

ภาคผนวก ค

ใบรายงานผลการวิเคราะห์คุณภาพสิ่งแวดล้อม

- ค 1 รายงานผลการติดตามตรวจสอบคุณภาพน้ำสระว่ายนํ้า เดือนกรกฎาคม พ.ศ. 2567
- ค 2 รายงานผลการติดตามตรวจสอบคุณภาพน้ำสระว่ายนํ้า เดือนสิงหาคม พ.ศ. 2567
- ค 3 รายงานผลการติดตามตรวจสอบคุณภาพน้ำสระว่ายนํ้า เดือนกันยายน พ.ศ. 2567
- ค 4 รายงานผลการติดตามตรวจสอบคุณภาพน้ำสระว่ายนํ้า เดือนตุลาคม พ.ศ. 2567
- ค 5 รายงานผลการติดตามตรวจสอบคุณภาพน้ำสระว่ายนํ้า เดือนพฤศจิกายน พ.ศ. 2567
- ค 6 รายงานผลการติดตามตรวจสอบคุณภาพน้ำสระว่ายนํ้า เดือนธันวาคม พ.ศ. 2567
- ค 7 รายงานผลการวิเคราะห์คุณภาพน้ำในหอฝิ่งเย็น เดือนธันวาคม พ.ศ. 2567



Grande Centre Point

SURAWONG • BANGKOK

ภาคผนวก ค 1

รายงานผลการติดตามตรวจสอบคุณภาพสระว่ายนํ้า
เดือนกรกฎาคม พ.ศ. 2567



ANALYSIS REPORT

PROJECT NAME : การตรวจวัดคุณภาพสิ่งแวดล้อม และการตรวจสอบการปฏิบัติตามมาตรการป้องกันและแก้ไขผลกระทบสิ่งแวดล้อม
โครงการ GRANDE CENTRE POINT 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 SURAWONG

SAMPLE TYPE : WATER SAMPLE FROM SWIMMING POOL

SAMPLING DATE : JULY 12, 2024

SAMPLING TIME : 14:25 HOUR

SAMPLING METHOD ^c : GRAB AND STERILE TECHNIQUE

SAMPLING BY ^c : MR SUKSAN BOONLEANG

ANALYZED BY : MISS ITSARIYAPORN BUATIB

RECEIVED DATE : JULY 12, 2024

ANALYTICAL DATE : JULY 12-17, 2024

ISSUE DATE : JULY 25, 2024

REPORT NO. : 2024-U068138

WORK NO. : 2023-004357

ANALYSIS NO. : T24AP890-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (SHALLOW ZONE) T24AP890-0001		
MICROBIOLOGY					
COLIFORM BACTERIA ^b	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B AND C)	< 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	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, 24th 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 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 SURAWONG
SAMPLE TYPE : WATER SAMPLE FROM SWIMMING POOL
SAMPLING DATE : JULY 12, 2024
SAMPLING TIME : 14:25 HOUR
SAMPLING METHOD * : GRAB AND STERILE TECHNIQUE
SAMPLING BY * : MR SUKSAN BOONLEANG
ANALYZED BY : MR PITTAPAN LAEKOD

RECEIVED DATE : JULY 12, 2024
ANALYTICAL DATE : JULY 12-15, 2024
ISSUE DATE : JULY 25, 2024
REPORT NO. : 2024-U068139
WORK NO. : 2023-004357
ANALYSIS NO. : T24AP890-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (SHALLOW ZONE) T24AP890-0001		
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 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 SURAWONG

SAMPLE TYPE : WATER SAMPLE FROM SWIMMING POOL

SAMPLING DATE : JULY 12, 2024

SAMPLING TIME : 14:30 HOUR

SAMPLING METHOD ^c : GRAB AND STERILE TECHNIQUE

SAMPLING BY ^c : MR SUKSAN BOONLEANG

ANALYZED BY : MISS ITSARIYAPORN BUATIB

RECEIVED DATE : JULY 12, 2024

ANALYTICAL DATE : JULY 12-24, 2024

ISSUE DATE : JULY 25, 2024

REPORT NO. : 2024-U068140

WORK NO. : 2023-004357

ANALYSIS NO. : T24AP890-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (DEEP ZONE) T24AP890-0002		
MICROBIOLOGY					
COLIFORM BACTERIA ^b	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B AND C)	< 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	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, 24th 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 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 SURAWONG
SAMPLE TYPE : WATER SAMPLE FROM SWIMMING POOL
SAMPLING DATE : JULY 12, 2024
SAMPLING TIME : 14:30 HOUR
SAMPLING METHOD * : GRAB AND STERILE TECHNIQUE
SAMPLING BY * : MR SUKSAN BOONLEANG
ANALYZED BY : MR PITTAPAN LAEKOOD

