

ANALYSIS REPORT

CUSTOMER NAME : THE ROYAL RIVER HOTEL
ADDRESS : 219 SOI CHARAN SANITWONG 66/1, BANG PHLAT BANG PHLAT BANGKOK 10700
CONTACT INFORMATION : TEL : 08 1905 2547 e-mail : pitrapa.b@royalriverhotel.com
SAMPLING SOURCE : โรงแรม รอยัลริเวอร์
SAMPLE TYPE : WASTEWATER
SAMPLING DATE : JANUARY 30, 2026
SAMPLING TIME : 1/
SAMPLING METHOD : GRAB, GRAB AND STERILE TECHNIQUE
SAMPLING BY : MR ACHITA SAENGJAN
ANALYZED BY : MISS NAPAPORN KHUNNOKKHUM
RECEIVED DATE : JANUARY 30, 2026
ANALYTICAL DATE : JANUARY 30 - FEBRUARY 5, 2026
ISSUE DATE : FEBRUARY 9, 2026
REPORT NO. : 2026-U009491
WORK NO. : 2025-012157
ANALYSIS NO. : T26AB811-0001 - T26AB811-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT		REGULATORY STANDARD	DETECTION LIMIT	LIMIT OF QUANTITATION (LOQ)
			1 10:10 HOUR 1/ T26AB811-0001	2 10:00 HOUR 1/ T26AB811-0002			
pH ^a	-	ELECTROMETRIC METHOD (AT SITE) SM: PART 4500-H ⁺ B AND 1060 B	7.0 (27.0°C)	6.5 (31.1°C)	5.5-9.0	-	-
BIOCHEMICAL OXYGEN DEMAND ^a	mg/L	MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	120	< 2.0	≤ 20	-	2.0
TOTAL SUSPENDED SOLIDS ^a	mg/L	TOTAL SUSPENDED SOLIDS DRIED FROM 103 TO 105 °C (SM: PART 2540 D)	49.7	< 5.0	≤ 30	-	5.0
TOTAL DISSOLVED SOLIDS ^b	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: PART 2540 C)	245	334	≤ 1,000	-	25
SULPHIDE ^b	mg/L	IODOMETRIC METHOD (SM: PART 4500-S ²⁻ F)	2.4	< 0.50	≤ 1.0	-	0.50
TOTAL KJELDAHL NITROGEN ^b	mg/L	IN-HOUSE METHOD: UAE.TP.WAS.001 (KJELDAHL METHOD); SM: PART 4500-Norg C	44.8	< 5.0	≤ 35	1.5	5.0
OIL AND GREASE ^a	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: PART 5520 B)	9	< 3	≤ 20	-	3



PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT		REGULATORY STANDARD	DETECTION LIMIT	LIMIT OF QUANTITATION (LOQ)
			1 10:10 HOUR 1/ T26AB811-0001	2 10:00 HOUR 1/ T26AB811-0002			
MICROBIOLOGY							
TOTAL COLIFORMS ^b	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221B AND C)	>160,000	700	-	1.8	-
SAMPLE CONDITION							
WATER'S COLOUR/TURBID			YELLOW/TURBID	YELLOW/CLEAR			
SEDIMENT			YELLOW	YELLOW			

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

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

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

RESULT 1 : INFLUENT

RESULT 2 : EFFLUENT

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 141, PART 233 D, DATED AUGUST 27, 2024.

