

ภาคผนวก ค  
ใบรายงานผลการวิเคราะห์คุณภาพสิ่งแวดล้อม

- ค 1 รายงานผลการติดตามตรวจสอบคุณภาพน้ำสระว่ายนํ้า เดือนมกราคม พ.ศ. 2567
- ค 2 รายงานผลการติดตามตรวจสอบคุณภาพสระว่ายนํ้า เดือนกุมภาพันธ์ พ.ศ. 2567
- ค 3 รายงานผลการติดตามตรวจสอบคุณภาพสระว่ายนํ้า เดือนมีนาคม พ.ศ. 2567
- ค 4 รายงานผลการติดตามตรวจสอบคุณภาพสระว่ายนํ้า เดือนเมษายน พ.ศ. 2567
- ค 5 รายงานผลการติดตามตรวจสอบคุณภาพสระว่ายนํ้า เดือนพฤษภาคม พ.ศ. 2567
- ค 6 รายงานผลการติดตามตรวจสอบคุณภาพสระว่ายนํ้า เดือนมิถุนายน พ.ศ. 2567
- ค 7 รายงานผลการวิเคราะห์คุณภาพน้ำที่หอฝิ่งเย็น เดือนมิถุนายน พ.ศ. 2567



Grande Centre Point

SURAWONG • BANGKOK

ภาคผนวก ค 1

รายงานผลการติดตามตรวจสอบคุณภาพสระว่ายน้ำ

เดือนมกราคม พ.ศ. 2567



## ANALYSIS REPORT

**PROJECT NAME** : การตรวจวัดคุณภาพสิ่งแวดล้อม และการตรวจสอบการปฏิบัติตามมาตรการป้องกันและแก้ไขผลกระทบสิ่งแวดล้อม  
โครงการ GRANDE CENTRE POINT HOTEL SURAWONG ประจำปี 2567  
**CUSTOMER NAME** : L&H HOTEL MANAGEMENT COMPANY LIMITED  
**ADDRESS** : 299 SURAWONG ROAD, SURIYAWONG BANG RAK BANGKOK  
**CONTACT INFORMATION** : TEL : 0 2091 9000, 08 6901 0182 e-mail : phatsakon.c@gcphotels.com  
**SAMPLING SOURCE** : GRANDE CENTRE POINT HOTEL SURAWONG  
**SAMPLE TYPE** : WATER SAMPLE FROM SWIMMING POOL  
**SAMPLING DATE** : JANUARY 24, 2024  
**SAMPLING TIME** : 12:00 HOUR  
**SAMPLING METHOD <sup>c</sup>** : GRAB AND STERILE TECHNIQUE  
**SAMPLING BY <sup>c</sup>** : MR SUKSAN BOONLEANG  
**ANALYZED BY** : MR PITTAPAN LAEKOD  
**RECEIVED DATE** : JANUARY 24, 2024  
**ANALYTICAL DATE** : JANUARY 24-31, 2024  
**ISSUE DATE** : FEBRUARY 2, 2024  
**REPORT NO.** : 2024-U009126  
**WORK NO.** : 2023-004357  
**ANALYSIS NO.** : T24AB476-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (SHALLOW ZONE) T24AB476-0001		
MICROBIOLOGY					
COLIFORM BACTERIA <sup>b</sup>	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221B)	< 1.1	< 10	1.1
<i>E. coli</i> <sup>b</sup>	/100 mL	FLUOROGENIC SUBSTRATE TEST (SM: PART 9221 D AND F)	NOT DETECTED	NOT DETECTED	-
<i>Staphylococcus aureus</i> <sup>c</sup>	/100 mL	MEMBRANE FILTER TECHNIQUE (SM: PART 9213 B)	NOT DETECTED	NOT DETECTED	-
<i>Pseudomonas aeruginosa</i> <sup>c</sup>	/100 mL	MEMBRANE FILTER TECHNIQUE (ISO 16266)	NOT DETECTED	NOT DETECTED	-
SAMPLE CONDITION WATER'S COLOUR/TURBID SEDIMENT			COLOURLESS/CLEAR -		

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

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

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

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

REGULATORY STANDARD : RECOMMENDATIONS OF PUBLIC HEALTH COMMITTEE NO. 1/2550; CONTROL OF SWIMMING POOLS BUSINESSES OR  
OTHER SIMILAR BUSINESSES.



(MISS CHAWEEWAN BOONLA)  
LABORATORY SUPERVISOR

FEBRUARY 5, 2024



## ANALYSIS REPORT

**PROJECT NAME** : การตรวจวัดคุณภาพสิ่งแวดล้อม และการตรวจสอบการปฏิบัติตามมาตรฐานการป้องกันและแก้ไขผลกระทบสิ่งแวดล้อม  
โครงการ GRANDE CENTRE POINT HOTEL SURAWONG ประจำปี 2567  
**CUSTOMER NAME** : L&H HOTEL MANAGEMENT COMPANY LIMITED  
**ADDRESS** : 299 SURAWONG ROAD, SURIYAWONG BANG RAK BANGKOK  
**CONTACT INFORMATION** : TEL : 0 2091 9000, 08 6901 0182 e-mail : phatsakon.c@gcphotels.com  
**SAMPLING SOURCE** : GRANDE CENTRE POINT HOTEL SURAWONG  
**SAMPLE TYPE** : WATER SAMPLE FROM SWIMMING POOL  
**SAMPLING DATE** : JANUARY 24, 2024  
**SAMPLING TIME** : 12:05 HOUR  
**SAMPLING METHOD <sup>c</sup>** : GRAB AND STERILE TECHNIQUE  
**SAMPLING BY <sup>c</sup>** : MR SUKSAN BOONLEANG  
**ANALYZED BY** : MR PITTAPAN LAEKOOD

**RECEIVED DATE** : JANUARY 24, 2024  
**ANALYTICAL DATE** : JANUARY 24-31, 2024  
**ISSUE DATE** : FEBRUARY 2, 2024  
**REPORT NO.** : 2024-U009127  
**WORK NO.** : 2023-004357  
**ANALYSIS NO.** : T24AB476-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (DEEP ZONE) T24AB476-0002		
MICROBIOLOGY					
COLIFORM BACTERIA <sup>b</sup>	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B)	< 1.1	< 10	1.1
<i>E. coli</i> <sup>b</sup>	/100 mL	FLUOROGENIC SUBSTRATE TEST (SM: PART 9221 D AND F)	NOT DETECTED	NOT DETECTED	-
<i>Staphylococcus aureus</i> <sup>c</sup>	/100 mL	MEMBRANE FILTER TECHNIQUE (SM: PART 9213 B)	DETECTED	NOT DETECTED	-
<i>Pseudomonas aeruginosa</i> <sup>c</sup>	/100 mL	MEMBRANE FILTER TECHNIQUE (ISO 16266)	NOT DETECTED	NOT DETECTED	-
SAMPLE CONDITION WATER'S COLOUR/TURBID SEDIMENT			COLOURLESS/CLEAR		

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

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

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

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

REGULATORY STANDARD : RECOMMENDATIONS OF PUBLIC HEALTH COMMITTEE NO. 1/2550; CONTROL OF SWIMMING POOLS BUSINESSES OR OTHER SIMILAR BUSINESSES.