RECEIVED DATE : JULY 12, 2024
ANALYTICAL DATE : JULY 12-15, 2024
ISSUE DATE : JULY 25, 2024
REPORT NO. : 2024-U068141
WORK NO. : 2023-004357
ANALYSIS NO. : T24AP890-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (DEEP ZONE) T24AP890-0002		
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 SEDIMENT			COLOURLESS/CLEAR -		

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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รายงานผลการติดตามตรวจสอบคุณภาพน้ำสระว่ายนํ้า
เดือนสิงหาคม พ.ศ. 2567



ANALYSIS REPORT

PROJECT NAME : การตรวจวัดคุณภาพสิ่งแวดล้อม และการตรวจสอบการปฏิบัติตามมาตรการป้องกันและแก้ไขผลกระทบสิ่งแวดล้อม
โครงการ GRANDE CENTRE POINT 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 SURAWONG
SAMPLE TYPE : WATER SAMPLE FROM SWIMMING POOL
SAMPLING DATE : AUGUST 16, 2024
SAMPLING TIME : 16:10 HOUR
SAMPLING METHOD ^c : GRAB AND STERILE TECHNIQUE
SAMPLING BY ^c : MR SUKSAN BOONLEANG
ANALYZED BY : MISS ITSARIYAPORN BUATIB
RECEIVED DATE : AUGUST 16, 2024
ANALYTICAL DATE : AUGUST 16-27, 2024
ISSUE DATE : AUGUST 28, 2024
REPORT NO. : 2024-U079095
WORK NO. : 2023-004357
ANALYSIS NO. : T24AS641-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (SHALLOW ZONE) T24AS641-0001		
MICROBIOLOGY					
COLIFORM BACTERIA ^b	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B AND C)	9.2	< 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	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, 24th 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 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 SURAWONG

SAMPLE TYPE : WATER SAMPLE FROM SWIMMING POOL

SAMPLING DATE : AUGUST 16, 2024

SAMPLING TIME : 16:10 HOUR

SAMPLING METHOD * : GRAB AND STERILE TECHNIQUE

SAMPLING BY * : MR SUKSAN BOONLEANG

ANALYZED BY : MISS BUSSAKORN MAJAI

RECEIVED DATE : AUGUST 16, 2024

ANALYTICAL DATE : AUGUST 16-21, 2024

ISSUE DATE : AUGUST 28, 2024

REPORT NO. : 2024-U079096

WORK NO. : 2023-004357

ANALYSIS NO. : T24AS641-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (SHALLOW ZONE) T24AS641-0001		
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 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 SURAWONG
SAMPLE TYPE : WATER SAMPLE FROM SWIMMING POOL
SAMPLING DATE : AUGUST 16, 2024
SAMPLING TIME : 16:15 HOUR
SAMPLING METHOD ^c : GRAB AND STERILE TECHNIQUE
SAMPLING BY ^c : MR SUKSAN BOONLEANG
ANALYZED BY : MISS ITSARIYAPORN BUATIB
RECEIVED DATE : AUGUST 16, 2024
ANALYTICAL DATE : AUGUST 16-27, 2024
ISSUE DATE : AUGUST 28, 2024
REPORT NO. : 2024-U079097
WORK NO. : 2023-004357
ANALYSIS NO. : T24AS641-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (DEEP ZONE) T24AS641-0002		
MICROBIOLOGY					
COLIFORM BACTERIA ^b	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B AND C)	16	< 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	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, 24th 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 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 SURAWONG
SAMPLE TYPE : WATER SAMPLE FROM SWIMMING POOL
SAMPLING DATE : AUGUST 16, 2024
SAMPLING TIME : 16:15 HOUR
SAMPLING METHOD * : GRAB AND STERILE TECHNIQUE
SAMPLING BY * : MR SUKSAN BOONLEANG
ANALYZED BY : MISS BUSSAKORN MAJAI
RECEIVED DATE : AUGUST 16, 2024
ANALYTICAL DATE : AUGUST 16-21, 2024
ISSUE DATE : AUGUST 28, 2024
REPORT NO. : 2024-U079098
WORK NO. : 2023-004357
ANALYSIS NO. : T24AS641-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (DEEP ZONE) T24AS641-0002		
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 SEDIMENT			COLOURLESS/CLEAR -		

