

ANALYSIS REPORT

CUSTOMER NAME : SAMITIVEJ SRINAKARIN HOSPITAL
ADDRESS : 488 SRINAKARIN ROAD SUAN LUANG SUAN LUANG BANGKOK 10250
CONTACT INFORMATION : TEL : 0 2378 9102 e-mail : pitakpi@pcs.co.th
SAMPLING SOURCE : WASTEWATER TREATMENT PLANT
SAMPLE TYPE : EFFLUENT
SAMPLING DATE : JANUARY 6, 2026
SAMPLING TIME : 11:20 HOUR
SAMPLING METHOD : GRAB, GRAB AND STERILE TECHNIQUE
SAMPLING BY : MR WEERAYUT MOKKAEW
ANALYZED BY : MISS NAPAPORN KHUNNOKKHUM

RECEIVED DATE : JANUARY 6, 2026
ANALYTICAL DATE : JANUARY 6-13, 2026
ISSUE DATE : JANUARY 14, 2026
REPORT NO. : 2026-U002506
WORK NO. : 2025-008542
ANALYSIS NO. : T26AA037-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT	LIMIT OF QUANTITATION (LOQ)
			EFFLUENT T26AA037-0002			
pH ^a	-	ELECTROMETRIC METHOD (AT SITE) SM: PART 4500-H ⁺ B AND 1060 B	7.2 (30.0°C)	5.5-9.0	-	-
BIOCHEMICAL OXYGEN DEMAND ^a	mg/L	MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	< 2.0	≤ 20	-	2.0
TOTAL SUSPENDED SOLIDS ^a	mg/L	TOTAL SUSPENDED SOLIDS DRIED FROM 103 TO 105 °C (SM: PART 2540 D)	< 5.0	≤ 30	-	5.0
TOTAL DISSOLVED SOLIDS ^b	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: PART 2540 C)	246	1,000*	-	25
SETTLEABLE SOLIDS ^c	mL/L	IMHOFF CONE (SM: PART 2540 F)	< 0.1	-	0.1	-
SULPHIDE ^b	mg/L	IODOMETRIC METHOD (SM: PART 4500 -S ²⁻ F)	< 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	ND	≤ 35	1.5	5.0
OIL AND GREASE ^a	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: PART 5520 B)	< 3	≤ 20	-	3
FREE CHLORINE ^c	mg/L Cl ₂	MODIFIED DPD COLOURIMETRIC METHOD (AT SITE)	0.7	≤ 1.0	0.1	-



PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT	LIMIT OF QUANTITATION (LOQ)
			EFFLUENT T26AA037-0002			
MICROBIOLOGY						
TOTAL COLIFORMS ^b	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B AND C)	< 1.8	≤ 5,000	1.8	-
FAECAL COLIFORMS ^b	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B, C AND E)	< 1.8	≤ 1,000	1.8	-
SAMPLE CONDITION						
WATER'S COLOUR/TURBID			YELLOW/CLEAR			
SEDIMENT			BROWN			

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

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

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

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

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.

1,000* : PERMITTED EXCESS VALUE TO TOTAL DISSOLVED SOLIDS OF ACTUAL TAP WATER USED.

ND : NOT DETECTED.

COMMENT : ALL TESTED PARAMETERS ARE COMPLIED WITH REGULATORY STANDARD BY REPORTING ACCORDING TO UAE.WI.046.

Wilailak Sriruk

(MISS WILAILAK SRISUK)
LABORATORY SUPERVISOR

ANALYSIS REPORT

CUSTOMER NAME	: SAMITIVEJ SRINAKARIN HOSPITAL	RECEIVED DATE	: FEBRUARY 2, 2026
ADDRESS	: 488 SRINAKARIN ROAD SUAN LUANG SUAN LUANG BANGKOK 10250	ANALYTICAL DATE	: FEBRUARY 2-8, 2026
CONTACT INFORMATION	: TEL : 0 2378 9102 e-mail : pitakpi@pcs.co.th	ISSUE DATE	: FEBRUARY 10, 2026
SAMPLING SOURCE	: WASTEWATER TREATMENT PLANT	REPORT NO.	: 2026-U009900
SAMPLE TYPE	: EFFLUENT	WORK NO.	: 2025-008542
SAMPLING DATE	: FEBRUARY 2, 2026	ANALYSIS NO.	: T26AB964-0002
SAMPLING TIME	: 10:00 HOUR		
SAMPLING METHOD	: GRAB, GRAB AND STERILE TECHNIQUE		
SAMPLING BY	: MR WEERAYUT MOKKAEW		
ANALYZED BY	: MISS NAPAPORN KHUNNOKKHUM		