(MISS CHAWEEWAN BOONLA)  
LABORATORY SUPERVISOR

FEBRUARY 5, 2024



ภาคผนวก ค 2

รายงานผลการติดตามตรวจสอบคุณภาพน้ำสระว่ายนํ้า  
เดือนกุมภาพันธ์ พ.ศ. 2567



## ANALYSIS REPORT

**PROJECT NAME** : การตรวจวัดคุณภาพสิ่งแวดล้อม และการตรวจสอบการปฏิบัติตามมาตรฐานการป้องกันและแก้ไขผลกระทบสิ่งแวดล้อม  
โครงการ GRANDE CENTRE POINT HOTEL SURAWONG ประจำปี 2567  
**CUSTOMER NAME** : L&H HOTEL MANAGEMENT COMPANY LIMITED  
**ADDRESS** : 299 SURAWONG ROAD, SURIYAWONG BANG RAK BANGKOK  
**CONTACT INFORMATION** : TEL : 0 2091 9000, 08 6901 0182 e-mail : phatsakon.c@gcphotels.com  
**SAMPLING SOURCE** : GRANDE CENTRE POINT HOTEL SURAWONG  
**SAMPLE TYPE** : WATER SAMPLE FROM SWIMMING POOL  
**SAMPLING DATE** : FEBRUARY 16, 2024  
**SAMPLING TIME** : 12:00 HOUR  
**SAMPLING METHOD °** : GRAB AND STERILE TECHNIQUE  
**SAMPLING BY °** : MR SUKSAN BOONLEANG  
**ANALYZED BY** : MISS SALISA KAMWANNA  
**RECEIVED DATE** : FEBRUARY 16, 2024  
**ANALYTICAL DATE** : FEBRUARY 16-21, 2024  
**ISSUE DATE** : FEBRUARY 23, 2024  
**REPORT NO.** : 2024-U016004  
**WORK NO.** : 2023-004357  
**ANALYSIS NO.** : T24AD228-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (SHALLOW ZONE) T24AD228-0001		
MICROBIOLOGY					
COLIFORM BACTERIA <sup>b</sup>	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B)	< 1.1	< 10	1.1
<i>E. coli</i> <sup>b</sup>	/100 mL	FLUOROGENIC SUBSTRATE TEST (SM: PART 9221 D AND F)	NOT DETECTED	NOT DETECTED	-
<i>Staphylococcus aureus</i> <sup>c</sup>	/100 mL	MEMBRANE FILTER TECHNIQUE (SM: PART 9213 B)	NOT DETECTED	NOT DETECTED	-
<i>Pseudomonas aeruginosa</i> <sup>c</sup>	/100 mL	MEMBRANE FILTER TECHNIQUE (ISO 16266)	NOT DETECTED	NOT DETECTED	-
SAMPLE CONDITION WATER'S COLOUR,TURBID SEDIMENT			COLOURLESS/CLEAR -		

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

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

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

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

REGULATORY STANDARD : RECOMMENDATIONS OF PUBLIC HEALTH COMMITTEE NO. 1/2550; CONTROL OF SWIMMING POOLS BUSINESSES OR OTHER SIMILAR BUSINESSES.

(MISS CHAWEEWAN BOONLA)  
LABORATORY SUPERVISOR

FEBRUARY 27, 2024





## ANALYSIS REPORT

**PROJECT NAME** : การตรวจวัดคุณภาพสิ่งแวดล้อม และการตรวจสอบการปฏิบัติตามมาตรการป้องกันและแก้ไขผลกระทบสิ่งแวดล้อม  
โครงการ GRANDE CENTRE POINT HOTEL SURAWONG ประจำปี 2567  
**CUSTOMER NAME** : L&H HOTEL MANAGEMENT COMPANY LIMITED  
**ADDRESS** : 299 SURAWONG ROAD, SURYAWONG BANG RAK BANGKOK  
**CONTACT INFORMATION** : TEL : 0 2091 9000, 08 6901 0182 e-mail : phatsakon.c@gcphotels.com  
**SAMPLING SOURCE** : GRANDE CENTRE POINT HOTEL SURAWONG  
**SAMPLE TYPE** : WATER SAMPLE FROM SWIMMING POOL  
**SAMPLING DATE** : FEBRUARY 16, 2024  
**SAMPLING TIME** : 12:05 HOUR  
**SAMPLING METHOD <sup>c</sup>** : GRAB AND STERILE TECHNIQUE  
**SAMPLING BY <sup>c</sup>** : MR SUKSAN BOONLEANG  
**ANALYZED BY** : MISS SALISA KAMWANNA  
**RECEIVED DATE** : FEBRUARY 16, 2024  
**ANALYTICAL DATE** : FEBRUARY 16-21, 2024  
**ISSUE DATE** : FEBRUARY 23, 2024  
**REPORT NO.** : 2024-U016006  
**WORK NO.** : 2023-004357  
**ANALYSIS NO.** : T24AD228-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (DEEP ZONE) T24AD228-0002		
MICROBIOLOGY					
COLIFORM BACTERIA <sup>b</sup>	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B)	< 1.1	< 10	1.1
<i>E. coli</i> <sup>b</sup>	/100 mL	FLUOROGENIC SUBSTRATE TEST (SM: PART 9221 D AND F)	NOT DETECTED	NOT DETECTED	-
<i>Staphylococcus aureus</i> <sup>c</sup>	/100 mL	MEMBRANE FILTER TECHNIQUE (SM: PART 9213 B)	NOT DETECTED	NOT DETECTED	-
<i>Pseudomonas aeruginosa</i> <sup>c</sup>	/100 mL	MEMBRANE FILTER TECHNIQUE (ISO 16266)	NOT DETECTED	NOT DETECTED	-
SAMPLE CONDITION WATER'S COLOUR/TURBID SEDIMENT			COLOURLESS/CLEAR -		

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

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

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

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

REGULATORY STANDARD : RECOMMENDATIONS OF PUBLIC HEALTH COMMITTEE NO. 1/2550; CONTROL OF SWIMMING POOLS BUSINESSES OR OTHER SIMILAR BUSINESSES.

