

ภาคผนวก ค
ผลการติดตามตรวจสอบคุณภาพสิ่งแวดล้อม

ภาคผนวก ค-1

ผลการติดตามตรวจสอบคุณภาพอากาศ

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 : 08 7083 4737 e-mail : boonkhum.b@gcphotels.com

MEASURING PLACE : พื้นที่โครงการ

MEASURING TYPE : AMBIENT (AIR) **RECEIVED DATE** : JANUARY 17-18, 2023

MEASURING DATE : JANUARY 17-18, 2023 **ANALYTICAL DATE** : JANUARY 17-18, 2023

MEASURING TIME : * **REPORT NO.** : 2023-U006295

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

MEASURED BY : MR AUSADAWUT YONSIRI **ANALYSIS NO.** : T23AB082-0001

TIME *	RESULT (ppm)
	CARBON MONOXIDE
	พื้นที่โครงการ
	JANUARY 17-18, 2023 T23AB082-0001
09:00-10:00 HOUR	0.85
10:00-11:00 HOUR	0.74
11:00-12:00 HOUR	0.64
12:00-13:00 HOUR	0.58
13:00-14:00 HOUR	0.59
14:00-15:00 HOUR	0.67
15:00-16:00 HOUR	0.82
16:00-17:00 HOUR	0.99
17:00-18:00 HOUR	1.13
18:00-19:00 HOUR	1.19
19:00-20:00 HOUR	1.17
20:00-21:00 HOUR	1.15
21:00-22:00 HOUR	1.09
22:00-23:00 HOUR	1.04
23:00-00:00 HOUR	0.99
00:00-01:00 HOUR	0.95
01:00-02:00 HOUR	0.94
02:00-03:00 HOUR	0.97
03:00-04:00 HOUR	1.03
04:00-05:00 HOUR	1.09
05:00-06:00 HOUR	1.13
06:00-07:00 HOUR	1.14
07:00-08:00 HOUR	0.99
08:00-09:00 HOUR	0.87

(MR SILA BANJONGJAIKUK)
LABORATORY SUPERVISOR

JANUARY 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 : 08 7083 4737 e-mail : boonkhum.b@gcphotels.com

MEASURING PLACE : พื้นที่โครงการ

MEASURING TYPE : AMBIENT (AIR) **RECEIVED DATE** : JANUARY 17-18, 2023

MEASURING DATE : JANUARY 17-18, 2023 **ANALYTICAL DATE** : JANUARY 17-18, 2023

MEASURING TIME : * **REPORT NO.** : 2023-U006297

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

MEASURED BY : MR AUSADAWUT YONSIRI **ANALYSIS NO.** : T23AB082-0001

TIME *	RESULT (ppm)
	SULPHUR DIOXIDE
	พื้นที่โครงการ
	JANUARY 17-18, 2023 T23AB082-0001
09:00-10:00 HOUR	0.0018
10:00-11:00 HOUR	0.0017
11:00-12:00 HOUR	0.0015
12:00-13:00 HOUR	0.0017
13:00-14:00 HOUR	0.0017
14:00-15:00 HOUR	0.0019
15:00-16:00 HOUR	0.0022
16:00-17:00 HOUR	0.0026
17:00-18:00 HOUR	0.0027
18:00-19:00 HOUR	0.0026
19:00-20:00 HOUR	0.0027
20:00-21:00 HOUR	0.0028
21:00-22:00 HOUR	0.0027
22:00-23:00 HOUR	0.0026
23:00-00:00 HOUR	0.0022
00:00-01:00 HOUR	0.0020
01:00-02:00 HOUR	0.0017
02:00-03:00 HOUR	0.0017
03:00-04:00 HOUR	0.0019
04:00-05:00 HOUR	0.0022
05:00-06:00 HOUR	0.0025
06:00-07:00 HOUR	0.0026
07:00-08:00 HOUR	0.0017
08:00-09:00 HOUR	0.0014
AVERAGE 24 HOUR	0.0021

(MR SILA BANJONGJAIKUK)
LABORATORY SUPERVISOR

JANUARY 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 MUEA WATTHANA BANGKOK 10110

CONTACT INFORMATION : TEL : 08 7083 4737 e-mail : boonkhum.b@gcphotels.com

MEASURING PLACE : พื้นที่โครงการ

MEASURING TYPE : AMBIENT (AIR)

MEASURING DATE : JANUARY 17-18, 2023

MEASURING TIME : *

MEASURING METHOD : FLAME IONIZATION DETECTOR

MEASURED BY : MR AUSADAWUT YONSIRI

RECEIVED DATE : JANUARY 17-18, 2023

ANALYTICAL DATE : JANUARY 17-18, 2023

REPORT NO. : 2023-U006298

WORK NO. : 2022-008320

ANALYSIS NO. : T23AB082-0001

DATE	TIME *	RESULT (ppm)
		TOTAL HYDROCARBONS
		พื้นที่โครงการ
JANUARY 17-18, 2023 T23AB082-0001	09:00-10:00 HOUR	2.06
	10:00-11:00 HOUR	1.86
	11:00-12:00 HOUR	1.73
	12:00-13:00 HOUR	1.70
	13:00-14:00 HOUR	1.72
	14:00-15:00 HOUR	1.78
	15:00-16:00 HOUR	1.97
	16:00-17:00 HOUR	2.22
	17:00-18:00 HOUR	2.52
	18:00-19:00 HOUR	2.66
	19:00-20:00 HOUR	2.73
	20:00-21:00 HOUR	2.76
	21:00-22:00 HOUR	2.79
	22:00-23:00 HOUR	2.70
	23:00-00:00 HOUR	2.43
	00:00-01:00 HOUR	2.19
	01:00-02:00 HOUR	2.05
	02:00-03:00 HOUR	2.06
	03:00-04:00 HOUR	2.03
	04:00-05:00 HOUR	2.00
	05:00-06:00 HOUR	1.98
	06:00-07:00 HOUR	2.12
	07:00-08:00 HOUR	2.24
	08:00-09:00 HOUR	1.86

(MR SILA BANJONGJAIKUK)
LABORATORY SUPERVISOR

JANUARY 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 : 08 7083 4737 e-mail : boonkhum.b@gcphotehs.com

MEASURING PLACE : พื้นที่โครงการ

MEASURING TYPE : AMBIENT (AIR) **RECEIVED DATE** : JANUARY 17-18, 2023

MEASURING DATE : JANUARY 17-18, 2023 **ANALYTICAL DATE** : JANUARY 17-18, 2023

MEASURING TIME : * **REPORT NO.** : 2023-U006296

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

MEASURED BY : MR AUSADAWUT YONSIRI **ANALYSIS NO.** : T23AB082-0001

TIME *	RESULT (ppm)
	NITROGEN DIOXIDE
	พื้นที่โครงการ
	JANUARY 17-18, 2023 T23AB082-0001
09:00-10:00 HOUR	0.0147
10:00-11:00 HOUR	0.0128
11:00-12:00 HOUR	0.0114
12:00-13:00 HOUR	0.0105
13:00-14:00 HOUR	0.0105
14:00-15:00 HOUR	0.0110
15:00-16:00 HOUR	0.0125
16:00-17:00 HOUR	0.0140
17:00-18:00 HOUR	0.0154
18:00-19:00 HOUR	0.0159
19:00-20:00 HOUR	0.0161
20:00-21:00 HOUR	0.0162
21:00-22:00 HOUR	0.0164
22:00-23:00 HOUR	0.0169
23:00-00:00 HOUR	0.0171
00:00-01:00 HOUR	0.0175
01:00-02:00 HOUR	0.0177
02:00-03:00 HOUR	0.0179
03:00-04:00 HOUR	0.0180
04:00-05:00 HOUR	0.0181
05:00-06:00 HOUR	0.0184
06:00-07:00 HOUR	0.0187
07:00-08:00 HOUR	0.0138
08:00-09:00 HOUR	0.0125

(MR. SILA BANJONGJAIKUK)
LABORATORY SUPERVISOR

JANUARY 25, 2023



ภาคผนวก ค-2
ผลการติดตามตรวจสอบคุณภาพน้ำ
จากระบบบำบัดน้ำเสีย

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 : 08 7083 4737 e-mail : boonkhum.b@gcphotel.com

SAMPLING SOURCE : GRANDE CENTRE POINT HOTEL SUKHUMVIT 55

SAMPLE TYPE : WASTEWATER

SAMPLING DATE : JANUARY 11, 2023

SAMPLING TIME : 11:00 HOUR

SAMPLING METHOD : GRAB, GRAB AND STERILE TECHNIQUE

SAMPLING BY : MR WEERAYUT MOKKAEW

ANALYZED BY : MISS AMONRAT PUTTALEE

RECEIVED DATE : JANUARY 11, 2023

ANALYTICAL DATE : JANUARY 11-19, 2023

REPORT NO. : 2023-U005832

WORK NO. : 2022-008320

ANALYSIS NO. : T23AA486-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	DETECTION LIMIT
			ส่งปริมาณภาพ (ระบบออนไลน์) T23AA486-0001	
pH ^a	-	ELECTROMETRIC METHOD AT SITE (SM:4500-H ⁺ B)	7.7 (28°C)	-
BIOCHEMICAL OXYGEN DEMAND ^a	mg/L	MEMBRANE ELECTRODE METHOD (SM: 4500-O G AND 5210 B)	141	2.0
SUSPENDED SOLIDS ^a	mg/L	SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: 2540 D)	46.7	5.0
TOTAL DISSOLVED SOLIDS ^b	mg/L	IN-HOUSE METHOD: UAE.TP.WAO.007 (TOTAL DISSOLVED SOLIDS DRIED AT 103-105 °C); SM 2540 C	506	25
SETTLABLE SOLIDS ^c	mL/L	IMHOFF CONE (SM: 2540 F)	< 0.1	0.1
SULPHIDE ^b	mg/L	IODOMETRIC METHOD (SM: 4500-S ²⁻ F)	2.7	0.50
TOTAL KJELDAHL NITROGEN ^b	mg/L	IN-HOUSE METHOD: UAE.TP.WAS.001 (KJELDAHL METHOD); SM: 4500-Norg C	55.4	15
FAT, OIL AND GREASE ^a	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: 5520 B)	ND	3
RESIDUAL CHLORINE ^c	mg/L Cl ₂	MODIFIED DPD COLOURIMETRIC METHOD (AT SITE)	ND	0.1



PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	DETECTION LIMIT
			กองปฐมนิเทศ (กรุงเทพมหานคร) T23AA486-0001	
MICROBIOLOGY				
COLIFORM BACTERIA ^b	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: 9221 B)	>160,000	1.8
FAECAL COLIFORM BACTERIA ^b	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: 9221 E)	>160,000	1.8
SAMPLE CONDITION				
WATER'S COLOUR/TURBID			YELLOW/TURBID	
SEDIMENT			YELLOW	

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

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

^c : 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, 23rd EDITION, 2017.

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

ND : NON-DETECTABLE.

.....
(MRS PIYAPAT SUTTAMANUTWONG)
LABORATORY SUPERVISOR

JANUARY 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 : 08 7083 4737 e-mail : boonkhum.b@gcphotels.com

SAMPLING SOURCE : GRANDE CENTRE POINT HOTEL SUKHUMVIT 55

SAMPLE TYPE : EFFLUENT

SAMPLING DATE : JANUARY 11, 2023

SAMPLING TIME : 11:05 HOUR

SAMPLING METHOD : GRAB, GRAB AND STERILE TECHNIQUE

SAMPLING BY : MR WEERAYUT MOKKAEW

ANALYZED BY : MISS AMONRAT PUTTALAE

RECEIVED DATE : JANUARY 11, 2023

ANALYTICAL DATE : JANUARY 11-19, 2023

REPORT NO. : 2023-U005833

WORK NO. : 2022-008320

ANALYSIS NO. : T23AA486-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			กึ่งปัสสาวะ (ระบบบำบัด) T23AA486-0002		
pH ^a	-	ELECTROMETRIC METHOD AT SITE (SM:4500-H ⁺ B)	7.2 (30°C)	5-9	-
BIOCHEMICAL OXYGEN DEMAND ^a	mg/L	MEMBRANE ELECTRODE METHOD (SM: 4500-O ₂ G AND 5210 B)	20.5	≤ 20	2.0
SUSPENDED SOLIDS ^a	mg/L	SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: 2540 D)	22.2	≤ 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 2540 C	458	500*	25
SETTLEABLE SOLIDS ^c	mL/L	IMHOFF CONE (SM: 2540 F)	< 0.1	≤ 0.5	0.1
SULPHIDE ^b	mg/L	IODOMETRIC METHOD (SM: 4500-S ²⁻ F)	< 0.50	≤ 1.0	0.50
TOTAL KJELDAHL NITROGEN ^b	mg/L	IN-HOUSE METHOD: UAE.TP.WAS.001 (KJELDAHL METHOD); SM: 4500-Norg C	8.8	≤ 35	1.5
FAT, OIL AND GREASE ^a	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: 5520 B)	ND	≤ 20	3
RESIDUAL CHLORINE ^c	mg/L Cl ₂	MODIFIED DPD COLOURIMETRIC METHOD (AT SITE)	ND	-	0.1



PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			ส่งน้ำใส (ระบบบำบัด) T23AA486-0002		
MICROBIOLOGY					
COLIFORM BACTERIA ^b	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: 9221 B)	7,000	-	1.8
SAMPLE CONDITION					
WATER'S COLOUR/TURBID			YELLOW/TURBID		
SEDIMENT			YELLOW		

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

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

^c : 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, 23rd EDITION, 2017.

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23rd 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.

(MRS PIYAPAT SUTTAMANUTWONG)
LABORATORY SUPERVISOR

JANUARY 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 : 08 7083 4737 e-mail : boonkhun.b@gcphotels.com

SAMPLING SOURCE : GRANDE CENTRE POINT HOTEL SUKHUMVIT 55

SAMPLE TYPE : EFFLUENT

SAMPLING DATE : JANUARY 11, 2023

SAMPLING TIME : 11:10 HOUR

SAMPLING METHOD : GRAB, GRAB AND STERILE TECHNIQUE

SAMPLING BY : MR WEERAYUT MOKKAEW

ANALYZED BY : MISS AMONRAT PUTTALEE

RECEIVED DATE : JANUARY 11, 2023

ANALYTICAL DATE : JANUARY 11-19, 2023

REPORT NO. : 2023-U005834

WORK NO. : 2022-008320

ANALYSIS NO. : T23AA486-0003

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			ผลการตรวจคุณภาพน้ำ T23AA486-0003		
pH ^a	-	ELECTROMETRIC METHOD AT SITE (SM 4500-H ⁺ B)	7.0 (30°C)	5-9	-
BIOCHEMICAL OXYGEN DEMAND ^a	mg/L	MEMBRANE ELECTRODE METHOD (SM: 4500-O ₂ G AND 5210 B)	25.9	≤ 20	2.0
SUSPENDED SOLIDS ^a	mg/L	SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: 2540 D)	24.8	≤ 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 2540 C	488	500*	25
SETTLABLE SOLIDS ^c	mL/L	IMHOFF CONE (SM: 2540 F)	< 0.1	≤ 0.5	0.1
SULPHIDE ^b	mg/L	IODOMETRIC METHOD (SM: 4500-S ²⁻ F)	< 0.50	≤ 1.0	0.50
TOTAL KJELDAHL NITROGEN ^b	mg/L	IN-HOUSE METHOD: UAE.TP.WAS.001 (KJELDAHL METHOD); SM: 4500-Norg C	8.2	≤ 35	1.5
FAT, OIL AND GREASE ^a	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: 5520 B)	ND	≤ 20	3
RESIDUAL CHLORINE ^c	mg/L Cl ₂	MODIFIED DPD COLOURIMETRIC METHOD (AT SITE)	ND	-	0.1



PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			มาตรฐานคุณภาพน้ำ T23AA486-0003		
MICROBIOLOGY					
COLIFORM BACTERIA ^b	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: 9221B)	3,300	-	1.8
SAMPLE CONDITION					
WATER'S COLOUR/TURBID			YELLOW/TURBID		
SEDIMENT			YELLOW		

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

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

^c : 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, 23rd EDITION, 2017.

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23rd 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.

(MRS PIYAPAT SUTTAMANUTWONG)
LABORATORY SUPERVISOR

JANUARY 27, 2023

ANALYSIS REPORT

PROJECT NAME : การตรวจวัดคุณภาพสิ่งแวดล้อม และการตรวจสอบการปฏิบัติตามมาตรฐานท้องถิ่นและแก้ไขผลกระทบสิ่งแวดล้อม
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 : 08 7083 4737 e-mail : boonkhum.b@gcphotels.com

SAMPLING SOURCE : GRANDE CENTRE POINT HOTEL SUKHUMVIT 55

SAMPLE TYPE : WASTEWATER

SAMPLING DATE : FEBRUARY 1, 2023

SAMPLING TIME : 11:10 HOUR

SAMPLING METHOD : GRAB, GRAB AND STERILE TECHNIQUE

SAMPLING BY : MR WEERAYUT MOKKAEW

ANALYZED BY : MISS AMONRAT PUTTALEE

RECEIVED DATE : FEBRUARY 1, 2023

ANALYTICAL DATE : FEBRUARY 1-7, 2023

REPORT NO. : 2023-U009803

WORK NO. : 2022-008320

ANALYSIS NO. : T23AB674-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	DETECTION LIMIT
			ถึงปริมณฑล (ระบบบำบัด) T23AB674-0001	
pH ^a	-	ELECTROMETRIC METHOD AT SITE (SM:4500-H ⁺ B)	7.4 (29°C)	-
BIOCHEMICAL OXYGEN DEMAND ^a	mg/L	MEMBRANE ELECTRODE METHOD (SM: 4500-O ₂ G AND 5210 B)	173	2.0
SUSPENDED SOLIDS ^a	mg/L	SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: 2540 D)	512	5.0
TOTAL DISSOLVED SOLIDS ^b	mg/L	IN-HOUSE METHOD: UAE.TP.WAO.007 (TOTAL DISSOLVED SOLIDS DRIED AT 103-105 °C); SM 2540 C	542	25
SETTLABLE SOLIDS ^c	mL/L	IMHOFF CONE (SM: 2540 F)	0.5	0.1
SULPHIDE ^b	mg/L	IODOMETRIC METHOD (SM: 4500-S ₂ F)	< 0.50	0.50
TOTAL KJELDAHL NITROGEN ^b	mg/L	IN-HOUSE METHOD: UAE.TP.WAS.001 (KJELDAHL METHOD); SM: 4500-Norg C	60.1	15
FAT, OIL AND GREASE ^a	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: 5520 B)	ND	3
RESIDUAL CHLORINE ^c	mg/L Cl ₂	MODIFIED DPD COLOURIMETRIC METHOD (AT SITE)	ND	0.1



PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	DETECTION LIMIT
			ถึงปริมณฑล (ระบอบภาค) T23A8674-0001	
MICROBIOLOGY				
COLIFORM BACTERIA ^b	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: 9221 B)	>160,000	1.8
FAECAL COLIFORM BACTERIA ^b	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: 9221 E)	>160,000	1.8
SAMPLE CONDITION				
WATER'S COLOUR/TURBID SEDIMENT			YELLOW/TURBID BROWN	

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

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

^c : 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, 23rd EDITION, 2017.

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

ND : NON-DETECTABLE.

(MRS PIYAPAT SUTTAMANUTWONG)
LABORATORY SUPERVISOR

FEBRUARY 14, 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 : 08 7083 4737 e-mail : boonkhum.b@gcphotels.com

SAMPLING SOURCE : GRANDE CENTRE POINT HOTEL SUKHUMVIT 55

SAMPLE TYPE : EFFLUENT

SAMPLING DATE : FEBRUARY 1, 2023

SAMPLING TIME : 11:15 HOUR

SAMPLING METHOD : GRAB, GRAB AND STERILE TECHNIQUE

SAMPLING BY : MR WEERAYUT MOKKAEW

ANALYZED BY : MISS AMONRAT PUTTALEE

RECEIVED DATE : FEBRUARY 1, 2023

ANALYTICAL DATE : FEBRUARY 1-7, 2023

REPORT NO. : 2023-U009804

WORK NO. : 2022-008320

ANALYSIS NO. : T23AB674-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			ส่งน้ำใส (รวมกากน้ำ) T23AB674-0002		
pH ^a	-	ELECTROMETRIC METHOD AT SITE (SM:4500-H ⁺ B)	8.8 (30°C)	5-9	-
BIOCHEMICAL OXYGEN DEMAND ^a	mg/L	MEMBRANE ELECTRODE METHOD (SM: 4500-O ₂ G AND 5210 B)	12.7	≤ 20	2.0
SUSPENDED SOLIDS ^a	mg/L	SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: 2540 D)	23.9	≤ 30	5.0
TOTAL DISSOLVED SOLIDS ^b	mg/L	IN-HOUSE METHOD: UAE.TP.WAQ.007 (TOTAL DISSOLVED SOLIDS DRIED AT 103- 105 °C); SM 2540 C	444	500*	25
SETTLABLE SOLIDS ^c	mL/L	IMHOFF CONE (SM: 2540 F)	0.8	≤ 0.5	0.1
SULPHIDE ^b	mg/L	IODOMETRIC METHOD (SM: 4500-S ²⁻ F)	< 0.50	≤ 1.0	0.50
TOTAL KJELDAHL NITROGEN ^b	mg/L	IN-HOUSE METHOD: UAE.TP.WAS.001 (KJELDAHL METHOD); SM: 4500-Norg C	9.0	≤ 35	15
FAT, OIL AND GREASE ^a	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: 5520 B)	ND	≤ 20	3
RESIDUAL CHLORINE ^c	mg/L Cl ₂	MODIFIED DPD COLOURIMETRIC METHOD (AT SITE)	ND	-	0.1



PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			ถังน้ำใส (รวมแปลผล) T23AB674-0002		
MICROBIOLOGY					
COLIFORM BACTERIA ^b	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: 9221 B)	2,400	-	1.8
SAMPLE CONDITION WATER'S COLOUR/TURBID SEDIMENT			YELLOW/TURBID BROWN		

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

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

^c : 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, 23RD EDITION, 2017.

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23RD 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.