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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รายงานผลการติดตามตรวจสอบคุณภาพน้ำสระว่ายนํ้า

เดือนกันยายน พ.ศ. 2567



ANALYSIS REPORT

PROJECT NAME : การตรวจวัดคุณภาพสิ่งแวดล้อม และการตรวจสอบการปฏิบัติตามมาตรการป้องกันและแก้ไขผลกระทบสิ่งแวดล้อม
โครงการ GRANDE CENTRE POINT 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 SURAWONG

SAMPLE TYPE : WATER SAMPLE FROM SWIMMING POOL

SAMPLING DATE : SEPTEMBER 6, 2024

SAMPLING TIME : 15:35 HOUR

SAMPLING METHOD ^c : GRAB AND STERILE TECHNIQUE

SAMPLING BY ^c : MR SUKSAN BOONLEANG

ANALYZED BY : MISS ITSARIYAPORN BUATIB

RECEIVED DATE : SEPTEMBER 6, 2024

ANALYTICAL DATE : SEPTEMBER 6-11, 2024

ISSUE DATE : SEPTEMBER 13, 2024

REPORT NO. : 2024-U084721

WORK NO. : 2023-004357

ANALYSIS NO. : T24AU551-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (SHALLOW ZONE) T24AU551-0001		
MICROBIOLOGY					
COLIFORM BACTERIA ^b	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B AND C)	< 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	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, 24th 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 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 SURAWONG
SAMPLE TYPE : WATER SAMPLE FROM SWIMMING POOL
SAMPLING DATE : SEPTEMBER 6, 2024
SAMPLING TIME : 15:35 HOUR
SAMPLING METHOD * : GRAB AND STERILE TECHNIQUE
SAMPLING BY * : MR SUKSAN BOONLEANG
ANALYZED BY : MISS JITSAMON NGAMKANA
RECEIVED DATE : SEPTEMBER 6, 2024
ANALYTICAL DATE : SEPTEMBER 6-10, 2024
ISSUE DATE : SEPTEMBER 13, 2024
REPORT NO. : 2024-U084722
WORK NO. : 2023-004357
ANALYSIS NO. : T24AU551-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (SHALLOW ZONE) T24AU551-0001		
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 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 SURAWONG
SAMPLE TYPE : WATER SAMPLE FROM SWIMMING POOL
SAMPLING DATE : SEPTEMBER 6, 2024
SAMPLING TIME : 15:30 HOUR
SAMPLING METHOD ^a : GRAB AND STERILE TECHNIQUE
SAMPLING BY ^a : MR SUKSAN BOONLEANG
ANALYZED BY : MISS ITSARIYAPORN BUATIB
RECEIVED DATE : SEPTEMBER 6, 2024
ANALYTICAL DATE : SEPTEMBER 6-11, 2024
ISSUE DATE : SEPTEMBER 13, 2024
REPORT NO. : 2024-U084723
WORK NO. : 2023-004357
ANALYSIS NO. : T24AU551-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (DEEP ZONE) T24AU551-0002		
MICROBIOLOGY					
COLIFORM BACTERIA ^b	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221B AND C)	2.2	< 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	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, 24th 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 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 SURAWONG
SAMPLE TYPE : WATER SAMPLE FROM SWIMMING POOL
SAMPLING DATE : SEPTEMBER 6, 2024
SAMPLING TIME : 15:30 HOUR
SAMPLING METHOD * : GRAB AND STERILE TECHNIQUE
SAMPLING BY * : MR SUKSAN BOONLEANG
ANALYZED BY : MISS JITSAMON NGAMKANA
RECEIVED DATE : SEPTEMBER 6, 2024
ANALYTICAL DATE : SEPTEMBER 6-10, 2024
ISSUE DATE : SEPTEMBER 13, 2024
REPORT NO. : 2024-U084724
WORK NO. : 2023-004357
ANALYSIS NO. : T24AU551-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (DEEP ZONE) T24AU551-0002		
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 SEDIMENT			COLOURLESS/CLEAR -		

