

## ภาคผนวก ก

### ผลวิเคราะห์คุณภาพน้ำทิ้ง

โครงการโรงแรมแคนทารี โคราช

ประจำเดือน มีนาคม 2567

(น้ำทิ้ง-หลังผ่านการบำบัด)

## ANALYSIS REPORT

**CUSTOMER NAME** : BL HUA COMPANY LIMITED  
**ADDRESS** : 899/1, 899/2 MITRAPART ROAD NAI MUEANG MUEANG NAKHON RATCHASIMA NAKHON RATCHASIMA 30000  
**CONTACT INFORMATION** : TEL : 0 2233 8989-98 e-mail : kj-qc@kasemkij.com  
**SAMPLING SOURCE** : WASTEWATER TREATMENT PLANT OF KANTARY HOTEL, KORAT  
**SAMPLE TYPE** : EFFLUENT  
**SAMPLING DATE** : MARCH 20, 2024  
**SAMPLING TIME** : -  
**SAMPLING METHOD** : -  
**SAMPLING BY** : CUSTOMER  
**ANALYZED BY** : MISS NAPAPORN KHUNNOKKHUM  
**RECEIVED DATE** : MARCH 22, 2024  
**ANALYTICAL DATE** : MARCH 22-29, 2024  
**ISSUE DATE** : MAY 14, 2024  
**REPORT NO.** : 2024-U040930  
**WORK NO.** : 2024-002147  
**ANALYSIS NO.** : T24AG104-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			EFFLUENT (KOR 1) T24AG104-0001		
pH	-	ELECTROMETRIC METHOD (SM: PART 4500-H <sup>+</sup> B)	7.0 (25°C)	5-9	-
BIOCHEMICAL OXYGEN DEMAND <sup>A</sup>	mg/L	AZIDE MODIFICATION METHOD (SM: PART 5210 B AND PART 4500-O C)	2.4	≤ 20	2.0
SUSPENDED SOLIDS	mg/L	SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: PART 2540 D)	13.7	≤ 30	5.0
TOTAL DISSOLVED SOLIDS	mg/L	IN-HOUSE METHOD: UAE.TP.WAO.007 (TOTAL DISSOLVED SOLIDS DRIED AT 103-105 °C); SM: PART 2540 C	353	500*	25
SETTLEABLE SOLIDS	mL/L	IMHOFF CONE (SM: PART 2540 F)	< 0.1	≤ 0.5	0.1
SULPHIDE	mg/L	IODOMETRIC METHOD (SM: PART 4500 -S <sup>2-</sup> F)	< 0.50	≤ 1.0	0.50
TOTAL KJELDAHL NITROGEN	mg/L	IN-HOUSE METHOD: UAE.TP.WAS.001 (KJELDAHL METHOD); SM: PART 4500-Norg C	34.4	≤ 35	15
FAT, OIL AND GREASE	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: PART 5520 B)	ND	≤ 20	3





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Tel.0 2763 2828 Fax 0 2763 2800 www.uaeconsultant.com E-mail: uae@uaeconsultant.com

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			EFFLUENT (KOR 1)		
			T24AG104-0001		
MICROBIOLOGY					
FAECAL COLIFORM BACTERIA	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 E)	35,000	-	1.8
COLIFORM BACTERIA	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B)	35,000	-	1.8
SAMPLE CONDITION					
WATER'S COLOUR/TURBID			YELLOW/TURBID		
SEDIMENT			BROWN		

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

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

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

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

ND : NON-DETECTABLE.

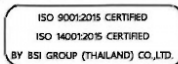
^ : SAMPLING ON APRIL 9, 2024, ANALYSIS NO. T24AH712-0001 (ANALYTICAL DATE : APRIL 10-16, 2024).

THE REASON FOR ISSUING THE NEW REPORT IS SUBSTITUTE RESULT.

SUBSTITUTED REPORT FOR REPORT NO. 2024-U027317, DATED APRIL 2, 2024.