(MRS PIYAPAT SUTTAMANUTWONG)
LABORATORY SUPERVISOR

FEBRUARY 14, 2023

ANALYSIS REPORT

PROJECT NAME : การตรวจวัดคุณภาพสิ่งแวดล้อม และการตรวจสอบการใช้ปฏิบัติตามมาตรการป้องกันและแก้ไขผลกระทบสิ่งแวดล้อม
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 : 08 7083 4737 e-mail : boonkhum.b@gcphotels.com

SAMPLING SOURCE : GRANDE CENTRE POINT HOTEL SUKHUMVIT 55

SAMPLE TYPE : EFFLUENT

SAMPLING DATE : FEBRUARY 1, 2023

SAMPLING TIME : 11:20 HOUR

SAMPLING METHOD : GRAB, GRAB AND STERILE TECHNIQUE

SAMPLING BY : MR WEERAYUT MOKKAEW

ANALYZED BY : MISS AMONRAT PUTTALEE

RECEIVED DATE : FEBRUARY 1, 2023

ANALYTICAL DATE : FEBRUARY 1-7, 2023

REPORT NO. : 2023-U009805

WORK NO. : 2022-008320

ANALYSIS NO. : T23AB674-0003

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			ไม่ตรวจคุณภาพน้ำ T23AB674-0003		
pH ^a	-	ELECTROMETRIC METHOD AT SITE (SM:4500-H ⁺ B)	6.3 (30°C)	5-9	-
BIOCHEMICAL OXYGEN DEMAND ^a	mg/L	MEMBRANE ELECTRODE METHOD (SM: 4500-O ₂ G AND 5210 B)	12.6	≤ 20	2.0
SUSPENDED SOLIDS ^a	mg/L	SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: 2540 D)	19.3	≤ 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 2540 C	420	500*	25
SETTLEABLE SOLIDS ^c	mL/L	IMHOFF CONE (SM: 2540 F)	< 0.1	≤ 0.5	0.1
SULPHIDE ^d	mg/L	IODOMETRIC METHOD (SM: 4500-S ²⁻ F)	< 0.50	≤ 1.0	0.50
TOTAL KJELDAHL NITROGEN ^b	mg/L	IN-HOUSE METHOD: UAE.TP.WAS.001 (KJELDAHL METHOD); SM: 4500-Norg C	8.6	≤ 35	15
FAT, OIL AND GREASE ^a	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: 5520 B)	ND	≤ 20	3
RESIDUAL CHLORINE ^e	mg/L Cl ₂	MODIFIED DPD COLOURIMETRIC METHOD (AT SITE)	ND	-	0.1



PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			มาตรฐานการตรวจวัด T23A8674-0003		
MICROBIOLOGY					
COLIFORM BACTERIA ^b	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: 9221 B)	2,600	-	1B
SAMPLE CONDITION					
WATER'S COLOUR/TURBID SEDIMENT			YELLOW/TURBID BROWN		

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

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

^c : 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, 23rd EDITION, 2017.

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23rd 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.

(MRS PIYAPAT SUTTAMANUTWONG)
LABORATORY SUPERVISOR

FEBRUARY 14, 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 : MARCH 2, 2023

SAMPLING TIME : 10:40 HOUR

SAMPLING METHOD : GRAB, GRAB AND STERILE TECHNIQUE

SAMPLING BY : MR WEERAYUT MOKKAEW

ANALYZED BY : MISS AKSARIN BUNKONG

RECEIVED DATE : MARCH 2, 2023

ANALYTICAL DATE : MARCH 2-14, 2023

REPORT NO. : 2023-U018326

WORK NO. : 2022-008320

ANALYSIS NO. : T23AD705-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	DETECTION LIMIT
			ทั้งปริมณฑล (ระบบบำบัด) T23AD705-0001	
pH ^a	-	ELECTROMETRIC METHOD AT SITE (SM: PART 4500-H ⁺ B)	7.2 (31°C)	-
BIOCHEMICAL OXYGEN DEMAND ^a	mg/L	MEMBRANE ELECTRODE METHOD (SM: PART 4500-O ₂ G AND PART 5210 B)	113	2.0
SUSPENDED SOLIDS ^a	mg/L	SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: PART 2540 D)	58.3	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	25
SETTLEABLE SOLIDS ^c	mL/L	IMHOFF CONE (SM: PART 2540 F)	15	0.1
SULPHIDE ^c	mg/L	IODOMETRIC METHOD (SM: PART 4500-S ₂ F)	6.4	0.50
TOTAL KJELDAHL NITROGEN ^b	mg/L	IN-HOUSE METHOD: UAE.TP.WAS.001 (KJELDAHL METHOD); SM: PART 4500-Norg C	55.4	1.5
FAT, OIL AND GREASE ^c	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: PART 5520 B)	ND	3
RESIDUAL CHLORINE ^c	mg/L Cl ₂	MODIFIED DPD COLOURIMETRIC METHOD (AT SITE)	ND	0.1



PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	DETECTION LIMIT
			ถึงกับสภาพ (ระบบบำบัด) T23AD705-0001	
MICROBIOLOGY				
COLIFORM BACTERIA ^b	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B)	>160,000	1.8
FAECAL COLIFORM BACTERIA ^b	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	

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

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

^c : 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, 23rd EDITION, 2017.

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

ND : NON-DETECTABLE.



(MRS PIYAPAT SUTTAMANUTWONG)
LABORATORY SUPERVISOR

MARCH 20, 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 : MARCH 2, 2023

SAMPLING TIME : 10:45 HOUR

SAMPLING METHOD : GRAB, GRAB AND STERILE TECHNIQUE

SAMPLING BY : MR WEERAYUT MOKKAEW

ANALYZED BY : MISS AKSARIN BUNKONG

RECEIVED DATE : MARCH 2, 2023

ANALYTICAL DATE : MARCH 2-13, 2023

REPORT NO. : 2023-U018327

WORK NO. : 2022-008320

ANALYSIS NO. : T23AD705-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			ส่งน้ำใส (ระบบบำบัด) T23AD705-0002		
pH ^a	-	ELECTROMETRIC METHOD AT SITE (SM: PART 4500-H ⁺ B)	6.4 (30°C)	5-9	-
BIOCHEMICAL OXYGEN DEMAND ^a	mg/L	MEMBRANE ELECTRODE METHOD (SM: PART 4500-O ₂ G AND PART 5210 B)	22.2	≤ 20	2.0
SUSPENDED SOLIDS ^a	mg/L	SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: PART 2540 D)	40.3	≤ 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	402	500*	25
SETTLABLE SOLIDS ^c	ml/L	IMHOFF CONE (SM: PART 2540 F)	0.1	≤ 0.5	0.1
SULPHIDE ^b	mg/L	IODOMETRIC METHOD (SM: PART 4500 -S ₂ 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	8.4	≤ 35	1.5
FAT, OIL AND GREASE ^c	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: PART 5520 B)	ND	≤ 20	3
RESIDUAL CHLORINE ^c	mg/L Cl ₂	MODIFIED DPD COLOURIMETRIC METHOD (AT SITE)	ND	-	0.1



PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			สิ่งบ่งชี้ (ระบบภายใน) T23AD705-0002		
MICROBIOLOGY					
COLIFORM BACTERIA ^b	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B)	>180,000	-	18
SAMPLE CONDITION WATER'S COLOUR/TURBID SEDIMENT			YELLOW/TURBID BROWN		

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

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

^c : 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, 23RD EDITION, 2017.

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23RD 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 126 D, DATED DECEMBER 29, 2005 AND VOL. 139 SPECIAL PART 171 D, DATED JULY 21, 2022.

ND : NON-DETECTABLE.

(MRS PIYAPAT SUTTAMANUTWONG)
LABORATORY SUPERVISOR

MARCH 20, 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 : MARCH 2, 2023

SAMPLING TIME : 10:50 HOUR

SAMPLING METHOD : GRAB, GRAB AND STERILE TECHNIQUE

SAMPLING BY : MR. WEERAYUT MOKKAE W

ANALYZED BY : MISS AKSARIN BUNKONG

RECEIVED DATE : MARCH 2, 2023

ANALYTICAL DATE : MARCH 2-13, 2023

REPORT NO. : 2023-U018328

WORK NO. : 2022-008320

ANALYSIS NO. : T23AD705-0003

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			มาตรฐานคุณภาพน้ำ T23AD705-0003		
pH ^a	-	ELECTROMETRIC METHOD AT SITE (SM: PART 4500-H ⁺ B)	6.4 (30°C)	5-9	-
BIOCHEMICAL OXYGEN DEMAND ^a	mg/L	MEMBRANE ELECTRODE METHOD (SM: PART 4500-O ₂ G AND PART 5210 B)	218	≤ 20	2.0
SUSPENDED SOLIDS ^a	mg/L	SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: PART 2540 D)	36.4	≤ 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	430	500*	25
SETTLABLE SOLIDS ^c	mL/L	IMHOFF CONE (SM: PART 2540 F)	< 0.1	≤ 0.5	0.1
SULPHIDE ^b	mg/L	IODOMETRIC METHOD (SM: PART 4500-S ₂ -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	7.7	≤ 35	1.5
FAT, OIL AND GREASE ^c	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: PART 5520 B)	ND	≤ 20	3
RESIDUAL CHLORINE ^c	mg/L Cl ₂	MODIFIED DPD COLOURIMETRIC METHOD (AT SITE)	ND	-	0.1



PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			ผลการตรวจวิเคราะห์ T23AD705-0003		
MICROBIOLOGY					
COLIFORM BACTERIA ^b	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B)	35,000	-	1.8
SAMPLE CONDITION					
WATER'S COLOUR/TURBID SEDIMENT			YELLOW/TURBID BROWN		

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

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

^c : 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, 23rd EDITION, 2017.

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23rd 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.

(MRS PIYAPAT SUTTAMANUTWONG)
LABORATORY SUPERVISOR

MARCH 20, 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 WATTANA 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 : APRIL 5, 2023

SAMPLING TIME : 11:10 HOUR

SAMPLING METHOD : GRAB, GRAB AND STERILE TECHNIQUE

SAMPLING BY : MR SUKSAN BOONLEANG

ANALYZED BY : MISS AKSARIN BUNKONG

RECEIVED DATE : APRIL 5, 2023

ANALYTICAL DATE : APRIL 5-20, 2023

REPORT NO. : 2023-U029718

WORK NO. : 2022-008320

ANALYSIS NO. : T23AG157-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	DETECTION LIMIT
			ทั้งปริมณฑล (รวมค่าปกติ) T23AG157-0001	
pH ^a	-	ELECTROMETRIC METHOD AT SITE (SM: PART 4500-H ⁺ B)	7.6 (32°C)	-
BIOCHEMICAL OXYGEN DEMAND ^a	mg/L	MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	141	2.0
SUSPENDED SOLIDS ^a	mg/L	SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: PART 2540 D)	72.2	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	318	25
SETTLABLE SOLIDS ^c	mL/L	IMHOFF CONE (SM: PART 2540 F)	1.0	0.1
SULPHIDE ^b	mg/L	IODOMETRIC METHOD (SM: PART 4500-S ²⁻ F)	2.8	0.50
TOTAL KJELDAHL NITROGEN ^b	mg/L	IN-HOUSE METHOD: UAE.TP.WAS.001 (KJELDAHL METHOD); SM: PART 4500-Norg C	77.7	15
FAT, OIL AND GREASE ^a	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: PART 5520 B)	6	3
RESIDUAL CHLORINE ^d	mg/L Cl ₂	MODIFIED DPD COLOURIMETRIC METHOD (AT SITE)	ND	0.1



PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	DETECTION LIMIT
			ส่งปรัณศกการพ (รตบพำนำค) T23AG157-0001	
MICROBIOLOGY				
COLIFORM BACTERIA ^b	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B)	>160,000	1.8
FAECAL COLIFORM BACTERIA ^b	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	

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

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

^c : 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, 23rd EDITION, 2017.

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

ND : NON-DETECTABLE.

(MRS PIYAPAT SUTTAMANUTWONG)
LABORATORY SUPERVISOR

APRIL 24, 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 : APRIL 5, 2023
SAMPLING TIME : 11:15 HOUR
SAMPLING METHOD ° : GRAB, GRAB AND STERILE TECHNIQUE
SAMPLING BY ° : MR SUKSAN BOONLEANG
ANALYZED BY : MISS AKSARIN BUNKONG

RECEIVED DATE : APRIL 5, 2023
ANALYTICAL DATE : APRIL 5-20, 2023
REPORT NO. : 2023-U029719
WORK NO. : 2022-008320
ANALYSIS NO. : T23AG157-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			ดึงน้ำใส (ระบบบำบัด) T23AG157-0002		
pH °	-	ELECTROMETRIC METHOD AT SITE (SM: PART 4500-H ⁺ B)	7.1 (32°C)	5-9	-
BIOCHEMICAL OXYGEN DEMAND °	mg/L	MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	14.1	≤ 20	2.0
SUSPENDED SOLIDS °	mg/L	SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: PART 2540 D)	19.4	≤ 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	458	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 ²⁻ 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	16.0	≤ 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 ₂	MODIFIED DPD COLOURIMETRIC METHOD (AT SITE)	ND	-	0.1



PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			ตัวอย่าง (รวมผลบวก) T23AG157-0002		
MICROBIOLOGY					
COLIFORM BACTERIA ^a	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221B)	1,300	-	1.8
SAMPLE CONDITION					
WATER'S COLOUR/TURBID			YELLOW/CLEAR		
SEDIMENT			BROWN		

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

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

^c : 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, 23rd EDITION, 2017.

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23rd 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.

(MRS PIYAPAT SUTTAMANUTWONG)
LABORATORY SUPERVISOR

APRIL 24, 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 : EFFLUENT
SAMPLING DATE : APRIL 5, 2023
SAMPLING TIME : 11:20 HOUR
SAMPLING METHOD ° : GRAB, GRAB AND STERILE TECHNIQUE
SAMPLING BY ° : MR SUKSAN BOONLEANG
ANALYZED BY : MISS AKSARIN BUNKONG

RECEIVED DATE : APRIL 5, 2023
ANALYTICAL DATE : APRIL 5-20, 2023
REPORT NO. : 2023-U029720
WORK NO. : 2022-008320
ANALYSIS NO. : T23AG157-0003

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			ผลการตรวจคุณภาพน้ำ T23AG157-0003		
pH °	-	ELECTROMETRIC METHOD AT SITE (SM: PART 4500-H ⁺ B)	6.9 (32°C)	5-9	-
BIOCHEMICAL OXYGEN DEMAND °	mg/L	MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	6.9	≤ 20	2.0
SUSPENDED SOLIDS °	mg/L	SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: PART 2540 D)	10.0	≤ 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	488	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 ²⁻ 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	112	≤ 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 ₂	MODIFIED DPD COLOURIMETRIC METHOD (AT SITE)	ND	-	0.1



PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			มาตรฐานคุณภาพน้ำ T23AG157-0003		
MICROBIOLOGY					
COLIFORM BACTERIA ^b	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221B)	3,300	-	1.8
SAMPLE CONDITION					
WATER'S COLOUR/TURBID			YELLOW/CLEAR		
SEDIMENT			BROWN		

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

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

^c : 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, 23rd EDITION, 2017.

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23rd 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.

(MRS PIYAPAT SUTTAMANUTWONG)
LABORATORY SUPERVISOR

APRIL 24, 2023

ANALYSIS REPORT

PROJECT NAME : การตรวจวัดคุณภาพสิ่งแวดล้อม และการตรวจสอบการปฏิบัติตามมาตรการป้องกันและแก้ไขผลกระทบสิ่งแวดล้อม
โครงการ GRANDE CENTRE POINT HOTEL SUKHUMVIT 55 ปะจักษ์ 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 : MAY 3, 2023

SAMPLING TIME : 10:55 HOUR

SAMPLING METHOD ^a : GRAB, GRAB AND STERILE TECHNIQUE

SAMPLING BY ^o : MR SUKSAN BOONLEANG

ANALYZED BY : MISS AKSARIN BUNKONG

RECEIVED DATE : MAY 3, 2023

ANALYTICAL DATE : MAY 3-17, 2023

REPORT NO. : 2023-U036823

WORK NO. : 2022-008320

ANALYSIS NO. : T23AH899-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	DETECTION LIMIT
			ถังรับสภาพ (ระบบบำบัด) T23AH899-0001	
pH ^c	-	ELECTROMETRIC METHOD AT SITE (SM: PART 4500-H ⁺ B)	7.2 (33°C)	-
BIOCHEMICAL OXYGEN DEMAND ^a	mg/L	MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	152	2.0
SUSPENDED SOLIDS ^a	mg/L	SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: PART 2540 D)	37.6	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	376	25
SETTLEABLE SOLIDS ^c	mL/L	IMHOFF CONE (SM: PART 2540 F)	0.3	0.1
SULPHIDE ^c	mg/L	IODOMETRIC METHOD (SM: PART 4500-S ²⁻ F)	3.1	0.50
TOTAL KJELDAHL NITROGEN ^b	mg/L	IN-HOUSE METHOD: UAE.TP.WAS.001 (KJELDAHL METHOD); SM: PART 4500-Norg C	76.2	1.5
FAT, OIL AND GREASE ^c	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: PART 5520 B)	ND	3
RESIDUAL CHLORINE ^c	mg/L Cl ₂	MODIFIED DPD COLOURIMETRIC METHOD (AT SITE)	ND	0.1



PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	DETECTION LIMIT
			ถึงขั้นสกปรก (ระบมฟ้าน้ำค) T23AM899-0001	
MICROBIOLOGY				
COLIFORM BACTERIA ^b	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B)	>160,000	1.8
FAECAL COLIFORM BACTERIA ^b	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	

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

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

^c : 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, 23rd EDITION, 2017.

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

ND : NON-DETECTABLE.

(MRS PIYAPAT SUTTAMANUTWONG)
LABORATORY SUPERVISOR

MAY 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 : MAY 3, 2023
SAMPLING TIME : 11:00 HOUR
SAMPLING METHOD : GRAB, GRAB AND STERILE TECHNIQUE
SAMPLING BY : MR SUKSAN BOONLEANG
ANALYZED BY : MISS AKSARIN BUNKONG

RECEIVED DATE : MAY 3, 2023
ANALYTICAL DATE : MAY 3-17, 2023
REPORT NO. : 2023-U036824
WORK NO. : 2022-008320
ANALYSIS NO. : T23AH899-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			ส่งน้ำใส (ระบบบำบัด) T23AH899-0002		
pH ^c	-	ELECTROMETRIC METHOD AT SITE (SM: PART 4500-H ⁺ B)	6.5 (34°C)	5-9	-
BIOCHEMICAL OXYGEN DEMAND ^a	mg/L	MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	18.6	≤ 20	2.0
SUSPENDED SOLIDS ^a	mg/L	SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: PART 2540 D)	18.2	≤ 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	543	500*	25
SETTLABLE SOLIDS ^c	mL/L	IMHOFF CONE (SM: PART 2540 F)	0.2	≤ 0.5	0.1
SULPHIDE ^b	mg/L	IODOMETRIC METHOD (SM: PART 4500-S ²⁻ 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	8.0	≤ 35	1.5
FAT, OIL AND GREASE ^c	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: PART 5520 B)	ND	≤ 20	3
RESIDUAL CHLORINE ^c	mg/L Cl ₂	MODIFIED DPD COLOURIMETRIC METHOD (AT SITE)	ND	-	0.1



PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			ส่งน้ำใส (ระบอบน้ำใส) T23AH899-0002		
MICROBIOLOGY					
COLIFORM BACTERIA ^a	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B)	460	-	1.8
SAMPLE CONDITION					
WATER'S COLOUR/TURBID SEDIMENT			YELLOW/TURBID BROWN		

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

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

^c : 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, 23RD EDITION, 2017.

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23RD 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.

(MRS PIYAPAT SUTTAMANUTWONG)
LABORATORY SUPERVISOR

MAY 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 : MAY 3, 2023
SAMPLING TIME : 11:05 HOUR
SAMPLING METHOD ° : GRAB, GRAB AND STERILE TECHNIQUE
SAMPLING BY ° : MR SUKSAN BOONLEANG
ANALYZED BY : MISS AKSARIN BUNKONG

RECEIVED DATE : MAY 3, 2023
ANALYTICAL DATE : MAY 3-17, 2023
REPORT NO. : 2023-U036825
WORK NO. : 2022-008320
ANALYSIS NO. : T23AH899-0003

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			ผลการตรวจคุณภาพน้ำ T23AH899-0003		
pH °	-	ELECTROMETRIC METHOD AT SITE (SM: PART 4500-H ⁺ B)	6.2 (34°C)	5-9	-
BIOCHEMICAL OXYGEN DEMAND °	mg/L	MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	17.0	≤ 20	2.0
SUSPENDED SOLIDS °	mg/L	SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: PART 2540 D)	20.4	≤ 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	520	500*	25
SETTLABLE SOLIDS °	mL/L	IMHOFF CONE (SM: PART 2540 F)	0.3	≤ 0.5	0.1
SULPHIDE °	mg/L	IODOMETRIC METHOD (SM: PART 4500-S ²⁻ 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	6.9	≤ 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 ₂	MODIFIED DPD COLOURIMETRIC METHOD (AT SITE)	ND	-	0.1



PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			ประเทศไทย T23AH899-0003		
MICROBIOLOGY					
COLIFORM BACTERIA ^b	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221B)	2,200	-	1.8
SAMPLE CONDITION					
WATER'S COLOUR/TURBID SEDIMENT			YELLOW/TURBID BROWN		

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

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

^c : 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, 23rd EDITION, 2017.

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23rd 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.

(MRS PIYAPAT SUTTAMANUTWONG)
LABORATORY SUPERVISOR

MAY 19, 2023

ANALYSIS REPORT

PROJECT NAME : ภาพตรวจวัดคุณภาพสิ่งแวดล้อม 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 : boonkhumb@gcphotels.com

SAMPLING SOURCE : GRANDE CENTRE POINT HOTEL SUKHUMVIT 55

SAMPLE TYPE : WASTEWATER

SAMPLING DATE : JUNE 7, 2023

SAMPLING TIME : 11:50 HOUR

SAMPLING METHOD ° : GRAB, GRAB AND STERILE TECHNIQUE

SAMPLING BY ° : MR SUKSAN BOONLEANG

ANALYZED BY : MISS AKSARIN BUNKONG

RECEIVED DATE : JUNE 8, 2023

ANALYTICAL DATE : JUNE 8-20, 2023

REPORT NO. : 2023-U049394

WORK NO. : 2022-008320

ANALYSIS NO. : T23AK573-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	DETECTION LIMIT
			ส่งมอบสภาพ (ระบบบำบัด) T23AK573-0001	
pH °	-	ELECTROMETRIC METHOD AT SITE (SM: PART 4500-H ⁺ B)	7.2 (32°C)	-
BIOCHEMICAL OXYGEN DEMAND °	mg/L	MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	174	2.0
SUSPENDED SOLIDS °	mg/L	SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: PART 2540 D)	81.1	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	386	25
SETTLEABLE SOLIDS °	mL/L	IMHOFF CONE (SM: PART 2540 F)	0.5	0.1
SULPHIDE °	mg/L	IODOMETRIC METHOD (SM: PART 4500-S ²⁻ F)	3.1	0.60
TOTAL KJELDAHL NITROGEN °	mg/L	IN-HOUSE METHOD: UAE.TP.WAS.001 (KJELDAHL METHOD); SM: PART 4500-Norg C	72.1	1.5
FAT, OIL AND GREASE °	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: PART 5520 B)	8	3
RESIDUAL CHLORINE °	mg/L Cl ₂	MODIFIED DPD COLOURIMETRIC METHOD (AT SITE)	ND	0.1



PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	DETECTION LIMIT
			แจ้งปริมาณค่าพบ (ระบุหน่วยวัด) T23AK573-0001	
MICROBIOLOGY				
COLIFORM BACTERIA ^b	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B)	>160,000	1.8
FAECAL COLIFORM BACTERIA ^b	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	

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

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

^c : 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, 23rd EDITION, 2017.