(MISS CHAWEEWAN BOONLA)  
LABORATORY SUPERVISOR

FEBRUARY 27, 2024



ภาคผนวก ค 3

รายงานผลการติดตามตรวจสอบคุณภาพน้ำสระว่ายนํ้า  
เดือนมีนาคม พ.ศ. 2567





## ANALYSIS REPORT

**PROJECT NAME** : การตรวจวัดคุณภาพสิ่งแวดล้อม และการตรวจสอบการปฏิบัติตามมาตรฐานการป้องกันและแก้ไขผลกระทบสิ่งแวดล้อม  
**CUSTOMER NAME** : L&H HOTEL MANAGEMENT COMPANY LIMITED  
**ADDRESS** : 299 SURAWONG ROAD, SURIAWONG BANG RAK BANGKOK  
**CONTACT INFORMATION** : TEL : 0 2091 9000, 08 6901 0182 e-mail : phatsakon.c@gcphotels.com  
**SAMPLING SOURCE** : GRANDE CENTRE POINT HOTEL SURAWONG  
**SAMPLE TYPE** : WATER SAMPLE FROM SWIMMING POOL  
**SAMPLING DATE** : MARCH 15, 2024  
**SAMPLING TIME** : 13:50 HOUR  
**SAMPLING METHOD °** : GRAB AND STERILE TECHNIQUE  
**SAMPLING BY °** : MR SUKSAN BOONLEANG  
**ANALYZED BY** : MISS SALISA KAMWANNA

**RECEIVED DATE** : MARCH 15, 2024  
**ANALYTICAL DATE** : MARCH 15-22, 2024  
**ISSUE DATE** : MARCH 26, 2024  
**REPORT NO.** : 2024-U025022  
**WORK NO.** : 2023-004357  
**ANALYSIS NO.** : T24AF485-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (SHALLOW ZONE) T24AF485-0001		
MICROBIOLOGY					
COLIFORM BACTERIA <sup>b</sup>	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221B)	< 1.1	< 10	1.1
<i>E. coli</i> <sup>b</sup>	/100 mL	FLUOROGENIC SUBSTRATE TEST (SM: PART 9221D AND F)	NOT DETECTED	NOT DETECTED	-
<i>Staphylococcus aureus</i> <sup>c</sup>	/100 mL	MEMBRANE FILTER TECHNIQUE (SM: PART 9213 B)	NOT DETECTED	NOT DETECTED	-
<i>Pseudomonas aeruginosa</i> <sup>c</sup>	/100 mL	MEMBRANE FILTER TECHNIQUE (ISO 16266)	NOT DETECTED	NOT DETECTED	-
SAMPLE CONDITION WATER'S COLOUR/TURBID SEDIMENT			COLOURLESS/CLEAR  -		

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

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

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

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

REGULATORY STANDARD : RECOMMENDATIONS OF PUBLIC HEALTH COMMITTEE NO. 1/2550; CONTROL OF SWIMMING POOLS BUSINESSES OR OTHER SIMILAR BUSINESSES.

(MISS CHAWEEWAN BOONLA)  
LABORATORY SUPERVISOR

MARCH 27, 2024



## ANALYSIS REPORT

**PROJECT NAME** : การตรวจวัดคุณภาพสิ่งแวดล้อม และการตรวจสอบการปฏิบัติตามมาตรฐานการป้องกันและแก้ไขผลกระทบสิ่งแวดล้อม  
**CUSTOMER NAME** : L&H HOTEL MANAGEMENT COMPANY LIMITED  
**ADDRESS** : 299 SURAWONG ROAD, SURIAWONG BANG RAK BANGKOK  
**CONTACT INFORMATION** : TEL : 0 2091 9000, 08 6901 0182 e-mail : phatsakon.c@gcphotels.com  
**SAMPLING SOURCE** : GRANDE CENTRE POINT HOTEL SURAWONG  
**SAMPLE TYPE** : WATER SAMPLE FROM SWIMMING POOL  
**SAMPLING DATE** : MARCH 15, 2024  
**SAMPLING TIME** : 13:55 HOUR  
**SAMPLING METHOD °** : GRAB AND STERILE TECHNIQUE  
**SAMPLING BY °** : MR SUKSAN BOONLEANG  
**ANALYZED BY** : MISS SALISA KAMWANNA  
**RECEIVED DATE** : MARCH 15, 2024  
**ANALYTICAL DATE** : MARCH 15-22, 2024  
**ISSUE DATE** : MARCH 26, 2024  
**REPORT NO.** : 2024-U025023  
**WORK NO.** : 2023-004357  
**ANALYSIS NO.** : T24AF485-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (DEEP ZONE) T24AF485-0002		
MICROBIOLOGY					
COLIFORM BACTERIA <sup>b</sup>	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221B)	< 1.1	< 10	1.1
<i>E. coli</i> <sup>b</sup>	/100 mL	FLUOROGENIC SUBSTRATE TEST (SM: PART 9221 D AND F)	NOT DETECTED	NOT DETECTED	-
<i>Staphylococcus aureus</i> <sup>c</sup>	/100 mL	MEMBRANE FILTER TECHNIQUE (SM: PART 9213 B)	NOT DETECTED	NOT DETECTED	-
<i>Pseudomonas aeruginosa</i> <sup>c</sup>	/100 mL	MEMBRANE FILTER TECHNIQUE (ISO 16266)	NOT DETECTED	NOT DETECTED	-
SAMPLE CONDITION					
WATER'S COLOUR/TURBID SEDIMENT			COLOURLESS/CLEAR -		

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

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

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

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

REGULATORY STANDARD : RECOMMENDATIONS OF PUBLIC HEALTH COMMITTEE NO. 1/2550; CONTROL OF SWIMMING POOLS BUSINESSES OR OTHER SIMILAR BUSINESSES.

(MISS CHAWEEWAN BOONLA)  
LABORATORY SUPERVISOR

MARCH 27, 2024



ภาคผนวก ค 4

รายงานผลการติดตามตรวจสอบคุณภาพน้ำสระว่ายนํ้า  
เดือนเมษายน พ.ศ. 2567



## ANALYSIS REPORT

**PROJECT NAME** : การตรวจวัดคุณภาพสิ่งแวดล้อม และการตรวจสอบการปฏิบัติตามมาตรการป้องกันและแก้ไขผลกระทบสิ่งแวดล้อม  
โครงการ GRANDE CENTRE POINT HOTEL SURAWONG ประจำปี 2567  
**CUSTOMER NAME** : L&H HOTEL MANAGEMENT COMPANY LIMITED  
**ADDRESS** : 299 SURAWONG ROAD, SURIYAWONG BANG RAK BANGKOK  
**CONTACT INFORMATION** : TEL : 0 2091 9000, 08 6901 0182 e-mail : phatsakon.c@gcphotels.com  
**SAMPLING SOURCE** : GRANDE CENTRE POINT HOTEL SURAWONG  
**SAMPLE TYPE** : WATER SAMPLE FROM SWIMMING POOL  
**SAMPLING DATE** : APRIL 4, 2024  
**SAMPLING TIME** : 11:00 HOUR  
**SAMPLING METHOD °** : GRAB AND STERILE TECHNIQUE  
**SAMPLING BY °** : MR SUKSAN BOONLEANG  
**ANALYZED BY** : MISS SUJIRA PRASERTSUKHO