*Piyapat S.*

(MRS PIYAPAT SUTTAMANUTWONG)  
LABORATORY SUPERVISOR



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2024-U040930

- End of Analysis Report -

## ANALYSIS REPORT

**CUSTOMER NAME** : BL HUA COMPANY LIMITED  
**ADDRESS** : 899/1, 899/2 MITRAPART ROAD NAI MUEANG MUEANG NAKHON RATCHASIMA NAKHON RATCHASIMA 30000  
**CONTACT INFORMATION** : TEL : 0 2233 8989-98 e-mail : kj-qc@kasemkij.com  
**SAMPLING SOURCE** : KANTARY HOTEL KORAT  
**SAMPLE TYPE** : WATER SUPPLY  
**SAMPLING DATE** : MARCH 20, 2024  
**SAMPLING TIME** : -  
**SAMPLING METHOD** : -  
**SAMPLING BY** : CUSTOMER  
**ANALYZED BY** : MISS NAPAPORN KHUNNOKKHUM  
**RECEIVED DATE** : MARCH 22, 2024  
**ANALYTICAL DATE** : MARCH 22-28, 2024  
**ISSUE DATE** : APRIL 1, 2024  
**REPORT NO.** : 2024-U027319  
**WORK NO.** : 2024-002147  
**ANALYSIS NO.** : T24AG104-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			WATER SUPPLY T24AG104-0002		
TOTAL DISSOLVED SOLIDS <sup>b</sup>	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: PART 2540 C)	183	≤ 1,000	25
<b>SAMPLE CONDITION</b> WATER'S COLOUR/TURBID SEDIMENT			COLOURLESS/CLEAR		

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

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

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

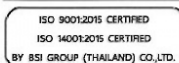
SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

REGULATORY STANDARD : WATER SUPPLY STANDARDS, NOTIFICATION OF THE PROVINCIAL WATERWORKS AUTHORITY FOLLOW AS WORLD HEALTH ORGANIZATION (WHO) GUIDELINE VALUE, B.E. 2554 (2011).

*Piyapat S.*

(MRS PIYAPAT SUTTAMANUTWONG)  
LABORATORY SUPERVISOR

APRIL 2, 2024



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โครงการโรงแรมแคนทารี โคราช

ประจำเดือน มีนาคม และ มิถุนายน 2567

(น้ำสระ-ส่วนลึก)



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TESTING  
No.0063

### ANALYSIS REPORT

**CUSTOMER NAME** : BL HUA COMPANY LIMITED  
**ADDRESS** : 899/1, 899/2 MITRAPART ROAD NAI MUEANG MUEANG NAKHON RATCHASIMA NAKHON RATCHASIMA 30000  
**CONTACT INFORMATION** : TEL : 0 2233 8989-98 e-mail : kj-qc@kasemkij.com  
**SAMPLING SOURCE** : KANTARY HOTEL KORAT  
**SAMPLE TYPE** : WATER SAMPLE FROM SWIMMING POOL  
**SAMPLING DATE** : MARCH 20, 2024  
**SAMPLING TIME** : -  
**SAMPLING METHOD** : -  
**SAMPLING BY** : CUSTOMER  
**ANALYZED BY** : MISS SALISA KAMWANNA

**RECEIVED DATE** : MARCH 22, 2024  
**ANALYTICAL DATE** : MARCH 22-29, 2024  
**ISSUE DATE** : APRIL 4, 2024  
**REPORT NO.** : 2024-U028418  
**WORK NO.** : 2024-002148  
**ANALYSIS NO.** : T24AG105-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (DEEP ZONE) T24AG105-0001		
MICROBIOLOGY					
COLIFORM BACTERIA <sup>b</sup>	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B)	< 1.1	< 10	1.1
<i>E. coli</i> <sup>b</sup>	/100 mL	FLUOROGENIC SUBSTRATE TEST (SM: PART 9221 D AND F)	NOT DETECTED	NOT DETECTED	-
<i>Pseudomonas aeruginosa</i> <sup>c</sup>	/100 mL	MEMBRANE FILTER TECHNIQUE (ISO 16266)	NOT DETECTED	1/	-
<i>Staphylococcus aureus</i> <sup>c</sup>	/100 mL	MEMBRANE FILTER TECHNIQUE (SM: PART 9213 B)	NOT DETECTED	1/	-
SAMPLE CONDITION					
WATER'S COLOUR/TURBID			COLOURLESS/CLEAR		
SEDIMENT			-		

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

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

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

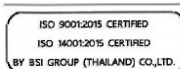
SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23<sup>rd</sup> EDITION, 2017.