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

ND : NON-DETECTABLE.

(MRS PIYAPAT SUTTAMANUTWONG)
LABORATORY SUPERVISOR

JUNE 21, 2023

ANALYSIS REPORT

PROJECT NAME : การตรวจวัดคุณภาพสิ่งแวดล้อม และการตรวจสอบการปฏิบัติตามมาตรการป้องกันและแก้ไขผลกระทบสิ่งแวดล้อม
โครงการ GRANDE CENTRE POINT HOTEL SUKHUMVIT 55 ประจำปี 2566
CUSTOMER NAME : U&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 : JUNE 7, 2023
SAMPLING TIME : 11:55 HOUR
SAMPLING METHOD ° : GRAB, GRAB AND STERILE TECHNIQUE
SAMPLING BY ° : MR SUKSAN BOONLEANG
ANALYZED BY : MISS AKSARIN BUNKONG

RECEIVED DATE : JUNE 8, 2023
ANALYTICAL DATE : JUNE 8-14, 2023
REPORT NO. : 2023-U049395
WORK NO. : 2022-008320
ANALYSIS NO. : T23AK573-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			ค่าปกติ (ระบบบำบัด) T23AK573-0002		
pH °	-	ELECTROMETRIC METHOD AT SITE (SM: PART 4500-H+ B)	6.3 (32°C)	5-9	-
BIOCHEMICAL OXYGEN DEMAND °	mg/L	MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	9.2	≤ 20	2.0
SUSPENDED SOLIDS °	mg/L	SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: PART 2540 D)	22.5	≤ 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	496	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 ²⁻ 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	5.3	≤ 35	1.5
FAT, OIL AND GREASE °	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: PART 5520 B)	3	≤ 20	3
RESIDUAL CHLORINE °	mg/L Cl ₂	MODIFIED DPD COLOURIMETRIC METHOD (AT SITE)	ND	-	0.1



PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			ส่งไปฯ (ระบบห้องปฎิบัติ) T23AK573-0002		
MICROBIOLOGY					
COLIFORM BACTERIA ^b	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B)	79	-	1.8
SAMPLE CONDITION					
WATER'S COLOUR/TURBID SEDIMENT			YELLOW/TURBID BROWN		

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

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

^c : 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, 23rd EDITION, 2017.

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23rd 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.

(MRS PIYAPAT SUTTAMANUTWONG)
LABORATORY SUPERVISOR

JUNE 21, 2023

ANALYSIS REPORT

PROJECT NAME : การตรวจวัดคุณภาพสิ่งแวดล้อม และการตรวจสอบการปฏิบัติตามมาตรฐานการป้องกันและแก้ไขผลกระทบสิ่งแวดล้อม
โครงการ GRANDE CENTRE POINT HOTEL SUKHUMVIT 55 ประจำปี 2565
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 : JUNE 7, 2023
SAMPLING TIME : 12:00 HOUR
SAMPLING METHOD ^c : GRAB, GRAB AND STERILE TECHNIQUE
SAMPLING BY ^d : MR SUKSAN BOONLEANG
ANALYZED BY : MISS AKSARIN BUNKONG

RECEIVED DATE : JUNE 8, 2023
ANALYTICAL DATE : JUNE 8-14, 2023
REPORT NO. : 2023-U049396
WORK NO. : 2022-008320
ANALYSIS NO. : T23AK573-0003

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			ปอดตรวจคุณภาพน้ำ T23AK573-0003		
pH ^c	-	ELECTROMETRIC METHOD AT SITE (SM: PART 4500-H ⁺ B)	6.1 (33°C)	5-9	-
BIOCHEMICAL OXYGEN DEMAND ^a	mg/L	MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	9.2	≤ 20	2.0
SUSPENDED SOLIDS ^a	mg/L	SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: PART 2540 D)	15.1	≤ 30	5.0
TOTAL DISSOLVED SOLIDS ^b	mg/L	IN-HOUSE METHOD: UAETP.WAO.007 (TOTAL DISSOLVED SOLIDS DRIED AT 103-105 °C); SM: PART 2540 C	503	500*	25
SETTLABLE SOLIDS ^c	mL/L	IMHOFF CONE (SM: PART 2540 F)	< 0.1	≤ 0.5	0.1
SULPHIDE ^b	mg/L	IODOMETRIC METHOD (SM: PART 4500-S ²⁻ F)	< 0.50	≤ 1.0	0.50
TOTAL KJELDAHL NITROGEN ^b	mg/L	IN-HOUSE METHOD: UAETP.WAS.001 (KJELDAHL METHOD); SM: PART 4500-Norg C	11.9	≤ 35	1.5
FAT, OIL AND GREASE ^c	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: PART 5520 B)	ND	≤ 20	3
RESIDUAL CHLORINE ^c	mg/L Cl ₂	MODIFIED DPD COLOURIMETRIC METHOD (AT SITE)	ND	-	0.1



PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			ปมตรวจคุณภาพน้ำ T23AK573-0003		
MICROBIOLOGY					
COLIFORM BACTERIA ^b	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B)	70	-	1.8
SAMPLE CONDITION					
WATER'S COLOUR/TURBID			YELLOW/TURBID		
SEDIMENT			BROWN		

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

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

^c : 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, 23rd EDITION, 2017.

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23rd 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.

(MRS PIYAPAT SUTTAMANUTWONG)
LABORATORY SUPERVISOR

JUNE 21, 2023

ภาคผนวก ค-3

ผลการติดตามตรวจสอบคุณภาพน้ำทิ้งจาก
ระบบบำบัดอากาศและระบายอากาศ

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 : 08 7083 4737 e-mail : boonkhum.b@gcphotels.com

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

SAMPLE TYPE : COOLING WATER

SAMPLING DATE : JANUARY 11, 2023

SAMPLING TIME : 10:40 HOUR

SAMPLING METHOD * : GRAB, GRAB AND STERILE TECHNIQUE

SAMPLING BY * : MR WEERAYUT MOKKAEW

ANALYZED BY : MISS SUJIRA PRASERTSUKHO

RECEIVED DATE : JANUARY 11, 2023

ANALYTICAL DATE : JANUARY 11-22, 2023

REPORT NO. : 2023-U005836

WORK NO. : 2022-008320

ANALYSIS NO. : T23AA486-0004

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	DETECTION LIMIT
			จุดนำเดินเข้าระบบ T23AA486-0004	
pH *	-	ELECTROMETRIC METHOD AT SITE (SM:4600-H* B)	8.0 (27°C)	-
RESIDUAL CHLORINE *	mg/L Cl ₂	MODIFIED DPD COLOURIMETRIC METHOD (AT SITE)	ND	0.1
MICROBIOLOGY				
COLIFORM BACTERIA *	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: 9221 B)	< 1.8	1.8
<i>Legionella</i> spp. #	CFU/L	ISO 11731:2017-05 (E)	100	-
SAMPLE CONDITION			YELLOW/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, 23rd EDITION, 2017.

ND : NON-DETECTABLE.

.....
(MISS CHAWEEWAN BOONLA)
LABORATORY SUPERVISOR

JANUARY 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 : 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** : JANUARY 11, 2023

SAMPLING DATE : JANUARY 11, 2023 **ANALYTICAL DATE** : JANUARY 11-17, 2023

SAMPLING TIME : 10:35 HOUR **REPORT NO.** : 2023-U005838

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

SAMPLING BY : MR WEERAYUT MOKKAEW **ANALYSIS NO.** : T23AA486-0005

ANALYZED BY : MISS KAMICA CHODSOMBAT

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	DETECTION LIMIT
			ตัวอย่างรับ (COOLING TOWER) T23AA486-0005	
pH	-	ELECTROMETRIC METHOD AT SITE (SM:4500-H ⁺ B)	8.7 (27°C)	-
RESIDUAL CHLORINE	mg/L Cl ₂	MODIFIED DPD COLOURIMETRIC METHOD (AT SITE)	ND	0.1
MICROBIOLOGY				
COLIFORM BACTERIA	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: 9221 B)	33	1.8
SAMPLE CONDITION				
WATER'S COLOUR/TURBID			YELLOW/CLEAR	
SEDIMENT			YELLOW	

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

ND : NON-DETECTABLE.

(MISS CHAWEEWAN BOONLA)
LABORATORY SUPERVISOR

JANUARY 27, 2023



ANALYSIS REPORT

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

CUSTOMER NAME : L&H HOTEL MANAGEMENT COMPANY LIMITED

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

CONTACT INFORMATION : TEL : 08 7083 4737 e-mail : boonkhum.b@gcphotels.com

SAMPLING SOURCE : GRANDE CENTRE POINT HOTEL SUKHUMVIT 55

SAMPLE TYPE : COOLING WATER

SAMPLING DATE : JANUARY 11, 2023

SAMPLING TIME : 10:45 HOUR

SAMPLING METHOD * : GRAB, GRAB AND STERILE TECHNIQUE

SAMPLING BY * : MR WEERAYUT MOKKAEW

ANALYZED BY : MISS KAMICA CHOOSOMBAT

RECEIVED DATE : JANUARY 11, 2023

ANALYTICAL DATE : JANUARY 11-23, 2023

REPORT NO. : 2023-U005839

WORK NO. : 2022-008320

ANALYSIS NO. : T23AA486-0006

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			ห่อผ้าตั้งจากหอตั้ง เย็น (COOLING TOWER) T23AA486-0006		
pH *	-	ELECTROMETRIC METHOD AT SITE (SM:4500-H* B)	8.6 (27°C)	-	-
RESIDUAL CHLORINE *	mg/L Cl ₂	MODIFIED DPD COLOURIMETRIC METHOD (AT SITE)	ND	-	0.1
MICROBIOLOGY					
COLIFORM BACTERIA *	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: 9221B)	110	-	1.8
<i>Legionella</i> spp. #	CFU/L	ISO 11731:2017-05 (E)	4,700	NOT DETECTED	-
SAMPLE CONDITION WATER'S COLOUR/TURBID SEDIMENT			YELLOW/CLEAR		

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

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

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

ND : NON-DETECTABLE.

(MISS CHAWEEWAN BOONLA)
LABORATORY SUPERVISOR

JANUARY 27, 2023



ภาคผนวก ค-4
ผลการติดตามตรวจสอบคุณภาพน้ำ
ในสระว่ายนํ้า

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 : 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 : JANUARY 6, 2023
SAMPLING TIME : 10:30 HOUR
SAMPLING METHOD ^a : GRAB AND STERILE TECHNIQUE
SAMPLING BY ^a : MR WEERAYUT MOKKAEW
ANALYZED BY : MISS ITSARIYAPORN BUATIB

RECEIVED DATE : JANUARY 6, 2023
ANALYTICAL DATE : JANUARY 6-9, 2023
REPORT NO. : 2023-U002888
WORK NO. : 2022-008320
ANALYSIS NO. : T23AA182-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (DEEP ZONE) T23AA182-0001		
MICROBIOLOGY					
COLIFORM BACTERIA ^b	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: 9221B)	< 1.1	< 10	1.1
<i>E. coli</i> ^b	/100 mL	FLUOROGENIC SUBSTRATE TEST (SM: 9221D AND F)	NOT DETECTED	NOT DETECTED	-
<i>Pseudomonas aeruginosa</i> ^c	/100 mL	MEMBRANE FILTER TECHNIQUE (ISO 16266)	NOT DETECTED	✓	-
SAMPLE CONDITION WATER'S COLOUR/TURBID SEDIMENT			COLOURLESS/CLEAR -		

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

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

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

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

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

✓ : DISEASE-CAUSING BACTERIA IS NOT DETECTED.

(MISS CHAWEEWAN BOONLA)
LABORATORY SUPERVISOR

JANUARY 16, 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 : 08 7083 4737 e-mail : boonkhumb@gcphotels.com
SAMPLING SOURCE : GRANDE CENTRE POINT HOTEL SUKHUMVIT 55
SAMPLE TYPE : WATER SAMPLE FROM SWIMMING POOL
SAMPLING DATE : JANUARY 6, 2023
SAMPLING TIME : 10:30 HOUR
SAMPLING METHOD * : GRAB AND STERILE TECHNIQUE
SAMPLING BY * : MR WEERAYUT MOKKAEW
ANALYZED BY : MISS ITSARIYAPORN BUATIB

RECEIVED DATE : JANUARY 6, 2023
ANALYTICAL DATE : JANUARY 6-9, 2023
REPORT NO. : 2023-U002889
WORK NO. : 2022-008320
ANALYSIS NO. : T23AA182-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (DEEP ZONE) T23AA182-0001		
MICROBIOLOGY					
<i>Staphylococcus aureus</i> #	/100 mL	MEMBRANE FILTER TECHNIQUE (SM 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, 23rd EDITION, 2017.
REGULATORY STANDARD : BANGKOK METROPOLITAN REGULATIONS FOR THE BUSINESS DISTRIKTAL TO HEALTH, B.E. 2530 (1987).
1/ : DISEASE-CAUSING BACTERIA IS NOT DETECTED.

(MISS CHAWEEWAN BOONLA)
LABORATORY SUPERVISOR

JANUARY 16, 2023



ANALYSIS REPORT

PROJECT NAME : การตรวจวัดคุณภาพสิ่งแวดล้อม และการตรวจสอบการปฏิบัติตามมาตรฐานท้องถิ่นและแก้ไขผลกระทบสิ่งแวดล้อม
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 : 08 7083 4737 e-mail : boonkhum.b@gcp-hotels.com
SAMPLING SOURCE : GRANDE CENTRE POINT HOTEL SUKHUMVIT 55
SAMPLE TYPE : WATER SAMPLE FROM SWIMMING POOL
SAMPLING DATE : JANUARY 6, 2023
SAMPLING TIME : 10:35 HOUR
SAMPLING METHOD ° : GRAB AND STERILE TECHNIQUE
SAMPLING BY ° : MR WEERAYUT MOKKAEW
ANALYZED BY : MISS ITSARIYAPORN BUATIB

RECEIVED DATE : JANUARY 6, 2023
ANALYTICAL DATE : JANUARY 6-10, 2023
REPORT NO. : 2023-U002B90
WORK NO. : 2022-008320
ANALYSIS NO. : T23AA182-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (SHALLOW ZONE) T23AA182-0002		
TOTAL DISSOLVED SOLIDS °	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: 2540 C)	3,556	-	25
MICROBIOLOGY					
COLIFORM BACTERIA °	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: 9221B)	< 1.1	< 10	1.1
<i>E. coli</i> °	/100 mL	FLUOROGENIC SUBSTRATE TEST (SM: 9221D AND F)	NOT DETECTED	NOT DETECTED	-
<i>Pseudomonas aeruginosa</i> °	/100 mL	MEMBRANE FILTER TECHNIQUE (ISO 16266)	NOT DETECTED	✓	-
SAMPLE CONDITION 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, 23rd EDITION, 2017.

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

✓ : DISEASE-CAUSING BACTERIA IS NOT DETECTED.

(MISS CHAWEEWAN BOONLA)
LABORATORY SUPERVISOR

JANUARY 16, 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 : 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 : JANUARY 6, 2023
SAMPLING TIME : 10:35 HOUR
SAMPLING METHOD * : GRAB AND STERILE TECHNIQUE
SAMPLING BY * : MR WEERAYUT MOKKAEW
ANALYZED BY : MISS ITSARJYAPORN BUATIB

RECEIVED DATE : JANUARY 6, 2023
ANALYTICAL DATE : JANUARY 6-9, 2023
REPORT NO. : 2023-U002891
WORK NO. : 2022-008320
ANALYSIS NO. : T23AA182-0002

ANALYZED BY : MISS TSANTAPORN BORTID					
PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (SHALLOW ZONE) T23AA182-0002		
MICROBIOLOGY					
<i>Staphylococcus aureus</i> #	/100 mL	MEMBRANE FILTER TECHNIQUE (SM: 9213 B)	NOT DETECTED	1	-
SAMPLE CONDITION			COLOURLESS/CLEAR -		
WATER'S COLOUR/TURBID					
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, 23rd EDITION, 2017.
REGULATORY STANDARD : BANGKOK METROPOLITAN REGULATIONS FOR THE BUSINESS DISTRIMENTAL TO HEALTH, B.E. 2530 (1987).
1 : DISEASE-CAUSING BACTERIA IS NOT DETECTED.

(MISS CHAWEEWAN BOONLA)
LABORATORY SUPERVISOR

JANUARY 16, 2023



ANALYSIS REPORT

PROJECT NAME : การตรวจวัดคุณภาพสิ่งแวดล้อม และการตรวจสอบการปฏิบัติตามมาตรฐานการป้องกันและแก้ไขผลกระทบต่อสิ่งแวดล้อม
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 : 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 : JANUARY 11, 2023
SAMPLING TIME : 10:50 HOUR
SAMPLING METHOD ° : GRAB AND STERILE TECHNIQUE
SAMPLING BY ° : MR WEERAYUT MOKKAEW
ANALYZED BY : MISS ITSARIYAPORN BUATIB

RECEIVED DATE : JANUARY 11, 2023
ANALYTICAL DATE : JANUARY 11-15, 2023
REPORT NO. : 2023-U005840
WORK NO. : 2022-008320
ANALYSIS NO. : T23AA486-0007

ANALYZED BY : MISS ISHAKHARI GRN DEVI					
PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (DEEP ZONE) T23AA486-0007		
MICROBIOLOGY					
COLIFORM BACTERIA ^b	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: 9221 B)	< 1.1	< 10	1.1
<i>E. coli</i> ^b	/100 mL	FLUOROGENIC SUBSTRATE TEST (SM: 9221 D AND F)	NOT DETECTED	NOT DETECTED	-
<i>Pseudomonas aeruginosa</i> ^c	/100 mL	MEMBRANE FILTER TECHNIQUE (ISO 18266)	DETECTED	1/	-
SAMPLE CONDITION WATER'S COLOUR/TURBID SEDIMENT			COLOURLESS/CLEAR -		

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

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

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

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

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

1/ : DISEASE-CAUSING BACTERIA IS NOT DETECTED.

(MISS CHAWEEWAN BOONLA)
LABORATORY SUPERVISOR

JANUARY 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 : 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 : JANUARY 11, 2023
SAMPLING TIME : 10:50 HOUR
SAMPLING METHOD * : GRAB AND STERILE TECHNIQUE
SAMPLING BY * : MR. WEERAYUT MOKKAEW
ANALYZED BY : MISS SUJIRA PRASERTSU KHO

RECEIVED DATE : JANUARY 11, 2023
ANALYTICAL DATE : JANUARY 11-15, 2023
REPORT NO. : 2023-U005841
WORK NO. : 2022-008320
ANALYSIS NO. : T23AA486-0007

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (DEEP ZONE) T23AA486-0007		
MICROBIOLOGY					
<i>Staphylococcus aureus</i> #	/100 mL	MEMBRANE FILTER TECHNIQUE (SM: 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, 23rd EDITION, 2017.

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

1/ : DISEASE-CAUSING BACTERIA IS NOT DETECTED.

(MISS CHAWEEWAN BOONLA)
LABORATORY SUPERVISOR

JANUARY 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 WATTANA BANGKOK 10110
CONTACT INFORMATION : TEL : 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 : JANUARY 11, 2023
SAMPLING TIME : 10:55 HOUR
SAMPLING METHOD ^a : GRAB, GRAB AND STERILE TECHNIQUE
SAMPLING BY ^a : MR WEERAYUT MOKKAEW
ANALYZED BY : MISS ITSARIYAPORN BUATTI

RECEIVED DATE : JANUARY 11, 2023
ANALYTICAL DATE : JANUARY 11-16, 2023
REPORT NO. : 2023-U005842
WORK NO. : 2022-008320
ANALYSIS NO. : T23AA486-0008

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (SHALLOW ZONE) T23AA486-0008		
TOTAL DISSOLVED SOLIDS ^a	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: 2540 C)	3.489	-	25
MICROBIOLOGY					
COLIFORM BACTERIA ^b	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: 9221B)	< 1.1	< 10	1.1
<i>E. coli</i> ^b	/100 mL	FLUOROGENIC SUBSTRATE TEST (SM: 9221 D AND F)	NOT DETECTED	NOT DETECTED	-
<i>Pseudomonas aeruginosa</i> ^c	/100 mL	MEMBRANE FILTER TECHNIQUE (ISO 16286)	DETECTED	✓	-
SAMPLE CONDITION WATER'S COLOUR/TURBID SEDIMENT			COLOURLESS/CLEAR -		

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

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

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

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

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

✓ : DISEASE-CAUSING BACTERIA IS NOT DETECTED.

(MISS CHAWEEWAN BOONLA)
LABORATORY SUPERVISOR

JANUARY 27, 2023



ANALYSIS REPORT

PROJECT NAME : การตรวจวัดคุณภาพสิ่งแวดล้อม และการตรวจสอบการปฏิบัติตามมาตรฐานการป้องกันและแก้ไขผลกระทบต่อสิ่งแวดล้อม
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 : 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 : JANUARY 11, 2023
SAMPLING TIME : 10:55 HOUR
SAMPLING METHOD * : GRAB, GRAB AND STERILE TECHNIQUE
SAMPLING BY * : MR WEERAYUT MOKKAEW
ANALYZED BY : MISS SUJIRA PRASERTSU KHO

RECEIVED DATE : JANUARY 11, 2023
ANALYTICAL DATE : JANUARY 11-15, 2023
REPORT NO. : 2023-U005843
WORK NO. : 2022-008320
ANALYSIS NO. : T23AA486-0008

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (SHALLOW ZONE) T23AA486-0008		
MICROBIOLOGY					
<i>Staphylococcus aureus</i> #	/100 mL	MEMBRANE FILTER TECHNIQUE (SM: 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, 23rd EDITION, 2017.

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

1/ : DISEASE-CAUSING BACTERIA IS NOT DETECTED.

(MISS CHAWEEWAN BOONLA)
LABORATORY SUPERVISOR

JANUARY 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 : 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 : JANUARY 18, 2023
SAMPLING TIME : 10:15 HOUR
SAMPLING METHOD : GRAB AND STERILE TECHNIQUE
SAMPLING BY : MR WEERAYUT MOKKAEW
ANALYZED BY : MISS ITSARIYAPORN BUATIB

RECEIVED DATE : JANUARY 18, 2023
ANALYTICAL DATE : JANUARY 18-23, 2023
REPORT NO. : 2023-U006471
WORK NO. : 2022-008320
ANALYSIS NO. : T23AA882-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (DEEP ZONE) T23AA882-0001		
MICROBIOLOGY					
COLIFORM BACTERIA ^b	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: 9221 B)	< 1.1	< 10	1.1
<i>E. coli</i> ^b	/100 mL	FLUOROGENIC SUBSTRATE TEST (SM: 8221D AND F)	NOT DETECTED	NOT DETECTED	-
<i>Pseudomonas aeruginosa</i> ^c	/100 mL	MEMBRANE FILTER TECHNIQUE (ISO 16286)	NOT DETECTED	✓	-
SAMPLE CONDITION WATER'S COLOUR/TURBID SEDIMENT			COLOURLESS/CLEAR -		

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

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

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

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

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

✓ : DISEASE-CAUSING BACTERIA IS NOT DETECTED.

