEL : 0 2020 8080, 08 7083 4737 e-mail : boonkhum.b@gcphotels.com  
**SAMPLING SOURCE** : GRANDE CENTRE POINT HOTEL SUKHUMVIT 55  
**SAMPLE TYPE** : WATER SAMPLE FROM SWIMMING POOL  
**SAMPLING DATE** : NOVEMBER 16, 2023  
**SAMPLING TIME** : 11:15 HOUR  
**SAMPLING METHOD °** : GRAB, GRAB AND STERILE TECHNIQUE  
**SAMPLING BY °** :   
**ANALYZED BY** : 

**RECEIVED DATE** : NOVEMBER 16, 2023  
**ANALYTICAL DATE** : NOVEMBER 16-21, 2023  
**REPORT NO.** : 2023-U101220  
**WORK NO.** : 2022-008320  
**ANALYSIS NO.** : T23AW935-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (SHALLOW ZONE) T23AW935-0002		
TOTAL DISSOLVED SOLIDS °	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: PART 2540 C)	4,560	-	25
MICROBIOLOGY					
COLIFORM BACTERIA °	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221B)	< 1.1	< 10	1.1
<i>E. coli</i> °	/100 mL	FLUOROGENIC SUBSTRATE TEST (SM: PART 9221D AND F)	NOT DETECTED	NOT DETECTED	-
<i>Pseudomonas aeruginosa</i> °	/100 mL	MEMBRANE FILTER TECHNIQUE (ISO 16266)	NOT DETECTED	1/	-
<b>SAMPLE CONDITION</b> WATER'S COLOUR/TURBID SEDIMENT			COLOURLESS/CLEAR -		

° : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

° : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

° : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

REGULATORY STANDARD : BANGKOK METROPOLITAN REGULATIONS FOR THE BUSINESS DISTRICTIONAL TO HEALTH, B.E. 2530 (1987).

1/ : DISEASE-CAUSING BACTERIA IS NOT DETECTED.





LABORATORY SUPERVISOR

NOVEMBER 27, 2023



## ANALYSIS REPORT

**PROJECT NAME** : การตรวจวัดคุณภาพสิ่งแวดล้อม และการตรวจสอบการปฏิบัติตามมาตรฐานการป้องกันและแก้ไขผลกระทบสิ่งแวดล้อม  
โครงการ GRANDE CENTRE POINT HOTEL SUKHUMVIT 55 ประจำปี 2566  
**CUSTOMER NAME** : L&H HOTEL MANAGEMENT COMPANY LIMITED  
**ADDRESS** : 300 SUKHUMVIT 55 (THONGLOR) KHLONG TAN NUEA WATTHANA BANGKOK 10110  
**CONTACT INFORMATION** : TEL : 0 2020 8080, 08 7083 4737 e-mail : boonkhum.b@gcphotels.com  
**SAMPLING SOURCE** : GRANDE CENTRE POINT HOTEL SUKHUMVIT 55  
**SAMPLE TYPE** : WATER SAMPLE FROM SWIMMING POOL  
**SAMPLING DATE** : NOVEMBER 16, 2023  
**SAMPLING TIME** : 11:15 HOUR  
**SAMPLING METHOD \*** : GRAB AND STERILE TECHNIQUE  
**SAMPLING BY \*** :   
**ANALYZED BY** : 

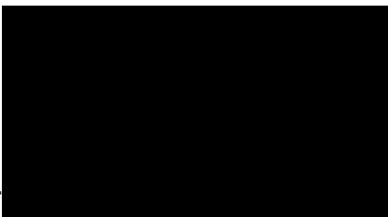
**RECEIVED DATE** : NOVEMBER 16, 2023  
**ANALYTICAL DATE** : NOVEMBER 16-19, 2023  
**REPORT NO.** : 2023-U101221  
**WORK NO.** : 2022-008320  
**ANALYSIS NO.** : T23AW935-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (SHALLOW ZONE) T23AW935-0002		
MICROBIOLOGY					
Staphylococcus aureus #	/100 mL	MEMBRANE FILTER TECHNIQUE (SM: PART 9213 B)	NOT DETECTED	1/	-
SAMPLE CONDITION WATER'S COLOUR/TURBID SEDIMENT			COLOURLESS/CLEAR -		

# : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF MEDICAL SCIENCE (DMSC)  
\* : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.  
REGULATORY STANDARD : BANGKOK METROPOLITAN REGULATIONS FOR THE BUSINESS DISTRIMENTAL TO HEALTH, B.E. 2530 (1987).  
1/ : DISEASE-CAUSING BACTERIA IS NOT DETECTED.

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LABORATORY SUPERVISOR

NOVEMBER 27, 2023



## ANALYSIS REPORT

**PROJECT NAME** : การตรวจวัดคุณภาพสิ่งแวดล้อม และการตรวจสอบการปฏิบัติตามมาตรฐานการป้องกันและแก้ไขผลกระทบสิ่งแวดล้อม  
โครงการ GRANDE CENTRE POINT HOTEL SUKHUMVIT 55 ประจำปี 2566  
**CUSTOMER NAME** : L&H HOTEL MANAGEMENT COMPANY LIMITED  
**ADDRESS** : 300 SUKHUMVIT 55 (THONGLOR) KHLONG TAN NUEA WATTHANA BANGKOK 10110  
**CONTACT INFORMATION** : TEL : 0 2020 8080, 08 7083 4737 e-mail : boonkhum.b@gcphotels.com  
**SAMPLING SOURCE** : GRANDE CENTRE POINT HOTEL SUKHUMVIT 55  
**SAMPLE TYPE** : WATER SAMPLE FROM SWIMMING POOL  
**SAMPLING DATE** : NOVEMBER 16, 2023  
**SAMPLING TIME** : 11:10 HOUR  
**SAMPLING METHOD °** : GRAB AND STERILE TECHNIQUE  
**SAMPLING BY °** :   
**ANALYZED BY** :   
**RECEIVED DATE** : NOVEMBER 16, 2023  
**ANALYTICAL DATE** : NOVEMBER 16-21, 2023  
**REPORT NO.** : 2023-U101218  
**WORK NO.** : 2022-008320  
**ANALYSIS NO.** : T23AW935-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (DEEP ZONE) T23AW935-0001		
MICROBIOLOGY					
COLIFORM BACTERIA <sup>b</sup>	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B)	< 1.1	< 10	1.1
<i>E. coli</i> <sup>b</sup>	/100 mL	FLUOROGENIC SUBSTRATE TEST (SM: PART 9221 D AND F)	NOT DETECTED	NOT DETECTED	-
<i>Pseudomonas aeruginosa</i> <sup>c</sup>	/100 mL	MEMBRANE FILTER TECHNIQUE (ISO 16266)	NOT DETECTED	1/	-
SAMPLE CONDITION WATER'S COLOUR/TURBID SEDIMENT			COLOURLESS/CLEAR -		

<sup>a</sup> : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

<sup>b</sup> : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

<sup>c</sup> : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

REGULATORY STANDARD : BANGKOK METROPOLITAN REGULATIONS FOR THE BUSINESS DISTRICTIONAL TO HEALTH, B.E. 2530 (1987).