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

1/ : DISEASE-CAUSING BACTERIA IS NOT DETECTED.

(MISS CHAWEewan BOONLA)  
LABORATORY SUPERVISOR

APRIL 5, 2024



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TESTING  
No.0063

### ANALYSIS REPORT

**CUSTOMER NAME** : BL HUA COMPANY LIMITED  
**ADDRESS** : 899/1, 899/2 MITRAPART ROAD NAI MUEANG MUEANG NAKHON RATCHASIMA NAKHON RATCHASIMA 30000  
**CONTACT INFORMATION** : TEL : 0 2233 8989-98 e-mail : kj-qc@kasemkij.com  
**SAMPLING SOURCE** : KANTARY HOTEL KORAT  
**SAMPLE TYPE** : WATER SAMPLE FROM SWIMMING POOL  
**SAMPLING DATE** : JUNE 17, 2024  
**SAMPLING TIME** : -  
**SAMPLING METHOD** : -  
**SAMPLING BY** : CUSTOMER  
**ANALYZED BY** : MISS ITSARIYAPORN BUATIB

**RECEIVED DATE** : JUNE 19, 2024  
**ANALYTICAL DATE** : JUNE 19-25, 2024  
**ISSUE DATE** : JULY 23, 2024  
**REPORT NO.** : 2024-U067522  
**WORK NO.** : 2024-005217  
**ANALYSIS NO.** : T24AN637-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (DEEP ZONE) T24AN637-0001		
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>A C</sup>	/100 mL	MEMBRANE FILTER TECHNIQUE (ISO 16266)	NOT DETECTED	1/	-
SAMPLE CONDITION					
WATER'S COLOUR/TURBID			COLOURLESS/CLEAR		
SEDIMENT			-		

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

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

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

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

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

1/ : DISEASE-CAUSING BACTERIA IS NOT DETECTED.

<sup>a</sup> : SAMPLING BY CUSTOMER ON JULY 11, 2024, ANALYSIS NO. T24AF864-0001 (ANALYTICAL DATE : JULY 12-17, 2024).

THE REASON FOR ISSUING THE NEW REPORT IS SUBSTITUTE RESULT.

SUBSTITUTED REPORT FOR REPORT NO. 2024-U060650, ISSUE DATE JULY 3, 2024.

(MISS CHAWEEVAN BOONLA)  
 LABORATORY SUPERVISOR



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ISO/IEC 17025  
Accreditation No. 1349/65

## ANALYSIS REPORT

**CUSTOMER NAME** : BL HUA COMPANY LIMITED  
**ADDRESS** : 899/1, 899/2 MITRAPART ROAD NAI MUEANG MUEANG NAKHON RATCHASIMA NAKHON RATCHASIMA 30000  
**CONTACT INFORMATION** : TEL : 0 2233 8989-98 e-mail : kj-qc@kasemkij.com  
**SAMPLING SOURCE** : KANTARY HOTEL KORAT  
**SAMPLE TYPE** : WATER SAMPLE FROM SWIMMING POOL  
**SAMPLING DATE** : JUNE 17, 2024  
**SAMPLING TIME** : -  
**SAMPLING METHOD** : -  
**SAMPLING BY** : CUSTOMER  
**ANALYZED BY** : MISS JITSAMON NGAMKANA  
**RECEIVED DATE** : JUNE 19, 2024  
**ANALYTICAL DATE** : JUNE 19-25, 2024  
**ISSUE DATE** : JULY 3, 2024  
**REPORT NO.** : 2024-U060651  
**WORK NO.** : 2024-005217  
**ANALYSIS NO.** : T24AN637-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD
			SWIMMING POOL (DEEP ZONE) T24AN637-0001	
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	1/
SAMPLE CONDITION				
WATER'S COLOUR/TURBID SEDIMENT			COLOURLESS/CLEAR	

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

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

1/ : DISEASE-CAUSING BACTERIA IS NOT DETECTED.

(MISS CHAWEEVAN BOONLA)  
LABORATORY SUPERVISOR

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