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT	LIMIT OF QUANTITATION (LOQ)
			EFFLUENT T26AB964-0002			
pH ^a	-	ELECTROMETRIC METHOD (AT SITE) SM: PART 4500-H ⁺ B AND 1060 B	7.3 (28.9°C)	5.5-9.0	-	-
BIOCHEMICAL OXYGEN DEMAND ^a	mg/L	MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	2.5	≤ 20	-	2.0
TOTAL SUSPENDED SOLIDS ^a	mg/L	TOTAL SUSPENDED SOLIDS DRIED FROM 103 TO 105 °C (SM: PART 2540 D)	7.9	≤ 30	-	5.0
TOTAL DISSOLVED SOLIDS ^b	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: PART 2540 C)	268	1,000*	-	25
SETTLABLE SOLIDS ^c	mL/L	IMHOFF CONE (SM: PART 2540 F)	< 0.1	-	0.1	-
SULPHIDE ^b	mg/L	IODOMETRIC METHOD (SM: PART 4500-S ²⁻ F)	< 0.50	≤ 1.0	-	0.50
TOTAL KJELDAHL NITROGEN ^b	mg/L	IN-HOUSE METHOD: UAE.TP.WAS.001 (KJELDAHL METHOD); SM: PART 4500-Norg C	7.8	≤ 35	1.5	5.0
OIL AND GREASE ^a	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: PART 5520 B)	< 3	≤ 20	-	3
FREE CHLORINE ^c	mg/L Cl ₂	MODIFIED DPD COLOURIMETRIC METHOD (AT SITE)	0.6	≤ 1.0	0.1	-



PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT	LIMIT OF QUANTITATION (LOQ)
			EFFLUENT T26AB964-0002			
MICROBIOLOGY						
TOTAL COLIFORMS ^b	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B AND C)	< 1.8	≤ 5,000	1.8	-
FAECAL COLIFORMS ^b	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B, C AND E)	< 1.8	≤ 1,000	1.8	-
SAMPLE CONDITION						
WATER'S COLOUR/TURBID			YELLOW/CLEAR			
SEDIMENT			BROWN			

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

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

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

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

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.

1,000* : PERMITTED EXCESS VALUE TO TOTAL DISSOLVED SOLIDS OF ACTUAL TAP WATER USED.

COMMENT : ALL TESTED PARAMETERS ARE COMPLIED WITH REGULATORY STANDARD BY REPORTING ACCORDING TO UAE.WI.046.

Wilailak Sriruk

(MISS WILAILAK SRISUK)
LABORATORY SUPERVISOR

ANALYSIS REPORT

CUSTOMER NAME : SAMITIVEJ SRINAKARIN HOSPITAL
ADDRESS : 488 SRINAKARIN ROAD SUAN LUANG SUAN LUANG BANGKOK 10250
CONTACT INFORMATION : TEL : 0 2378 9102 e-mail : pitakpi@pcs.co.th
SAMPLING SOURCE : WASTEWATER TREATMENT PLANT
SAMPLE TYPE : EFFLUENT
SAMPLING DATE : MARCH 2, 2026
SAMPLING TIME : 11:15 HOUR
SAMPLING METHOD : GRAB, GRAB AND STERILE TECHNIQUE
SAMPLING BY : MR SITTHIPOL PROMPOCHENBOON
ANALYZED BY : MISS NAPAPORN KHUNNOKKHUM
RECEIVED DATE : MARCH 2, 2026
ANALYTICAL DATE : MARCH 2-10, 2026
ISSUE DATE : MARCH 11, 2026
REPORT NO. : 2026-U018342
WORK NO. : 2025-008542
ANALYSIS NO. : T26AE227-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT	LIMIT OF QUANTITATION (LOQ)
			EFFLUENT T26AE227-0002			
pH ^a	-	ELECTROMETRIC METHOD (AT SITE) SM: PART 4500-H ⁺ B AND 1060 B	7.6 (29.9°C)	5.5-9.0	-	-
BIOCHEMICAL OXYGEN DEMAND ^a	mg/L	MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	2.8	≤ 20	-	2.0
TOTAL SUSPENDED SOLIDS ^a	mg/L	TOTAL SUSPENDED SOLIDS DRIED FROM 103 TO 105 °C (SM: PART 2540 D)	5.1	≤ 30	-	5.0
TOTAL DISSOLVED SOLIDS ^b	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: PART 2540 C)	227	1,000*	-	25
SETTLABLE SOLIDS ^c	mL/L	IMHOFF CONE (SM: PART 2540 F)	< 0.1	-	0.1	-
SULPHIDE ^b	mg/L	IODOMETRIC METHOD (SM: PART 4500-S ²⁻ F)	< 0.50	≤ 1.0	-	0.50
TOTAL KJELDAHL NITROGEN ^d	mg/L	IN-HOUSE METHOD: UAE.TP.WAS.001 (KJELDAHL METHOD); SM: PART 4500-Norg C	5.5	≤ 35	1.5	5.0
OIL AND GREASE ^a	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: PART 5520 B)	< 3	≤ 20	-	3
FREE CHLORINE ^c	mg/L Cl ₂	MODIFIED DPD COLOURIMETRIC METHOD (AT SITE)	0.8	≤ 1.0	0.1	-



PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT	LIMIT OF QUANTITATION (LOQ)
			EFFLUENT T26AE227-0002			
MICROBIOLOGY						
TOTAL COLIFORMS ^b	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B AND C)	< 1.8	≤ 5,000	1.8	-
FAECAL COLIFORMS ^b	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B, C AND E)	< 1.8	≤ 1,000	1.8	-
SAMPLE CONDITION						
WATER'S COLOUR/TURBID			YELLOW/CLEAR			
SEDIMENT			BROWN			

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

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1,000* : PERMITTED EXCESS VALUE TO TOTAL DISSOLVED SOLIDS OF ACTUAL TAP WATER USED.

COMMENT : ALL TESTED PARAMETERS ARE COMPLIED WITH REGULATORY STANDARD BY REPORTING ACCORDING TO UAE.WI.046.

Wilailak Srisuk

(MISS WILAILAK SRISUK)
LABORATORY SUPERVISOR

ANALYSIS REPORT

CUSTOMER NAME : SAMITIVEJ SRINAKARIN HOSPITAL
ADDRESS : 488 SRINAKARIN ROAD SUAN LUANG SUAN LUANG BANGKOK 10250
CONTACT INFORMATION : TEL : 0 2378 9102 e-mail : pitakpi@pcs.co.th
SAMPLING SOURCE : WASTEWATER TREATMENT PLANT
SAMPLE TYPE : EFFLUENT
SAMPLING DATE : APRIL 4, 2026
SAMPLING TIME : 10:00 HOUR
SAMPLING METHOD : GRAB, GRAB AND STERILE TECHNIQUE
SAMPLING BY : MR WEERAYUT MOKKAEW
ANALYZED BY : MISS NAPAPORN KHUNNOKKHUM

RECEIVED DATE : APRIL 4, 2026
ANALYTICAL DATE : APRIL 4-17, 2026
ISSUE DATE : APRIL 17, 2026
REPORT NO. : 2026-U029431
WORK NO. : 2025-008542
ANALYSIS NO. : T26AH324-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT	LIMIT OF QUANTITATION (LOQ)
			EFFLUENT T26AH324-0002			
pH ^a	-	ELECTROMETRIC METHOD (AT SITE) SM: PART 4500-H ⁺ B AND 1060 B	7.2 (30.2°C)	5.5-9.0	-	-
BIOCHEMICAL OXYGEN DEMAND ^a	mg/L	MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	2.8	≤ 20	-	2.0
TOTAL SUSPENDED SOLIDS ^a	mg/L	TOTAL SUSPENDED SOLIDS DRIED FROM 103 TO 105 °C (SM: PART 2540 D)	6.4	≤ 30	-	5.0
TOTAL DISSOLVED SOLIDS ^b	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: PART 2540 C)	160	1,000*	-	25
SETTLABLE SOLIDS ^c	mL/L	IMHOFF CONE (SM: PART 2540 F)	< 0.1	-	0.1	-
SULPHIDE ^b	mg/L	IODOMETRIC METHOD (SM: PART 4500-S ₂ F)	< 0.50	≤ 1.0	-	0.50
TOTAL KJELDAHL NITROGEN ^b	mg/L	IN-HOUSE METHOD: UAE.TP.WAS.001 (KJELDAHL METHOD); SM: PART 4500-Norg C	6.9	≤ 35	1.5	5.0
OIL AND GREASE ^a	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: PART 5520 B)	< 3	≤ 20	-	3
FREE CHLORINE ^c	mg/L Cl ₂	MODIFIED DPD COLOURIMETRIC METHOD (AT SITE)	0.6	≤ 1.0	0.1	-