Wilailak Srisuk

(MISS WILAILAK SRISUK)
LABORATORY SUPERVISOR

ANALYSIS REPORT

CUSTOMER NAME : THE ROYAL RIVER HOTEL
ADDRESS : 219 SOI CHARAN SANITWONG 66/1, BANG PHLAT BANG PHLAT BANGKOK 10700
CONTACT INFORMATION : TEL : 08 1905 2547 e-mail : pitrapa.b@royalriverhotel.com
SAMPLING SOURCE : โรงแรม รอยัลริเวอร์
SAMPLE TYPE : WASTEWATER
SAMPLING DATE : FEBRUARY 20, 2026
SAMPLING TIME : 1/
SAMPLING METHOD : GRAB, GRAB AND STERILE TECHNIQUE
SAMPLING BY : MR KRIDSANAPONG NAMTHIP
ANALYZED BY : MISS NAPAPORN KHUNNOKKHUM
RECEIVED DATE : FEBRUARY 20, 2026
ANALYTICAL DATE : FEBRUARY 20-27, 2026
ISSUE DATE : MARCH 2, 2026
REPORT NO. : 2026-U016095
WORK NO. : 2025-012157
ANALYSIS NO. : T26AD549-0001 - T26AD549-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT		REGULATORY STANDARD	DETECTION LIMIT	LIMIT OF QUANTITATION (LOQ)
			1 11:30 HOUR 1/ T26AD549-0001	2 11:25 HOUR 1/ T26AD549-0002			
pH ^a	-	ELECTROMETRIC METHOD (AT SITE) SM: PART 4500-H ⁺ B AND 1060 B	6.8 (29.1°C)	6.7 (32.5°C)	5.5-9.0	-	-
BIOCHEMICAL OXYGEN DEMAND ^a	mg/L	MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	84.0	2.4	≤ 20	-	2.0
TOTAL SUSPENDED SOLIDS ^a	mg/L	TOTAL SUSPENDED SOLIDS DRIED FROM 103 TO 105 °C (SM: PART 2540 D)	55.8	< 5.0	≤ 30	-	5.0
TOTAL DISSOLVED SOLIDS ^b	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: PART 2540 C)	231	349	≤ 1,000	-	25
SULPHIDE ^b	mg/L	IODOMETRIC METHOD (SM: PART 4500-S ²⁻ F)	< 0.50	< 0.50	≤ 1.0	-	0.50
TOTAL KJELDAHL NITROGEN ^c	mg/L	IN-HOUSE METHOD: UAE.TP.WAS.001 (KJELDAHL METHOD); SM: PART 4500-Norg C	40.2	ND	≤ 35	1.5	5.0
OIL AND GREASE ^a	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: PART 5520 B)	6	< 3	≤ 20	-	3



PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT		REGULATORY STANDARD	DETECTION LIMIT	LIMIT OF QUANTITATION (LOQ)
			1 11:30 HOUR 1/ T26AD549-0001	2 11:25 HOUR 1/ T26AD549-0002			
MICROBIOLOGY							
TOTAL COLIFORMS ^b	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B AND C)	>160,000	790	-	1.8	-
SAMPLE CONDITION							
WATER'S COLOUR/TURBID			YELLOW/TURBID	YELLOW/CLEAR			
SEDIMENT			BROWN	YELLOW			

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

^c : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT NOT IN SCOPE OF ACCREDITATION