1/ : DISEASE-CAUSING BACTERIA IS NOT DETECTED.

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[Signature]

LABORATORY SUPERVISOR

NOVEMBER 27, 2023







## ANALYSIS REPORT

**PROJECT NAME** : การตรวจวัดคุณภาพสิ่งแวดล้อม และการตรวจสอบการปฏิบัติตามมาตรการป้องกันและแก้ไขผลกระทบสิ่งแวดล้อม  
โครงการ GRANDE CENTRE POINT HOTEL SUKHUMVIT 55 ประจำปี 2566

**CUSTOMER NAME** : L&H HOTEL MANAGEMENT COMPANY LIMITED

**ADDRESS** : 300 SUKHUMVIT 55 (THONGLOR) KHLONG TAN NUEA WATTHANA BANGKOK 10110

**CONTACT INFORMATION** : TEL : 0 2020 8080, 08 7083 4737 e-mail : boonkhum.b@gcphotels.com

**SAMPLING SOURCE** : GRANDE CENTRE POINT HOTEL SUKHUMVIT 55

**SAMPLE TYPE** : WATER SAMPLE FROM SWIMMING POOL

**SAMPLING DATE** : NOVEMBER 23, 2023

**SAMPLING TIME** : 10:30 HOUR

**SAMPLING METHOD <sup>c</sup>** : GRAB, GRAB AND STERILE TECHNIQUE

**SAMPLING BY <sup>c</sup>** : N [REDACTED]

**ANALYZED BY** : N [REDACTED]

**RECEIVED DATE** : NOVEMBER 23, 2023

**ANALYTICAL DATE** : NOVEMBER 23-28, 2023

**REPORT NO.** : 2023-U103759

**WORK NO.** : 2022-008320

**ANALYSIS NO.** : T23AX476-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (SHALLOW ZONE) T23AX476-0002		
TOTAL DISSOLVED SOLIDS <sup>c</sup>	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: PART 2540 C)	4,180	-	25
MICROBIOLOGY					
COLIFORM BACTERIA <sup>b</sup>	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B)	< 1.1	< 10	1.1
<i>E. coli</i> <sup>b</sup>	/100 mL	FLUOROGENIC SUBSTRATE TEST (SM: PART 9221 D AND F)	NOT DETECTED	NOT DETECTED	-
<i>Pseudomonas aeruginosa</i> <sup>c</sup>	/100 mL	MEMBRANE FILTER TECHNIQUE (ISO 16266)	NOT DETECTED	1/	-
<b>SAMPLE CONDITION</b>					
WATER'S COLOUR/TURBID			COLOURLESS/CLEAR		
SEDIMENT			-		

<sup>a</sup> : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

<sup>b</sup> : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

<sup>c</sup> : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

REGULATORY STANDARD : BANGKOK METROPOLITAN REGULATIONS FOR THE BUSINESS DISTRIKTAL TO HEALTH, B.E. 2530 (1987).

1/ : DISEASE-CAUSING BACTERIA IS NOT DETECTED.

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[REDACTED SIGNATURE]

LABORATORY SUPERVISOR

NOVEMBER 30, 2023





## ANALYSIS REPORT

**PROJECT NAME** : การตรวจวัดคุณภาพสิ่งแวดล้อม และการตรวจสอบการปฏิบัติตามมาตรฐานการป้องกันและแก้ไขผลกระทบสิ่งแวดล้อม  
โครงการ GRANDE CENTRE POINT HOTEL SUKHUMVIT 55 ประจำปี 2566

**CUSTOMER NAME** : L&H HOTEL MANAGEMENT COMPANY LIMITED

**ADDRESS** : 300 SUKHUMVIT 55 (THONGLOR) KHLONG TAN NUEA WATTHANA BANGKOK 10110

**CONTACT INFORMATION** : TEL : 0 2020 8080, 08 7083 4737 e-mail : boonkhum.b@gcphotels.com

**SAMPLING SOURCE** : GRANDE CENTRE POINT HOTEL SUKHUMVIT 55

**SAMPLE TYPE** : WATER SAMPLE FROM SWIMMING POOL

**SAMPLING DATE** : NOVEMBER 23, 2023

**SAMPLING TIME** : 10:30 HOUR

**SAMPLING METHOD \*** : GRAB AND STERILE TECHNIQUE

**SAMPLING BY \*** : [REDACTED]

**ANALYZED BY** : [REDACTED]

**RECEIVED DATE** : NOVEMBER 23, 2023

**ANALYTICAL DATE** : NOVEMBER 23-26, 2023

**REPORT NO.** : 2023-U103760

**WORK NO.** : 2022-008320

**ANALYSIS NO.** : T23AX476-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (SHALLOW ZONE) T23AX476-0002		
MICROBIOLOGY					
<i>Staphylococcus aureus</i> #	/100 mL	MEMBRANE FILTER TECHNIQUE (SM: PART 9213 B)	NOT DETECTED	1/	-
SAMPLE CONDITION					
WATER'S COLOUR/TURBID SEDIMENT			COLOURLESS/CLEAR -		

# : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF MEDICAL SCIENCE (DMSC)

\* : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

REGULATORY STANDARD : BANGKOK METROPOLITAN REGULATIONS FOR THE BUSINESS DISTRIKTAL TO HEALTH, B.E. 2530 (1987).

1/ : DISEASE-CAUSING BACTERIA IS NOT DETECTED.



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[REDACTED SIGNATURE]

LABORATORY SUPERVISOR

NOVEMBER 30, 2023



## ANALYSIS REPORT

**PROJECT NAME** : การตรวจวัดคุณภาพสิ่งแวดล้อม และการตรวจสอบการปฏิบัติตามมาตรฐานการป้องกันและแก้ไขผลกระทบสิ่งแวดล้อม  
โครงการ GRANDE CENTRE POINT HOTEL SUKHUMVIT 55 ประจำปี 2566  
**CUSTOMER NAME** : L&H HOTEL MANAGEMENT COMPANY LIMITED  
**ADDRESS** : 300 SUKHUMVIT 55 (THONGLOR) KHLONG TAN NUEA WATTHANA BANGKOK 10110  
**CONTACT INFORMATION** : TEL : 0 2020 8080, 08 7083 4737 e-mail : boonkhum.b@gcphotels.com  
**SAMPLING SOURCE** : GRANDE CENTRE POINT HOTEL SUKHUMVIT 55  
**SAMPLE TYPE** : WATER SAMPLE FROM SWIMMING POOL  
**SAMPLING DATE** : NOVEMBER 23, 2023  
**SAMPLING TIME** : 10:20 HOUR  
**SAMPLING METHOD <sup>c</sup>** : GRAB AND STERILE TECHNIQUE  
**SAMPLING BY <sup>c</sup>** :   
**ANALYZED BY** : 