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PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT	LIMIT OF QUANTITATION (LOQ)
			EFFLUENT T26AH324-0002			
MICROBIOLOGY						
TOTAL COLIFORMS ^b	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B AND C)	< 1.8	≤ 5,000	1.8	-
FAECAL COLIFORMS ^b	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B, C AND E)	< 1.8	≤ 1,000	1.8	-
SAMPLE CONDITION						
WATER'S COLOUR/TURBID			YELLOW/CLEAR			
SEDIMENT			BROWN			

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

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1,000* : PERMITTED EXCESS VALUE TO TOTAL DISSOLVED SOLIDS OF ACTUAL TAP WATER USED.

COMMENT : ALL TESTED PARAMETERS ARE COMPLIED WITH REGULATORY STANDARD BY REPORTING ACCORDING TO UAE.WI.046.

Wilailak Sriskul

(MISS WILAILAK SRISUK)
LABORATORY SUPERVISOR

ANALYSIS REPORT

CUSTOMER NAME : SAMITIVEJ SRINAKARIN HOSPITAL
ADDRESS : 488 SRINAKARIN ROAD SUAN LUANG SUAN LUANG BANGKOK 10250
CONTACT INFORMATION : TEL : 0 2378 9102 e-mail : pitakpi@pcs.co.th
SAMPLING SOURCE : WASTEWATER TREATMENT PLANT
SAMPLE TYPE : EFFLUENT
SAMPLING DATE : MAY 4, 2026
SAMPLING TIME : 11:10 HOUR
SAMPLING METHOD : GRAB, GRAB AND STERILE TECHNIQUE
SAMPLING BY : MR KANAPON KIRANON
ANALYZED BY : MISS NAPAPORN KHUNNOKKHUM

RECEIVED DATE : MAY 5, 2026
ANALYTICAL DATE : MAY 5-12, 2026
ISSUE DATE : MAY 13, 2026
REPORT NO. : 2026-U038331
WORK NO. : 2025-008542
ANALYSIS NO. : T26AJ325-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT	LIMIT OF QUANTITATION (LOQ)
			EFFLUENT T26AJ325-0002			
pH ^a	-	ELECTROMETRIC METHOD (AT SITE) SM: PART 4500-H ⁺ B AND 1060 B	7.5 (31.4°C)	5.5-9.0	-	-
BIOCHEMICAL OXYGEN DEMAND ^a	mg/L	MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	< 2.0	≤ 20	-	2.0
TOTAL SUSPENDED SOLIDS ^a	mg/L	TOTAL SUSPENDED SOLIDS DRIED FROM 103 TO 105 °C (SM: PART 2540 D)	< 5.0	≤ 30	-	5.0
TOTAL DISSOLVED SOLIDS ^b	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: PART 2540 C)	196	1,000*	-	25
SETTLABLE SOLIDS ^c	mL/L	IMHOFF CONE (SM: PART 2540 F)	< 0.1	-	0.1	-
SULPHIDE ^b	mg/L	IODOMETRIC METHOD (SM: PART 4500-S ²⁻ F)	< 0.50	≤ 1.0	-	0.50
TOTAL KJELDAHL NITROGEN ^p	mg/L	IN-HOUSE METHOD: UAE TP.WAS.001 (KJELDAHL METHOD); SM: PART 4500-Norg C	5.9	≤ 35	1.5	5.0
OIL AND GREASE ^a	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: PART 5520 B)	< 3	≤ 20	-	3
FREE CHLORINE ^c	mg/L Cl ₂	MODIFIED DPD COLOURIMETRIC METHOD (AT SITE)	ND	≤ 1.0	0.1	-

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT	LIMIT OF QUANTITATION (LOQ)
			EFFLUENT T26AJ325-0002			
MICROBIOLOGY						
TOTAL COLIFORMS ^b	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B AND C)	< 1.8	≤ 5,000	1.8	-
FAECAL COLIFORMS ^b	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B, C AND E)	< 1.8	≤ 1,000	1.8	-
SAMPLE CONDITION						
WATER'S COLOUR/TURBID			YELLOW/CLEAR			
SEDIMENT			BROWN			

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

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

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1,000* : PERMITTED EXCESS VALUE TO TOTAL DISSOLVED SOLIDS OF ACTUAL TAP WATER USED.