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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รายงานผลการติดตามตรวจสอบคุณภาพน้ำสระว่ายนํ้า

เดือนตุลาคม พ.ศ. 2567



ANALYSIS REPORT

PROJECT NAME : การตรวจวัดคุณภาพสิ่งแวดล้อม และการตรวจสอบการปฏิบัติตามมาตรการป้องกันและแก้ไขผลกระทบสิ่งแวดล้อม
โครงการ GRANDE CENTRE POINT 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 SURAWONG
SAMPLE TYPE : WATER SAMPLE FROM SWIMMING POOL
SAMPLING DATE : OCTOBER 8, 2024
SAMPLING TIME : 13:00 HOUR
SAMPLING METHOD ^c : GRAB AND STERILE TECHNIQUE
SAMPLING BY ^c : MR SUKSAN BOONLEANG
ANALYZED BY : MISS BUSSAKORN MAJAI
RECEIVED DATE : OCTOBER 8, 2024
ANALYTICAL DATE : OCTOBER 8-13, 2024
ISSUE DATE : OCTOBER 16, 2024
REPORT NO. : 2024-U096283
WORK NO. : 2023-004357
ANALYSIS NO. : T24AX628-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (SHALLOW ZONE) T24AX628-0001		
MICROBIOLOGY					
COLIFORM BACTERIA ^b	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B AND C)	< 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	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, 24th 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 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 SURAWONG
SAMPLE TYPE : WATER SAMPLE FROM SWIMMING POOL
SAMPLING DATE : OCTOBER 8, 2024
SAMPLING TIME : 13:00 HOUR
SAMPLING METHOD * : GRAB AND STERILE TECHNIQUE
SAMPLING BY * : MR SUKSAN BOONLEANG
ANALYZED BY : MR NUTTACHOK LAKHAMMOON

RECEIVED DATE : OCTOBER 8, 2024
ANALYTICAL DATE : OCTOBER 8-11, 2024
ISSUE DATE : OCTOBER 16, 2024
REPORT NO. : 2024-U096284
WORK NO. : 2023-004357
ANALYSIS NO. : T24AX628-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (SHALLOW ZONE) T24AX628-0001		
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 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 SURAWONG
SAMPLE TYPE : WATER SAMPLE FROM SWIMMING POOL
SAMPLING DATE : OCTOBER 8, 2024
SAMPLING TIME : 13:05 HOUR
SAMPLING METHOD ^c : GRAB AND STERILE TECHNIQUE
SAMPLING BY ^c : MR SUKSAN BOONLEANG
ANALYZED BY : MISS BUSSAKORN MAJAI
RECEIVED DATE : OCTOBER 8, 2024
ANALYTICAL DATE : OCTOBER 8-13, 2024
ISSUE DATE : OCTOBER 16, 2024
REPORT NO. : 2024-U096285
WORK NO. : 2023-004357
ANALYSIS NO. : T24AX628-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (DEEP ZONE) T24AX628-0002		
MICROBIOLOGY					
COLIFORM BACTERIA ^b	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B AND C)	< 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	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, 24th 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 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 SURAWONG
SAMPLE TYPE : WATER SAMPLE FROM SWIMMING POOL
SAMPLING DATE : OCTOBER 8, 2024
SAMPLING TIME : 13:05 HOUR
SAMPLING METHOD * : GRAB AND STERILE TECHNIQUE
SAMPLING BY * : MR SUKSAN BOONLEANG
ANALYZED BY : MR NUTTACHOK LAKHAMMOON