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

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Wilailak Sriruk

(MISS WILAILAK SRISUK)
LABORATORY SUPERVISOR

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CUSTOMER NAME : THE ROYAL RIVER HOTEL
ADDRESS : 219 SOI CHARAN SANITWONG 66/1, BANG PHLAT BANG PHLAT BANGKOK 10700
CONTACT INFORMATION : TEL : 09 5173 3405 e-mail : phubess.j@royalriverhotel.com
SAMPLING SOURCE : โรงแรม รอยัลริเวอร์
SAMPLE TYPE : WASTEWATER
SAMPLING DATE : MARCH 20, 2026
SAMPLING TIME : 1/
SAMPLING METHOD : GRAB, GRAB AND STERILE TECHNIQUE
SAMPLING BY : MR SOMCHART UTHUMRAT
ANALYZED BY : MISS NAPAPORN KHUNNOKKHUM
RECEIVED DATE : MARCH 20, 2026
ANALYTICAL DATE : MARCH 20-30, 2026
ISSUE DATE : MARCH 30, 2026
REPORT NO. : 2026-U024738
WORK NO. : 2025-012157
ANALYSIS NO. : T26AF998-0001 - T26AF998-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT		REGULATORY STANDARD	DETECTION LIMIT	LIMIT OF QUANTITATION (LOQ)
			1 14:50 HOUR 1/ T26AF998-0001	2 14:40 HOUR 1/ T26AF998-0002			
pH ^a	-	ELECTROMETRIC METHOD (AT SITE) SM: PART 4500-H ⁺ B AND 1060 B	7.5 (30.0°C)	7.0 (32.0°C)	5.5-9.0	-	-
BIOCHEMICAL OXYGEN DEMAND ^a	mg/L	MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	57.8	< 2.0	≤ 20	-	2.0
TOTAL SUSPENDED SOLIDS ^a	mg/L	TOTAL SUSPENDED SOLIDS DRIED FROM 103 TO 105 °C (SM: PART 2540 D)	22.4	< 5.0	≤ 30	-	5.0
TOTAL DISSOLVED SOLIDS ^b	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: PART 2540 C)	186	409	≤ 1,000	-	25
SULPHIDE ^b	mg/L	IODOMETRIC METHOD (SM: PART 4500-S ²⁻ F)	0.50	< 0.50	≤ 1.0	-	0.50
TOTAL KJELDAHL NITROGEN ^b	mg/L	IN-HOUSE METHOD: UAE.TP.WAS.001 (KJELDAHL METHOD); SM: PART 4500-Norg C	40.4	< 5.0	≤ 35	1.5	5.0
OIL AND GREASE ^a	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: PART 5520 B)	3	< 3	≤ 20	-	3



PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT		REGULATORY STANDARD	DETECTION LIMIT	LIMIT OF QUANTITATION (LOQ)
			1 14:50 HOUR 1/ T26AF998-0001	2 14:40 HOUR 1/ T26AF998-0002			
MICROBIOLOGY							
TOTAL COLIFORMS ^b	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B AND C)	>160,000	700	-	1.8	-
SAMPLE CONDITION							
WATER'S COLOUR/TURBID SEDIMENT			YELLOW/CLEAR BROWN	YELLOW/CLEAR BROWN			

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Wilailak Srisuk

(MISS WILAILAK SRISUK)
LABORATORY SUPERVISOR

ANALYSIS REPORT

CUSTOMER NAME	: THE ROYAL RIVER HOTEL	RECEIVED DATE	: APRIL 23, 2026
ADDRESS	: 219 SOI CHARAN SANITWONG 66/1, BANG PHLAT BANG PHLAT BANGKOK 10700	ANALYTICAL DATE	: APRIL 23-MAY 5, 2026
CONTACT INFORMATION	: TEL : 09 5173 3405 e-mail : phubess.j@royalriverhotel.com	ISSUE DATE	: MAY 5, 2026
SAMPLING SOURCE	: โรงแรม รอยัลริเวอร์	REPORT NO.	: 2026-U035847
SAMPLE TYPE	: WASTEWATER	WORK NO.	: 2025-012157
SAMPLING DATE	: APRIL 23, 2026	ANALYSIS NO.	: T26AI546-0001 - T26AI546-0002
SAMPLING TIME	: 1/		
SAMPLING METHOD	: GRAB, GRAB AND STERILE TECHNIQUE		
SAMPLING BY	: MR ACHITA SAENGJAN		
ANALYZED BY	: MISS NAPAPORN KHUNNOKKHUM		