COMMENT : ALL TESTED PARAMETERS ARE COMPLIED WITH REGULATORY STANDARD BY REPORTING ACCORDING TO UAE.WI.046.

Wilailak Srisuk.

(MISS WILAILAK SRISUK)
LABORATORY SUPERVISOR

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ANALYSIS REPORT

CUSTOMER NAME : SAMITIVEJ SRINAKARIN HOSPITAL
ADDRESS : 488 SRINAKARIN ROAD SUAN LUANG SUAN LUANG BANGKOK 10250
CONTACT INFORMATION : TEL : 0 2378 9102 e-mail : pitakpi@pcs.co.th
SAMPLING SOURCE : WASTEWATER TREATMENT PLANT
SAMPLE TYPE : EFFLUENT
SAMPLING DATE : JUNE 1, 2026
SAMPLING TIME : 10:00 HOUR
SAMPLING METHOD : GRAB, GRAB AND STERILE TECHNIQUE
SAMPLING BY : MR WEERAYUT MOKKAEW
ANALYZED BY : MISS NAPAPORN KHUNNOKKHUM

RECEIVED DATE : JUNE 2, 2026
ANALYTICAL DATE : JUNE 2-9, 2026
ISSUE DATE : JUNE 11, 2026
REPORT NO. : 2026-U049479
WORK NO. : 2025-008542
ANALYSIS NO. : T26AL923-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT	LIMIT OF QUANTITATION (LOQ)
			EFFLUENT T26AL923-0002			
pH ^a	-	ELECTROMETRIC METHOD (AT SITE) SM: PART 4500-H ⁺ B AND 1060 B	7.4 (30.7°C)	5.5-9.0	-	-
BIOCHEMICAL OXYGEN DEMAND ^a	mg/L	MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	< 2.0	≤ 20	-	2.0
TOTAL SUSPENDED SOLIDS ^a	mg/L	TOTAL SUSPENDED SOLIDS DRIED FROM 103 TO 105 °C (SM: PART 2540 D)	5.3	≤ 30	-	5.0
TOTAL DISSOLVED SOLIDS ^b	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: PART 2540 C)	257	1,000*	-	25
SETTLABLE SOLIDS ^c	mL/L	IMHOFF CONE (SM: PART 2540 F)	< 0.1	-	0.1	-
SULPHIDE ^d	mg/L	IODOMETRIC METHOD (SM: PART 4500-S ²⁻ F)	< 0.50	≤ 1.0	-	0.50
TOTAL KJELDAHL NITROGEN ^e	mg/L	IN-HOUSE METHOD: UAE.TP.WAS.001 (KJELDAHL METHOD); SM: PART 4500-Norg C	< 5.0	≤ 35	1.5	5.0
OIL AND GREASE ^a	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: PART 5520 B)	< 3	≤ 20	-	3
FREE CHLORINE ^c	mg/L Cl ₂	MODIFIED DPD COLOURIMETRIC METHOD (AT SITE)	0.7	≤ 1.0	0.1	-



PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT	LIMIT OF QUANTITATION (LOQ)
			EFFLUENT T26AL923-0002			
MICROBIOLOGY						
TOTAL COLIFORMS ^b	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B AND C)	< 1.8	≤ 5,000	1.8	-
FAECAL COLIFORMS ^b	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B, C AND E)	< 1.8	≤ 1,000	1.8	-
SAMPLE CONDITION						
WATER'S COLOUR/TURBID SEDIMENT			YELLOW/CLEAR BROWN			

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

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

^c : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT 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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1,000* : PERMITTED EXCESS VALUE TO TOTAL DISSOLVED SOLIDS OF ACTUAL TAP WATER USED.

COMMENT : ALL TESTED PARAMETERS ARE COMPLIED WITH REGULATORY STANDARD BY REPORTING ACCORDING TO UAE.WI.046.