RECEIVED DATE : OCTOBER 8, 2024
ANALYTICAL DATE : OCTOBER 8-11, 2024
ISSUE DATE : OCTOBER 16, 2024
REPORT NO. : 2024-U096286
WORK NO. : 2023-004357
ANALYSIS NO. : T24AX628-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (DEEP ZONE) T24AX628-0002		
MICROBIOLOGY					
Staphylococcus aureus	/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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รายงานผลการติดตามตรวจสอบคุณภาพน้ำสระว่ายนํ้า
เดือนพฤศจิกายน พ.ศ. 2567



ANALYSIS REPORT

PROJECT NAME : การตรวจวัดคุณภาพสิ่งแวดล้อม และการตรวจสอบการปฏิบัติตามมาตรฐานการป้องกันและแก้ไขผลกระทบสิ่งแวดล้อม
โครงการ GRANDE CENTRE POINT 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 **RECEIVED DATE** : NOVEMBER 12, 2024

SAMPLING DATE : NOVEMBER 12, 2024 **ANALYTICAL DATE** : NOVEMBER 12-17, 2024

SAMPLING TIME : 12:50 HOUR **ISSUE DATE** : NOVEMBER 21, 2024

SAMPLING METHOD ^c : GRAB AND STERILE TECHNIQUE **REPORT NO.** : 2024-U108774

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

ANALYZED BY : MISS BUSSAKORN MAJAI **ANALYSIS NO.** : T24BA556-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (SHALLOW ZONE) T24BA556-0001		
MICROBIOLOGY					
COLIFORM BACTERIA ^b	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B AND C)	< 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	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, 24th 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 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 SURAWONG

SAMPLE TYPE : WATER SAMPLE FROM SWIMMING POOL

SAMPLING DATE : NOVEMBER 12, 2024

SAMPLING TIME : 12:50 HOUR

SAMPLING METHOD * : GRAB AND STERILE TECHNIQUE

SAMPLING BY * : MR SUKSAN BOONLEANG

ANALYZED BY : MISS SUJIRA PRASERTSUKHO

RECEIVED DATE : NOVEMBER 12, 2024

ANALYTICAL DATE : NOVEMBER 12-15, 2024

ISSUE DATE : NOVEMBER 21, 2024

REPORT NO. : 2024-U108775

WORK NO. : 2023-004357

ANALYSIS NO. : T24BA556-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (SHALLOW ZONE) T24BA556-0001		
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 SEDIMENT			COLOURLESS/CLEAR -		

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 และการตรวจสอบการปฏิบัติตามมาตรฐานการป้องกันและแก้ไขผลกระทบสิ่งแวดล้อม
โครงการ GRANDE CENTRE POINT 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 SURAWONG
SAMPLE TYPE : WATER SAMPLE FROM SWIMMING POOL
SAMPLING DATE : NOVEMBER 12, 2024
SAMPLING TIME : 12:55 HOUR
SAMPLING METHOD ^c : GRAB AND STERILE TECHNIQUE
SAMPLING BY ^c : MR SUKSAN BOONLEANG
ANALYZED BY : MISS BUSSAKORN MAJAI
RECEIVED DATE : NOVEMBER 12, 2024
ANALYTICAL DATE : NOVEMBER 12-17, 2024
ISSUE DATE : NOVEMBER 21, 2024
REPORT NO. : 2024-U108776
WORK NO. : 2023-004357
ANALYSIS NO. : T24BA556-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (DEEP ZONE) T24BA556-0002		
MICROBIOLOGY					
COLIFORM BACTERIA ^b	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221B AND C)	< 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	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, 24th 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 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 SURAWONG
SAMPLE TYPE : WATER SAMPLE FROM SWIMMING POOL
SAMPLING DATE : NOVEMBER 12, 2024
SAMPLING TIME : 12:55 HOUR
SAMPLING METHOD * : GRAB AND STERILE TECHNIQUE
SAMPLING BY * : MR SUKSAN BOONLEANG
ANALYZED BY : MISS SUJIRA PRASERTSUKHO
RECEIVED DATE : NOVEMBER 12, 2024
ANALYTICAL DATE : NOVEMBER 12-15, 2024
ISSUE DATE : NOVEMBER 21, 2024
REPORT NO. : 2024-U108777
WORK NO. : 2023-004357
ANALYSIS NO. : T24BA556-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (DEEP ZONE) T24BA556-0002		
MICROBIOLOGY					
Staphylococcus aureus	/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 SEDIMENT			COLOURLESS/CLEAR -		