**RECEIVED DATE** : APRIL 4, 2024  
**ANALYTICAL DATE** : APRIL 4-13, 2024  
**ISSUE DATE** : APRIL 23, 2024  
**REPORT NO.** : 2024-U032576  
**WORK NO.** : 2023-004357  
**ANALYSIS NO.** : T24AH216-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (SHALLOW ZONE) T24AH216-0001		
MICROBIOLOGY					
COLIFORM BACTERIA <sup>b</sup>	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221B)	< 1.1	< 10	1.1
<i>E. coli</i> <sup>b</sup>	/100 mL	FLUOROGENIC SUBSTRATE TEST (SM: PART 9221 D AND F)	NOT DETECTED	NOT DETECTED	-
<i>Staphylococcus aureus</i> <sup>c</sup>	/100 mL	MEMBRANE FILTER TECHNIQUE (SM: PART 9213 B)	NOT DETECTED	NOT DETECTED	-
<i>Pseudomonas aeruginosa</i> <sup>c</sup>	/100 mL	MEMBRANE FILTER TECHNIQUE (ISO 16266)	NOT DETECTED	NOT DETECTED	-
SAMPLE CONDITION WATER'S COLOUR/TURBID SEDIMENT			COLOURLESS/CLEAR -		

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

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

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

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

REGULATORY STANDARD : RECOMMENDATIONS OF PUBLIC HEALTH COMMITTEE NO. 1/2550; CONTROL OF SWIMMING POOLS BUSINESSES OR OTHER SIMILAR BUSINESSES.

(MISS CHAWEEWAN BOONLA)  
LABORATORY SUPERVISOR

APRIL 24, 2024



## ANALYSIS REPORT

**PROJECT NAME** : การตรวจวัดคุณภาพสิ่งแวดล้อม และการตรวจสอบการปฏิบัติตามมาตรการป้องกันและแก้ไขผลกระทบสิ่งแวดล้อม  
โครงการ GRANDE CENTRE POINT HOTEL SURAWONG ประจำปี 2567  
**CUSTOMER NAME** : L&H HOTEL MANAGEMENT COMPANY LIMITED  
**ADDRESS** : 299 SURAWONG ROAD, SURIYAWONG BANG RAK BANGKOK  
**CONTACT INFORMATION** : TEL : 0 2091 9000, 08 6901 0182 e-mail : phatsakon.c@gcphotels.com  
**SAMPLING SOURCE** : GRANDE CENTRE POINT HOTEL SURAWONG  
**SAMPLE TYPE** : WATER SAMPLE FROM SWIMMING POOL  
**SAMPLING DATE** : APRIL 4, 2024  
**SAMPLING TIME** : 11:05 HOUR  
**SAMPLING METHOD °** : GRAB AND STERILE TECHNIQUE  
**SAMPLING BY °** : MR SUKSAN BOONLEANG  
**ANALYZED BY** : MISS SUJIRA PRASERTSUKHO

**RECEIVED DATE** : APRIL 4, 2024  
**ANALYTICAL DATE** : APRIL 4-13, 2024  
**ISSUE DATE** : APRIL 23, 2024  
**REPORT NO.** : 2024-U032578  
**WORK NO.** : 2023-004357  
**ANALYSIS NO.** : T24AH216-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (DEEP ZONE) T24AH216-0002		
MICROBIOLOGY					
COLIFORM BACTERIA <sup>b</sup>	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B)	< 1.1	< 10	1.1
<i>E. coli</i> <sup>b</sup>	/100 mL	FLUOROGENIC SUBSTRATE TEST (SM: PART 9221 D AND F)	NOT DETECTED	NOT DETECTED	-
<i>Staphylococcus aureus</i> <sup>c</sup>	/100 mL	MEMBRANE FILTER TECHNIQUE (SM: PART 9213 B)	NOT DETECTED	NOT DETECTED	-
<i>Pseudomonas aeruginosa</i> <sup>c</sup>	/100 mL	MEMBRANE FILTER TECHNIQUE (ISO 16266)	NOT DETECTED	NOT DETECTED	-
SAMPLE CONDITION WATER'S COLOUR/TURBID SEDIMENT			COLOURLESS/CLEAR -		

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

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

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

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

REGULATORY STANDARD : RECOMMENDATIONS OF PUBLIC HEALTH COMMITTEE NO. 1/2550; CONTROL OF SWIMMING POOLS BUSINESSES OR OTHER SIMILAR BUSINESSES.

(MISS CHAWEEWAN BOONLA)  
LABORATORY SUPERVISOR

APRIL 24, 2024





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รายงานผลการติดตามตรวจสอบคุณภาพน้ำสระว่ายนํ้า  
เดือนพฤษภาคม พ.ศ. 2567





## ANALYSIS REPORT

**PROJECT NAME** : การตรวจวัดคุณภาพสิ่งแวดล้อม และการตรวจสอบการปฏิบัติตามมาตรฐานการป้องกันและแก้ไขผลกระทบสิ่งแวดล้อม  
โครงการ GRANDE CENTRE POINT HOTEL SURAWONG ประจำปี 2567  
**CUSTOMER NAME** : L&H HOTEL MANAGEMENT COMPANY LIMITED  
**ADDRESS** : 299 SURAWONG ROAD, SURIYAWONG BANG RAK BANGKOK  
**CONTACT INFORMATION** : TEL : 0 2091 9000, 08 6901 0182 e-mail : phatsakon.c@gcphotels.com  
**SAMPLING SOURCE** : GRANDE CENTRE POINT HOTEL SURAWONG  
**SAMPLE TYPE** : WATER SAMPLE FROM SWIMMING POOL  
**SAMPLING DATE** : MAY 15, 2024  
**SAMPLING TIME** : 12:20 HOUR  
**SAMPLING METHOD** : GRAB AND STERILE TECHNIQUE  
**SAMPLING BY** : MR SUKSAN BOONLEANG  
**ANALYZED BY** : MISS SUJIRA PRASERTSUKHO  
**RECEIVED DATE** : MAY 15, 2024  
**ANALYTICAL DATE** : MAY 15-22, 2024  
**ISSUE DATE** : MAY 24, 2024  
**REPORT NO.** : 2024-U044624  
**WORK NO.** : 2023-004357  
**ANALYSIS NO.** : T24AK273-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (SHALLOW ZONE) T24AK273-0001		
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>Staphylococcus aureus</i>	/100 mL	MEMBRANE FILTER TECHNIQUE (SM: PART 9213 B)	NOT DETECTED	NOT DETECTED	-
<i>Pseudomonas aeruginosa</i>	/100 mL	MEMBRANE FILTER TECHNIQUE (ISO 16266)	NOT DETECTED	NOT DETECTED	-
SAMPLE CONDITION WATER'S COLOUR/TURBID SEDIMENT			COLOURLESS/CLEAR -		

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

REGULATORY STANDARD : RECOMMENDATIONS OF PUBLIC HEALTH COMMITTEE NO. 1/2550; CONTROL OF SWIMMING POOLS BUSINESSES OR OTHER SIMILAR BUSINESSES.