(MISS CHAWEEWAN BOONLA)
LABORATORY SUPERVISOR

JANUARY 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 : 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 : JANUARY 18, 2023

SAMPLING TIME : 10:15 HOUR

SAMPLING METHOD * : GRAB AND STERILE TECHNIQUE

SAMPLING BY * : MR WEERAYUT MOKKAEW

ANALYZED BY : MISS SUJIRA PRASERTSUKHO

RECEIVED DATE : JANUARY 18, 2023

ANALYTICAL DATE : JANUARY 18-22, 2023

REPORT NO. : 2023-U006472

WORK NO. : 2022-008320

ANALYSIS NO. : T23AA882-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (DEEP ZONE) T23AA882-0001		
MICROBIOLOGY					
<i>Staphylococcus aureus</i> #	/100 mL	MEMBRANE FILTER TECHNIQUE (SM: 9213 B)	NOT DETECTED	1/	-
SAMPLE CONDITION			COLOURLESS/CLEAR -		
WATER'S COLOUR/TURBID					
SEDIMENT					

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

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23rd 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]

(MISS CHAWEEWAN BOONLA)
LABORATORY SUPERVISOR

JANUARY 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 : 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 : JANUARY 18, 2023
SAMPLING TIME : 10:20 HOUR
SAMPLING METHOD ° : GRAB, GRAB AND STERILE TECHNIQUE
SAMPLING BY ° : MR WEERAYUT MOKKAEW
ANALYZED BY : MISS ITSARIYAPORN BUATIB

RECEIVED DATE : JANUARY 18, 2023
ANALYTICAL DATE : JANUARY 18-22, 2023
REPORT NO. : 2023-U006473
WORK NO. : 2022-008320
ANALYSIS NO. : T23AA882-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (SHALLOW ZONE) T23AA882-0002		
TOTAL DISSOLVED SOLIDS °	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: 2540 C)	3,332	-	25
MICROBIOLOGY					
COLIFORM BACTERIA °	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: 9221 B)	< 1.1	< 10	1.1
<i>E. coli</i> °	/100 mL	FLUOROGENIC SUBSTRATE TEST (SM: 9221 D AND F)	NOT DETECTED	NOT DETECTED	-
<i>Pseudomonas aeruginosa</i> °	/100 mL	MEMBRANE FILTER TECHNIQUE (ISO 16266)	DETECTED	1/	-
SAMPLE CONDITION 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, 23rd EDITION, 2017.

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

1/ : DISEASE-CAUSING BACTERIA IS NOT DETECTED.

(MISS CHAWEEWAN BOONLA)
LABORATORY SUPERVISOR

JANUARY 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 : 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 : JANUARY 18, 2023

SAMPLING TIME : 10:20 HOUR

SAMPLING METHOD * : GRAB, GRAB AND STERILE TECHNIQUE

SAMPLING BY * : MR WEERAYUT MOKKAEW

ANALYZED BY : MISS SUJIRA PRASERTSUKHO

RECEIVED DATE : JANUARY 18, 2023

ANALYTICAL DATE : JANUARY 18-22, 2023

REPORT NO. : 2023-U006474

WORK NO. : 2022-008320

ANALYSIS NO. : T23AA882-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (SHALLOW ZONE) T23AA882-0002		
MICROBIOLOGY					
<i>Staphylococcus aureus</i> #	/100 mL	MEMBRANE FILTER TECHNIQUE (SM: 9213 B)	NOT DETECTED	✓	-
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, 23rd EDITION, 2017.
REGULATORY STANDARD : BANGKOK METROPOLITAN REGULATIONS FOR THE BUSINESS DISTRIENTAL TO HEALTH, B.E. 2530 (1987).
✓ : DISEASE-CAUSING BACTERIA IS NOT DETECTED.

(MISS CHAWEEWAN BOONLA)
LABORATORY SUPERVISOR

JANUARY 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 WATTANA BANGKOK 10110
CONTACT INFORMATION : TEL : 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 : JANUARY 25, 2023
SAMPLING TIME : 10:00 HOUR
SAMPLING METHOD ^a : GRAB AND STERILE TECHNIQUE
SAMPLING BY ^c : MR WEERAYUT MOKKAEW
ANALYZED BY : MISS ITSARIYAPORN BUATIB

RECEIVED DATE : JANUARY 25, 2023
ANALYTICAL DATE : JANUARY 25 - FEBRUARY 1, 2023
REPORT NO. : 2023-U008262
WORK NO. : 2022-008320
ANALYSIS NO. : T23AB300-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (DEEP ZONE) T23AB300-0001		
MICROBIOLOGY					
COLIFORM BACTERIA ^b	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: 9221 B)	>23	< 10	1.1
<i>E. coli</i> ^b	/100 mL	FLUOROGENIC SUBSTRATE TEST (SM: 9221 D AND F)	DETECTED	NOT DETECTED	-
<i>Pseudomonas aeruginosa</i> ^c	/100 mL	MEMBRANE FILTER TECHNIQUE (ISO 15266)	DETECTED	1/	-
SAMPLE CONDITION WATER'S COLOUR/TURBID SEDIMENT			COLOURLESS/CLEAR -		

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

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

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

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

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

1/ : DISEASE-CAUSING BACTERIA IS NOT DETECTED.

(MISS CHAWEEWAN BOONLA)
LABORATORY SUPERVISOR

FEBRUARY 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 : 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 : JANUARY 25, 2023
SAMPLING TIME : 10:00 HOUR
SAMPLING METHOD * : GRAB AND STERILE TECHNIQUE
SAMPLING BY * : MR WEERAYUT MOKKAEW
ANALYZED BY : MISS JITSAMON NGAMKANA

RECEIVED DATE : JANUARY 25, 2023
ANALYTICAL DATE : JANUARY 25-29, 2023
REPORT NO. : 2023-U008264
WORK NO. : 2022-008320
ANALYSIS NO. : T23AB300-0001

ANALYZED BY : MISS JITSARON NGAMKAR					
PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (DEEP ZONE) T23AB300-0001		
MICROBIOLOGY					
<i>Staphylococcus aureus</i> #	/100 mL	MEMBRANE FILTER TECHNIQUE (SM: 9213 B)	NOT DETECTED	1/	-
SAMPLE CONDITION					
WATER'S COLOUR/TURBID			COLOURLESS/CLEAR		
SEDIMENT			-		

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

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

(MISS CHAWEEWAN BOONLA)
LABORATORY SUPERVISOR

FEBRUARY 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 WATTANA BANGKOK 10110

CONTACT INFORMATION : TEL : 08 7083 4737 e-mail : boonkhumb@gcphotels.com

SAMPLING SOURCE : GRANDE CENTRE POINT HOTEL SUKHUMVIT 55

SAMPLE TYPE : WATER SAMPLE FROM SWIMMING POOL

SAMPLING DATE : JANUARY 25, 2023

SAMPLING TIME : 10:10 HOUR

SAMPLING METHOD ^a : GRAB, GRAB AND STERILE TECHNIQUE

SAMPLING BY ^c : MR. WEERAYUT MOKKAEW

ANALYZED BY : MISS ITSARIYAPORN BUATIB

RECEIVED DATE : JANUARY 25, 2023

ANALYTICAL DATE : JANUARY 25 - FEBRUARY 1, 2023

REPORT NO. : 2023-U008266

WORK NO. : 2022-008320

ANALYSIS NO. : T23AB300-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (SHALLOW ZONE) T23AB300-0002		
TOTAL DISSOLVED SOLIDS ^c	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: 2540 C)	242	-	25
MICROBIOLOGY					
COLIFORM BACTERIA ^b	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: 9221B)	>23	< 10	1.1
<i>E. coli</i> ^b	/100 mL	FLUOROGENIC SUBSTRATE TEST (SM: 9221D AND F)	DETECTED	NOT DETECTED	-
<i>Pseudomonas aeruginosa</i> ^c	/100 mL	MEMBRANE FILTER TECHNIQUE (ISO 16266)	DETECTED	✓	-
SAMPLE CONDITION WATER'S COLOUR/TURBID SEDIMENT			COLOURLESS/CLEAR -		

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

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

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

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

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

✓ : DISEASE-CAUSING BACTERIA IS NOT DETECTED.

(MISS CHAWEEWAN BOONLA)
LABORATORY SUPERVISOR

FEBRUARY 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 WATTANA BANGKOK 10110

CONTACT INFORMATION : TEL : 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 : JANUARY 25, 2023

SAMPLING TIME : 10:10 HOUR

SAMPLING METHOD * : GRAB, GRAB AND STERILE TECHNIQUE

SAMPLING BY * : MR WEERAYUT MOKKAEW

ANALYZED BY : MISS JITSAMON NGAMKANA

RECEIVED DATE : JANUARY 25, 2023

ANALYTICAL DATE : JANUARY 25-29, 2023

REPORT NO. : 2023-U008268

WORK NO. : 2022-008320

ANALYSIS NO. : T23AB300-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (SHALLOW ZONE) T23AB300-0002		
MICROBIOLOGY					
<i>Staphylococcus aureus</i> #	/100 mL	MEMBRANE FILTER TECHNIQUE (SM 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, 23rd EDITION, 2017.
REGULATORY STANDARD : BANGKOK METROPOLITAN REGULATIONS FOR THE BUSINESS DISTRIKTAL TO HEALTH, B.E. 2530 (1987).
1/ : DISEASE-CAUSING BACTERIA IS NOT DETECTED.

.....
(MISS CHAWEEWAN BOONLA)
LABORATORY SUPERVISOR

FEBRUARY 8, 2023



ANALYSIS REPORT

PROJECT NAME : การตรวจวัดคุณภาพสิ่งแวดล้อม และการตรวจสอบการปฏิบัติตามมาตรฐานการป้องกันและแก้ไขผลกระทบต่อสิ่งแวดล้อม
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 : 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 : FEBRUARY 1, 2023
SAMPLING TIME : 11:00 HOUR
SAMPLING METHOD * : GRAB AND STERILE TECHNIQUE
SAMPLING BY * : MR WEERAYUT MOKKAEW
ANALYZED BY : MISS KAMICA CHOOSOMBAT

RECEIVED DATE : FEBRUARY 1, 2023
ANALYTICAL DATE : FEBRUARY 1-5, 2023
REPORT NO. : 2023-U009807
WORK NO. : 2022-008320
ANALYSIS NO. : T23AB674-0004

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (DEEP ZONE) T23AB674-0004		
MICROBIOLOGY					
<i>Staphylococcus aureus</i> #	/100 mL	MEMBRANE FILTER TECHNIQUE (SM: 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, 23rd EDITION, 2017.
REGULATORY STANDARD : BANGKOK METROPOLITAN REGULATIONS FOR THE BUSINESS DISTRIENTAL TO HEALTH, B.E. 2530 (1987).
1/ : DISEASE-CAUSING BACTERIA IS NOT DETECTED.



(MISS CHAWEEWAN BOONLA)
LABORATORY SUPERVISOR

FEBRUARY 14, 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 : 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 : FEBRUARY 1, 2023
SAMPLING TIME : 11:00 HOUR
SAMPLING METHOD ° : GRAB AND STERILE TECHNIQUE
SAMPLING BY ° : MR. WEERAYUT MOKKAEW
ANALYZED BY : MISS ITSARIYAPORN BUATIB

RECEIVED DATE : FEBRUARY 1, 2023
ANALYTICAL DATE : FEBRUARY 1-5, 2023
REPORT NO. : 2023-U009806
WORK NO. : 2022-008320
ANALYSIS NO. : T23AB674-0004

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (DEEP ZONE) T23AB674-0004		
MICROBIOLOGY					
COLIFORM BACTERIA ^b	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: 9221B)	< 1.1	< 10	1.1
<i>E. coli</i> ^b	/100 mL	FLUOROGENIC SUBSTRATE TEST (SM: 9221 D AND F)	NOT DETECTED	NOT DETECTED	-
<i>Pseudomonas aeruginosa</i> ^c	/100 mL	MEMBRANE FILTER TECHNIQUE (ISO 16266)	NOT DETECTED	1/	-
SAMPLE CONDITION					
WATER'S COLOUR/TURBID			COLOURLESS/CLEAR		
SEDIMENT			-		

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

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

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

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

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

1/ : DISEASE-CAUSING BACTERIA IS NOT DETECTED.

(MISS CHAWEEWAN BOONLA)
LABORATORY SUPERVISOR

FEBRUARY 14, 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 : 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 : FEBRUARY 1, 2023
SAMPLING TIME : 11:05 HOUR
SAMPLING METHOD ° : GRAB, GRAB AND STERILE TECHNIQUE
SAMPLING BY ° : MR WEERAYUT MOKKAEW
ANALYZED BY : MISS ITSARIYAPORN BUATIB

RECEIVED DATE : FEBRUARY 1, 2023
ANALYTICAL DATE : FEBRUARY 1-6, 2023
REPORT NO. : 2023-U009808
WORK NO. : 2022-008320
ANALYSIS NO. : T23AB674-0005

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (SHALLOW ZONE) T23AB674-0005		
TOTAL DISSOLVED SOLIDS °	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: 2540 C)	3,753	-	25
MICROBIOLOGY					
COLIFORM BACTERIA °	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: 9221 B)	< 1.1	< 10	1.1
<i>E. coli</i> °	/100 mL	FLUOROGENIC SUBSTRATE TEST (SM: 9221 D AND F)	NOT DETECTED	NOT DETECTED	-
<i>Pseudomonas aeruginosa</i> °	/100 mL	MEMBRANE FILTER TECHNIQUE (ISO 16266)	NOT DETECTED	✓	-
SAMPLE CONDITION 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, 23rd EDITION, 2017.

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

✓ : DISEASE-CAUSING BACTERIA IS NOT DETECTED.

(MISS CHAWEEWAN BOONLA)
LABORATORY SUPERVISOR

FEBRUARY 14, 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 : 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 : FEBRUARY 1, 2023
SAMPLING TIME : 11:05 HOUR
SAMPLING METHOD * : GRAB AND STERILE TECHNIQUE
SAMPLING BY * : MR WEERAYUT MOKKAEW
ANALYZED BY : MISS KAMICA CHOOSOMBAT

RECEIVED DATE : FEBRUARY 1, 2023
ANALYTICAL DATE : FEBRUARY 1-5, 2023
REPORT NO. : 2023-U009810
WORK NO. : 2022-008320
ANALYSIS NO. : T23AB674-0005

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (SHALLOW ZONE) T23AB674-0005		
MICROBIOLOGY					
<i>Staphylococcus aureus</i> #	/100 mL	MEMBRANE FILTER TECHNIQUE (SM 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, 23RD EDITION, 2017.
REGULATORY STANDARD : BANGKOK METROPOLITAN REGULATIONS FOR THE BUSINESS DISTRIMENTAL TO HEALTH, B.E. 2530 (1987).
1/ : DISEASE-CAUSING BACTERIA IS NOT DETECTED.

(MISS CHAWEEWAN BOONLA)
LABORATORY SUPERVISOR

FEBRUARY 14, 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@gcp-hotels.com

SAMPLING SOURCE : GRANDE CENTRE POINT HOTEL SUKHUMVIT 55

SAMPLE TYPE : WATER SAMPLE FROM SWIMMING POOL

SAMPLING DATE : FEBRUARY 8, 2023

SAMPLING TIME : 10:40 HOUR

SAMPLING METHOD ^a : GRAB AND STERILE TECHNIQUE

SAMPLING BY ^a : MR WEERAYUT MOKKAEW

ANALYZED BY : MISS ITSARJYAPORN BUATIB

RECEIVED DATE : FEBRUARY 8, 2023

ANALYTICAL DATE : FEBRUARY 8-12, 2023

REPORT NO. : 2023-U011086

WORK NO. : 2022-008320

ANALYSIS NO. : T23AC137-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (DEEP ZONE) T23AC137-0001		
MICROBIOLOGY					
COLIFORM BACTERIA ^b	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: 9221B)	< 1.1	< 10	1.1
<i>E. coli</i> ^b	/100 mL	FLUOROGENIC SUBSTRATE TEST (SM: 9221 D AND F)	NOT DETECTED	NOT DETECTED	-
<i>Pseudomonas aeruginosa</i> ^c	/100 mL	MEMBRANE FILTER TECHNIQUE (ISO 16266)	NOT DETECTED	1/	-
SAMPLE CONDITION WATER'S COLOUR/TURBID SEDIMENT			COLOURLESS/CLEAR -		

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

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

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

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

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

1/ : DISEASE-CAUSING BACTERIA IS NOT DETECTED.

(MISS CHAWEEWAN BOONLA)
LABORATORY SUPERVISOR

FEBRUARY 17, 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 : FEBRUARY 8, 2023
SAMPLING TIME : 10:40 HOUR
SAMPLING METHOD * : GRAB AND STERILE TECHNIQUE
SAMPLING BY * : MR WEERAYUT MOKKAEW
ANALYZED BY : MISS KAMICA CHOOSOMBAT

RECEIVED DATE : FEBRUARY 8, 2023
ANALYTICAL DATE : FEBRUARY 8-12, 2023
REPORT NO. : 2023-U011087
WORK NO. : 2022-008320
ANALYSIS NO. : T23AC137-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (DEEP ZONE) T23AC137-0001		
MICROBIOLOGY					
Staphylococcus aureus #	/100 mL	MEMBRANE FILTER TECHNIQUE (SM: 8213 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, 23rd EDITION, 2017.

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

1/ : DISEASE-CAUSING BACTERIA IS NOT DETECTED.

(MISS CHAWEEWAN BOONLA)
LABORATORY SUPERVISOR

FEBRUARY 17, 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 : FEBRUARY 8, 2023

SAMPLING TIME : 10:45 HOUR

SAMPLING METHOD ° : GRAB, GRAB AND STERILE TECHNIQUE

SAMPLING BY ° : MR WEERAYUT MOKKAEW

ANALYZED BY : MISS ITSARIYAPORN BUATIB

RECEIVED DATE : FEBRUARY 8, 2023

ANALYTICAL DATE : FEBRUARY 8-12, 2023

REPORT NO. : 2023-U011088

WORK NO. : 2022-008320

ANALYSIS NO. : T23AC137-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (SHALLOW ZONE) T23AC137-0002		
TOTAL DISSOLVED SOLIDS °	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM. 2540 C)	3,775	-	25
MICROBIOLOGY					
COLIFORM BACTERIA °	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM. 9221 B)	< 1.1	< 10	11
<i>E. coli</i> °	/100 mL	FLUOROGENIC SUBSTRATE TEST (SM. 9221 D AND F)	NOT DETECTED	NOT DETECTED	-
<i>Pseudomonas aeruginosa</i> °	/100 mL	MEMBRANE FILTER TECHNIQUE (ISO 16266)	NOT DETECTED	1/	-
SAMPLE CONDITION 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, 23rd EDITION, 2017.

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

1/ : DISEASE-CAUSING BACTERIA IS NOT DETECTED.

(MISS CHAWEEWAN BOONLA)
LABORATORY SUPERVISOR

FEBRUARY 17, 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 : FEBRUARY 8, 2023
SAMPLING TIME : 10:45 HOUR
SAMPLING METHOD * : GRAB AND STERILE TECHNIQUE
SAMPLING BY * : MR WEERAYUT MOKKAEW
ANALYZED BY : MISS KAMICA CHOOSOMBAT

RECEIVED DATE : FEBRUARY 8, 2023
ANALYTICAL DATE : FEBRUARY 8-12, 2023
REPORT NO. : 2023-U011089
WORK NO. : 2022-008320
ANALYSIS NO. : T23AC137-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (SHALLOW ZONE) T23AC137-0002		
MICROBIOLOGY					
<i>Staphylococcus aureus</i> #	/100 mL	MEMBRANE FILTER TECHNIQUE (SM: 9213 B)	NOT DETECTED	1/	-
SAMPLE CONDITION WATER'S COLOUR/TURBID SEDIMENT			COLOURLESS/CLEAR		

: 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, 23RD 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]

(MISS CHAWEEWAN BOONLA)
LABORATORY SUPERVISOR

FEBRUARY 17, 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 : FEBRUARY 15, 2023
SAMPLING TIME : 14:40 HOUR
SAMPLING METHOD ^a : GRAB AND STERILE TECHNIQUE
SAMPLING BY ^a : MR WEERAYUT MOKKAEW
ANALYZED BY : MISS ITSARIYAPORN BUATIB

RECEIVED DATE : FEBRUARY 15, 2023
ANALYTICAL DATE : FEBRUARY 15-21, 2023
REPORT NO. : 2023-U014205
WORK NO. : 2022-008320
ANALYSIS NO. : T23AC660-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (DEEP ZONE) T23AC660-0001		
MICROBIOLOGY					
COLIFORM BACTERIA ^b	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: 9221B)	1.1	< 10	1.1
<i>E. coli</i> ^b	/100 mL	FLUOROGENIC SUBSTRATE TEST (SM: 9221D AND F)	NOT DETECTED	NOT DETECTED	-
<i>Pseudomonas aeruginosa</i> ^c	/100 mL	MEMBRANE FILTER TECHNIQUE (ISO 16266)	DETECTED	✓	-
SAMPLE CONDITION					
WATER'S COLOUR/TURBID			COLOURLESS/CLEAR		
SEDIMENT			-		

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

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

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

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

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

✓ : DISEASE-CAUSING BACTERIA IS NOT DETECTED.

(MISS CHAWEEWAN BOONLA)
LABORATORY SUPERVISOR

MARCH 1, 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 : FEBRUARY 15, 2023
SAMPLING TIME : 14:40 HOUR
SAMPLING METHOD * : GRAB AND STERILE TECHNIQUE
SAMPLING BY * : MR WEERAYUT MOKKAWEW
ANALYZED BY : MISS KAMICA CHOOSOMBAT

RECEIVED DATE : FEBRUARY 15, 2023
ANALYTICAL DATE : FEBRUARY 15-19, 2023
REPORT NO. : 2023-U014207
WORK NO. : 2022-008320
ANALYSIS NO. : T23AC660-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (DEEP ZONE) T23AC660-0001		
MICROBIOLOGY					
<i>Staphylococcus aureus</i> #	/100 mL	MEMBRANE FILTER TECHNIQUE (SM: 9213 B)	NOT DETECTED	✓	-
SAMPLE CONDITION WATER'S COLOUR/TURBID SEDIMENT			COLOURLESS/CLEAR		

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

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

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

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

✓ : DISEASE-CAUSING BACTERIA IS NOT DETECTED.