**RECEIVED DATE** : NOVEMBER 23, 2023  
**ANALYTICAL DATE** : NOVEMBER 23-27, 2023  
**REPORT NO.** : 2023-U103756  
**WORK NO.** : 2022-008320  
**ANALYSIS NO.** : T23AX476-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (DEEP ZONE) T23AX476-0001		
MICROBIOLOGY					
COLIFORM BACTERIA <sup>b</sup>	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B)	< 1.1	< 10	1.1
<i>E. coli</i> <sup>b</sup>	/100 mL	FLUOROGENIC SUBSTRATE TEST (SM: PART 9221 D AND F)	NOT DETECTED	NOT DETECTED	-
<i>Pseudomonas aeruginosa</i> <sup>c</sup>	/100 mL	MEMBRANE FILTER TECHNIQUE (ISO 16266)	DETECTED	1/	-
SAMPLE CONDITION					
WATER'S COLOUR/TURBID			COLOURLESS/CLEAR		
SEDIMENT			-		

<sup>a</sup> : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

<sup>b</sup> : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

<sup>c</sup> : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

REGULATORY STANDARD : BANGKOK METROPOLITAN REGULATIONS FOR THE BUSINESS DISTRIKTAL TO HEALTH, B.E. 2530 (1987).

1/ DISEASE-CAUSING BACTERIA IS NOT DETECTED.

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LABORATORY SUPERVISOR

NOVEMBER 30, 2023



## ANALYSIS REPORT

**PROJECT NAME** : การตรวจวัดคุณภาพสิ่งแวดล้อม และการตรวจสอบการปฏิบัติตามมาตรฐานการป้องกันและแก้ไขผลกระทบสิ่งแวดล้อม  
โครงการ GRANDE CENTRE POINT HOTEL SUKHUMVIT 55 ประจำปี 2566

**CUSTOMER NAME** : L&H HOTEL MANAGEMENT COMPANY LIMITED

**ADDRESS** : 300 SUKHUMVIT 55 (THONGLOR) KHLONG TAN NUEA WATTHANA BANGKOK 10110

**CONTACT INFORMATION** : TEL : 0 2020 8080, 08 7083 4737 e-mail : boonkhum.b@gcphotels.com

**SAMPLING SOURCE** : GRANDE CENTRE POINT HOTEL SUKHUMVIT 55

**SAMPLE TYPE** : WATER SAMPLE FROM SWIMMING POOL

**SAMPLING DATE** : NOVEMBER 23, 2023

**SAMPLING TIME** : 10:20 HOUR

**SAMPLING METHOD \*** : GRAB AND STERILE TECHNIQUE

**SAMPLING BY \*** : [REDACTED]

**ANALYZED BY** : [REDACTED]

**RECEIVED DATE** : NOVEMBER 23, 2023

**ANALYTICAL DATE** : NOVEMBER 23-26, 2023

**REPORT NO.** : 2023-U103757

**WORK NO.** : 2022-008320

**ANALYSIS NO.** : T23AX476-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (DEEP ZONE) T23AX476-0001		
MICROBIOLOGY					
<i>Staphylococcus aureus</i> #	/100 mL	MEMBRANE FILTER TECHNIQUE (SM: PART 9213 B)	NOT DETECTED	1/	-
SAMPLE CONDITION					
WATER'S COLOUR/TURBID SEDIMENT			COLOURLESS/CLEAR -		

# : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF MEDICAL SCIENCE (DMSC)

\* : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

REGULATORY STANDARD : BANGKOK METROPOLITAN REGULATIONS FOR THE BUSINESS DISTRICTIONAL TO HEALTH, B.E. 2530 (1987).

1/ : DISEASE-CAUSING BACTERIA IS NOT DETECTED.

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[REDACTED]  
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LABORATORY SUPERVISOR

NOVEMBER 30, 2023



## ANALYSIS REPORT

**PROJECT NAME** : การตรวจวัดคุณภาพสิ่งแวดล้อม และการตรวจสอบการปฏิบัติตามมาตรฐานการป้องกันและแก้ไขผลกระทบสิ่งแวดล้อม  
โครงการ GRANDE CENTRE POINT HOTEL SUKHUMVIT 55 ประจำปี 2566

**CUSTOMER NAME** : L&H HOTEL MANAGEMENT COMPANY LIMITED

**ADDRESS** : 300 SUKHUMVIT 55 (THONGLOR) KHLONG TAN NUEA WATTHANA BANGKOK 10110

**CONTACT INFORMATION** : TEL : 0 2020 8080, 08 7083 4737 e-mail : boonkhum.b@gcphotels.com

**SAMPLING SOURCE** : GRANDE CENTRE POINT HOTEL SUKHUMVIT 55

**SAMPLE TYPE** : WATER SAMPLE FROM SWIMMING POOL

**SAMPLING DATE** : NOVEMBER 29, 2023

**SAMPLING TIME** : 10:40 HOUR

**SAMPLING METHOD <sup>c</sup>** : GRAB, GRAB AND STERILE TECHNIQUE

**SAMPLING BY <sup>c</sup>** : [REDACTED]

**ANALYZED BY** : [REDACTED]

**RECEIVED DATE** : NOVEMBER 29, 2023

**ANALYTICAL DATE** : NOVEMBER 29 - DECEMBER 6, 2023

**REPORT NO.** : 2023-U105995

**WORK NO.** : 2022-008320

**ANALYSIS NO.** : T23AX841-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (SHALLOW ZONE) T23AX841-0002		
TOTAL DISSOLVED SOLIDS <sup>c</sup>	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: PART 2540 C)	3,988	-	25
MICROBIOLOGY					
COLIFORM BACTERIA <sup>b</sup>	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B)	< 1.1	< 10	1.1
<i>E. coli</i> <sup>b</sup>	/100 mL	FLUOROGENIC SUBSTRATE TEST (SM: PART 9221 D AND F)	NOT DETECTED	NOT DETECTED	-
<i>Pseudomonas aeruginosa</i> <sup>c</sup>	/100 mL	MEMBRANE FILTER TECHNIQUE (ISO 16266)	NOT DETECTED	1/	-
<b>SAMPLE CONDITION</b> WATER'S COLOUR/TURBID SEDIMENT			COLOURLESS/CLEAR		

<sup>a</sup> : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

<sup>b</sup> : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

<sup>c</sup> : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

REGULATORY STANDARD : BANGKOK METROPOLITAN REGULATIONS FOR THE BUSINESS DISTRIMENTAL TO HEALTH, B.E. 2530 (1987).

1/ : DISEASE-CAUSING BACTERIA IS NOT DETECTED.