(MISS CHAWEEWAN BOONLA)  
LABORATORY SUPERVISOR



## ANALYSIS REPORT

**PROJECT NAME** : การตรวจวัดคุณภาพสิ่งแวดล้อม และการตรวจสอบการปฏิบัติตามมาตรฐานการป้องกันและแก้ไขผลกระทบสิ่งแวดล้อม  
โครงการ GRANDE CENTRE POINT HOTEL SURAWONG ประจำปี 2567  
**CUSTOMER NAME** : L&H HOTEL MANAGEMENT COMPANY LIMITED  
**ADDRESS** : 299 SURAWONG ROAD, SURIYAWONG BANG RAK BANGKOK  
**CONTACT INFORMATION** : TEL : 0 2091 9000, 08 6901 0182 e-mail : phatsakon.c@gcphotels.com  
**SAMPLING SOURCE** : GRANDE CENTRE POINT HOTEL SURAWONG  
**SAMPLE TYPE** : WATER SAMPLE FROM SWIMMING POOL  
**SAMPLING DATE** : MAY 15, 2024  
**SAMPLING TIME** : 12:25 HOUR  
**SAMPLING METHOD** : GRAB AND STERILE TECHNIQUE  
**SAMPLING BY** : MR SUKSAN BOONLEANG  
**ANALYZED BY** : MISS SUJIRA PRASERTSUKHO

**RECEIVED DATE** : MAY 15, 2024  
**ANALYTICAL DATE** : MAY 15-22, 2024  
**ISSUE DATE** : MAY 24, 2024  
**REPORT NO.** : 2024-U044625  
**WORK NO.** : 2023-004357  
**ANALYSIS NO.** : T24AK273-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (DEEP ZONE) T24AK273-0002		
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>Staphylococcus aureus</i>	/100 mL	MEMBRANE FILTER TECHNIQUE (SM: PART 9213 B)	NOT DETECTED	NOT DETECTED	-
<i>Pseudomonas aeruginosa</i>	/100 mL	MEMBRANE FILTER TECHNIQUE (ISO 16266)	NOT DETECTED	NOT DETECTED	-
SAMPLE CONDITION WATER'S COLOUR/TURBID SEDIMENT			COLOURLESS/CLEAR -		

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

REGULATORY STANDARD : RECOMMENDATIONS OF PUBLIC HEALTH COMMITTEE NO. 1/2550; CONTROL OF SWIMMING POOLS BUSINESSES OR OTHER SIMILAR BUSINESSES.

(MISS CHAWEEWAN BOONLA)  
LABORATORY SUPERVISOR



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รายงานผลการติดตามตรวจสอบคุณภาพน้ำสระว่ายนํ้า  
เดือนมิถุนายน พ.ศ. 2567



## ANALYSIS REPORT

**PROJECT NAME** : การตรวจวัดคุณภาพสิ่งแวดล้อม และการตรวจสอบการปฏิบัติตามมาตรการป้องกันและแก้ไขผลกระทบสิ่งแวดล้อม  
โครงการ GRANDE CENTRE POINT HOTEL SURAWONG ประจำปี 2567  
**CUSTOMER NAME** : L&H HOTEL MANAGEMENT COMPANY LIMITED  
**ADDRESS** : 299 SURAWONG ROAD, SURIYAWONG BANG RAK BANGKOK  
**CONTACT INFORMATION** : TEL : 0 2091 9000, 08 6901 0182 e-mail : phatsakon.c@gcphotels.com  
**SAMPLING SOURCE** : GRANDE CENTRE POINT HOTEL SURAWONG  
**SAMPLE TYPE** : WATER SAMPLE FROM SWIMMING POOL  
**SAMPLING DATE** : JUNE 14, 2024  
**SAMPLING TIME** : 13:40 HOUR  
**SAMPLING METHOD °** : GRAB AND STERILE TECHNIQUE  
**SAMPLING BY °** : MR SUKSAN BOONLEANG  
**ANALYZED BY** : MISS ITSARIYAPORN BUATIB

**RECEIVED DATE** : JUNE 14, 2024  
**ANALYTICAL DATE** : JUNE 14-21, 2024  
**ISSUE DATE** : JUNE 27, 2024  
**REPORT NO.** : 2024-U057750  
**WORK NO.** : 2023-004357  
**ANALYSIS NO.** : T24AN235-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (SHALLOW ZONE) T24AN235-0001		
TOTAL ALKALINITY °	mg/L as CaCO <sub>3</sub>	TITRATION METHOD (SM: PART 2320 B)	50.7	80-100	-
CALCIUM HARDNESS °	mg/L as CaCO <sub>3</sub>	EDTA TITRIMETRIC METHOD (SM: PART 3500-Ca B)	115	250-600	4.0
CHLORIDE °	mg/L Cl <sup>-</sup>	ARGENTOMETRIC METHOD (SM: 4500-Cl B)	2,015	≤ 600	2.0
CYANURIC ACID °	mg/L	TURBIDIMETRIC METHOD	1	30-60	1
COMBINED CHLORINE °	mg/L Cl <sub>2</sub>	MODIFIED DPD COLOURIMETRIC METHOD (AT SITE)	0.2	0.5-1.0	0.1
MICROBIOLOGY					
COLIFORM BACTERIA <sup>b</sup>	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B AND C)	< 1.1	< 10	1.1
<i>E. coli</i> <sup>b</sup>	/100 mL	FLUOROGENIC SUBSTRATE TEST (SM: PART 9221 D AND F)	NOT DETECTED	NOT DETECTED	-
<i>Pseudomonas aeruginosa</i> <sup>c</sup>	/100 mL	MEMBRANE FILTER TECHNIQUE (ISO 16266)	NOT DETECTED	NOT DETECTED	-
<b>SAMPLE CONDITION</b> WATER'S COLOUR/TURBID SEDIMENT			COLOURLESS/CLEAR -		

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

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

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

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 24<sup>th</sup> EDITION, 2023.

REGULATORY STANDARD : RECOMMENDATIONS OF PUBLIC HEALTH COMMITTEE NO. 1/2550; CONTROL OF SWIMMING POOLS BUSINESSES OR OTHER SIMILAR BUSINESSES.