(MISS CHAWEEWAN BOONLA)
LABORATORY SUPERVISOR

MARCH 1, 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 WATTANA 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 : FEBRUARY 15, 2023
SAMPLING TIME : 14:45 HOUR
SAMPLING METHOD ° : GRAB, GRAB AND STERILE TECHNIQUE
SAMPLING BY ° : MR WEERAYUT MOKKAEW
ANALYZED BY : MISS ITSARIYAPORN BUATIB

RECEIVED DATE : FEBRUARY 15, 2023
ANALYTICAL DATE : FEBRUARY 15-21, 2023
REPORT NO. : 2023-U014208
WORK NO. : 2022-008320
ANALYSIS NO. : T23AC660-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (SHALLOW ZONE) T23AC660-0002		
TOTAL DISSOLVED SOLIDS °	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: 2540 C)	3,193	-	25
MICROBIOLOGY					
COLIFORM BACTERIA °	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: 9221 B)	< 1.1	< 10	1.1
<i>E. coli</i> °	/100 mL	FLUOROGENIC SUBSTRATE TEST (SM: 9221 D AND F)	NOT DETECTED	NOT DETECTED	-
<i>Pseudomonas aeruginosa</i> °	/100 mL	MEMBRANE FILTER TECHNIQUE (ISO 16266)	DETECTED	✓	-
SAMPLE CONDITION 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, 23rd EDITION, 2017.

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

✓ : DISEASE-CAUSING BACTERIA IS NOT DETECTED.

(MISS CHAWEEWAN BOONLA)
LABORATORY SUPERVISOR

MARCH 1, 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 : FEBRUARY 15, 2023
SAMPLING TIME : 14:45 HOUR
SAMPLING METHOD * : GRAB AND STERILE TECHNIQUE
SAMPLING BY * : MR WEERAYUT MOKKAEW
ANALYZED BY : MISS KAMICA CHOOSOMBAT

RECEIVED DATE : FEBRUARY 15, 2023
ANALYTICAL DATE : FEBRUARY 15-19, 2023
REPORT NO. : 2023-U014209
WORK NO. : 2022-008320
ANALYSIS NO. : T23AC660-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (SHALLOW ZONE) T23AC660-0002		
MICROBIOLOGY					
<i>Staphylococcus aureus</i> #	/100 mL	MEMBRANE FILTER TECHNIQUE (SM: 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, 23rd EDITION, 2017.
REGULATORY STANDARD : BANGKOK METROPOLITAN REGULATIONS FOR THE BUSINESS DISTRIMENTAL TO HEALTH, B.E. 2530 (1987).
1/ : DISEASE-CAUSING BACTERIA IS NOT DETECTED.

(MISS CHAWEEWAN BOONLA)
LABORATORY SUPERVISOR

MARCH 1, 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 WATTANA 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 : FEBRUARY 22, 2023

SAMPLING TIME : 13:40 HOUR

SAMPLING METHOD ^c : GRAB AND STERILE TECHNIQUE

SAMPLING BY ^c : MR TEERAPONG SRIKAMHANG

ANALYZED BY : MISS ITSARIYAPORN BUATIB

RECEIVED DATE : FEBRUARY 22, 2023

ANALYTICAL DATE : FEBRUARY 22-26, 2023

REPORT NO. : 2023-U016045

WORK NO. : 2022-008320

ANALYSIS NO. : T23AD137-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (DEEP ZONE) T23AD137-0001		
MICROBIOLOGY					
COLIFORM BACTERIA ^b	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B)	< 1.1	< 10	1.1
<i>E. coli</i> ^b	/100 mL	FLUOROGENIC SUBSTRATE TEST (SM: PART 9221 D AND F)	NOT DETECTED	NOT DETECTED	-
<i>Pseudomonas aeruginosa</i> ^c	/100 mL	MEMBRANE FILTER TECHNIQUE (ISO 16266)	NOT DETECTED	1/	-
SAMPLE CONDITION					
WATER'S COLOUR/TURBID SEDIMENT			COLOURLESS/CLEAR		

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

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

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

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

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

1/ : DISEASE-CAUSING BACTERIA IS NOT DETECTED.

(MISS CHAWEEWAN BOONLA)
LABORATORY SUPERVISOR

MARCH 9, 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 : FEBRUARY 22, 2023
SAMPLING TIME : 13:40 HOUR
SAMPLING METHOD * : GRAB AND STERILE TECHNIQUE
SAMPLING BY * : MR TEERAPONG SRIKAMHANG
ANALYZED BY : MISS ITSARIYAPORN BUATIB

RECEIVED DATE : FEBRUARY 22, 2023
ANALYTICAL DATE : FEBRUARY 22-26, 2023
REPORT NO. : 2023-U016046
WORK NO. : 2022-008320
ANALYSIS NO. : T23AD137-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (DEEP ZONE) T23AD137-0001		
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 (DMSO)
* : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

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

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

1/ : DISEASE-CAUSING BACTERIA IS NOT DETECTED.

(MISS CHAWEEWAN BOONLA)
LABORATORY SUPERVISOR

MARCH 9, 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 : FEBRUARY 22, 2023

SAMPLING TIME : 13:50 HOUR

SAMPLING METHOD ^a : GRAB, GRAB AND STERILE TECHNIQUE

SAMPLING BY ^a : MR TEERAPONG SRIKAMHANG

ANALYZED BY : MISS ITSARIYAPORN BUATIB

RECEIVED DATE : FEBRUARY 22, 2023

ANALYTICAL DATE : FEBRUARY 22 - MARCH 1, 2023

REPORT NO. : 2023-U016047

WORK NO. : 2022-008320

ANALYSIS NO. : T23AD137-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (SHALLOW ZONE) T23AD137-0002		
TOTAL DISSOLVED SOLIDS ^a	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: PART 2540 C)	3,071	-	25
MICROBIOLOGY					
COLIFORM BACTERIA ^b	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B)	< 1.1	< 10	1.1
<i>E. coli</i> ^b	/100 mL	FLUOROGENIC SUBSTRATE TEST (SM: PART 9221 D AND F)	NOT DETECTED	NOT DETECTED	-
<i>Pseudomonas aeruginosa</i> ^c	/100 mL	MEMBRANE FILTER TECHNIQUE (ISO 16266)	NOT DETECTED	✓	-
SAMPLE CONDITION					
WATER'S COLOUR/TURBID			COLOURLESS/CLEAR		
SEDIMENT			-		

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

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

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

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

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

✓ : DISEASE-CAUSING BACTERIA IS NOT DETECTED.

(MISS CHAWEEWAN BOONLA)
LABORATORY SUPERVISOR

MARCH 9, 2023



ANALYSIS REPORT

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

CUSTOMER NAME : L&H HOTEL MANAGEMENT COMPANY LIMITED

ADDRESS : 380 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 : FEBRUARY 22, 2023

SAMPLING TIME : 13:50 HOUR

SAMPLING METHOD * : GRAB AND STERILE TECHNIQUE

SAMPLING BY * : MR TEERAPONG SRIKAMHANG

ANALYZED BY : MISS ITSARIYAPORN BUATIB

RECEIVED DATE : FEBRUARY 22, 2023

ANALYTICAL DATE : FEBRUARY 22-26, 2023

REPORT NO. : 2023-U016048

WORK NO. : 2022-008320

ANALYSIS NO. : T23AD137-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (SHALLOW ZONE) T23AD137-0002		
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, 23rd EDITION, 2017.
REGULATORY STANDARD : BANGKOK METROPOLITAN REGULATIONS FOR THE BUSINESS DISTRIMENTAL TO HEALTH, B.E. 2530 (1987).
1/ : DISEASE-CAUSING BACTERIA IS NOT DETECTED.

(MISS CHAWEEWAN BOONLA)
LABORATORY SUPERVISOR

MARCH 9, 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 NUJA WATTANA 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 : MARCH 2, 2023
SAMPLING TIME : 10:30 HOUR
SAMPLING METHOD ^c : GRAB AND STERILE TECHNIQUE
SAMPLING BY ^c : MR WEERAYUT MOKKAEW
ANALYZED BY : MISS ITSARNAPORN BUATIB

RECEIVED DATE : MARCH 2, 2023
ANALYTICAL DATE : MARCH 2-8, 2023
REPORT NO. : 2023-U018329
WORK NO. : 2022-008320
ANALYSIS NO. : T23AD705-0004

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (DEEP ZONE) T23AD705-0004		
MICROBIOLOGY					
COLIFORM BACTERIA ^b	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221B)	< 1.1	< 10	1.1
<i>E. coli</i> ^b	/100 mL	FLUOROGENIC SUBSTRATE TEST (SM: PART 9221 D AND F)	NOT DETECTED	NOT DETECTED	-
<i>Pseudomonas aeruginosa</i> ^c	/100 mL	MEMBRANE FILTER TECHNIQUE (ISO 16266)	NOT DETECTED	1/	-
SAMPLE CONDITION WATER'S COLOUR/TURBID SEDIMENT			COLOURLESS/CLEAR -		

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

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

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

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

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

1/ : DISEASE-CAUSING BACTERIA IS NOT DETECTED.

(MISS CHAWEEWAN BOONLA)
LABORATORY SUPERVISOR

MARCH 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 : MARCH 2, 2023
SAMPLING TIME : 10:30 HOUR
SAMPLING METHOD * : GRAB AND STERILE TECHNIQUE
SAMPLING BY * : MR WEERAYUT MOKKAEW
ANALYZED BY : MISS SUJIRA PRASERTSUKHO

RECEIVED DATE : MARCH 2, 2023
ANALYTICAL DATE : MARCH 2-5, 2023
REPORT NO. : 2023-U018330
WORK NO. : 2022-008320
ANALYSIS NO. : T23AD705-0004

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (DEEP ZONE) T23AD705-0004		
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, 23rd EDITION, 2017.
REGULATORY STANDARD : BANGKOK METROPOLITAN REGULATIONS FOR THE BUSINESS DISTRICTIONAL TO HEALTH, B.E. 2530 (1987).
1/ : DISEASE-CAUSING BACTERIA IS NOT DETECTED.

(MISS CHAWEEWAN BOONLA)
LABORATORY SUPERVISOR

MARCH 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 : MARCH 2, 2023
SAMPLING TIME : 10:35 HOUR
SAMPLING METHOD ° : GRAB, GRAB AND STERILE TECHNIQUE
SAMPLING BY ° : MR WEERAYUT MOKKAEW
ANALYZED BY : MISS ITSARIYAPORN BUATIB
RECEIVED DATE : MARCH 2, 2023
ANALYTICAL DATE : MARCH 2-10, 2023
REPORT NO. : 2023-U018331
WORK NO. : 2022-008320
ANALYSIS NO. : T23AD705-0005

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (SHALLOW ZONE) T23AD705-0005		
TOTAL DISSOLVED SOLIDS °	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: PART 2540 C)	3,880	-	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	✓	-
SAMPLE CONDITION 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, 23rd EDITION, 2017.

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

✓ : DISEASE-CAUSING BACTERIA IS NOT DETECTED.

(MISS CHAWEEWAN BOONLA)
LABORATORY SUPERVISOR

MARCH 20, 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** : MARCH 2, 2023

SAMPLING DATE : MARCH 2, 2023 **ANALYTICAL DATE** : MARCH 2-5, 2023

SAMPLING TIME : 10:35 HOUR **REPORT NO.** : 2023-U018332

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

SAMPLING BY * : MR WEERAYUT MOKKAEW **ANALYSIS NO.** : T23AD705-0005

ANALYZED BY : MISS SUJIRA PRASERTSUKHO

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (SHALLOW ZONE) T23AD705-0005		
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, 23rd EDITION, 2017.
REGULATORY STANDARD : BANGKOK METROPOLITAN REGULATIONS FOR THE BUSINESS DISTRIMENTAL TO HEALTH, B.E. 2530 (1987).
1/ : DISEASE-CAUSING BACTERIA IS NOT DETECTED.

(MISS CHAWEEWAN BOONLA)
LABORATORY SUPERVISOR

MARCH 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 : boonkhun.b@gcphotels.com
SAMPLING SOURCE : GRANDE CENTRE POINT HOTEL SUKHUMVIT 55
SAMPLE TYPE : WATER SAMPLE FROM SWIMMING POOL
SAMPLING DATE : MARCH 8, 2023
SAMPLING TIME : 11:25 HOUR
SAMPLING METHOD ° : GRAB, GRAB AND STERILE TECHNIQUE
SAMPLING BY ° : MR WEERAYUT MOKKAEW
ANALYZED BY : MISS ITSARIYAPORN BUATIB

RECEIVED DATE : MARCH 8, 2023
ANALYTICAL DATE : MARCH 8-14, 2023
REPORT NO. : 2023-U019980
WORK NO. : 2022-008320
ANALYSIS NO. : T23AED26-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (SHALLOW ZONE) T23AED26-0002		
TOTAL DISSOLVED SOLIDS °	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: PART 2540 C)	5,240	-	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/	-
SAMPLE CONDITION 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, 23rd EDITION, 2017.

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

1/ : DISEASE-CAUSING BACTERIA IS NOT DETECTED.

(MISS CHAWEEWAN BOONLA)
LABORATORY SUPERVISOR

MARCH 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@gcphotelis.com
SAMPLING SOURCE : GRANDE CENTRE POINT HOTEL SUKHUMVIT 55
SAMPLE TYPE : WATER SAMPLE FROM SWIMMING POOL
SAMPLING DATE : MARCH 8, 2023
SAMPLING TIME : 11:25 HOUR
SAMPLING METHOD * : GRAB AND STERILE TECHNIQUE
SAMPLING BY * : MR WEERAYUT MOKKAEW
ANALYZED BY : MISS JITSAMON NGAMKANA

RECEIVED DATE : MARCH 8, 2023
ANALYTICAL DATE : MARCH 8-12, 2023
REPORT NO. : 2023-U019981
WORK NO. : 2022-008320
ANALYSIS NO. : T23AE026-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (SHALLOW ZONE) T23AE026-0002		
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 (DMSQ)
* : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

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

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

1/ : DISEASE-CAUSING BACTERIA IS NOT DETECTED.

(MISS CHAWEEWAN BOONLA)
LABORATORY SUPERVISOR

MARCH 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 : boonkhun.b@gcphotels.com
SAMPLING SOURCE : GRANDE CENTRE POINT HOTEL SUKHUMVIT 55
SAMPLE TYPE : WATER SAMPLE FROM SWIMMING POOL
SAMPLING DATE : MARCH 8, 2023
SAMPLING TIME : 11:20 HOUR
SAMPLING METHOD ^c : GRAB AND STERILE TECHNIQUE
SAMPLING BY ^c : MR WEERAYUT MOKKAEW
ANALYZED BY : MISS ITSARIYAPORN BUATIB

RECEIVED DATE : MARCH 8, 2023
ANALYTICAL DATE : MARCH 8-14, 2023
REPORT NO. : 2023-U019978
WORK NO. : 2022-008320
ANALYSIS NO. : T23AE026-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (DEEP ZONE) T23AE026-0001		
MICROBIOLOGY					
COLIFORM BACTERIA ^b	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221B)	< 11	< 10	1.1
<i>E. coli</i> ^b	/100 mL	FLUOROGENIC SUBSTRATE TEST (SM: PART 9221D AND F)	NOT DETECTED	NOT DETECTED	-
<i>Pseudomonas aeruginosa</i> ^c	/100 mL	MEMBRANE FILTER TECHNIQUE (ISO 16266)	NOT DETECTED	✓	-
SAMPLE CONDITION WATER'S COLOUR/TURBID SEDIMENT			COLOURLESS/CLEAR -		

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

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

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

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

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

✓ : DISEASE-CAUSING BACTERIA IS NOT DETECTED.

(MISS CHAWEEWAN BOONLA)
LABORATORY SUPERVISOR

MARCH 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 NUJA 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 : MARCH 8, 2023
SAMPLING TIME : 11:20 HOUR
SAMPLING METHOD * : GRAB AND STERILE TECHNIQUE
SAMPLING BY * : MR WEERAYUT MOKKAEW
ANALYZED BY : MISS JITSAMON NGAMKANA

RECEIVED DATE : MARCH 8, 2023
ANALYTICAL DATE : MARCH 8-12, 2023
REPORT NO. : 2023-U019979
WORK NO. : 2022-008320
ANALYSIS NO. : T23AE026-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (DEEP ZONE) T23AE026-0001		
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, 23rd 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]

(MISS CHAWEEWAN BOONLA)
LABORATORY SUPERVISOR

MARCH 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 WATTANA 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 : MARCH 15, 2023
SAMPLING TIME : 10:50 HOUR
SAMPLING METHOD ^a : GRAB, GRAB AND STERILE TECHNIQUE
SAMPLING BY ^c : MR SUKSAN BOONLEANG
ANALYZED BY : MISS ITSARIYAPORN BUATIB

RECEIVED DATE : MARCH 15, 2023
ANALYTICAL DATE : MARCH 15-22, 2023
REPORT NO. : 2023-U022230
WORK NO. : 2022-008320
ANALYSIS NO. : T23AE610-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (SHALLOW ZONE) T23AE610-0002		
TOTAL DISSOLVED SOLIDS ^a	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: PART 2540 C)	3,361	-	25
MICROBIOLOGY					
COLIFORM BACTERIA ^b	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B)	< 1.1	< 10	1.1
<i>E. coli</i> ^b	/100 mL	FLUOROGENIC SUBSTRATE TEST (SM: PART 9221 D AND F)	NOT DETECTED	NOT DETECTED	-
<i>Pseudomonas aeruginosa</i> ^c	/100 mL	MEMBRANE FILTER TECHNIQUE (ISO 16266)	NOT DETECTED	1/	-
SAMPLE CONDITION WATER'S COLOUR/TURBID SEDIMENT			COLOURLESS/CLEAR -		

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

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

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

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

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

1/ : DISEASE-CAUSING BACTERIA IS NOT DETECTED.

(MISS CHAWEEWAN BOONLA)
LABORATORY SUPERVISOR

MARCH 29, 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 7063 4737 e-mail : boonkhum.b@gcphotels.com

SAMPLING SOURCE : GRANDE CENTRE POINT HOTEL SUKHUMVIT 55

SAMPLE TYPE : WATER SAMPLE FROM SWIMMING POOL

SAMPLING DATE : MARCH 15, 2023

SAMPLING TIME : 10:45 HOUR

SAMPLING METHOD ° : GRAB AND STERILE TECHNIQUE

SAMPLING BY ° : MR SUKSAN BOONLEANG

ANALYZED BY : MISS ITSARIYAPORN BUATIB

RECEIVED DATE : MARCH 15, 2023

ANALYTICAL DATE : MARCH 15-21, 2023

REPORT NO. : 2023-U022228

WORK NO. : 2022-008320

ANALYSIS NO. : T23AE610-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (DEEP ZONE) T23AE610-0001		
MICROBIOLOGY					
COLIFORM BACTERIA ^b	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221B)	1.1	< 10	1.1
<i>E. coli</i> ^b	/100 mL	FLUOROGENIC SUBSTRATE TEST (SM: PART 9221 D AND F)	NOT DETECTED	NOT DETECTED	-
<i>Pseudomonas aeruginosa</i> ^c	/100 mL	MEMBRANE FILTER TECHNIQUE (ISO 16286)	NOT DETECTED	1/	-
SAMPLE CONDITION					
WATER'S COLOUR/TURBID			COLOURLESS/CLEAR		
SEDIMENT			-		

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

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

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

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

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

1/ : DISEASE-CAUSING BACTERIA IS NOT DETECTED.

(MISS CHAWEEWAN BOONLA)
LABORATORY SUPERVISOR

MARCH 29, 2023



ANALYSIS REPORT

PROJECT NAME : การตรวจวัดคุณภาพสิ่งแวดล้อม และการตรวจสอบการปฏิบัติตามมาตรการป้องกันและแก้ไขผลกระทบสิ่งแวดล้อม
โครงการ GRANDE CENTRE POINT HOTEL SUKHUMVIT 55 ฝั่งซ้าย 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 : MARCH 15, 2023
SAMPLING TIME : 10:45 HOUR
SAMPLING METHOD * : GRAB AND STERILE TECHNIQUE
SAMPLING BY * : MR SUKSAN BOONLEANG
ANALYZED BY : MISS JITSAMON NGAMKANA
RECEIVED DATE : MARCH 15, 2023
ANALYTICAL DATE : MARCH 15-20, 2023
REPORT NO. : 2023-U022229
WORK NO. : 2022-008320
ANALYSIS NO. : T23AE610-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (DEEP ZONE) T23AE610-0001		
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, 23rd EDITION, 2017.
REGULATORY STANDARD : BANGKOK METROPOLITAN REGULATIONS FOR THE BUSINESS DISTRICTIONAL TO HEALTH, B.E. 2530 (1987).
1/ : DISEASE-CAUSING BACTERIA IS NOT DETECTED.

[Signature]

(MISS CHAWEEWAN BOONLA)
LABORATORY SUPERVISOR

MARCH 29, 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 : MARCH 22, 2023
SAMPLING TIME : 10:40 HOUR
SAMPLING METHOD ° : GRAB, GRAB AND STERILE TECHNIQUE
SAMPLING BY ° : MR ANUSART SUAYDEE
ANALYZED BY : MISS ITSARIYAPORN BUATIB

RECEIVED DATE : MARCH 22, 2023
ANALYTICAL DATE : MARCH 22-28, 2023
REPORT NO. : 2023-U022990
WORK NO. : 2022-008320
ANALYSIS NO. : T23AF103-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (SHALLOW ZONE) T23AF103-0002		
TOTAL DISSOLVED SOLIDS °	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: PART 2540 C)	3,709	-	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	✓	-
SAMPLE CONDITION 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, 23rd EDITION, 2017.

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

✓ : DISEASE-CAUSING BACTERIA IS NOT DETECTED.

(MISS CHAWEEWAN BOONLA)
LABORATORY SUPERVISOR

MARCH 31, 2023



ANALYSIS REPORT

PROJECT NAME : การตรวจวัดคุณภาพสิ่งแวดล้อม และการตรวจสอบการปฏิบัติตามมาตรการป้องกันและแก้ไขผลกระทบสิ่งแวดล้อม
โครงการ GRANDE CENTRE POINT HOTEL SUKHUMVIT 55 ฝั่งซ้าย 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 : MARCH 22, 2023
SAMPLING TIME : 10:40 HOUR
SAMPLING METHOD * : GRAB AND STERILE TECHNIQUE
SAMPLING BY * : MR ANUSART SUAYDEE
ANALYZED BY : MISS JITSAMON NGAMKANA

RECEIVED DATE : MARCH 22, 2023
ANALYTICAL DATE : MARCH 22-26, 2023
REPORT NO. : 2023-U022991
WORK NO. : 2022-008320
ANALYSIS NO. : T23AF103-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (SHALLOW ZONE) T23AF103-0002		
MICROBIOLOGY					
<i>Staphylococcus aureus</i> #	/100 mL	MEMBRANE FILTER TECHNIQUE (SM: PART 9213 B)	NOT DETECTED	✓	-
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, 23RD EDITION, 2017.
REGULATORY STANDARD : BANGKOK METROPOLITAN REGULATIONS FOR THE BUSINESS DISTRIEMENTAL TO HEALTH, B.E. 2530 (1987).
✓ : DISEASE-CAUSING BACTERIA IS NOT DETECTED.