LABORATORY SUPERVISOR

DECEMBER 12, 2023



## ANALYSIS REPORT

**PROJECT NAME** : การตรวจวัดคุณภาพสิ่งแวดล้อม และการตรวจสอบการปฏิบัติตามมาตรการป้องกันและแก้ไขผลกระทบสิ่งแวดล้อม  
โครงการ GRANDE CENTRE POINT HOTEL SUKHUMVIT 55 ประจำปี 2566

**CUSTOMER NAME** : L&H HOTEL MANAGEMENT COMPANY LIMITED

**ADDRESS** : 300 SUKHUMVIT 55 (THONGLOR) KHLONG TAN NUEA WATTHANA BANGKOK 10110

**CONTACT INFORMATION** : TEL : 0 2020 8080, 08 7083 4737 e-mail : boonkhum.b@gcphotels.com

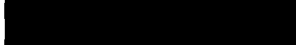
**SAMPLING SOURCE** : GRANDE CENTRE POINT HOTEL SUKHUMVIT 55

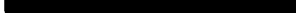
**SAMPLE TYPE** : WATER SAMPLE FROM SWIMMING POOL **RECEIVED DATE** : NOVEMBER 29, 2023

**SAMPLING DATE** : NOVEMBER 29, 2023 **ANALYTICAL DATE** : NOVEMBER 29 - DECEMBER 3, 2023

**SAMPLING TIME** : 10:40 HOUR **REPORT NO.** : 2023-U105997

**SAMPLING METHOD \*** : GRAB AND STERILE TECHNIQUE **WORK NO.** : 2022-008320

**SAMPLING BY \*** :  **ANALYSIS NO.** : T23AX841-0002

**ANALYZED BY** : 

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (SHALLOW ZONE) T23AX841-0002		
MICROBIOLOGY					
<i>Staphylococcus aureus</i> #	/100 mL	MEMBRANE FILTER TECHNIQUE (SM: PART 9213 B)	NOT DETECTED	1/	-
SAMPLE CONDITION			COLOURLESS/CLEAR		
WATER'S COLOUR/TURBID SEDIMENT					

# : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF MEDICAL SCIENCE (DMSC)  
\* : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.  
REGULATORY STANDARD : BANGKOK METROPOLITAN REGULATIONS FOR THE BUSINESS DISTRIEMENTAL TO HEALTH, B.E. 2530 (1987).  
1/ : DISEASE-CAUSING BACTERIA IS NOT DETECTED.

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LABORATORY SUPERVISOR

DECEMBER 12, 2023



## ANALYSIS REPORT

**PROJECT NAME** : การตรวจวัดคุณภาพสิ่งแวดล้อม และการตรวจสอบการปฏิบัติตามมาตรฐานการป้องกันและแก้ไขผลกระทบสิ่งแวดล้อม  
โครงการ GRANDE CENTRE POINT HOTEL SUKHUMVIT 55 ประจำปี 2566  
**CUSTOMER NAME** : L&H HOTEL MANAGEMENT COMPANY LIMITED  
**ADDRESS** : 300 SUKHUMVIT 55 (THONGLOR) KHLONG TAN NUEA WATTHANA BANGKOK 10110  
**CONTACT INFORMATION** : TEL : 0 2020 8080, 08 7083 4737 e-mail : boonkhum.b@gcphotels.com  
**SAMPLING SOURCE** : GRANDE CENTRE POINT HOTEL SUKHUMVIT 55  
**SAMPLE TYPE** : WATER SAMPLE FROM SWIMMING POOL  
**SAMPLING DATE** : NOVEMBER 29, 2023  
**SAMPLING TIME** : 10:30 HOUR  
**SAMPLING METHOD °** : GRAB AND STERILE TECHNIQUE  
**SAMPLING BY °** : [REDACTED]  
**ANALYZED BY** : [REDACTED]

**RECEIVED DATE** : NOVEMBER 29, 2023  
**ANALYTICAL DATE** : NOVEMBER 29 - DECEMBER 6, 2023  
**REPORT NO.** : 2023-U105987  
**WORK NO.** : 2022-008320  
**ANALYSIS NO.** : T23AX841-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (DEEP ZONE) T23AX841-0001		
MICROBIOLOGY					
COLIFORM BACTERIA <sup>b</sup>	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B)	< 1.1	< 10	1.1
<i>E. coli</i> <sup>b</sup>	/100 mL	FLUOROGENIC SUBSTRATE TEST (SM: PART 9221 D AND F)	NOT DETECTED	NOT DETECTED	-
<i>Pseudomonas aeruginosa</i> <sup>c</sup>	/100 mL	MEMBRANE FILTER TECHNIQUE (ISO 16266)	NOT DETECTED	1/	-
SAMPLE CONDITION					
WATER'S COLOUR/TURBID			COLOURLESS/CLEAR		
SEDIMENT			-		

<sup>a</sup> : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

<sup>b</sup> : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

<sup>c</sup> : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

REGULATORY STANDARD : BANGKOK METROPOLITAN REGULATIONS FOR THE BUSINESS DISTRIMENTAL TO HEALTH, B.E. 2530 (1987).

1/ : DISEASE-CAUSING BACTERIA IS NOT DETECTED.

[REDACTED SIGNATURE]

LABORATORY SUPERVISOR

DECEMBER 12, 2023





## ANALYSIS REPORT

**PROJECT NAME** : การตรวจวัดคุณภาพสิ่งแวดล้อม และการตรวจสอบการปฏิบัติตามมาตรฐานการป้องกันและแก้ไขผลกระทบสิ่งแวดล้อม  
โครงการ GRANDE CENTRE POINT HOTEL SUKHUMVIT 55 ประจำปี 2566

**CUSTOMER NAME** : L&H HOTEL MANAGEMENT COMPANY LIMITED

**ADDRESS** : 300 SUKHUMVIT 55 (THONGLOR) KHLONG TAN NUEA WATTHANA BANGKOK 10110

**CONTACT INFORMATION** : TEL : 0 2020 8080, 08 7083 4737 e-mail : boonkhum.b@gcphotels.com

**SAMPLING SOURCE** : GRANDE CENTRE POINT HOTEL SUKHUMVIT 55

**SAMPLE TYPE** : WATER SAMPLE FROM SWIMMING POOL

**SAMPLING DATE** : NOVEMBER 29, 2023

**SAMPLING TIME** : 10:30 HOUR

**SAMPLING METHOD \*** : GRAB AND STERILE TECHNIQUE

**SAMPLING BY \*** : [REDACTED]

**ANALYZED BY** : [REDACTED]

**RECEIVED DATE** : NOVEMBER 29, 2023

**ANALYTICAL DATE** : NOVEMBER 29 - DECEMBER 3, 2023

**REPORT NO.** : 2023-U105988

**WORK NO.** : 2022-008320

**ANALYSIS NO.** : T23AX841-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (DEEP ZONE) T23AX841-0001		
MICROBIOLOGY					
Staphylococcus aureus #	/100 mL	MEMBRANE FILTER TECHNIQUE (SM: PART 9213 B)	NOT DETECTED	1/	-
SAMPLE CONDITION					
WATER'S COLOUR/TURBID			COLOURLESS/CLEAR		
SEDIMENT			-		

# : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF MEDICAL SCIENCE (DMSQ)

\* : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

REGULATORY STANDARD : BANGKOK METROPOLITAN REGULATIONS FOR THE BUSINESS DISTRIEMENTAL TO HEALTH, B.E. 2530 (1987).