(MISS CHAWEEWAN BOONLA)  
LABORATORY SUPERVISOR



## ANALYSIS REPORT

**PROJECT NAME** : การตรวจวัดคุณภาพสิ่งแวดล้อม และการตรวจสอบการปฏิบัติตามมาตรฐานการป้องกันและแก้ไขผลกระทบสิ่งแวดล้อม  
โครงการ GRANDE CENTRE POINT HOTEL SURAWONG ประจำปี 2567

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

**ADDRESS** : 299 SURAWONG ROAD, SURIYAWONG BANG RAK BANGKOK

**CONTACT INFORMATION** : TEL : 0 2091 9000, 08 6901 0182 e-mail : phatsakon.c@gcphotels.com

**SAMPLING SOURCE** : GRANDE CENTRE POINT HOTEL SURAWONG

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

**SAMPLING DATE** : JUNE 14, 2024

**SAMPLING TIME** : 13:40 HOUR

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

**SAMPLING BY \*** : MR SUKSAN BOONLEANG

**ANALYZED BY** : MISS JITSAMON NGAMKANA

**RECEIVED DATE** : JUNE 14, 2024

**ANALYTICAL DATE** : JUNE 14-19, 2024

**ISSUE DATE** : JUNE 27, 2024

**REPORT NO.** : 2024-U057752

**WORK NO.** : 2023-004357

**ANALYSIS NO.** : T24AN235-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (SHALLOW ZONE) T24AN235-0001		
MICROBIOLOGY					
<i>Staphylococcus aureus</i>	/100 mL	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA, WEF. 24th Edition, 2023. Part 9213 B.	NOT DETECTED	NOT DETECTED	-
SAMPLE CONDITION					
WATER'S COLOUR/TURBID			COLOURLESS/CLEAR		
SEDIMENT			-		

THE LABORATORY HAS BEEN ACCEPTED AS AN ACCREDITED LABORATORY COMPLYING WITH THE ISO/IEC 17025.

\* : TEST METHOD ARE NOT COVERED COMPLYING WITH THE ISO/IEC 17025, VERIFIED BY OWN LABORATORY QUALITY SYSTEM.

REGULATORY STANDARD : RECOMMENDATIONS OF PUBLIC HEALTH COMMITTEE NO. 1/2550; CONTROL OF SWIMMING POOLS BUSINESSES OR OTHER SIMILAR BUSINESSES.

(MISS CHAWEEWAN BOONLA)  
LABORATORY SUPERVISOR





## ANALYSIS REPORT

**PROJECT NAME** : การตรวจวัดคุณภาพสิ่งแวดล้อม และการตรวจสอบการปฏิบัติตามมาตรการป้องกันและแก้ไขผลกระทบสิ่งแวดล้อม  
โครงการ GRANDE CENTRE POINT HOTEL SURAWONG ประจำปี 2567  
**CUSTOMER NAME** : L&H HOTEL MANAGEMENT COMPANY LIMITED  
**ADDRESS** : 299 SURAWONG ROAD, SURIYAWONG BANG RAK BANGKOK  
**CONTACT INFORMATION** : TEL : 0 2091 9000, 08 6901 0182 e-mail : phatsakon.c@gcphotels.com  
**SAMPLING SOURCE** : GRANDE CENTRE POINT HOTEL SURAWONG  
**SAMPLE TYPE** : WATER SAMPLE FROM SWIMMING POOL  
**SAMPLING DATE** : JUNE 14, 2024  
**SAMPLING TIME** : 13:45 HOUR  
**SAMPLING METHOD °** : GRAB AND STERILE TECHNIQUE  
**SAMPLING BY °** : MR SUKSAN BOONLEANG  
**ANALYZED BY** : MISS ITSARIYAPORN BUATIB

**RECEIVED DATE** : JUNE 14, 2024  
**ANALYTICAL DATE** : JUNE 14-21, 2024  
**ISSUE DATE** : JUNE 27, 2024  
**REPORT NO.** : 2024-U057751  
**WORK NO.** : 2023-004357  
**ANALYSIS NO.** : T24AN235-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (DEEP ZONE) T24AN235-0002		
TOTAL ALKALINITY °	mg/L as CaCO <sub>3</sub>	TITRATION METHOD (SM: PART 2320 B)	50.7	80-100	-
CALCIUM HARDNESS °	mg/L as CaCO <sub>3</sub>	EDTA TITRIMETRIC METHOD (SM: PART 3500-Ca B)	112	250-600	4.0
CHLORIDE °	mg/L Cl <sup>-</sup>	ARGENTOMETRIC METHOD (SM: 4500-Cl <sup>-</sup> B)	1,985	≤ 600	2.0
CYANURIC ACID °	mg/L	TURBIDIMETRIC METHOD	1	30-60	1
COMBINED CHLORINE °	mg/L Cl <sub>2</sub>	MODIFIED DPD COLOURIMETRIC METHOD (AT SITE)	0.2	0.5-1.0	0.1
MICROBIOLOGY					
COLIFORM BACTERIA °	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B AND C)	< 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	NOT DETECTED	-
<b>SAMPLE CONDITION</b> WATER'S COLOUR/TURBID SEDIMENT			COLOURLESS/CLEAR -		

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

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

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

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 24<sup>th</sup> EDITION, 2023.

REGULATORY STANDARD : RECOMMENDATIONS OF PUBLIC HEALTH COMMITTEE NO. 1/2550; CONTROL OF SWIMMING POOLS BUSINESSES OR OTHER SIMILAR BUSINESSES.

(MISS CHAWEEWAN BOONLA)  
LABORATORY SUPERVISOR





## ANALYSIS REPORT

**PROJECT NAME** : การตรวจวัดคุณภาพสิ่งแวดล้อม และการตรวจสอบการปฏิบัติตามมาตรการป้องกันและแก้ไขผลกระทบสิ่งแวดล้อม  
โครงการ GRANDE CENTRE POINT HOTEL SURAWONG ประจำปี 2567

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

**ADDRESS** : 299 SURAWONG ROAD, SURIYAWONG BANG RAK BANGKOK

**CONTACT INFORMATION** : TEL : 0 2091 9000, 08 6901 0182 e-mail : phatsakon.c@gcphotels.com

**SAMPLING SOURCE** : GRANDE CENTRE POINT HOTEL SURAWONG

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

**SAMPLING DATE** : JUNE 14, 2024

**SAMPLING TIME** : 13:45 HOUR

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

**SAMPLING BY \*** : MR SUKSAN BOONLEANG

**ANALYZED BY** : MISS JITSAMON NGAMKANA

**RECEIVED DATE** : JUNE 14, 2024

**ANALYTICAL DATE** : JUNE 14-19, 2024

**ISSUE DATE** : JUNE 27, 2024

**REPORT NO.** : 2024-U057753

**WORK NO.** : 2023-004357

**ANALYSIS NO.** : T24AN235-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (DEEP ZONE) T24AN235-0002		
MICROBIOLOGY					
<i>Staphylococcus aureus</i>	/100 mL	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA, WEF. 24th Edition, 2023. Part 9213 B.	NOT DETECTED	NOT DETECTED	-
SAMPLE CONDITION					
WATER'S COLOUR/TURBID			COLOURLESS/CLEAR		
SEDIMENT			-		

THE LABORATORY HAS BEEN ACCEPTED AS AN ACCREDITED LABORATORY COMPLYING WITH THE ISO/IEC 17025.

\* : TEST METHOD ARE NOT COVERED COMPLYING WITH THE ISO/IEC 17025, VERIFIED BY OWN LABORATORY QUALITY SYSTEM.