(MISS CHAWEEWAN BOONLA)
LABORATORY SUPERVISOR

MARCH 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 : MARCH 22, 2023
SAMPLING TIME : 10:30 HOUR
SAMPLING METHOD ° : GRAB AND STERILE TECHNIQUE
SAMPLING BY ° : MR ANUSART SUAYDEE
ANALYZED BY : MISS ITSARIYAPORN BUATIB

RECEIVED DATE : MARCH 22, 2023
ANALYTICAL DATE : MARCH 22-26, 2023
REPORT NO. : 2023-U022988
WORK NO. : 2022-008320
ANALYSIS NO. : T23AF103-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (DEEP ZONE) T23AF103-0001		
MICROBIOLOGY					
COLIFORM BACTERIA ^b	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221B)	< 1.1	< 10	1.1
<i>E. coli</i> ^b	/100 mL	FLUOROGENIC SUBSTRATE TEST (SM: PART 9221 D AND F)	NOT DETECTED	NOT DETECTED	-
<i>Pseudomonas aeruginosa</i> ^c	/100 mL	MEMBRANE FILTER TECHNIQUE (ISO 16268)	NOT DETECTED	1/	-
SAMPLE CONDITION WATER'S COLOUR/TURBID SEDIMENT			COLOURLESS/CLEAR -		

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

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

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

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

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

1/ : DISEASE-CAUSING BACTERIA IS NOT DETECTED.

(MISS CHAWEEWAN BOONLA)
LABORATORY SUPERVISOR

MARCH 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 : boonkhumb@gcphotels.com
SAMPLING SOURCE : GRANDE CENTRE POINT HOTEL SUKHUMVIT 55
SAMPLE TYPE : WATER SAMPLE FROM SWIMMING POOL
SAMPLING DATE : MARCH 22, 2023
SAMPLING TIME : 10:30 HOUR
SAMPLING METHOD * : GRAB AND STERILE TECHNIQUE
SAMPLING BY * : MR ANUSART SUAYDEE
ANALYZED BY : MISS JITSAMON NGAMKANA

RECEIVED DATE : MARCH 22, 2023
ANALYTICAL DATE : MARCH 22-26, 2023
REPORT NO. : 2023-U022989
WORK NO. : 2022-008320
ANALYSIS NO. : T23AF103-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (DEEP ZONE) T23AF103-0001		
MICROBIOLOGY					
<i>Staphylococcus aureus</i> #	/100 mL	MEMBRANE FILTER TECHNIQUE (SM: PART 9213 B)	NOT DETECTED	✓	-
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, 23rd EDITION, 2017.

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

✓ : DISEASE-CAUSING BACTERIA IS NOT DETECTED.

(MISS CHAWEEWAN BOONLA)
LABORATORY SUPERVISOR

MARCH 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 : MARCH 30, 2023
SAMPLING TIME : 11:20 HOUR
SAMPLING METHOD ° : GRAB, GRAB AND STERILE TECHNIQUE
SAMPLING BY ° : MR ANUSART SUAYDEE
ANALYZED BY : MISS ITSARIYAPORN BUATIB

RECEIVED DATE : MARCH 30, 2023
ANALYTICAL DATE : MARCH 30 - APRIL 3, 2023
REPORT NO. : 2023-U025087
WORK NO. : 2022-008320
ANALYSIS NO. : T23AF712-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (SHALLOW ZONE) T23AF712-0002		
TOTAL DISSOLVED SOLIDS °	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: PART 2540 C)	4,739	-	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	-
SAMPLE CONDITION 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, 23rd EDITION, 2017.

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

1 : DISEASE-CAUSING BACTERIA IS NOT DETECTED.

(MISS CHAWEEWAN BOONLA)
LABORATORY SUPERVISOR

APRIL 11, 2023



ANALYSIS REPORT

PROJECT NAME : การตรวจวัดคุณภาพสิ่งแวดล้อม และการตรวจสอบการปฏิบัติตามมาตรฐานการป้องกันและแก้ไขผลกระทบต่อสิ่งแวดล้อม
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 : MARCH 30, 2023

SAMPLING TIME : 11:20 HOUR

SAMPLING METHOD * : GRAB AND STERILE TECHNIQUE

SAMPLING BY * : MR ANUSART SUAYDEE

ANALYZED BY : MISS JITSAMON NGAMKANA

RECEIVED DATE : MARCH 30, 2023

ANALYTICAL DATE : MARCH 30 - APRIL 2, 2023

REPORT NO. : 2023-U025088

WORK NO. : 2022-008320

ANALYSIS NO. : T23AF712-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (SHALLOW ZONE) T23AF712-0002		
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, 23rd EDITION, 2017.
REGULATORY STANDARD : BANGKOK METROPOLITAN REGULATIONS FOR THE BUSINESS DISTRIEMENTAL TO HEALTH, B.E. 2530 (1987).
1/ : DISEASE-CAUSING BACTERIA IS NOT DETECTED.

(MISS CHAWEEWAN BOONLA)
LABORATORY SUPERVISOR

APRIL 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 : boonkhumb.b@gcphotels.com

SAMPLING SOURCE : GRANDE CENTRE POINT HOTEL SUKHUMVIT 55

SAMPLE TYPE : WATER SAMPLE FROM SWIMMING POOL

SAMPLING DATE : MARCH 30, 2023

SAMPLING TIME : 11:10 HOUR

SAMPLING METHOD ° : GRAB AND STERILE TECHNIQUE

SAMPLING BY ° : MR ANUSART SUAYDEE

ANALYZED BY : MISS ITSARIYAPORN BUATIB

RECEIVED DATE : MARCH 30, 2023

ANALYTICAL DATE : MARCH 30 - APRIL 2, 2023

REPORT NO. : 2023-U025085

WORK NO. : 2022-008320

ANALYSIS NO. : T23AF712-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (DEEP ZONE) T23AF712-0001		
MICROBIOLOGY					
COLIFORM BACTERIA ^b	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B)	< 1.1	< 10	1.1
<i>E. coli</i> ^b	/100 mL	FLUOROGENIC SUBSTRATE TEST (SM: PART 9221 D AND F)	NOT DETECTED	NOT DETECTED	-
<i>Pseudomonas aeruginosa</i> ^c	/100 mL	MEMBRANE FILTER TECHNIQUE (ISO 16266)	DETECTED	✓	-
SAMPLE CONDITION 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, 23rd EDITION, 2017.

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

✓ : DISEASE-CAUSING BACTERIA IS NOT DETECTED.

(MISS CHAWEEWAN BOONLA)
LABORATORY SUPERVISOR

APRIL 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 : boonkhumb@gcphotels.com
SAMPLING SOURCE : GRANDE CENTRE POINT HOTEL SUKHUMVIT 55
SAMPLE TYPE : WATER SAMPLE FROM SWIMMING POOL
SAMPLING DATE : MARCH 30, 2023
SAMPLING TIME : 11:10 HOUR
SAMPLING METHOD * : GRAB AND STERILE TECHNIQUE
SAMPLING BY * : MR ANUSART SUAYDEE
ANALYZED BY : MISS JITSAMON NGAMKANA

RECEIVED DATE : MARCH 30, 2023
ANALYTICAL DATE : MARCH 30 - APRIL 2, 2023
REPORT NO. : 2023-U025086
WORK NO. : 2022-008320
ANALYSIS NO. : T23AF712-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (DEEP ZONE) T23AF712-0001		
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, 23rd 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]

(MISS CHAWEEWAN BOONLA)
LABORATORY SUPERVISOR

APRIL 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 : APRIL 5, 2023
SAMPLING TIME : 11:05 HOUR
SAMPLING METHOD ° : GRAB, GRAB AND STERILE TECHNIQUE
SAMPLING BY ° : MR SUKSAN BOONLEANG
ANALYZED BY : MISS ITSARIYAPORN BUATIB

RECEIVED DATE : APRIL 5, 2023
ANALYTICAL DATE : APRIL 5-13, 2023
REPORT NO. : 2023-U029724
WORK NO. : 2022-008320
ANALYSIS NO. : T23AG157-0005

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (SHALLOW ZONE) T23AG157-0005		
TOTAL DISSOLVED SOLIDS °	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: PART 2540 C)	3,909	-	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	✓	-
SAMPLE CONDITION 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, 23rd EDITION, 2017.

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

✓ : DISEASE-CAUSING BACTERIA IS NOT DETECTED.

(MISS CHAWEEWAN BOONLA)
LABORATORY SUPERVISOR

APRIL 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 : APRIL 5, 2023
SAMPLING TIME : 11:05 HOUR
SAMPLING METHOD * : GRAB AND STERILE TECHNIQUE
SAMPLING BY * : MR SUKSAN BOONLEANG
ANALYZED BY : MISS WIPHAPHORN SAENG SOPHA

RECEIVED DATE : APRIL 5, 2023
ANALYTICAL DATE : APRIL 5-9, 2023
REPORT NO. : 2023-U029725
WORK NO. : 2022-008320
ANALYSIS NO. : T23AG157-0005

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (SHALLOW ZONE) T23AG157-0005		
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 (DMSQ)

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

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

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

1/ : DISEASE-CAUSING BACTERIA IS NOT DETECTED.

(MISS CHAWEEWAN BOONLA)
LABORATORY SUPERVISOR

APRIL 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 : APRIL 5, 2023
SAMPLING TIME : 11:00 HOUR
SAMPLING METHOD ^a : GRAB AND STERILE TECHNIQUE
SAMPLING BY ^c : MR SUKSAN BOONLEANG
ANALYZED BY : MISS ITSARIYAPORN BUATIB

RECEIVED DATE : APRIL 5, 2023
ANALYTICAL DATE : APRIL 5-9, 2023
REPORT NO. : 2023-U029721
WORK NO. : 2022-008320
ANALYSIS NO. : T23AG157-0004

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (DEEP ZONE) T23AG157-0004		
MICROBIOLOGY					
COLIFORM BACTERIA ^b	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221B)	< 1.1	< 10	1.1
<i>E. coli</i> ^b	/100 mL	FLUOROGENIC SUBSTRATE TEST (SM: PART 9221D AND F)	NOT DETECTED	NOT DETECTED	-
<i>Pseudomonas aeruginosa</i> ^c	/100 mL	MEMBRANE FILTER TECHNIQUE (ISO 16286)	NOT DETECTED	✓	-
SAMPLE CONDITION WATER'S COLOUR/TURBID SEDIMENT			COLOURLESS/CLEAR -		

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

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

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

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

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

✓ : DISEASE-CAUSING BACTERIA IS NOT DETECTED.

(MISS CHAWEEWAN BOONLA)
LABORATORY SUPERVISOR

APRIL 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@gcphotel.com
SAMPLING SOURCE : GRANDE CENTRE POINT HOTEL SUKHUMVIT 55
SAMPLE TYPE : WATER SAMPLE FROM SWIMMING POOL
SAMPLING DATE : APRIL 5, 2023
SAMPLING TIME : 11:00 HOUR
SAMPLING METHOD * : GRAB AND STERILE TECHNIQUE
SAMPLING BY * : MR SUKSAN BOONLEANG
ANALYZED BY : MISS WIPHAPHORN SAENG SOPHA
RECEIVED DATE : APRIL 5, 2023
ANALYTICAL DATE : APRIL 5-9, 2023
REPORT NO. : 2023-U029723
WORK NO. : 2022-008320
ANALYSIS NO. : T23AG157-0004

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (DEEP ZONE) T23AG157-0004		
MICROBIOLOGY					
<i>Staphylococcus aureus</i> #	/100 mL	MEMBRANE FILTER TECHNIQUE (SM: PART 9213 B)	NOT DETECTED	✓	-
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, 23rd EDITION, 2017.

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

✓ : DISEASE-CAUSING BACTERIA IS NOT DETECTED.

(MISS CHAWEEWAN BOONLA)
LABORATORY SUPERVISOR

APRIL 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 : APRIL 11, 2023

SAMPLING TIME : 10:50 HOUR

SAMPLING METHOD ^a : GRAB AND STERILE TECHNIQUE

SAMPLING BY ^c : MR SUKSAN BOONLEANG

ANALYZED BY : MISS ITSARIYAPORN BUATIB

RECEIVED DATE : APRIL 11, 2023

ANALYTICAL DATE : APRIL 11-17, 2023

REPORT NO. : 2023-U031093

WORK NO. : 2022-008320

ANALYSIS NO. : T23AG572-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (DEEP ZONE) T23AG572-0001		
MICROBIOLOGY					
COLIFORM BACTERIA ^b	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B)	< 1.1	< 10	1.1
<i>E. coli</i> ^b	/100 mL	FLUOROGENIC SUBSTRATE TEST (SM: PART 9221 D AND F)	NOT DETECTED	NOT DETECTED	-
<i>Pseudomonas aeruginosa</i> ^c	/100 mL	MEMBRANE FILTER TECHNIQUE (ISO 16266)	NOT DETECTED	✓	-
SAMPLE CONDITION					
WATER'S COLOUR/TURBID			COLOURLESS/CLEAR		
SEDIMENT			-		

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

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

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

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

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

✓ : DISEASE-CAUSING BACTERIA IS NOT DETECTED.

(MISS CHAWEEWAN BOONLA)
LABORATORY SUPERVISOR

APRIL 28, 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 : boonkhun.b@gcphotels.com

SAMPLING SOURCE : GRANDE CENTRE POINT HOTEL SUKHUMVIT 55

SAMPLE TYPE : WATER SAMPLE FROM SWIMMING POOL

SAMPLING DATE : APRIL 11, 2023

SAMPLING TIME : 10:50 HOUR

SAMPLING METHOD * : GRAB AND STERILE TECHNIQUE

SAMPLING BY * : MR SUKSAN BOONLEANG

ANALYZED BY : MISS SUJIRA PRASERTSUKHO

RECEIVED DATE : APRIL 11, 2023

ANALYTICAL DATE : APRIL 11-17, 2023

REPORT NO. : 2023-U031094

WORK NO. : 2022-008320

ANALYSIS NO. : T23AG572-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (DEEP ZONE) T23AG572-0001		
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, 23rd EDITION, 2017.

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

1/ : DISEASE-CAUSING BACTERIA IS NOT DETECTED.

(MISS CHAWEEWAN BOONLA)
LABORATORY SUPERVISOR

APRIL 28, 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 : APRIL 11, 2023
SAMPLING TIME : 10:55 HOUR
SAMPLING METHOD ° : GRAB, GRAB AND STERILE TECHNIQUE
SAMPLING BY ° : MR SUKSAN BOONLEANG
ANALYZED BY : MISS ITSARIYAPORN BUATTB
RECEIVED DATE : APRIL 11, 2023
ANALYTICAL DATE : APRIL 11-20, 2023
REPORT NO. : 2023-U031095
WORK NO. : 2022-008320
ANALYSIS NO. : T23AG572-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (SHALLOW ZONE) T23AG572-0002		
TOTAL DISSOLVED SOLIDS °	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: PART 2540 C)	4,075	-	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 16286)	NOT DETECTED	✓	-
SAMPLE CONDITION 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, 23rd EDITION, 2017.

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

✓ : DISEASE-CAUSING BACTERIA IS NOT DETECTED.

(MISS CHAWEEWAN BOONLA)
LABORATORY SUPERVISOR

APRIL 28, 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@gcphoteis.com

SAMPLING SOURCE : GRANDE CENTRE POINT HOTEL SUKHUMVIT 55

SAMPLE TYPE : WATER SAMPLE FROM SWIMMING POOL

SAMPLING DATE : APRIL 11, 2023

SAMPLING TIME : 10:55 HOUR

SAMPLING METHOD * : GRAB AND STERILE TECHNIQUE

SAMPLING BY * : MR SUKSAN BOONLEANG

ANALYZED BY : MISS SUJIRA PRASERTSUKHO

RECEIVED DATE : APRIL 11, 2023

ANALYTICAL DATE : APRIL 11-17, 2023

REPORT NO. : 2023-U031096

WORK NO. : 2022-008320

ANALYSIS NO. : T23AG572-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (SHALLOW ZONE) T23AG572-0002		
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 (DMSO)
* : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23rd 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]

(MISS CHAWEEWAN BOONLA)
LABORATORY SUPERVISOR

APRIL 28, 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 : APRIL 20, 2023
SAMPLING TIME : 10:50 HOUR
SAMPLING METHOD ^a : GRAB AND STERILE TECHNIQUE
SAMPLING BY ^b : MR SUKSAN BOONLEANG
ANALYZED BY : MISS ITSARTYAPORN BUATIB

RECEIVED DATE : APRIL 20, 2023
ANALYTICAL DATE : APRIL 20-25, 2023
REPORT NO. : 2023-U033265
WORK NO. : 2022-008320
ANALYSIS NO. : T23AG995-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (DEEP ZONE) T23AG995-0001		
MICROBIOLOGY					
COLIFORM BACTERIA ^b	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221B)	< 1.1	< 10	1.1
<i>E. coli</i> ^b	/100 mL	FLUOROGENIC SUBSTRATE TEST (SM: PART 9221 D AND F)	NOT DETECTED	NOT DETECTED	-
<i>Pseudomonas aeruginosa</i> ^c	/100 mL	MEMBRANE FILTER TECHNIQUE (ISO 16268)	NOT DETECTED	✓	-
SAMPLE CONDITION					
WATER'S COLOUR/TURBID			COLOURLESS/CLEAR		
SEDIMENT			-		

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

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

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

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

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

✓ : DISEASE-CAUSING BACTERIA IS NOT DETECTED.

(MISS CHAWEEWAN BOONLA)
LABORATORY SUPERVISOR

MAY 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 : APRIL 20, 2023
SAMPLING TIME : 10:50 HOUR
SAMPLING METHOD * : GRAB AND STERILE TECHNIQUE
SAMPLING BY * : MR SUKSAN BOONLEANG
ANALYZED BY : MR PITTAPAN LAEKODD

RECEIVED DATE : APRIL 20, 2023
ANALYTICAL DATE : APRIL 20-23, 2023
REPORT NO. : 2023-U033266
WORK NO. : 2022-008320
ANALYSIS NO. : T23AG995-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (DEEP ZONE) T23AG995-0001		
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, 23rd EDITION, 2017.
REGULATORY STANDARD : BANGKOK METROPOLITAN REGULATIONS FOR THE BUSINESS DISTRIMENTAL TO HEALTH, B.E. 2530 (1987).
1 : DISEASE-CAUSING BACTERIA IS NOT DETECTED.

(MISS CHAWEEWAN BOONLA)
LABORATORY SUPERVISOR

MAY 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 : APRIL 20, 2023
SAMPLING TIME : 10:55 HOUR
SAMPLING METHOD ° : GRAB, GRAB AND STERILE TECHNIQUE
SAMPLING BY ° : MR SUKSAN BOONLEANG
ANALYZED BY : MISS ITSARIYAPORN BUATIB

RECEIVED DATE : APRIL 20, 2023
ANALYTICAL DATE : APRIL 20-27, 2023
REPORT NO. : 2023-U033267
WORK NO. : 2022-008320
ANALYSIS NO. : T23AG995-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (SHALLOW ZONE) T23AG995-0002		
TOTAL DISSOLVED SOLIDS °	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: PART 2540 C)	4,000	-	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/	-
SAMPLE CONDITION 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, 23rd EDITION, 2017.

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

1/ : DISEASE-CAUSING BACTERIA IS NOT DETECTED.

(MISS CHAWEEWAN BOONLA)
LABORATORY SUPERVISOR

MAY 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 : APRIL 20, 2023
SAMPLING TIME : 10:55 HOUR
SAMPLING METHOD * : GRAB AND STERILE TECHNIQUE
SAMPLING BY * : MR SUKSAN BOONLEANG
ANALYZED BY : MR PITTAPAN LAEKODD

RECEIVED DATE : APRIL 20, 2023
ANALYTICAL DATE : APRIL 20-23, 2023
REPORT NO. : 2023-U033268
WORK NO. : 2022-008320
ANALYSIS NO. : T23AG995-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (SHALLOW ZONE) T23AG995-0002		
MICROBIOLOGY					
<i>Staphylococcus aureus</i> #	/100 mL	MEMBRANE FILTER TECHNIQUE (SM: PART 9213 B)	NOT DETECTED	✓	-
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, 23rd EDITION, 2017.
REGULATORY STANDARD : BANGKOK METROPOLITAN REGULATIONS FOR THE BUSINESS DISTRIEMENTAL TO HEALTH, B.E. 2530 (1987).
✓ : DISEASE-CAUSING BACTERIA IS NOT DETECTED.

(MISS CHAWEEWAN BOONLA)
LABORATORY SUPERVISOR

MAY 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 : APRIL 26, 2023
SAMPLING TIME : 09:50 HOUR
SAMPLING METHOD ° : GRAB AND STERILE TECHNIQUE
SAMPLING BY ° : MR SUKSAN BOONLEANG
ANALYZED BY : MISS ITSARIYAPORN BUATIB
RECEIVED DATE : APRIL 26, 2023
ANALYTICAL DATE : APRIL 26-MAY 1, 2023
REPORT NO. : 2023-U034330
WORK NO. : 2022-008320
ANALYSIS NO. : T23AH440-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (DEEP ZONE) T23AH440-0001		
MICROBIOLOGY					
COLIFORM BACTERIA ^b	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221B)	>23	< 10	1.1
<i>E. coli</i> ^b	/100 mL	FLUOROGENIC SUBSTRATE TEST (SM: PART 9221D AND F)	DETECTED	NOT DETECTED	-
<i>Pseudomonas aeruginosa</i> ^c	/100 mL	MEMBRANE FILTER TECHNIQUE (ISO 16266)	NOT DETECTED	1 [†]	-
SAMPLE CONDITION WATER'S COLOUR/TURBID SEDIMENT			COLOURLESS/CLEAR -		

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

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

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

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

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

1[†] : DISEASE-CAUSING BACTERIA IS NOT DETECTED.

(MISS CHAWEEWAN BOONLA)
LABORATORY SUPERVISOR

MAY 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
RECEIVED DATE : APRIL 26, 2023
SAMPLING DATE : APRIL 26, 2023
ANALYTICAL DATE : APRIL 26-MAY 3, 2023
SAMPLING TIME : 09:50 HOUR
REPORT NO. : 2023-U034333
SAMPLING METHOD * : GRAB AND STERILE TECHNIQUE
WORK NO. : 2022-008320
SAMPLING BY * : MR SUKSAN BOONLEANG
ANALYSIS NO. : T23AH440-0001
ANALYZED BY : MISS KAMICA CHOOSOMBAT

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (DEEP ZONE) T23AH440-0001		
MICROBIOLOGY					
<i>Staphylococcus aureus</i> #	/100 mL	MEMBRANE FILTER TECHNIQUE (SM: PART 9213 B)	NOT DETECTED	✓	-
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, 23rd EDITION, 2017.
REGULATORY STANDARD : BANGKOK METROPOLITAN REGULATIONS FOR THE BUSINESS DISTRIEMENTAL TO HEALTH, B.E. 2530 (1987).
✓ : DISEASE-CAUSING BACTERIA IS NOT DETECTED.