1/ : DISEASE-CAUSING BACTERIA IS NOT DETECTED.

LABORATORY SUPERVISOR

DECEMBER 12, 2023



## ANALYSIS REPORT

**PROJECT NAME** : การตรวจวัดคุณภาพสิ่งแวดล้อม และการตรวจสอบการปฏิบัติตามมาตรฐานการป้องกันและแก้ไขผลกระทบสิ่งแวดล้อม  
โครงการ GRANDE CENTRE POINT HOTEL SUKHUMVIT 55 ประจำปี 2566  
**CUSTOMER NAME** : L&H HOTEL MANAGEMENT COMPANY LIMITED  
**ADDRESS** : 300 SUKHUMVIT 55 (THONGLOR) KHLONG TAN NUEA WATTHANA BANGKOK 10110  
**CONTACT INFORMATION** : TEL : 0 2020 8080, 08 7083 4737 e-mail : boonkhum.b@gcphotels.com  
**SAMPLING SOURCE** : GRANDE CENTRE POINT HOTEL SUKHUMVIT 55  
**SAMPLE TYPE** : WATER SAMPLE FROM SWIMMING POOL  
**SAMPLING DATE** : DECEMBER 13, 2023  
**SAMPLING TIME** : 11:50 HOUR  
**SAMPLING METHOD °** : GRAB AND STERILE TECHNIQUE  
**SAMPLING BY °** :   
**ANALYZED BY** : 

**RECEIVED DATE** : DECEMBER 13, 2023  
**ANALYTICAL DATE** : DECEMBER 13-21, 2023  
**REPORT NO.** : 2023-U110869  
**WORK NO.** : 2022-008320  
**ANALYSIS NO.** : T23AY927-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (DEEP ZONE) T23AY927-0001		
MICROBIOLOGY					
COLIFORM BACTERIA <sup>b</sup>	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B)	< 1.1	< 10	1.1
<i>E. coli</i> <sup>b</sup>	/100 mL	FLUOROGENIC SUBSTRATE TEST (SM: PART 9221 D AND F)	NOT DETECTED	NOT DETECTED	-
<i>Pseudomonas aeruginosa</i> <sup>c</sup>	/100 mL	MEMBRANE FILTER TECHNIQUE (ISO 16266)	NOT DETECTED	1/	-
<i>Staphylococcus aureus</i> <sup>c</sup>	/100 mL	MEMBRANE FILTER TECHNIQUE (SM: PART 9213 B)	NOT DETECTED	1/	-
SAMPLE CONDITION WATER'S COLOUR/TURBID SEDIMENT			COLOURLESS/CLEAR -		

<sup>a</sup> : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

<sup>b</sup> : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

<sup>c</sup> : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

REGULATORY STANDARD : BANGKOK METROPOLITAN REGULATIONS FOR THE BUSINESS DISTRICTIONAL TO HEALTH, B.E. 2530 (1987).



1/ : DISEASE-CAUSING BACTERIA IS NOT DETECTED.

LABORATORY SUPERVISOR

DECEMBER 25, 2023



## ANALYSIS REPORT

**PROJECT NAME** : การตรวจวัดคุณภาพสิ่งแวดล้อม และการตรวจสอบการปฏิบัติตามมาตรฐานการป้องกันและแก้ไขผลกระทบสิ่งแวดล้อม  
 โครงการ GRANDE CENTRE POINT HOTEL SUKHUMVIT 55 ประจำปี 2566  
**CUSTOMER NAME** : L&H HOTEL MANAGEMENT COMPANY LIMITED  
**ADDRESS** : 300 SUKHUMVIT 55 (THONGLOR) KHLONG TAN NUEA WATTHANA BANGKOK 10110  
**CONTACT INFORMATION** : TEL : 0 2020 8080, 08 7083 4737 e-mail : boonkhum.b@gcphoteis.com  
**SAMPLING SOURCE** : GRANDE CENTRE POINT HOTEL SUKHUMVIT 55  
**SAMPLE TYPE** : WATER SAMPLE FROM SWIMMING POOL  
**SAMPLING DATE** : DECEMBER 13, 2023  
**SAMPLING TIME** : 11:55 HOUR  
**SAMPLING METHOD <sup>c</sup>** : GRAB, GRAB AND STERILE TECHNIQUE  
**SAMPLING BY <sup>c</sup>** :   
**ANALYZED BY** : 

**RECEIVED DATE** : DECEMBER 13, 2023  
**ANALYTICAL DATE** : DECEMBER 13-21, 2023  
**REPORT NO.** : 2023-U110870  
**WORK NO.** : 2022-008320  
**ANALYSIS NO.** : T23AY927-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (SHALLOW ZONE) T23AY927-0002		
TOTAL DISSOLVED SOLIDS <sup>c</sup>	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: PART 2540 C)	3,620	-	25
MICROBIOLOGY					
COLIFORM BACTERIA <sup>b</sup>	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B)	< 1.1	< 10	1.1
<i>E. coli</i> <sup>b</sup>	/100 mL	FLUOROGENIC SUBSTRATE TEST (SM: PART 9221 D AND F)	NOT DETECTED	NOT DETECTED	-
<i>Pseudomonas aeruginosa</i> <sup>c</sup>	/100 mL	MEMBRANE FILTER TECHNIQUE (ISO 16266)	NOT DETECTED	1/	-
<i>Staphylococcus aureus</i> <sup>c</sup>	/100 mL	MEMBRANE FILTER TECHNIQUE (SM: PART 9213 B)	NOT DETECTED	1/	-
<b>SAMPLE CONDITION</b> WATER'S COLOUR/TURBID SEDIMENT			COLOURLESS/CLEAR -		

<sup>a</sup> : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

<sup>b</sup> : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

<sup>c</sup> : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

REGULATORY STANDARD : BANGKOK METROPOLITAN REGULATIONS FOR THE BUSINESS DISTRICTIONAL TO HEALTH, B.E. 2530 (1987).

1/ : DISEASE-CAUSING BACTERIA IS NOT DETECTED.