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT		REGULATORY STANDARD	DETECTION LIMIT	LIMIT OF QUANTITATION (LOQ)
			1 10:45 HOUR 1/ T26AI546-0001	2 10:40 HOUR 1/ T26AI546-0002			
pH ^a	-	ELECTROMETRIC METHOD (AT SITE) SM: PART 4500-H ⁺ B AND 1060 B	7.0 (30.6°C)	5.9 (31.9°C)	5.5-9.0	-	-
BIOCHEMICAL OXYGEN DEMAND ^a	mg/L	MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	59.7	2.3	≤ 20	-	2.0
TOTAL SUSPENDED SOLIDS ^a	mg/L	TOTAL SUSPENDED SOLIDS DRIED FROM 103 TO 105 °C (SM: PART 2540 D)	27.2	< 5.0	≤ 30	-	5.0
TOTAL DISSOLVED SOLIDS ^b	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: PART 2540 C)	221	430	≤ 1,000	-	25
SULPHIDE ^b	mg/L	IODOMETRIC METHOD (SM: PART 4500-S ²⁻ F)	1.8	< 0.50	≤ 1.0	-	0.50
TOTAL KJELDAHL NITROGEN ^b	mg/L	IN-HOUSE METHOD: UAE.TP.WAS.001 (KJELDAHL METHOD); SM: PART 4500-Norg C	46.8	< 5.0	≤ 35	1.5	5.0
OIL AND GREASE ^a	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: PART 5520 B)	5	< 3	≤ 20	-	3



PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT		REGULATORY STANDARD	DETECTION LIMIT	LIMIT OF QUANTITATION (LOQ)
			1 10:45 HOUR 1/ T26AI546-0001	2 10:40 HOUR 1/ T26AI546-0002			
MICROBIOLOGY							
TOTAL COLIFORMS ^b	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B AND C)	>160,000	4,900	-	1.8	-
SAMPLE CONDITION WATER'S COLOUR/TURBID SEDIMENT			YELLOW/TURBID BROWN	YELLOW/CLEAR -			

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ADDRESS : 219 SOI CHARAN SANITWONG 66/1, BANG PHLAT BANG PHLAT BANGKOK 10700
CONTACT INFORMATION : TEL : 09 5173 3405 e-mail : phubess.j@royalriverhotel.com
SAMPLING SOURCE : โรงแรม รอยัลริเวอร์
SAMPLE TYPE : WASTEWATER
SAMPLING DATE : -
SAMPLING TIME : -
SAMPLING METHOD : GRAB
SAMPLING BY : CUSTOMER
ANALYZED BY : MISS NAPAPORN KHUNNOKKHUM

RECEIVED DATE : MAY 29, 2026
ANALYTICAL DATE : MAY 29-JUNE 10, 2026
ISSUE DATE : JUNE 10, 2026
REPORT NO. : 2026-U049171
WORK NO. : 2025-012157
ANALYSIS NO. : T26AL847-0001 - T26AL847-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT		REGULATORY STANDARD	DETECTION LIMIT	LIMIT OF QUANTITATION (LOQ)
			1 T26AL847-0001	2 T26AL847-0002			
pH ^a	-	ELECTROMETRIC METHOD (AT SITE) SM: PART 4500-H ⁺ B AND 1060 B	6.6 (29.3°C)	6.8 (29.5°C)	5.5-9.0	-	-
BIOCHEMICAL OXYGEN DEMAND ^a	mg/L	MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	78.2	< 2.0	≤ 20	-	2.0
TOTAL SUSPENDED SOLIDS ^a	mg/L	TOTAL SUSPENDED SOLIDS DRIED FROM 103 TO 105 °C (SM: PART 2540 D)	322	< 5.0	≤ 30	-	5.0
TOTAL DISSOLVED SOLIDS ^b	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: PART 2540 C)	300	307	≤ 1,000	-	25
SULPHIDE ^b	mg/L	IODOMETRIC METHOD (SM: PART 4500-S ²⁻ F)	< 0.50	< 0.50	≤ 1.0	-	0.50
TOTAL KJELDAHL NITROGEN ^c	mg/L	IN-HOUSE METHOD: UAE.TP.WAS.001 (KJELDAHL METHOD); SM: PART 4500-Norg C	29.7	ND	≤ 35	1.5	5.0
OIL AND GREASE ^a	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: PART 5520 B)	< 3	< 3	≤ 20	-	3



PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT		REGULATORY STANDARD	DETECTION LIMIT	LIMIT OF QUANTITATION (LOQ)
			1 T26AL847-0001	2 T26AL847-0002			
MICROBIOLOGY							
TOTAL COLIFORMS ^b	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B AND C)	>160,000	330	-	1.8	-
SAMPLE CONDITION							
WATER'S COLOUR/TURBID			GREY/TURBID	YELLOW/CLEAR			
SEDIMENT			GREY	YELLOW			

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RESULT 2 : EFFLUENT

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[^] : MEASURED BY CUSTOMER.