(MISS CHAWEEWAN BOONLA)
LABORATORY SUPERVISOR

MAY 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 : APRIL 26, 2023
SAMPLING TIME : 10:00 HOUR
SAMPLING METHOD ° : GRAB, GRAB AND STERILE TECHNIQUE
SAMPLING BY ° : MR SUKSAN BOONLEANG
ANALYZED BY : MISS ITSARIYAPORN BUATIB

RECEIVED DATE : APRIL 26, 2023
ANALYTICAL DATE : APRIL 26-MAY 8, 2023
REPORT NO. : 2023-U034334
WORK NO. : 2022-008320
ANALYSIS NO. : T23AH440-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (SHALLOW ZONE) T23AH440-0002		
TOTAL DISSOLVED SOLIDS °	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: PART 2540 C)	2,820	-	25
MICROBIOLOGY					
COLIFORM BACTERIA °	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B)	>23	< 10	1.1
<i>E. coli</i> °	/100 mL	FLUOROGENIC SUBSTRATE TEST (SM: PART 9221 D AND F)	DETECTED	NOT DETECTED	-
<i>Pseudomonas aeruginosa</i> °	/100 mL	MEMBRANE FILTER TECHNIQUE (ISO 18286)	DETECTED	✓	-
SAMPLE CONDITION 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, 23rd EDITION, 2017.

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

✓ : DISEASE-CAUSING BACTERIA IS NOT DETECTED.

(MISS CHAWEEWAN BOONLA)
LABORATORY SUPERVISOR

MAY 11, 2023



ANALYSIS REPORT

PROJECT NAME : การตรวจวัดคุณภาพสิ่งแวดล้อม และการตรวจสอบการปฏิบัติตามมาตรฐานการป้องกันและแก้ไขผลกระทบต่อสิ่งแวดล้อม
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 : APRIL 26, 2023
SAMPLING TIME : 10:00 HOUR
SAMPLING METHOD * : GRAB, GRAB AND STERILE TECHNIQUE
SAMPLING BY * : MR SUKSAN BOONLEANG
ANALYZED BY : MISS KAMICA CHOOSOMBAT

RECEIVED DATE : APRIL 26, 2023
ANALYTICAL DATE : APRIL 26-30, 2023
REPORT NO. : 2023-U034336
WORK NO. : 2022-008320
ANALYSIS NO. : T23AH440-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (SHALLOW ZONE) T23AH440-0002		
MICROBIOLOGY					
<i>Staphylococcus aureus</i> #	/100 mL	MEMBRANE FILTER TECHNIQUE (SM: PART 9213 B)	NOT DETECTED	✓	-
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, 23rd EDITION, 2017.

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

✓ : DISEASE-CAUSING BACTERIA IS NOT DETECTED.

(MISS CHAWEEWAN BOONLA)
LABORATORY SUPERVISOR

MAY 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 : boonkhun.b@gcphotels.com
SAMPLING SOURCE : GRANDE CENTRE POINT HOTEL SUKHUMVIT 55
SAMPLE TYPE : WATER SAMPLE FROM SWIMMING POOL
SAMPLING DATE : MAY 3, 2023
SAMPLING TIME : 10:45 HOUR
SAMPLING METHOD ° : GRAB AND STERILE TECHNIQUE
SAMPLING BY ° : MR SUKSAN BOONLEANG
ANALYZED BY : MISS ITSARIYAPORN BUATJB

RECEIVED DATE : MAY 3, 2023
ANALYTICAL DATE : MAY 3-8, 2023
REPORT NO. : 2023-U036826
WORK NO. : 2022-008320
ANALYSIS NO. : T23AH899-0004

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (DEEP ZONE) T23AH899-0004		
MICROBIOLOGY					
COLIFORM BACTERIA ^b	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B)	< 1.1	< 10	1.1
<i>E. coli</i> ^b	/100 mL	FLUOROGENIC SUBSTRATE TEST (SM: PART 9221 D AND F)	NOT DETECTED	NOT DETECTED	-
<i>Pseudomonas aeruginosa</i> ^c	/100 mL	MEMBRANE FILTER TECHNIQUE (ISO 16268)	NOT DETECTED	1/	-
SAMPLE CONDITION WATER'S COLOUR/TURBID SEDIMENT			COLOURLESS/CLEAR -		

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

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

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

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

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

1/ : DISEASE-CAUSING BACTERIA IS NOT DETECTED.

(MISS CHAWEEWAN BOONLA)
LABORATORY SUPERVISOR

MAY 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 : MAY 3, 2023
SAMPLING TIME : 10:45 HOUR
SAMPLING METHOD * : GRAB AND STERILE TECHNIQUE
SAMPLING BY * : MR SUKSAN BOONLEANG
ANALYZED BY : MISS PORNPAITIN LOYLUEN

RECEIVED DATE : MAY 3, 2023
ANALYTICAL DATE : MAY 3-8, 2023
REPORT NO. : 2023-U036827
WORK NO. : 2022-008320
ANALYSIS NO. : T23AH899-0004

ANALYZED BY: [REDACTED] / MISS DANIELA COLEEN					
PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (DEEP ZONE) T23AH899-0004		
MICROBIOLOGY					
<i>Staphylococcus aureus</i> #	/100 mL	MEMBRANE FILTER TECHNIQUE (SM: PART 9213 B)	NOT DETECTED	✓	-
SAMPLE CONDITION					
WATER'S COLOUR/TURBID			COLOURLESS/CLEAR		
SEDIMENT			-		

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

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

(MISS CHAWEEWAN BOONLA)
LABORATORY SUPERVISOR

MAY 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 : boonkhun.b@gcphotels.com
SAMPLING SOURCE : GRANDE CENTRE POINT HOTEL SUKHUMVIT 55
SAMPLE TYPE : WATER SAMPLE FROM SWIMMING POOL
SAMPLING DATE : MAY 3, 2023
SAMPLING TIME : 10:50 HOUR
SAMPLING METHOD ° : GRAB, GRAB AND STERILE TECHNIQUE
SAMPLING BY ° : MR SUKSAN BOONLEANG
ANALYZED BY : MISS ITSARIYAPORN BUATIB

RECEIVED DATE : MAY 3, 2023
ANALYTICAL DATE : MAY 3-11, 2023
REPORT NO. : 2023-U036828
WORK NO. : 2022-008320
ANALYSIS NO. : T23AH899-0005

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (SHALLOW ZONE) T23AH899-0005		
TOTAL DISSOLVED SOLIDS °	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: PART 2540 C)	4,389	-	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 18266)	NOT DETECTED	✓	-
SAMPLE CONDITION 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, 23rd EDITION, 2017.

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

✓ : DISEASE-CAUSING BACTERIA IS NOT DETECTED.

(MISS CHAWEEWAN BOONLA)
LABORATORY SUPERVISOR

MAY 19, 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 NUJA 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 : MAY 3, 2023
SAMPLING TIME : 10:50 HOUR
SAMPLING METHOD * : GRAB, GRAB AND STERILE TECHNIQUE
SAMPLING BY * : MR SUKSAN BOONLEANG
ANALYZED BY : MISS PORNPAILIN LOYLUEN

RECEIVED DATE : MAY 3, 2023
ANALYTICAL DATE : MAY 3-8, 2023
REPORT NO. : 2023-U036829
WORK NO. : 2022-008320
ANALYSIS NO. : T23AH899-0005

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (SHALLOW ZONE) T23AH899-0005		
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, 23rd 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]

(MISS CHAWEEWAN BOONLA)
LABORATORY SUPERVISOR

MAY 19, 2023



ANALYSIS REPORT

PROJECT NAME	: การตรวจวัดคุณภาพสิ่งแวดล้อม และการตรวจสอบการปฏิบัติตามมาตรการป้องกันและแก้ไขผลกระทบสิ่งแวดล้อมโครงการ 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	: MAY 12, 2023
SAMPLING DATE	: MAY 12, 2023	ANALYTICAL DATE	: MAY 12-17, 2023
SAMPLING TIME	: 13:30 HOUR	REPORT NO.	: 2023-U039407
SAMPLING METHOD °	: GRAB AND STERILE TECHNIQUE	WORK NO.	: 2022-008320
SAMPLING BY °	: MR SUKSAN BOONLEANG	ANALYSIS NO.	: T23A1548-0001
ANALYZED BY	: MISS ITSARIYAPORN BUATIB		

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (DEEP ZONE) T23A1548-0001		
MICROBIOLOGY					
COLIFORM BACTERIA ^b	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221B)	< 1.1	< 10	1.1
<i>E. coli</i> ^b	/100 mL	FLUOROGENIC SUBSTRATE TEST (SM: PART 9221 D AND F)	NOT DETECTED	NOT DETECTED	-
<i>Pseudomonas aeruginosa</i> ^c	/100 mL	MEMBRANE FILTER TECHNIQUE (ISO 16266)	DETECTED	1 ^d	-
SAMPLE CONDITION			COLOURLESS/CLEAR		
WATER'S COLOUR/TURBID SEDIMENT					

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

^b : 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, 23rd EDITION, 2017.

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

1/ : DISEASE-CAUSING BACTERIA IS NOT DETECTED.

(MISS CHAWEEWAN BOONLA)
LABORATORY SUPERVISOR

MAY 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 WATTANA 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 : MAY 12, 2023
SAMPLING TIME : 13:30 HOUR
SAMPLING METHOD * : GRAB AND STERILE TECHNIQUE
SAMPLING BY * : MR SUKSAN BOONLEANG
ANALYZED BY : MISS PORNPAILIN LOYLUEN

RECEIVED DATE : MAY 12, 2023
ANALYTICAL DATE : MAY 12-17, 2023
REPORT NO. : 2023-U039408
WORK NO. : 2022-008320
ANALYSIS NO. : T23A1548-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (DEEP ZONE) T23A1548-0001		
MICROBIOLOGY					
<i>Staphylococcus aureus</i> #	/100 mL	MEMBRANE FILTER TECHNIQUE (SM: PART 9213 B)	NOT DETECTED	✓	-
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, 23rd EDITION, 2017.

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

✓ : DISEASE-CAUSING BACTERIA IS NOT DETECTED.

(MISS CHAWEEWAN BOONLA)
LABORATORY SUPERVISOR

MAY 26, 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 NUJA 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 : MAY 12, 2023
SAMPLING TIME : 13:35 HOUR
SAMPLING METHOD ° : GRAB, GRAB AND STERILE TECHNIQUE
SAMPLING BY ° : MR SUKSAN BOONLEANG
ANALYZED BY : MISS ITSARIYAPORN BUATIB

RECEIVED DATE : MAY 12, 2023
ANALYTICAL DATE : MAY 12-22, 2023
REPORT NO. : 2023-U039409
WORK NO. : 2022-008320
ANALYSIS NO. : T23A1548-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (SHALLOW ZONE) T23A1548-0002		
TOTAL DISSOLVED SOLIDS °	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: PART 2540 C)	5,954	-	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	✓	-
SAMPLE CONDITION 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, 23rd EDITION, 2017.

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

✓ : DISEASE-CAUSING BACTERIA IS NOT DETECTED.

(MISS CHAWEEWAN BOONLA)
LABORATORY SUPERVISOR

MAY 26, 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** : MAY 12, 2023

SAMPLING DATE : MAY 12, 2023 **ANALYTICAL DATE** : MAY 12-17, 2023

SAMPLING TIME : 13:35 HOUR **REPORT NO.** : 2023-U039410

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

SAMPLING BY * : MR SUKSAN BOONLEANG **ANALYSIS NO.** : T23AI548-0002

ANALYZED BY : MISS PORNPAILIN LOYLUN

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (SHALLOW ZONE) T23AI548-0002		
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 (DMSQ)
* : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

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

(MISS CHAWEEWAN BOONLA)
LABORATORY SUPERVISOR

MAY 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 : MAY 17, 2023
SAMPLING TIME : 10:35 HOUR
SAMPLING METHOD ^a : GRAB AND STERILE TECHNIQUE
SAMPLING BY ^a : MR SUKSAN BOONLEANG
ANALYZED BY : MISS ITSARIYAPORN BUATIB
RECEIVED DATE : MAY 17, 2023
ANALYTICAL DATE : MAY 17-22, 2023
REPORT NO. : 2023-U040070
WORK NO. : 2022-008320
ANALYSIS NO. : T23A1981-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (DEEP ZONE) T23A1981-0001		
MICROBIOLOGY					
COLIFORM BACTERIA ^b	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221B)	< 1.1	< 10	1.1
<i>E. coli</i> ^b	/100 mL	FLUOROGENIC SUBSTRATE TEST (SM: PART 9221 D AND F)	NOT DETECTED	NOT DETECTED	-
<i>Pseudomonas aeruginosa</i> ^c	/100 mL	MEMBRANE FILTER TECHNIQUE (ISO 18265)	NOT DETECTED	✓	-
SAMPLE CONDITION WATER'S COLOUR/TURBID SEDIMENT			COLOURLESS/CLEAR -		

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

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

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

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

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

✓ : DISEASE-CAUSING BACTERIA IS NOT DETECTED.

(MISS CHAWEEWAN BOONLA)
LABORATORY SUPERVISOR

MAY 29, 2023



ANALYSIS REPORT

PROJECT NAME : การตรวจวัดคุณภาพสิ่งแวดล้อม และการตรวจสอบการปฏิบัติตามมาตรฐานการป้องกันและแก้ไขผลกระทบสิ่งแวดล้อม
CUSTOMER NAME : โครงการ GRANDE CENTRE POINT HOTEL SUKHUMVIT 55 ประจำปี 2566
ADDRESS : 300 SUKHUMVIT 55 (THONGLOR) KHLONG TAN NUEA WATTHANA BANGKOK 10110
CONTACT INFORMATION : TEL : 0 2020 8080, 08 7083 4737 e-mail : boonkhumb@gcphotels.com
SAMPLING SOURCE : GRANDE CENTRE POINT HOTEL SUKHUMVIT 55
SAMPLE TYPE : WATER SAMPLE FROM SWIMMING POOL
SAMPLING DATE : MAY 17, 2023
SAMPLING TIME : 10:35 HOUR
SAMPLING METHOD * : GRAB AND STERILE TECHNIQUE
SAMPLING BY * : MR SUKSAN BOONLEANG
ANALYZED BY : MISS KAMICA CHOOSOMBAT

RECEIVED DATE : MAY 17, 2023
ANALYTICAL DATE : MAY 17-21, 2023
REPORT NO. : 2023-U040071
WORK NO. : 2022-008320
ANALYSIS NO. : T23AI981-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (DEEP ZONE) T23AI981-0001		
MICROBIOLOGY					
<i>Staphylococcus aureus</i> #	/100 mL	MEMBRANE FILTER TECHNIQUE (SM: PART 9213 B)	NOT DETECTED	✓	-
SAMPLE CONDITION					
WATER'S COLOUR/TURBID SEDIMENT			COLOURLESS/CLEAR -		

: 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, 23rd EDITION, 2017.

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

✓ : DISEASE-CAUSING BACTERIA IS NOT DETECTED.

(MISS CHAWEEWAN BOONLA)
LABORATORY SUPERVISOR

MAY 29, 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@gcphotelis.com
SAMPLING SOURCE : GRANDE CENTRE POINT HOTEL SUKHUMVIT 55
SAMPLE TYPE : WATER SAMPLE FROM SWIMMING POOL
SAMPLING DATE : MAY 17, 2023
SAMPLING TIME : 10:40 HOUR
SAMPLING METHOD ^a : GRAB, GRAB AND STERILE TECHNIQUE
SAMPLING BY ^a : MR SUKSAN BOONLEANG
ANALYZED BY : MISS ITSARIYAPORN BUATIB

RECEIVED DATE : MAY 17, 2023
ANALYTICAL DATE : MAY 17-24, 2023
REPORT NO. : 2023-U040072
WORK NO. : 2022-008320
ANALYSIS NO. : T23A1981-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (SHALLOW ZONE) T23A1981-0002		
TOTAL DISSOLVED SOLIDS ^c	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: PART 2540 C)	5,660	-	25
MICROBIOLOGY					
COLIFORM BACTERIA ^b	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221B)	< 1.1	< 10	1.1
<i>E. coli</i> ^b	/100 mL	FLUOROGENIC SUBSTRATE TEST (SM: PART 9221 D AND F)	NOT DETECTED	NOT DETECTED	-
<i>Pseudomonas aeruginosa</i> ^c	/100 mL	MEMBRANE FILTER TECHNIQUE (ISO 18286)	NOT DETECTED	1/	-
SAMPLE CONDITION WATER'S COLOUR/TURBID SEDIMENT			COLOURLESS/CLEAR -		

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

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

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

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

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

1/ : DISEASE-CAUSING BACTERIA IS NOT DETECTED.

(MISS CHAWEEWAN BOONLA)
LABORATORY SUPERVISOR

MAY 29, 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 : MAY 17, 2023
SAMPLING TIME : 10:40 HOUR
SAMPLING METHOD * : GRAB, GRAB AND STERILE TECHNIQUE
SAMPLING BY * : MR SUKSAN BOONLEANG
ANALYZED BY : MISS KAMICA CHOOSOMBAT

RECEIVED DATE : MAY 17, 2023
ANALYTICAL DATE : MAY 17-21, 2023
REPORT NO. : 2023-U040073
WORK NO. : 2022-008320
ANALYSIS NO. : T23A1981-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (SHALLOW ZONE) T23A1981-0002		
MICROBIOLOGY					
<i>Staphylococcus aureus</i> #	/100 mL	MEMBRANE FILTER TECHNIQUE (SM: PART 9213 B)	NOT DETECTED	V	-
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, 23rd EDITION, 2017.

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

V : DISEASE-CAUSING BACTERIA IS NOT DETECTED.


(MISS CHAWEEWAN BOONLA)
LABORATORY SUPERVISOR

MAY 29, 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 : MAY 24, 2023
SAMPLING TIME : 10:40 HOUR
SAMPLING METHOD ° : GRAB AND STERILE TECHNIQUE
SAMPLING BY ° : MR SUKSAN BOONLEANG
ANALYZED BY : MISS ITSARIYAPORN BUATIB

RECEIVED DATE : MAY 24, 2023
ANALYTICAL DATE : MAY 24-27, 2023
REPORT NO. : 2023-U043138
WORK NO. : 2022-008320
ANALYSIS NO. : T23AJ561-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (DEEP ZONE) T23AJ561-0001		
MICROBIOLOGY					
COLIFORM BACTERIA ^b	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B)	< 1.1	< 10	1.1
<i>E. coli</i> ^b	/100 mL	FLUOROGENIC SUBSTRATE TEST (SM: PART 9221 D AND F)	NOT DETECTED	NOT DETECTED	-
<i>Pseudomonas aeruginosa</i> ^c	/100 mL	MEMBRANE FILTER TECHNIQUE (ISO 18266)	NOT DETECTED	1/	-
SAMPLE CONDITION					
WATER'S COLOUR/TURBID SEDIMENT			COLOURLESS/CLEAR -		

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

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

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

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

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

1/ : DISEASE-CAUSING BACTERIA IS NOT DETECTED.

(MISS CHAWEEWAN BOONLA)
LABORATORY SUPERVISOR

JUNE 2, 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 : MAY 24, 2023
SAMPLING TIME : 10:40 HOUR
SAMPLING METHOD * : GRAB AND STERILE TECHNIQUE
SAMPLING BY * : MR SUKSAN BOONLEANG
ANALYZED BY : MISS WIPHAPHORN SAENG SOPHA

RECEIVED DATE : MAY 24, 2023
ANALYTICAL DATE : MAY 24-27, 2023
REPORT NO. : 2023-U043139
WORK NO. : 2022-008320
ANALYSIS NO. : T23AJ561-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (DEEP ZONE) T23AJ561-0001		
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 (DMSO)
* : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

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

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

V : DISEASE-CAUSING BACTERIA IS NOT DETECTED.

(MISS CHAWEEWAN BOONLA)
LABORATORY SUPERVISOR

JUNE 2, 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 : MAY 24, 2023
SAMPLING TIME : 10:50 HOUR
SAMPLING METHOD ° : GRAB, GRAB AND STERILE TECHNIQUE
SAMPLING BY ° : MR SUKSAN BOONLEANG
ANALYZED BY : MISS ITSARIYAPORN BUATIB

RECEIVED DATE : MAY 24, 2023
ANALYTICAL DATE : MAY 24-30, 2023
REPORT NO. : 2023-U043140
WORK NO. : 2022-008320
ANALYSIS NO. : T23AJ561-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (SHALLOW ZONE) T23AJ561-0002		
TOTAL DISSOLVED SOLIDS °	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: PART 2540 C)	5,420	-	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 18266)	NOT DETECTED	1/	-
SAMPLE CONDITION 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, 23rd EDITION, 2017.

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

1/ : DISEASE-CAUSING BACTERIA IS NOT DETECTED.



(MISS CHAWEEWAN BOONLA)
LABORATORY SUPERVISOR

JUNE 2, 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 : MAY 24, 2023
SAMPLING TIME : 10:50 HOUR
SAMPLING METHOD * : GRAB, GRAB AND STERILE TECHNIQUE
SAMPLING BY * : MR SUKSAN BOONLEANG
ANALYZED BY : MISS WIPHAPHORN SAENG SOPHA

RECEIVED DATE : MAY 24, 2023
ANALYTICAL DATE : MAY 24-27, 2023
REPORT NO. : 2023-U043141
WORK NO. : 2022-008320
ANALYSIS NO. : T23AJ561-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (SHALLOW ZONE) T23AJ561-0002		
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 (DMSQ)
* : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

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

(MISS CHAWEEWAN BOONLA)
LABORATORY SUPERVISOR

JUNE 2, 2023



ANALYSIS REPORT

PROJECT NAME : การตรวจวัดคุณภาพสิ่งแวดล้อม และการตรวจสอบการปฏิบัติตามมาตรฐานป้องกันและแก้ไขผลกระทบสิ่งแวดล้อม
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
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 : MAY 31, 2023
SAMPLING TIME : 10:30 HOUR
SAMPLING METHOD ^a : GRAB AND STERILE TECHNIQUE
SAMPLING BY ^a : MR SUKSAN BOONLEANG
ANALYZED BY : MISS ITSARIYAPORN BUATIB
RECEIVED DATE : MAY 31, 2023
ANALYTICAL DATE : MAY 31 - JUNE 6, 2023
REPORT NO. : 2023-U044947
WORK NO. : 2022-008320
ANALYSIS NO. : T23AK055-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (DEEP ZONE) T23AK055-0001		
MICROBIOLOGY					
COLIFORM BACTERIA ^b	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221B)	< 1.1	< 10	1.1
<i>E. coli</i> ^b	/100 mL	FLUOROGENIC SUBSTRATE TEST (SM: PART 9221 D AND F)	NOT DETECTED	NOT DETECTED	-
<i>Pseudomonas aeruginosa</i> ^c	/100 mL	MEMBRANE FILTER TECHNIQUE (ISO 16285)	NOT DETECTED	1/	-
SAMPLE CONDITION WATER'S COLOUR/TURBID SEDIMENT			COLOURLESS/CLEAR		

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

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

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

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

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

1/ : DISEASE-CAUSING BACTERIA IS NOT DETECTED.