Wilailak Sriruk

(MISS WILAILAK SRISUK)
LABORATORY SUPERVISOR

ANALYSIS REPORT

CUSTOMER NAME : SAMITIVEJ SRINAKARIN HOSPITAL
ADDRESS : 488 SRINAKARIN ROAD SUAN LUANG SUAN LUANG BANGKOK 10250
CONTACT INFORMATION : TEL : 0 2378 9102 e-mail : pitakpi@pcs.co.th
SAMPLING SOURCE : WASTEWATER TREATMENT PLANT
SAMPLE TYPE : EFFLUENT
SAMPLING DATE : JUNE 1, 2026
SAMPLING TIME : 10:00 HOUR
SAMPLING METHOD ^c : GRAB AND STERILE TECHNIQUE
SAMPLING BY ^c : MR WEERAYUT MOKKAEW
ANALYZED BY : MISS CHATTRAPORN RATCHANET
RECEIVED DATE : JUNE 2, 2026
ANALYTICAL DATE : JUNE 2-10, 2026
ISSUE DATE : JUNE 12, 2026
REPORT NO. : 2026-U049486
WORK NO. : 2025-008542
ANALYSIS NO. : T26AL923-0009

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			EFFLUENT T26AL923-0009		
MICROBIOLOGY					
<i>E. coli</i> ^b	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B, C, E AND F)	< 1.8	< 1,000	1.8
PARASITIC EGGS ^c	eggs/L	SIMPLE-CENTRIFUGAL SEDIMENTATION, FORMALIN-ETHYL ACETATE SEDIMENTATION AND FLOATATION METHOD	NOT FOUND	< 1	-
SAMPLE CONDITION					
WATER'S COLOUR/TURBID SEDIMENT			COLOURLESS/CLEAR WHITE		

^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.

REGULATORY STANDARD : NOTIFICATION OF THE MINISTRY OF PUBLIC HEALTH SUBJECT : DETERMINATION OF THE AMOUNT OF HELMINTH EGGS AND E. COLI (ESCHERICHIA COLI) AND METHODS FOR SAMPLING AND DETECTION OF HELMINTH EGGS AND E. COLI (ESCHERICHIA COLI) IN WASTEWATER AND SLUDGE THAT HAS PASSED THROUGH THE SEWAGE DISPOSAL SYSTEM (B.E. 2561)



(MISS CHAWEEWAN BOONLA)
LABORATORY SUPERVISOR



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ANALYSIS REPORT

CUSTOMER NAME : SAMITVEJ SRINAKARIN HOSPITAL
ADDRESS : 488 SRINAKARIN ROAD SUAN LUANG SUAN LUANG BANGKOK 10250
CONTACT INFORMATION : TEL : 0 2378 9102 e-mail : pitakpi@pcs.co.th
SAMPLING SOURCE : -
SAMPLE TYPE : SLUDGE
SAMPLING DATE : JUNE 1, 2026
SAMPLING TIME : 10:15 HOUR
SAMPLING METHOD : GRAB
SAMPLING BY : MR WEERAYUT MOKKAEW
ANALYZED BY : MISS CHATTRAPORN RATCHANET
RECEIVED DATE : JUNE 2, 2026
ANALYTICAL DATE : JUNE 2-10, 2026
ISSUE DATE : JUNE 12, 2026
REPORT NO. : 2026-U049488
WORK NO. : 2025-008542
ANALYSIS NO. : T26AL923-0010

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SLUDGE T26AL923-0010		
MICROBIOLOGY					
<i>E. coli</i>	MPN/g	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B, C, E AND F)	<1.8	< 1,000	1.8
PARASITIC EGGS	eggs/g	SIMPLE-CENTRIFUGAL SEDIMENTATION, FORMALIN-ETHYL ACETATE SEDIMENTATION AND FLOATATION METHOD	NOT FOUND	< 1	-
SAMPLE CONDITION			BLACK SLUDGE		

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

REGULATORY STANDARD : NOTIFICATION OF THE MINISTRY OF PUBLIC HEALTH SUBJECT : DETERMINATION OF THE AMOUNT OF HELMINTH EGGS AND E. COLI (ESCHERICHIA COLI) AND METHODS FOR SAMPLING AND DETECTION OF HELMINTH EGGS AND E. COLI (ESCHERICHIA COLI) IN WASTEWATER AND SLUDGE THAT HAS PASSED THROUGH THE SEWAGE DISPOSAL SYSTEM (B.E. 2561)



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