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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รายงานผลการติดตามตรวจสอบคุณภาพน้ำสระว่ายนํ้า
เดือนธันวาคม พ.ศ. 2567



ANALYSIS REPORT

PROJECT NAME : การตรวจวัดคุณภาพสิ่งแวดล้อม และการตรวจสอบการปฏิบัติตามมาตรการป้องกันและแก้ไขผลกระทบสิ่งแวดล้อม
โครงการ GRANDE CENTRE POINT 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 SURAWONG
SAMPLE TYPE : WATER SAMPLE FROM SWIMMING POOL
SAMPLING DATE : DECEMBER 5, 2024
SAMPLING TIME : 14:55 HOUR
SAMPLING METHOD ^c : GRAB AND STERILE TECHNIQUE
SAMPLING BY ^c : MR SUKSAN BOONLEANG
ANALYZED BY : MISS ITSARIYAPORN BUATIB
RECEIVED DATE : DECEMBER 6, 2024
ANALYTICAL DATE : DECEMBER 6-11, 2024
ISSUE DATE : DECEMBER 25, 2024
REPORT NO. : 2024-U121231
WORK NO. : 2023-004357
ANALYSIS NO. : T24BC686-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (SHALLOW ZONE) T24BC686-0001		
MICROBIOLOGY					
COLIFORM BACTERIA ^b	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B AND C)	< 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	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, 24th 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 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 SURAWONG

SAMPLE TYPE : WATER SAMPLE FROM SWIMMING POOL

SAMPLING DATE : DECEMBER 5, 2024

SAMPLING TIME : 14:55 HOUR

SAMPLING METHOD * : GRAB AND STERILE TECHNIQUE

SAMPLING BY * : MR SUKSAN BOONLEANG

ANALYZED BY : MISS SUJIRA PRASERTSUKHO

RECEIVED DATE : DECEMBER 6, 2024

ANALYTICAL DATE : DECEMBER 6-9, 2024

ISSUE DATE : DECEMBER 25, 2024

REPORT NO. : 2024-U121235

WORK NO. : 2023-004357

ANALYSIS NO. : T24BC686-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (SHALLOW ZONE) T24BC686-0001		
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 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 SURAWONG
SAMPLE TYPE : WATER SAMPLE FROM SWIMMING POOL
SAMPLING DATE : DECEMBER 5, 2024
SAMPLING TIME : 15:00 HOUR
SAMPLING METHOD ^a : GRAB AND STERILE TECHNIQUE
SAMPLING BY ^c : MR SUKSAN BOONLEANG
ANALYZED BY : MISS ITSARIYAPORN BUATIB
RECEIVED DATE : DECEMBER 6, 2024
ANALYTICAL DATE : DECEMBER 6-11, 2024
ISSUE DATE : DECEMBER 25, 2024
REPORT NO. : 2024-U121236
WORK NO. : 2023-004357
ANALYSIS NO. : T24BC686-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (DEEP ZONE) T24BC686-0002		
MICROBIOLOGY					
COLIFORM BACTERIA ^b	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B AND C)	< 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	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, 24th 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 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 SURAWONG
SAMPLE TYPE : WATER SAMPLE FROM SWIMMING POOL
SAMPLING DATE : DECEMBER 5, 2024
SAMPLING TIME : 15:00 HOUR
SAMPLING METHOD * : GRAB AND STERILE TECHNIQUE
SAMPLING BY * : MR SUKSAN BOONLEANG
ANALYZED BY : MISS SUJIRA PRASERTSUKHO

RECEIVED DATE : DECEMBER 6, 2024
ANALYTICAL DATE : DECEMBER 6-9, 2024
ISSUE DATE : DECEMBER 25, 2024
REPORT NO. : 2024-U121237
WORK NO. : 2023-004357
ANALYSIS NO. : T24BC686-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (DEEP ZONE) T24BC686-0002		
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 SEDIMENT			COLOURLESS/CLEAR -		