(MISS CHAWEEWAN BOONLA)
LABORATORY SUPERVISOR

JUNE 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@gcp-hotels.com
SAMPLING SOURCE : GRANDE CENTRE POINT HOTEL SUKHUMVIT 55
SAMPLE TYPE : WATER SAMPLE FROM SWIMMING POOL
SAMPLING DATE : MAY 31, 2023
SAMPLING TIME : 10:30 HOUR
SAMPLING METHOD * : GRAB AND STERILE TECHNIQUE
SAMPLING BY * : MR SUKSAN BOONLEANG
ANALYZED BY : MISS ITSARIYAPORN BUATIB

RECEIVED DATE : MAY 31, 2023
ANALYTICAL DATE : MAY 31 - JUNE 6, 2023
REPORT NO. : 2023-U044948
WORK NO. : 2022-008320
ANALYSIS NO. : T23AK055-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (DEEP ZONE) T23AK055-0001		
MICROBIOLOGY					
Staphylococcus aureus #	/100 mL	MEMBRANE FILTER TECHNIQUE (SM: PART 9213 B)	NOT DETECTED	✓	-
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, 23rd EDITION, 2017.

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

✓ : DISEASE-CAUSING BACTERIA IS NOT DETECTED.

(MISS CHAWEEWAN BOONLA)
LABORATORY SUPERVISOR

JUNE 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 : MAY 31, 2023
SAMPLING TIME : 10:35 HOUR
SAMPLING METHOD ° : GRAB, GRAB AND STERILE TECHNIQUE
SAMPLING BY ° : MR SUKSAN BOONLEANG
ANALYZED BY : MISS ITSARIYAPORN BUATIB

RECEIVED DATE : MAY 31, 2023
ANALYTICAL DATE : MAY 31 - JUNE 6, 2023
REPORT NO. : 2023-U044951
WORK NO. : 2022-008320
ANALYSIS NO. : T23AK055-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (SHALLOW ZONE) T23AK055-0002		
TOTAL DISSOLVED SOLIDS °	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: PART 2540 C)	4,900	-	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 18288)	NOT DETECTED	✓	-
SAMPLE CONDITION 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, 23rd EDITION, 2017.

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

✓ : DISEASE-CAUSING BACTERIA IS NOT DETECTED.

(MISS CHAWEEWAN BOONLA)
LABORATORY SUPERVISOR

JUNE 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 WATTANA 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 : MAY 31, 2023
SAMPLING TIME : 10:35 HOUR
SAMPLING METHOD * : GRAB, GRAB AND STERILE TECHNIQUE
SAMPLING BY * : MR SUKSAN BOONLEANG
ANALYZED BY : MISS ITSARIYAPORN BUATIB

RECEIVED DATE : MAY 31, 2023
ANALYTICAL DATE : MAY 31 - JUNE 6, 2023
REPORT NO. : 2023-U044952
WORK NO. : 2022-008320
ANALYSIS NO. : T23AK055-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (SHALLOW ZONE) T23AK055-0002		
MICROBIOLOGY					
<i>Staphylococcus aureus</i> #	/100 mL	MEMBRANE FILTER TECHNIQUE (SM: PART 9213 B)	NOT DETECTED	✓	-
SAMPLE CONDITION WATER'S COLOUR/TURBID SEDIMENT			COLOURLESS/CLEAR -		

: 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, 23rd EDITION, 2017.
REGULATORY STANDARD : BANGKOK METROPOLITAN REGULATIONS FOR THE BUSINESS DISTRICTIONAL TO HEALTH, B.E. 2530 (1987).
✓ : DISEASE-CAUSING BACTERIA IS NOT DETECTED.

(MISS CHAWEEWAN BOONLA)
LABORATORY SUPERVISOR

JUNE 8, 2023



ANALYSIS REPORT

PROJECT NAME : การตรวจวัดคุณภาพสิ่งแวดล้อม และการตรวจสอบการปฏิบัติตามมาตรฐานการป้องกันและควบคุมสิ่งแวดล้อม
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 : boonkhun.b@gcp-hotels.com
SAMPLE TYPE : GRANDE CENTRE POINT HOTEL SUKHUMVIT 55
SAMPLING DATE : WATER SAMPLE FROM SWIMMING POOL
SAMPLING TIME : JUNE 7, 2023
SAMPLING METHOD ° : 11:45 HOUR
SAMPLING BY ° : GRAB AND STERILE TECHNIQUE
ANALYZED BY : MR SUKSAN BOONLEANG
: MISS ITSARIYAPORN BUATIB

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (DEEP ZONE) T23AK573-0004		
MICROBIOLOGY					
COLIFORM BACTERIA ^b	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221B)	< 1.1	< 10	1.1
<i>E. coli</i> ^b	/100 mL	FLUOROGENIC SUBSTRATE TEST (SM: PART 9221 D AND F)	NOT DETECTED	NOT DETECTED	-
<i>Pseudomonas aeruginosa</i> ^c	/100 mL	MEMBRANE FILTER TECHNIQUE (ISO 16286)	DETECTED	1	-
SAMPLE CONDITION WATER'S COLOUR/TURBID SEDIMENT			COLOURLESS/CLEAR -		

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

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

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

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

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

1 : DISEASE-CAUSING BACTERIA IS NOT DETECTED.

(MISS CHAWEEWAN BOONLA)
LABORATORY SUPERVISOR

JUNE 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 : JUNE 7, 2023
SAMPLING TIME : 11:45 HOUR
SAMPLING METHOD * : GRAB AND STERILE TECHNIQUE
SAMPLING BY * : MR SUKSAN BOONLEANG
ANALYZED BY : MISS ITSARIYAPORN BUATIB

RECEIVED DATE : JUNE 8, 2023
ANALYTICAL DATE : JUNE 8-13, 2023
REPORT NO. : 2023-U049398
WORK NO. : 2022-008320
ANALYSIS NO. : T23AK573-0004

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (DEEP ZONE) T23AK573-0004		
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, 23rd EDITION, 2017.

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

1[†] : DISEASE-CAUSING BACTERIA IS NOT DETECTED.

.....
(MISS CHAWEEWAN BOONLA)
LABORATORY SUPERVISOR

JUNE 21, 2023



ANALYSIS REPORT

PROJECT NAME : การตรวจวัดคุณภาพสิ่งแวดล้อม และการตรวจสอบการปฏิบัติตามมาตรฐานท้องถิ่นและแก้ไขผลกระทบสิ่งแวดล้อม
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 : boonkhumb@gcp-hotels.com
SAMPLING SOURCE : GRANDE CENTRE POINT HOTEL SUKHUMVIT 55
SAMPLE TYPE : WATER SAMPLE FROM SWIMMING POOL
SAMPLING DATE : JUNE 7, 2023
SAMPLING TIME : 11:40 HOUR
SAMPLING METHOD ° : GRAB, GRAB AND STERILE TECHNIQUE
SAMPLING BY ° : MR SUKSAN BOONLEANG
ANALYZED BY : MISS ITSARYAPORN BUATTB

RECEIVED DATE : JUNE 8, 2023
ANALYTICAL DATE : JUNE 8-14, 2023
REPORT NO. : 2023-U049399
WORK NO. : 2022-008320
ANALYSIS NO. : T23AK573-0005

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (SHALLOW ZONE) T23AK573-0005		
TOTAL DISSOLVED SOLIDS °	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: PART 2540 C)	5,239	-	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	✓	-
SAMPLE CONDITION 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, 23rd EDITION, 2017.

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

✓ : DISEASE-CAUSING BACTERIA IS NOT DETECTED.

(MISS CHAWEEWAN BOONLA)
LABORATORY SUPERVISOR

JUNE 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 : JUNE 7, 2023
SAMPLING TIME : 11:40 HOUR
SAMPLING METHOD * : GRAB AND STERILE TECHNIQUE
SAMPLING BY * : MR SUKSAN BOONLEANG
ANALYZED BY : MISS ITSARIYAPORN BUATIB

RECEIVED DATE : JUNE 8, 2023
ANALYTICAL DATE : JUNE 8-13, 2023
REPORT NO. : 2023-U049400
WORK NO. : 2022-008320
ANALYSIS NO. : T23AK573-0005

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (SHALLOW ZONE) T23AK573-0005		
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 (DMSQ)
* : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

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

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

1/ : DISEASE-CAUSING BACTERIA IS NOT DETECTED.

(MISS CHAWEEWAN BOONLA)
LABORATORY SUPERVISOR

JUNE 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 : JUNE 14, 2023
SAMPLING TIME : 10:35 HOUR
SAMPLING METHOD : GRAB AND STERILE TECHNIQUE
SAMPLING BY : MR SUKSAN BOONLEANG
ANALYZED BY : MISS ITSARTYAPORN BUATIB

RECEIVED DATE : JUNE 14, 2023
ANALYTICAL DATE : JUNE 14-20, 2023
REPORT NO. : 2023-U050851
WORK NO. : 2022-008320
ANALYSIS NO. : T23AL211-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (DEEP ZONE) T23AL211-0001		
MICROBIOLOGY					
COLIFORM BACTERIA ^b	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B)	< 1.1	< 10	1.1
<i>E. coli</i> ^b	/100 mL	FLUOROGENIC SUBSTRATE TEST (SM: PART 9221 D AND F)	NOT DETECTED	NOT DETECTED	-
<i>Pseudomonas aeruginosa</i> ^c	/100 mL	MEMBRANE FILTER TECHNIQUE (ISO 16266)	DETECTED	✓	-
SAMPLE CONDITION WATER'S COLOUR/TURBID SEDIMENT			COLOURLESS/CLEAR -		

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

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

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

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

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

✓ : DISEASE-CAUSING BACTERIA IS NOT DETECTED.

(MISS CHAWEEWAN BOONLA)
LABORATORY SUPERVISOR

JUNE 23, 2023

ANALYSIS REPORT

PROJECT NAME : การตรวจวิเคราะห์คุณภาพสิ่งแวดล้อม 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 : JUNE 14, 2023

SAMPLING TIME : 10:40 HOUR

SAMPLING METHOD ^a : GRAB, GRAB AND STERILE TECHNIQUE

SAMPLING BY ^a : MR SUKSAN BOONLEANG

ANALYZED BY : MISS ITSARIYAPORN BUATIB

RECEIVED DATE : JUNE 14, 2023

ANALYTICAL DATE : JUNE 14-21, 2023

REPORT NO. : 2023-U050853

WORK NO. : 2022-008320

ANALYSIS NO. : T23AL211-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (SHALLOW ZONE) T23AL211-0002		
TOTAL DISSOLVED SOLIDS ^a	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM PART 2540 C)	4.010	-	25
MICROBIOLOGY					
COLIFORM BACTERIA ^b	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B)	< 1.1	< 10	1.1
<i>E. coli</i> ^b	/100 mL	FLUOROGENIC SUBSTRATE TEST (SM: PART 9221 D AND F)	NOT DETECTED	NOT DETECTED	-
<i>Pseudomonas aeruginosa</i> ^c	/100 mL	MEMBRANE FILTER TECHNIQUE (ISO 16266)	NOT DETECTED	1/	-
SAMPLE CONDITION WATER'S COLOUR/TURBID SEDIMENT			COLOURLESS/CLEAR		

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

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

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

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

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

1/ : DISEASE-CAUSING BACTERIA IS NOT DETECTED.

(MISS CHAWEEWAN BOONLA)
LABORATORY SUPERVISOR

JUNE 23, 2023



ANALYSIS REPORT

PROJECT NAME : การตรวจวัดคุณภาพสิ่งแวดล้อม และการตรวจสอบการปฏิบัติตามมาตรฐานการป้องกันและแก้ไขผลกระทบต่อสิ่งแวดล้อม
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 : JUNE 14, 2023

SAMPLING TIME : 10:40 HOUR

SAMPLING METHOD * : GRAB, GRAB AND STERILE TECHNIQUE

SAMPLING BY * : MR SUKSAN BOONLEANG

ANALYZED BY : MISS ITSARIYAPORN BUATIB

RECEIVED DATE : JUNE 14, 2023

ANALYTICAL DATE : JUNE 14-20, 2023

REPORT NO. : 2023-U050854

WORK NO. : 2022-008320

ANALYSIS NO. : T23AL211-0002

ANALYZED BY : MISS T. SARETHA ON 18/07/2023					
PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (SHALLOW ZONE) T23AL211-0002		
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 (DMSQ)
* : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

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

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

1/ : DISEASE-CAUSING BACTERIA IS NOT DETECTED.

(MISS CHAWEEWAN BOONLA)
LABORATORY SUPERVISOR

JUNE 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 : boonkhumb@gcphotels.com
SAMPLING SOURCE : GRANDE CENTRE POINT HOTEL SUKHUMVIT 55
SAMPLE TYPE : WATER SAMPLE FROM SWIMMING POOL
SAMPLING DATE : JUNE 21, 2023
SAMPLING TIME : 10:20 HOUR
SAMPLING METHOD ^a : GRAB AND STERILE TECHNIQUE
SAMPLING BY ^a : MR SUKSA BOONLEANG
ANALYZED BY : MISS ITSARJAPORN BUATTIB

RECEIVED DATE : JUNE 21, 2023
ANALYTICAL DATE : JUNE 21-27, 2023
REPORT NO. : 2023-U052680
WORK NO. : 2022-008320
ANALYSIS NO. : T23AL723-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (DEEP ZONE) T23AL723-0001		
MICROBIOLOGY					
COLIFORM BACTERIA ^b	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221B)	< 1.1	< 10	1.1
<i>E. coli</i> ^b	/100 mL	FLUOROGENIC SUBSTRATE TEST (SM: PART 9221 D AND F)	NOT DETECTED	NOT DETECTED	-
<i>Pseudomonas aeruginosa</i> ^c	/100 mL	MEMBRANE FILTER TECHNIQUE (ISO 18266)	NOT DETECTED	1/	-
SAMPLE CONDITION					
WATER'S COLOUR/TURBID SEDIMENT			COLOURLESS/CLEAR -		

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

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

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

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

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

1/ : DISEASE-CAUSING BACTERIA IS NOT DETECTED.



(MISS CHAWEEWAN BOONLA)
LABORATORY SUPERVISOR

JUNE 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 : JUNE 21, 2023
SAMPLING TIME : 10:20 HOUR
SAMPLING METHOD * : GRAB AND STERILE TECHNIQUE
SAMPLING BY * : MR SUKSAN BOONLEANG
ANALYZED BY : MISS JITSAMON NGAMKANA

RECEIVED DATE : JUNE 21, 2023
ANALYTICAL DATE : JUNE 21-27, 2023
REPORT NO. : 2023-U052681
WORK NO. : 2022-008320
ANALYSIS NO. : T23AL723-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (DEEP ZONE) T23AL723-0001		
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, 23rd EDITION, 2017.
REGULATORY STANDARD : BANGKOK METROPOLITAN REGULATIONS FOR THE BUSINESS DISTRIMENTAL TO HEALTH, B.E. 2530 (1987).
1/ : DISEASE-CAUSING BACTERIA IS NOT DETECTED.

(MISS CHAWEEWAN BOONLA)
LABORATORY SUPERVISOR

JUNE 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 : boonkhumb@gcphotels.com
SAMPLING SOURCE : GRANDE CENTRE POINT HOTEL SUKHUMVIT 55
SAMPLE TYPE : WATER SAMPLE FROM SWIMMING POOL
SAMPLING DATE : JUNE 21, 2023
SAMPLING TIME : 10:30 HOUR
SAMPLING METHOD^c : GRAB, GRAB AND STERILE TECHNIQUE
SAMPLING BY^a : MR SUKSAN BOONLEANG
ANALYZED BY : MISS ITSARIYAPORN BUATIB

RECEIVED DATE : JUNE 21, 2023
ANALYTICAL DATE : JUNE 21-28, 2023
REPORT NO. : 2023-U052682
WORK NO. : 2022-008320
ANALYSIS NO. : T23AL723-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (SHALLOW ZONE) T23AL723-0002		
TOTAL DISSOLVED SOLIDS ^c	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: PART 2540 C)	4,873	-	25
MICROBIOLOGY					
COLIFORM BACTERIA ^b	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221B)	< 1.1	< 10	1.1
<i>E. coli</i> ^b	/100 mL	FLUOROGENIC SUBSTRATE TEST (SM: PART 9221 D AND F)	NOT DETECTED	NOT DETECTED	-
<i>Pseudomonas aeruginosa</i> ^c	/100 mL	MEMBRANE FILTER TECHNIQUE (ISO 16266)	NOT DETECTED	1	-
SAMPLE CONDITION WATER'S COLOUR/TURBID SEDIMENT			COLOURLESS/CLEAR -		

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

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

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

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

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

1/ : DISEASE-CAUSING BACTERIA IS NOT DETECTED.

.....
(MISS CHAWEEWAN BOONLA)
LABORATORY SUPERVISOR

JUNE 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 : JUNE 21, 2023
SAMPLING TIME : 10:30 HOUR
SAMPLING METHOD * : GRAB, GRAB AND STERILE TECHNIQUE
SAMPLING BY * : MR SUKSAN BOONLEANG
ANALYZED BY : MISS JITSAMON NGAMKANA

RECEIVED DATE : JUNE 21, 2023
ANALYTICAL DATE : JUNE 21-27, 2023
REPORT NO. : 2023-U052683
WORK NO. : 2022-008320
ANALYSIS NO. : T23AL723-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (SHALLOW ZONE) T23AL723-0002		
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, 23rd EDITION, 2017.

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

1/ : DISEASE-CAUSING BACTERIA IS NOT DETECTED.



(MISS CHAWEEWAN BOONLA)
LABORATORY SUPERVISOR

JUNE 30, 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 : boonkhun.b@gcphotels.com
SAMPLING SOURCE : GRANDE CENTRE POINT HOTEL SUKHUMVIT 55
SAMPLE TYPE : WATER SAMPLE FROM SWIMMING POOL
SAMPLING DATE : JUNE 29, 2023
SAMPLING TIME : 14:40 HOUR
SAMPLING METHOD ° : GRAB AND STERILE TECHNIQUE
SAMPLING BY ° : MR SUKSAN BOONLEANG
ANALYZED BY : MISS ITSARIYAPORN BUATIB

RECEIVED DATE : JUNE 29, 2023
ANALYTICAL DATE : JUNE 29-JULY 5, 2023
REPORT NO. : 2023-U055179
WORK NO. : 2022-008320
ANALYSIS NO. : T23AM406-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (DEEP ZONE) T23AM406-0001		
MICROBIOLOGY					
COLIFORM BACTERIA ^b	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B)	< 1.1	< 10	1.1
<i>E. coli</i> ^b	/100 mL	FLUOROGENIC SUBSTRATE TEST (SM: PART 9221 D AND F)	NOT DETECTED	NOT DETECTED	-
<i>Pseudomonas aeruginosa</i> ^c	/100 mL	MEMBRANE FILTER TECHNIQUE (ISO 16266)	NOT DETECTED	✓	-
SAMPLE CONDITION WATER'S COLOUR/TURBID SEDIMENT			COLOURLESS/CLEAR -		

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

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

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

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

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

✓ : DISEASE-CAUSING BACTERIA IS NOT DETECTED.

(MISS CHAWEEWAN BOONLA)
LABORATORY SUPERVISOR

JULY 7, 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 : boonkhumb@gcphotels.com
SAMPLING SOURCE : GRANDE CENTRE POINT HOTEL SUKHUMVIT 55
SAMPLE TYPE : WATER SAMPLE FROM SWIMMING POOL
SAMPLING DATE : JUNE 29, 2023
SAMPLING TIME : 14:40 HOUR
SAMPLING METHOD * : GRAB AND STERILE TECHNIQUE
SAMPLING BY * : MR SUKSAN BOONLEANG
ANALYZED BY : MISS PORNPAILIN LOYLUEN

RECEIVED DATE : JUNE 29, 2023
ANALYTICAL DATE : JUNE 29-JULY 2, 2023
REPORT NO. : 2023-U055180
WORK NO. : 2022-008320
ANALYSIS NO. : T23AM406-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (DEEP ZONE) T23AM406-0001		
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 (DMSQ)
* : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23rd 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]

(MISS CHAWEEWAN BOONLA)
LABORATORY SUPERVISOR

JULY 7, 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@gcp-hotels.com
SAMPLING SOURCE : GRANDE CENTRE POINT HOTEL SUKHUMVIT 55
SAMPLE TYPE : WATER SAMPLE FROM SWIMMING POOL
SAMPLING DATE : JUNE 29, 2023
SAMPLING TIME : 14:50 HOUR
SAMPLING METHOD ^c : GRAB, GRAB AND STERILE TECHNIQUE
SAMPLING BY ^c : MR SUKSAN BOONLEANG
ANALYZED BY : MISS ITSARIYAPORN BUATIB

RECEIVED DATE : JUNE 29, 2023
ANALYTICAL DATE : JUNE 29-JULY 5, 2023
REPORT NO. : 2023-U055181
WORK NO. : 2022-008320
ANALYSIS NO. : T23AM406-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (SHALLOW ZONE) T23AM406-0002		
TOTAL DISSOLVED SOLIDS ^c	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: PART 2540 C)	4,980	-	25
MICROBIOLOGY					
COLIFORM BACTERIA ^b	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221B)	< 1.1	< 10	1.1
<i>E. coli</i> ^b	/100 mL	FLUOROGENIC SUBSTRATE TEST (SM: PART 9221D AND F)	NOT DETECTED	NOT DETECTED	-
<i>Pseudomonas aeruginosa</i> ^c	/100 mL	MEMBRANE FILTER TECHNIQUE (ISO 16256)	NOT DETECTED	1/	-
SAMPLE CONDITION WATER'S COLOUR/TURBID SEDIMENT			COLOURLESS/CLEAR -		

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

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

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

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

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

1/ : DISEASE-CAUSING BACTERIA IS NOT DETECTED.



(MISS CHAWEEWAN BOONLA)
LABORATORY SUPERVISOR

JULY 7, 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 : boonkhumb@gcphotels.com
SAMPLING SOURCE : GRANDE CENTRE POINT HOTEL SUKHUMVIT 55
SAMPLE TYPE : WATER SAMPLE FROM SWIMMING POOL
SAMPLING DATE : JUNE 29, 2023
SAMPLING TIME : 14:50 HOUR
SAMPLING METHOD * : GRAB, GRAB AND STERILE TECHNIQUE
SAMPLING BY * : MR SUKSAN BOONLEANG
ANALYZED BY : MISS PORNPAILIN LOYLUEAN
RECEIVED DATE : JUNE 29, 2023
ANALYTICAL DATE : JUNE 29-JULY 2, 2023
REPORT NO. : 2023-U055182
WORK NO. : 2022-008320
ANALYSIS NO. : T23AM406-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (SHALLOW ZONE) T23AM406-0002		
MICROBIOLOGY					
Staphylococcus aureus #	/100 mL	MEMBRANE FILTER TECHNIQUE (SM: PART 9213 B)	NOT DETECTED	✓	-
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, 23rd EDITION, 2017.
REGULATORY STANDARD : BANGKOK METROPOLITAN REGULATIONS FOR THE BUSINESS DISTRIEMENTAL TO HEALTH, B.E. 2530 (1987).
✓ : DISEASE-CAUSING BACTERIA IS NOT DETECTED.

[REDACTED]

(MISS CHAWEEWAN BOONLA)
LABORATORY SUPERVISOR

JULY 7, 2023