LABORATORY SUPERVISOR

DECEMBER 25, 2023



## ANALYSIS REPORT

**PROJECT NAME** : การตรวจวัดคุณภาพสิ่งแวดล้อม และการตรวจสอบการปฏิบัติตามมาตรการป้องกันและแก้ไขผลกระทบสิ่งแวดล้อม  
โครงการ GRANDE CENTRE POINT HOTEL SUKHUMVIT 55 ประจำปี 2566

**CUSTOMER NAME** : L&H HOTEL MANAGEMENT COMPANY LIMITED

**ADDRESS** : 300 SUKHUMVIT 55 (THONGLOR) KHLONG TAN NUEA WATTHANA BANGKOK 10110

**CONTACT INFORMATION** : TEL : 0 2020 8080, 08 7083 4737 e-mail : boonkhum.b@gcphotels.com

**SAMPLING SOURCE** : GRANDE CENTRE POINT HOTEL SUKHUMVIT 55

**SAMPLE TYPE** : WATER SAMPLE FROM SWIMMING POOL

**SAMPLING DATE** : DECEMBER 20, 2023

**SAMPLING TIME** : 11:00 HOUR

**SAMPLING METHOD <sup>a</sup>** : GRAB AND STERILE TECHNIQUE

**SAMPLING BY <sup>c</sup>** : [REDACTED]

**ANALYZED BY** : [REDACTED]

**RECEIVED DATE** : DECEMBER 20, 2023

**ANALYTICAL DATE** : DECEMBER 20-27, 2023

**REPORT NO.** : 2024-U001474

**WORK NO.** : 2022-008320

**ANALYSIS NO.** : T23AZ534-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (DEEP ZONE) T23AZ534-0001		
MICROBIOLOGY					
COLIFORM BACTERIA <sup>b</sup>	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B)	>23	< 10	1.1
<i>E. coli</i> <sup>b</sup>	/100 mL	FLUOROGENIC SUBSTRATE TEST (SM: PART 9221 D AND F)	NOT DETECTED	NOT DETECTED	-
<i>Pseudomonas aeruginosa</i> <sup>c</sup>	/100 mL	MEMBRANE FILTER TECHNIQUE (ISO 16266)	NOT DETECTED	1/	-
<i>Staphylococcus aureus</i> <sup>c</sup>	/100 mL	MEMBRANE FILTER TECHNIQUE (SM: PART 9213 B)	NOT DETECTED	1/	-
SAMPLE CONDITION WATER'S COLOUR/TURBID SEDIMENT			COLOURLESS/CLEAR		

<sup>a</sup> : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

<sup>b</sup> : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

<sup>c</sup> : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

REGULATORY STANDARD : BANGKOK METROPOLITAN REGULATIONS FOR THE BUSINESS DISTRIMENTAL TO HEALTH, B.E. 2530 (1987).

1/ : DISEASE-CAUSING BACTERIA IS NOT DETECTED.

..... [REDACTED] .....

LABORATORY SUPERVISOR

JANUARY 8, 2024



## ANALYSIS REPORT

**PROJECT NAME** : การตรวจวัดคุณภาพสิ่งแวดล้อม และการตรวจสอบการปฏิบัติตามมาตรฐานการป้องกันและแก้ไขผลกระทบสิ่งแวดล้อม  
โครงการ GRANDE CENTRE POINT HOTEL SUKHUMVIT 55 ประจำปี 2566  
**CUSTOMER NAME** : L&H HOTEL MANAGEMENT COMPANY LIMITED  
**ADDRESS** : 300 SUKHUMVIT 55 (THONGLOR) KHLONG TAN NUEA WATTHANA BANGKOK 10110  
**CONTACT INFORMATION** : TEL : 0 2020 8080, 08 7083 4737 e-mail : boonkhum.b@gcphotels.com  
**SAMPLING SOURCE** : GRANDE CENTRE POINT HOTEL SUKHUMVIT 55  
**SAMPLE TYPE** : WATER SAMPLE FROM SWIMMING POOL  
**SAMPLING DATE** : DECEMBER 20, 2023  
**SAMPLING TIME** : 11:10 HOUR  
**SAMPLING METHOD °** : GRAB, GRAB AND STERILE TECHNIQUE  
**SAMPLING BY °** : [REDACTED]  
**ANALYZED BY** : [REDACTED]

**RECEIVED DATE** : DECEMBER 20, 2023  
**ANALYTICAL DATE** : DECEMBER 20-27, 2023  
**REPORT NO.** : 2024-U001475  
**WORK NO.** : 2022-008320  
**ANALYSIS NO.** : T23AZ534-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (SHALLOW ZONE) T23AZ534-0002		
TOTAL DISSOLVED SOLIDS °	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: PART 2540 C)	3,620	-	25
MICROBIOLOGY					
COLIFORM BACTERIA °	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B)	2.2	< 10	1.1
<i>E. coli</i> °	/100 mL	FLUOROGENIC SUBSTRATE TEST (SM: PART 9221 D AND F)	NOT DETECTED	NOT DETECTED	-
<i>Pseudomonas aeruginosa</i> °	/100 mL	MEMBRANE FILTER TECHNIQUE (ISO 16266)	DETECTED	1/	-
<i>Staphylococcus aureus</i> °	/100 mL	MEMBRANE FILTER TECHNIQUE (SM: PART 9213 B)	NOT DETECTED	1/	-
<b>SAMPLE CONDITION</b> WATER'S COLOUR/TURBID SEDIMENT			COLOURLESS/CLEAR -		

° : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

° : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

° : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

REGULATORY STANDARD : BANGKOK METROPOLITAN REGULATIONS FOR THE BUSINESS DISTRIMENTAL TO HEALTH, B.E. 2530 (1987).

1/ : DISEASE-CAUSING BACTERIA IS NOT DETECTED.

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[REDACTED]  
.....  
LABORATORY SUPERVISOR

JANUARY 8, 2024





## ANALYSIS REPORT

**PROJECT NAME** : การตรวจวัดคุณภาพสิ่งแวดล้อม และการตรวจสอบการปฏิบัติตามมาตรฐานการป้องกันและแก้ไขผลกระทบสิ่งแวดล้อม  
โครงการ GRANDE CENTRE POINT HOTEL SUKHUMVIT 55 ประจำปี 2566  
**CUSTOMER NAME** : L&H HOTEL MANAGEMENT COMPANY LIMITED  
**ADDRESS** : 300 SUKHUMVIT 55 (THONGLOR) KHLONG TAN NUEA WATTHANA BANGKOK 10110  
**CONTACT INFORMATION** : TEL : 0 2020 8080, 08 7083 4737 e-mail : boonkhum.b@gcphotels.com  
**SAMPLING SOURCE** : GRANDE CENTRE POINT HOTEL SUKHUMVIT 55  
**SAMPLE TYPE** : WATER SAMPLE FROM SWIMMING POOL  
**SAMPLING DATE** : DECEMBER 26, 2023  
**SAMPLING TIME** : 11:50 HOUR  
**SAMPLING METHOD °** : GRAB AND STERILE TECHNIQUE  
**SAMPLING BY °** : N [REDACTED]  
**ANALYZED BY** : N [REDACTED]

**RECEIVED DATE** : DECEMBER 26, 2023  
**ANALYTICAL DATE** : DECEMBER 26-31, 2023  
**REPORT NO.** : 2024-U000935  
**WORK NO.** : 2022-008320  
**ANALYSIS NO.** : T23BA054-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (DEEP ZONE) T23BA054-0001		
MICROBIOLOGY					
COLIFORM BACTERIA <sup>b</sup>	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B)	< 1.1	< 10	1.1
<i>E. coli</i> <sup>b</sup>	/100 mL	FLUOROGENIC SUBSTRATE TEST (SM: PART 9221 D AND F)	NOT DETECTED	NOT DETECTED	-
<i>Pseudomonas aeruginosa</i> <sup>c</sup>	/100 mL	MEMBRANE FILTER TECHNIQUE (ISO 16268)	NOT DETECTED	1/	-
<i>Staphylococcus aureus</i> <sup>c</sup>	/100 mL	MEMBRANE FILTER TECHNIQUE (SM: PART 9213 B)	NOT DETECTED	1/	-
SAMPLE CONDITION WATER'S COLOUR/TURBID SEDIMENT			COLOURLESS/CLEAR  -		

<sup>a</sup> : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

<sup>b</sup> : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

<sup>c</sup> : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

REGULATORY STANDARD : BANGKOK METROPOLITAN REGULATIONS FOR THE BUSINESS DISTRIMENTAL TO HEALTH, B.E. 2530 (1987).