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

เดือนธันวาคม พ.ศ. 2567



ANALYSIS REPORT

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

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 SURAWONG

SAMPLE TYPE : COOLING WATER **RECEIVED DATE** : DECEMBER 6, 2024

SAMPLING DATE : DECEMBER 5, 2024 **ANALYTICAL DATE** : DECEMBER 6-11, 2024

SAMPLING TIME : 14:50 HOUR **ISSUE DATE** : DECEMBER 25, 2024

SAMPLING METHOD ^c : GRAB AND STERILE TECHNIQUE **REPORT NO.** : 2024-U121239

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

ANALYZED BY : MISS ITSARIYAPORN BUATIB **ANALYSIS NO.** : T24BC686-0003

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	DETECTION LIMIT
			จุดที่ไหลเข้ามาเดิมในระบบ T24BC686-0003	
pH ^c	-	ELECTROMETRIC METHOD (AT SITE) SM: PART 4500 -H ⁺ B AND 1060 B	7.4 (30.1°C)	-
RESIDUAL CHLORINE ^c	mg/L Cl ₂	MODIFIED DPD COLOURIMETRIC METHOD (AT SITE)	ND	0.1
MICROBIOLOGY				
COLIFORM BACTERIA ^b	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B AND C)	< 1.8	1.8
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, 24th EDITION, 2023.

ND : NOT DETECTED.

(MISS CHAWEEWAN BOONLA)
LABORATORY SUPERVISOR



ANALYSIS REPORT

PROJECT NAME : การตรวจวัดคุณภาพสิ่งแวดล้อม และการตรวจสอบการปฏิบัติตามมาตรการป้องกันและแก้ไขผลกระทบสิ่งแวดล้อม
โครงการ GRANDE CENTRE POINT 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 SURAWONG

SAMPLE TYPE : COOLING WATER

SAMPLING DATE : DECEMBER 5, 2024

SAMPLING TIME : 14:50 HOUR

SAMPLING METHOD * : GRAB AND STERILE TECHNIQUE

SAMPLING BY * : MR SUKSAN BOONLEANG

ANALYZED BY : MISS SUJIRA PRASERTSUKHO

RECEIVED DATE : DECEMBER 6, 2024

ANALYTICAL DATE : DECEMBER 6-18, 2024

ISSUE DATE : DECEMBER 25, 2024

REPORT NO. : 2024-U121241

WORK NO. : 2023-004357

ANALYSIS NO. : T24BC686-0003

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	DETECTION LIMIT
			จุดที่ไหลเข้ามาเติมในระบบ T24BC686-0003	
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 และการตรวจสอบการปฏิบัติตามมาตรการป้องกันและแก้ไขผลกระทบสิ่งแวดล้อม
โครงการ GRANDE CENTRE POINT 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 SURAWONG

SAMPLE TYPE : COOLING WATER

SAMPLING DATE : DECEMBER 5, 2024

SAMPLING TIME : 14:40 HOUR

SAMPLING METHOD ^c : GRAB AND STERILE TECHNIQUE

SAMPLING BY ^c : MR SUKSAN BOONLEANG

ANALYZED BY : MISS ITSARIYAPORN BUATIB

RECEIVED DATE : DECEMBER 6, 2024

ANALYTICAL DATE : DECEMBER 6-11, 2024

ISSUE DATE : DECEMBER 25, 2024

REPORT NO. : 2024-U121243

WORK NO. : 2023-004357

ANALYSIS NO. : T24BC686-0004

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	DETECTION LIMIT
			ในอ่างรองรับน้ำ T24BC686-0004	
pH ^c	-	ELECTROMETRIC METHOD (AT SITE) SM: PART 4500 -H+ B AND 1060 B	8.8 (28.9°C)	-
RESIDUAL CHLORINE ^c	mg/L Cl ₂	MODIFIED DPD COLOURIMETRIC METHOD (AT SITE)	0.1	0.1
MICROBIOLOGY				
COLIFORM BACTERIA ^b	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B AND C)	< 1.8	1.8
SAMPLE CONDITION WATER'S COLOUR/TURBID SEDIMENT			YELLOW/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, 24th EDITION, 2023.