ND : NOT DETECTED.

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ANALYSIS REPORT

CUSTOMER NAME : THE ROYAL RIVER HOTEL
ADDRESS : 219 SOI CHARAN SANITWONG 66/1, BANG PHLAT BANG PHLAT BANGKOK 10700
CONTACT INFORMATION : TEL : 09 5173 3405 e-mail : phubess.j@royalriverhotel.com
SAMPLING SOURCE : โรงแรม รอยัลริเวอร์
SAMPLE TYPE : WASTEWATER
SAMPLING DATE : JUNE 19, 2026
SAMPLING TIME : 1/
SAMPLING METHOD : GRAB
SAMPLING BY : MR ACHITA SAENGJAN
ANALYZED BY : MISS NAPAPORN KHUNNOKKHUM

RECEIVED DATE : JUNE 19, 2026
ANALYTICAL DATE : JUNE 19-26, 2026
ISSUE DATE : JUNE 29, 2026
REPORT NO. : 2026-U056777
WORK NO. : 2025-012157
ANALYSIS NO. : T26AN909-0001 - T26AN909-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT		REGULATORY STANDARD	DETECTION LIMIT	LIMIT OF QUANTITATION (LOQ)
			1 11:20 HOUR 1/ T26AN909-0001	2 11:15 HOUR 1/ T26AN909-0002			
pH ^a	-	ELECTROMETRIC METHOD (AT SITE) SM: PART 4500-H* B AND 1060 B	6.8 (29.8°C)	6.7 (30.6°C)	5.5-9.0	-	-
BIOCHEMICAL OXYGEN DEMAND ^a	mg/L	MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	56.0	< 2.0	≤ 20	-	2.0
TOTAL SUSPENDED SOLIDS ^a	mg/L	TOTAL SUSPENDED SOLIDS DRIED FROM 103 TO 105 °C (SM: PART 2540 D)	53.6	< 5.0	≤ 30	-	5.0
TOTAL DISSOLVED SOLIDS ^b	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: PART 2540 C)	249	394	≤ 1,000	-	25
SULPHIDE ^b	mg/L	IODOMETRIC METHOD (SM: PART 4500-S ² - F)	< 0.50	< 0.50	≤ 1.0	-	0.50
TOTAL KJELDAHL NITROGEN ^b	mg/L	IN-HOUSE METHOD: UAE.TP.WAS.001 (KJELDAHL METHOD); SM: PART 4500-Norg C	16.0	< 5.0	≤ 35	1.5	5.0
OIL AND GREASE ^a	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: PART 5520 B)	< 3	< 3	≤ 20	-	3



PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT		REGULATORY STANDARD	DETECTION LIMIT	LIMIT OF QUANTITATION (LOQ)
			1 11:20 HOUR 1/ T26AN909-0001	2 11:15 HOUR 1/ T26AN909-0002			
MICROBIOLOGY							
TOTAL COLIFORMS ^b	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B AND C)	>160,000	700	-	1.8	-
SAMPLE CONDITION							
WATER'S COLOUR/TURBID			YELLOW/TURBID	YELLOW/CLEAR			
SEDIMENT			BROWN	BROWN			

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Wilailak Srisuk

(MISS WILAILAK SRISUK)
LABORATORY SUPERVISOR

ISO 9001:2015 CERTIFIED
ISO 14001:2015 CERTIFIED
ISO 45001:2018 CERTIFIED

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• THIS ANALYSIS REPORT APPROVES ONLY FOR THE SAMPLES AS RECEIVED.

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2026-U056777

- End of Analysis Report -