REGULATORY STANDARD : RECOMMENDATIONS OF PUBLIC HEALTH COMMITTEE NO. 1/2550; CONTROL OF SWIMMING POOLS BUSINESSES OR OTHER SIMILAR BUSINESSES.

(MISS CHAWEEWAN BOONLA)  
LABORATORY SUPERVISOR



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รายงานผลการวิเคราะห์คุณภาพน้ำในหอฝิ่งเย็น  
เดือนมิถุนายน พ.ศ. 2567



## ANALYSIS REPORT

**PROJECT NAME** : การตรวจวัดคุณภาพสิ่งแวดล้อม และการตรวจสอบการปฏิบัติตามมาตรการป้องกันและแก้ไขผลกระทบสิ่งแวดล้อม  
โครงการ GRANDE CENTRE POINT HOTEL SURAWONG ประจำปี 2567

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

**ADDRESS** : 299 SURAWONG ROAD, SURIYAWONG BANG RAK BANGKOK

**CONTACT INFORMATION** : TEL : 0 2091 9000, 08 6901 0182 e-mail : phatsakon.c@gcphotels.com

**SAMPLING SOURCE** : GRANDE CENTRE POINT HOTEL SURAWONG

**SAMPLE TYPE** : COOLING WATER

**SAMPLING DATE** : JUNE 26, 2024

**SAMPLING TIME** : 15:00 HOUR

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

**SAMPLING BY <sup>c</sup>** : MR SUKSAN BOONLEANG

**ANALYZED BY** : MISS ITSARIYAPORN BUATIB

**RECEIVED DATE** : JUNE 26, 2024

**ANALYTICAL DATE** : JUNE 26 - JULY 9, 2024

**ISSUE DATE** : JULY 12, 2024

**REPORT NO.** : 2024-U063852

**WORK NO.** : 2023-004357

**ANALYSIS NO.** : T24AO302-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	DETECTION LIMIT
			จุดที่ไหลเข้ามาเดิมในรทท T24AO302-0001	
pH <sup>c</sup>	-	ELECTROMETRIC METHOD (AT SITE) SM: PART 4500 -H <sup>+</sup> B AND 1060 B	7.9 (29°C)	-
RESIDUAL CHLORINE <sup>c</sup>	mg/L Cl <sub>2</sub>	MODIFIED DPD COLOURIMETRIC METHOD (AT SITE)	ND	0.1
MICROBIOLOGY				
COLIFORM BACTERIA <sup>b</sup>	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B AND C)	< 1.8	1.8
<b>SAMPLE CONDITION</b>				
WATER'S COLOUR/TURBID			COLOURLESS/CLEAR	
SEDIMENT			-	

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

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

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

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 24<sup>th</sup> EDITION, 2023.

ND : NOT DETECTED.

(MISS CHAWEEWAN BOONLA)  
LABORATORY SUPERVISOR

## ANALYSIS REPORT

**PROJECT NAME** : การตรวจวัดคุณภาพสิ่งแวดล้อม และการตรวจสอบการปฏิบัติตามมาตรการป้องกันและแก้ไขผลกระทบสิ่งแวดล้อม  
โครงการ GRANDE CENTRE POINT HOTEL SURAWONG ประจำปี 2567

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

**ADDRESS** : 299 SURAWONG ROAD, SURIYAWONG BANG RAK BANGKOK

**CONTACT INFORMATION** : TEL : 0 2091 9000, 08 6901 0182 e-mail : phatsakon.c@gcphotels.com

**SAMPLING SOURCE** : GRANDE CENTRE POINT HOTEL SURAWONG

**SAMPLE TYPE** : COOLING WATER

**SAMPLING DATE** : JUNE 26, 2024

**SAMPLING TIME** : 15:00 HOUR

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

**SAMPLING BY \*** : MR SUKSAN BOONLEANG

**ANALYZED BY** : MISS JITSAMON NGAMKANA

**RECEIVED DATE** : JUNE 26, 2024

**ANALYTICAL DATE** : JUNE 26 - JULY 9, 2024

**ISSUE DATE** : JULY 12, 2024

**REPORT NO.** : 2024-U063856

**WORK NO.** : 2023-004357

**ANALYSIS NO.** : T24AO302-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	DETECTION LIMIT
			จุดที่ไหลเข้ามาเดิมในระบบ T24AO302-0001	
MICROBIOLOGY				
Legionella spp.	CFU/L	ISO 11731:2017-05 (E)	NOT DETECTED	100
SAMPLE CONDITION				
WATER'S COLOUR/TURBID			COLOURLESS/CLEAR	
SEDIMENT			-	

THE LABORATORY HAS BEEN ACCEPTED AS AN ACCREDITED LABORATORY COMPLYING WITH THE ISO/IEC 17025.

\* : TEST METHOD ARE NOT COVERED COMPLYING WITH THE ISO/IEC 17025, VERIFIED BY OWN LABORATORY QUALITY SYSTEM.

(MISS CHAWEEWAN BOONLA)  
LABORATORY SUPERVISOR



## ANALYSIS REPORT

**PROJECT NAME** : การตรวจวัดคุณภาพสิ่งแวดล้อม และการตรวจสอบการปฏิบัติตามมาตรฐานการป้องกันและแก้ไขผลกระทบสิ่งแวดล้อม  
โครงการ GRANDE CENTRE POINT HOTEL SURAWONG ประจำปี 2567

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

**ADDRESS** : 299 SURAWONG ROAD, SURIYAWONG BANG RAK BANGKOK

**CONTACT INFORMATION** : TEL : 0 2091 9000, 08 6901 0182 e-mail : phatsakon.c@gcphotels.com

**SAMPLING SOURCE** : GRANDE CENTRE POINT HOTEL SURAWONG

**SAMPLE TYPE** : COOLING WATER **RECEIVED DATE** : JUNE 26, 2024

**SAMPLING DATE** : JUNE 26, 2024 **ANALYTICAL DATE** : JUNE 26 - JULY 3, 2024

**SAMPLING TIME** : 14:55 HOUR **ISSUE DATE** : JULY 12, 2024

**SAMPLING METHOD <sup>c</sup>** : GRAB AND STERILE TECHNIQUE **REPORT NO.** : 2024-U063853

**SAMPLING BY <sup>c</sup>** : MR SUKSAN BOONLEANG **WORK NO.** : 2023-004357

**ANALYZED BY** : MISS ITSARIYAPORN BUATIB **ANALYSIS NO.** : T24AO302-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	DETECTION LIMIT
			ในถังรองรับน้ำ T24AO302-0002	
pH <sup>c</sup>	-	ELECTROMETRIC METHOD (AT SITE) SM: PART 4500-H <sup>+</sup> B AND 1060 B	8.9 (29°C)	-
RESIDUAL CHLORINE <sup>c</sup>	mg/L Cl <sub>2</sub>	MODIFIED DPD COLOURIMETRIC METHOD (AT SITE)	ND	0.1
<b>MICROBIOLOGY</b>				
COLIFORM BACTERIA <sup>b</sup>	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B AND C)	< 1.8	1.8
<b>SAMPLE CONDITION</b>				
WATER'S COLOUR/TURBID			YELLOW/CLEAR	
SEDIMENT			-	

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

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

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

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 24<sup>th</sup> EDITION, 2023.