1/ : DISEASE-CAUSING BACTERIA IS NOT DETECTED.

...  
[REDACTED]  
...

LABORATORY SUPERVISOR

JANUARY 5, 2024





## ANALYSIS REPORT

**PROJECT NAME** : การตรวจวัดคุณภาพสิ่งแวดล้อม และการตรวจสอบการปฏิบัติตามมาตรการป้องกันและแก้ไขผลกระทบสิ่งแวดล้อม  
**CUSTOMER NAME** : โครงการ GRANDE CENTRE POINT HOTEL SUKHUMVIT 55 ประจำปี 2566  
**ADDRESS** : L&H HOTEL MANAGEMENT COMPANY LIMITED  
**CONTACT INFORMATION** : 300 SUKHUMVIT 55 (THONGLOR) KHLONG TAN NUEA WATTHANA BANGKOK 10110  
**SAMPLING SOURCE** : TEL : 0 2020 8080, 08 7083 4737 e-mail : boonkhum.b@gcphotels.com  
**SAMPLE TYPE** : GRANDE CENTRE POINT HOTEL SUKHUMVIT 55  
**SAMPLING DATE** : WATER SAMPLE FROM SWIMMING POOL  
**SAMPLING TIME** : DECEMBER 26, 2023  
**SAMPLING METHOD** : 12:00 HOUR  
**SAMPLING BY** : GRAB, GRAB AND STERILE TECHNIQUE  
**ANALYZED BY** : [REDACTED]

**RECEIVED DATE** : DECEMBER 26, 2023  
**ANALYTICAL DATE** : DECEMBER 26-31, 2023  
**REPORT NO.** : 2024-U000936  
**WORK NO.** : 2022-008320  
**ANALYSIS NO.** : T23BA054-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (SHALLOW ZONE) T23BA054-0002		
TOTAL DISSOLVED SOLIDS <sup>c</sup>	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: PART 2540 C)	2,511	-	25
MICROBIOLOGY					
COLIFORM BACTERIA <sup>b</sup>	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B)	< 1.1	< 10	1.1
<i>E. coli</i> <sup>b</sup>	/100 mL	FLUOROGENIC SUBSTRATE TEST (SM: PART 9221 D AND F)	NOT DETECTED	NOT DETECTED	-
<i>Pseudomonas aeruginosa</i> <sup>c</sup>	/100 mL	MEMBRANE FILTER TECHNIQUE (ISO 16266)	NOT DETECTED	1/	-
<i>Staphylococcus aureus</i> <sup>c</sup>	/100 mL	MEMBRANE FILTER TECHNIQUE (SM: PART 9213 B)	NOT DETECTED	1/	-
<b>SAMPLE CONDITION</b> WATER'S COLOUR/TURBID SEDIMENT			COLOURLESS/CLEAR -		

<sup>a</sup> : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

<sup>b</sup> : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

<sup>c</sup> : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

REGULATORY STANDARD : BANGKOK METROPOLITAN REGULATIONS FOR THE BUSINESS DISTRIMENTAL TO HEALTH, B.E. 2530 (1987).

1/ : DISEASE-CAUSING BACTERIA IS NOT DETECTED.

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 LABORATORY SUPERVISOR

JANUARY 5, 2024



## ANALYSIS REPORT

**PROJECT NAME** : การตรวจวัดคุณภาพสิ่งแวดล้อม และการตรวจสอบการปฏิบัติตามมาตรฐานการป้องกันและแก้ไขผลกระทบสิ่งแวดล้อม  
 โครงการ GRANDE CENTRE POINT HOTEL SUKHUMVIT 55 ประจำปี 2566  
**CUSTOMER NAME** : L&H HOTEL MANAGEMENT COMPANY LIMITED  
**ADDRESS** : 300 SUKHUMVIT 55 (THONGLOR) KHLONG TAN NUEA WATTHANA BANGKOK 10110  
**CONTACT INFORMATION** : TEL : 0 2020 8080, 08 7083 4737 e-mail : boonkhum.b@gcphotels.com  
**SAMPLING SOURCE** : GRANDE CENTRE POINT HOTEL SUKHUMVIT 55  
**SAMPLE TYPE** : WATER SAMPLE FROM SWIMMING POOL  
**SAMPLING DATE** : DECEMBER 9, 2023  
**SAMPLING TIME** : 11:20 HOUR  
**SAMPLING METHOD <sup>c</sup>** : GRAB, GRAB AND STERILE TECHNIQUE  
**SAMPLING BY <sup>c</sup>** : [REDACTED]  
**ANALYZED BY** : [REDACTED]

**RECEIVED DATE** : DECEMBER 9, 2023  
**ANALYTICAL DATE** : DECEMBER 9-15, 2023  
**REPORT NO.** : 2023-U109257  
**WORK NO.** : 2022-008320  
**ANALYSIS NO.** : T23AY698-0005

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (SHALLOW ZONE) T23AY698-0005		
TOTAL DISSOLVED SOLIDS <sup>c</sup>	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: PART 2540 C)	3,880	-	25
MICROBIOLOGY					
COLIFORM BACTERIA <sup>b</sup>	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B)	< 1.1	< 10	1.1
<i>E. coli</i> <sup>b</sup>	/100 mL	FLUOROGENIC SUBSTRATE TEST (SM: PART 9221 D AND F)	NOT DETECTED	NOT DETECTED	-
<i>Pseudomonas aeruginosa</i> <sup>c</sup>	/100 mL	MEMBRANE FILTER TECHNIQUE (ISO 16266)	NOT DETECTED	1/	-
<b>SAMPLE CONDITION</b> WATER'S COLOUR/TURBID SEDIMENT			COLOURLESS/CLEAR -		

<sup>a</sup> : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

<sup>b</sup> : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

<sup>c</sup> : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

REGULATORY STANDARD : BANGKOK METROPOLITAN REGULATIONS FOR THE BUSINESS DISTRICTIONAL TO HEALTH, B.E. 2530 (1987).

1/ : DISEASE-CAUSING BACTERIA IS NOT DETECTED.