(MISS CHAWEEWAN BOONLA)
LABORATORY SUPERVISOR



ANALYSIS REPORT

PROJECT NAME : การตรวจวัดคุณภาพสิ่งแวดล้อม และการตรวจสอบการปฏิบัติตามมาตรฐานการป้องกันและแก้ไขผลกระทบสิ่งแวดล้อม
โครงการ GRANDE CENTRE POINT 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 SURAWONG

SAMPLE TYPE : COOLING WATER **RECEIVED DATE** : DECEMBER 6, 2024

SAMPLING DATE : DECEMBER 5, 2024 **ANALYTICAL DATE** : DECEMBER 6-18, 2024

SAMPLING TIME : 14:40 HOUR **ISSUE DATE** : DECEMBER 25, 2024

SAMPLING METHOD * : GRAB AND STERILE TECHNIQUE **REPORT NO.** : 2024-U121244

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

ANALYZED BY : MISS SUJIRA PRASERTSUKHO **ANALYSIS NO.** : T24BC686-0004

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	DETECTION LIMIT
			ในอ่างรองรับน้ำ T24BC686-0004	
MICROBIOLOGY				
Legionella spp.	CFU/L	ISO 11731:2017-05 (E)	NOT DETECTED	100
SAMPLE CONDITION				
WATER'S COLOUR/TURBID			YELLOW/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 และการตรวจสอบการปฏิบัติตามมาตรการป้องกันและแก้ไขผลกระทบสิ่งแวดล้อม
โครงการ GRANDE CENTRE POINT SURAWONG ประจำปี 2567

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 SURAWONG

SAMPLE TYPE : COOLING WATER **RECEIVED DATE** : DECEMBER 6, 2024

SAMPLING DATE : DECEMBER 5, 2024 **ANALYTICAL DATE** : DECEMBER 6-11, 2024

SAMPLING TIME : 14:45 HOUR **ISSUE DATE** : DECEMBER 25, 2024

SAMPLING METHOD ^c : GRAB AND STERILE TECHNIQUE **REPORT NO.** : 2024-U121245

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

ANALYZED BY : MISS ITSARIYAPORN BUATIB **ANALYSIS NO.** : T24BC686-0005

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	DETECTION LIMIT
			ท่อน้ำทิ้งจากหอผึ่งเย็น T24BC686-0005	
pH ^c	-	ELECTROMETRIC METHOD (AT SITE) SM: PART 4500 -H ⁺ B AND 1060 B	8.8 (28.8°C)	-
RESIDUAL CHLORINE ^c	mg/L Cl ₂	MODIFIED DPD COLOURIMETRIC METHOD (AT SITE)	0.1	0.1
MICROBIOLOGY				
COLIFORM BACTERIA ^b	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B AND C)	4.5	1.8
SAMPLE CONDITION				
WATER'S COLOUR/TURBID			YELLOW/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, 24th EDITION, 2023.

(MISS CHAWEEWAN BOONLA)
LABORATORY SUPERVISOR



ANALYSIS REPORT

PROJECT NAME : การตรวจวัดคุณภาพสิ่งแวดล้อม และการตรวจสอบการปฏิบัติตามมาตรฐานการป้องกันและแก้ไขผลกระทบสิ่งแวดล้อม
โครงการ GRANDE CENTRE POINT 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 SURAWONG

SAMPLE TYPE : COOLING WATER **RECEIVED DATE** : DECEMBER 6, 2024

SAMPLING DATE : DECEMBER 5, 2024 **ANALYTICAL DATE** : DECEMBER 6-18, 2024

SAMPLING TIME : 14:45 HOUR **ISSUE DATE** : DECEMBER 25, 2024

SAMPLING METHOD * : GRAB AND STERILE TECHNIQUE **REPORT NO.** : 2024-U121246

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

ANALYZED BY : MISS SUJIRA PRASERTSUKHO **ANALYSIS NO.** : T24BC686-0005

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	DETECTION LIMIT
			หอน้ำทิ้งจากหอผึ่งเย็น T24BC686-0005	
MICROBIOLOGY				
Legionella spp.	CFU/L	ISO 11731:2017-05 (E)	NOT DETECTED	100
SAMPLE CONDITION				
WATER'S COLOUR/TURBID			YELLOW/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