ND : NOT DETECTED.

(MISS CHAWEEWAN BOONLA)  
LABORATORY SUPERVISOR



## ANALYSIS REPORT

**PROJECT NAME** : การตรวจวัดคุณภาพสิ่งแวดล้อม และการตรวจสอบการปฏิบัติตามมาตรการป้องกันและแก้ไขผลกระทบสิ่งแวดล้อม  
โครงการ GRANDE CENTRE POINT HOTEL SURAWONG ประจำปี 2567

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

**ADDRESS** : 299 SURAWONG ROAD, SURIYAWONG BANG RAK BANGKOK

**CONTACT INFORMATION** : TEL : 0 2091 9000, 08 6901 0182 e-mail : phatsakon.c@gcphotels.com

**SAMPLING SOURCE** : GRANDE CENTRE POINT HOTEL SURAWONG

**SAMPLE TYPE** : COOLING WATER

**SAMPLING DATE** : JUNE 26, 2024

**SAMPLING TIME** : 14:55 HOUR

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

**SAMPLING BY \*** : MR SUKSAN BOONLEANG

**ANALYZED BY** : MISS JITSAMON NGAMKANA

**RECEIVED DATE** : JUNE 26, 2024

**ANALYTICAL DATE** : JUNE 26 - JULY 9, 2024

**ISSUE DATE** : JULY 12, 2024

**REPORT NO.** : 2024-U063857

**WORK NO.** : 2023-004357

**ANALYSIS NO.** : T24AO302-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	DETECTION LIMIT
			ในช่องรองรับน้ำ T24AO302-0002	
MICROBIOLOGY				
Legionella spp.	CFU/L	ISO 11731:2017-05 (E)	NOT DETECTED	100
SAMPLE CONDITION			YELLOW/CLEAR -	
WATER'S COLOUR/TURBID				
SEDIMENT				

THE LABORATORY HAS BEEN ACCEPTED AS AN ACCREDITED LABORATORY COMPLYING WITH THE ISO/IEC 17025.

\* : TEST METHOD ARE NOT COVERED COMPLYING WITH THE ISO/IEC 17025, VERIFIED BY OWN LABORATORY QUALITY SYSTEM.

[REDACTED]

(MISS CHAWEEWAN BOONLA)  
LABORATORY SUPERVISOR





## ANALYSIS REPORT

**PROJECT NAME** : การตรวจวัดคุณภาพสิ่งแวดล้อม และการตรวจสอบการปฏิบัติตามมาตรการป้องกันและแก้ไขผลกระทบสิ่งแวดล้อม  
โครงการ GRANDE CENTRE POINT HOTEL SURAWONG ประจำปี 2567

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

**ADDRESS** : 299 SURAWONG ROAD, SURIYAWONG BANG RAK BANGKOK

**CONTACT INFORMATION** : TEL : 0 2091 9000, 08 6901 0182 e-mail : phatsakon.c@gcphotels.com

**SAMPLING SOURCE** : GRANDE CENTRE POINT HOTEL SURAWONG

**SAMPLE TYPE** : COOLING WATER

**SAMPLING DATE** : JUNE 26, 2024

**SAMPLING TIME** : 15:05 HOUR

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

**SAMPLING BY °** : MR SUKSAN BOONLEANG

**ANALYZED BY** : MISS ITSARIYAPORN BUATIB

**RECEIVED DATE** : JUNE 26, 2024

**ANALYTICAL DATE** : JUNE 26 - JULY 3, 2024

**ISSUE DATE** : JULY 12, 2024

**REPORT NO.** : 2024-U063854

**WORK NO.** : 2023-004357

**ANALYSIS NO.** : T24AO302-0003

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	DETECTION LIMIT
			พอน้ำทิ้งจากหอผึ่งเย็น T24AO302-0003	
pH °	-	ELECTROMETRIC METHOD (AT SITE) SM: PART 4500 -H+ B AND 1060 B	8.9 (29°C)	-
RESIDUAL CHLORINE °	mg/L Cl <sub>2</sub>	MODIFIED DPD COLOURIMETRIC METHOD (AT SITE)	ND	0.1
MICROBIOLOGY				
COLIFORM BACTERIA °	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221B AND C)	< 1.8	1.8
SAMPLE CONDITION			YELLOW/CLEAR	
WATER'S COLOUR/TURBID				
SEDIMENT			-	

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

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

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

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 24<sup>th</sup> EDITION, 2023.

ND : NOT DETECTED.

(MISS CHAWEEWAN BOONLA)  
LABORATORY SUPERVISOR



## ANALYSIS REPORT

**PROJECT NAME** : การตรวจวัดคุณภาพสิ่งแวดล้อม และการตรวจสอบการปฏิบัติตามมาตรฐานการป้องกันและแก้ไขผลกระทบสิ่งแวดล้อม  
โครงการ GRANDE CENTRE POINT HOTEL SURAWONG ประจำปี 2567

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

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**CONTACT INFORMATION** : TEL : 0 2091 9000, 08 6901 0182 e-mail : phatsakon.c@gcphotels.com

**SAMPLING SOURCE** : GRANDE CENTRE POINT HOTEL SURAWONG

**SAMPLE TYPE** : COOLING WATER **RECEIVED DATE** : JUNE 26, 2024

**SAMPLING DATE** : JUNE 26, 2024 **ANALYTICAL DATE** : JUNE 26 - JULY 9, 2024

**SAMPLING TIME** : 15:05 HOUR **ISSUE DATE** : JULY 12, 2024

**SAMPLING METHOD \*** : GRAB AND STERILE TECHNIQUE **REPORT NO.** : 2024-U063858

**SAMPLING BY \*** : MR SUKSAN BOONLEANG **WORK NO.** : 2023-004357

**ANALYZED BY** : MISS JITSAMON NGAMKANA **ANALYSIS NO.** : T24AO302-0003

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	DETECTION LIMIT
			ท่อน้ำทิ้งจากหอผึ่งเย็น T24AO302-0003	
MICROBIOLOGY				
Legionella spp.	CFU/L	ISO 11731:2017-05 (E)	NOT DETECTED	100
SAMPLE CONDITION			YELLOW/CLEAR .	
WATER'S COLOUR/TURBID				
SEDIMENT				

THE LABORATORY HAS BEEN ACCEPTED AS AN ACCREDITED LABORATORY COMPLYING WITH THE ISO/IEC 17025.

\* : TEST METHOD ARE NOT COVERED COMPLYING WITH THE ISO/IEC 17025, VERIFIED BY OWN LABORATORY QUALITY SYSTEM.

(MISS CHAWEEWAN BOONLA)  
LABORATORY SUPERVISOR