[REDACTED SIGNATURE]

LABORATORY SUPERVISOR

DECEMBER 20, 2023



## ANALYSIS REPORT

**PROJECT NAME** : การตรวจวัดคุณภาพสิ่งแวดล้อม และการตรวจสอบการปฏิบัติตามมาตรฐานการป้องกันและแก้ไขผลกระทบสิ่งแวดล้อม  
โครงการ GRANDE CENTRE POINT HOTEL SUKHUMVIT 55 ประจำปี 2566  
**CUSTOMER NAME** : L&H HOTEL MANAGEMENT COMPANY LIMITED  
**ADDRESS** : 300 SUKHUMVIT 55 (THONGLOR) KHLONG TAN NUEA WATTHANA BANGKOK 10110  
**CONTACT INFORMATION** : TEL : 0 2020 8080, 08 7083 4737 e-mail : boonkhum.b@gcphotels.com  
**SAMPLING SOURCE** : GRANDE CENTRE POINT HOTEL SUKHUMVIT 55  
**SAMPLE TYPE** : WATER SAMPLE FROM SWIMMING POOL  
**SAMPLING DATE** : DECEMBER 9, 2023  
**SAMPLING TIME** : 11:20 HOUR  
**SAMPLING METHOD** : GRAB AND STERILE TECHNIQUE  
**SAMPLING BY** :   
**ANALYZED BY** :   
**RECEIVED DATE** : DECEMBER 9, 2023  
**ANALYTICAL DATE** : DECEMBER 9-12, 2023  
**REPORT NO.** : 2023-U109260  
**WORK NO.** : 2022-008320  
**ANALYSIS NO.** : T23AY698-0005

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (SHALLOW ZONE) T23AY698-0005		
MICROBIOLOGY					
<i>Staphylococcus aureus</i>	/100 mL	MEMBRANE FILTER TECHNIQUE (SM: PART 9213 B)	NOT DETECTED	1/	-
SAMPLE CONDITION					
WATER'S COLOUR/TURBID SEDIMENT			COLOURLESS/CLEAR		

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

REGULATORY STANDARD : BANGKOK METROPOLITAN REGULATIONS FOR THE BUSINESS DISTRICTIONAL TO HEALTH, B.E. 2530 (1987).

1/ : DISEASE-CAUSING BACTERIA IS NOT DETECTED.

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LABORATORY SUPERVISOR

DECEMBER 20, 2023



## ANALYSIS REPORT

**PROJECT NAME** : การตรวจวัดคุณภาพสิ่งแวดล้อม และการตรวจสอบการปฏิบัติตามมาตรฐานการป้องกันและแก้ไขผลกระทบสิ่งแวดล้อม  
โครงการ GRANDE CENTRE POINT HOTEL SUKHUMVIT 55 ประจำปี 2566  
**CUSTOMER NAME** : L&H HOTEL MANAGEMENT COMPANY LIMITED  
**ADDRESS** : 300 SUKHUMVIT 55 (THONGLOR) KHLONG TAN NUEA WATTHANA BANGKOK 10110  
**CONTACT INFORMATION** : TEL : 0 2020 8080, 08 7083 4737 e-mail : boonkhum.b@gcphotels.com  
**SAMPLING SOURCE** : GRANDE CENTRE POINT HOTEL SUKHUMVIT 55  
**SAMPLE TYPE** : WATER SAMPLE FROM SWIMMING POOL  
**SAMPLING DATE** : DECEMBER 9, 2023  
**SAMPLING TIME** : 11:15 HOUR  
**SAMPLING METHOD** : GRAB AND STERILE TECHNIQUE  
**SAMPLING BY** :  
**ANALYZED BY** :

**RECEIVED DATE** : DECEMBER 9, 2023  
**ANALYTICAL DATE** : DECEMBER 9-13, 2023  
**REPORT NO.** : 2023-U109256  
**WORK NO.** : 2022-008320  
**ANALYSIS NO.** : T23AY698-0004

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (DEEP ZONE) T23AY698-0004		
MICROBIOLOGY					
COLIFORM BACTERIA <sup>b</sup>	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B)	< 1.1	< 10	1.1
<i>E. coli</i> <sup>b</sup>	/100 mL	FLUOROGENIC SUBSTRATE TEST (SM: PART 9221 D AND F)	NOT DETECTED	NOT DETECTED	-
<i>Pseudomonas aeruginosa</i> <sup>c</sup>	/100 mL	MEMBRANE FILTER TECHNIQUE (ISO 16266)	NOT DETECTED	1/	-
SAMPLE CONDITION					
WATER'S COLOUR/TURBID SEDIMENT			COLOURLESS/CLEAR  -		

<sup>a</sup> : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

<sup>b</sup> : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

<sup>c</sup> : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

REGULATORY STANDARD : BANGKOK METROPOLITAN REGULATIONS FOR THE BUSINESS DISTRICTIONAL TO HEALTH, B.E. 2530 (1987).

1/ : DISEASE-CAUSING BACTERIA IS NOT DETECTED.

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[Signature]  
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LABORATORY SUPERVISOR

DECEMBER 20, 2023



## ANALYSIS REPORT

**PROJECT NAME** : การตรวจวัดคุณภาพสิ่งแวดล้อม และการตรวจสอบการปฏิบัติตามมาตรฐานการป้องกันและแก้ไขผลกระทบสิ่งแวดล้อม  
โครงการ GRANDE CENTRE POINT HOTEL SUKHUMVIT 55 ประจำปี 2566

**CUSTOMER NAME** : L&H HOTEL MANAGEMENT COMPANY LIMITED

**ADDRESS** : 300 SUKHUMVIT 55 (THONGLOR) KHLONG TAN NUEA WATTHANA BANGKOK 10110

**CONTACT INFORMATION** : TEL : 0 2020 8080, 08 7083 4737 e-mail : boonkhum.b@gcphotels.com

**SAMPLING SOURCE** : GRANDE CENTRE POINT HOTEL SUKHUMVIT 55

**SAMPLE TYPE** : WATER SAMPLE FROM SWIMMING POOL

**SAMPLING DATE** : DECEMBER 9, 2023

**SAMPLING TIME** : 11:15 HOUR

**SAMPLING METHOD** : GRAB AND STERILE TECHNIQUE

**SAMPLING BY** : [REDACTED]

**ANALYZED BY** : [REDACTED]

**RECEIVED DATE** : DECEMBER 9, 2023

**ANALYTICAL DATE** : DECEMBER 9-12, 2023

**REPORT NO.** : 2023-U109259

**WORK NO.** : 2022-008320

**ANALYSIS NO.** : T23AY698-0004

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (DEEP ZONE) T23AY698-0004		
MICROBIOLOGY					
<i>Staphylococcus aureus</i>	/100 mL	MEMBRANE FILTER TECHNIQUE (SM: PART 9213 B)	NOT DETECTED	1/	-
SAMPLE CONDITION					
WATER'S COLOUR/TURBID			COLOURLESS/CLEAR		
SEDIMENT			-		

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

REGULATORY STANDARD : BANGKOK METROPOLITAN REGULATIONS FOR THE BUSINESS DISTRIMENTAL TO HEALTH, B.E. 2530 (1987).

1/ : DISEASE-CAUSING BACTERIA IS NOT DETECTED.

..... [REDACTED] .....

LABORATORY SUPERVISOR

DECEMBER 20, 2023

