

ผลวิเคราะห์คุณภาพน้ำทิ้งของระบบบำบัดน้ำเสีย
ประจำเดือน มกราคม



United Analyst and Engineering Consultant Co., Ltd.

3 Soi Udomsuk 41, Sukhumvit Road, Bangchak, Phrakhanong, Bangkok 10260

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NSC-TISI-TIS 17025
TESTING 0207



TESTING
No. 0063

ANALYSIS REPORT

CUSTOMER NAME : KASEMKIJ COMPANY LIMITED ADDRESS : 43 SOI LANGSUAN PLOENCHIT ROAD, LUMPHINI PATHUM WAN BANGKOK 10330 CONTACT INFORMATION : TEL : 0 2233 8989-98 e-mail : kj-qc@kasemkij.com SAMPLING SOURCE : WASTEWATER TREATMENT PLANT OF CAPE HOUSE SAMPLE TYPE : WASTEWATER SAMPLING DATE : JANUARY 9, 2025 SAMPLING TIME : - SAMPLING METHOD : - SAMPLING BY : CUSTOMER ANALYZED BY : MISS NAPAPORN KHUNNOKKHUM	RECEIVED DATE : JANUARY 10, 2025 ANALYTICAL DATE : JANUARY 10-16, 2025 ISSUE DATE : JANUARY 20, 2025 REPORT NO. : 2025-U004413 WORK NO. : 2024-012337 ANALYSIS NO. : T25AA558-0001 - T25AA558-0002
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PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT		REGULATORY STANDARD	DETECTION LIMIT	LIMIT OF QUANTITATION (LOQ)
			1 T25AA558-0001	2 T25AA558-0002			
pH ^c	-	ELECTROMETRIC METHOD (SM: PART 4500-H ⁺ B)	7.3 (25°C)	6.7 (25°C)	5.5-9.0	-	-
BIOCHEMICAL OXYGEN DEMAND ^c	mg/L	AZIDE MODIFICATION METHOD (SM: PART 5210 B AND PART 4500-O C)	219	6.2	≤ 30	-	2.0
TOTAL SUSPENDED SOLIDS ^a	mg/L	TOTAL SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: PART 2540 D)	357	25.2	≤ 40	-	5.0
TOTAL KJELDAHL NITROGEN ^b	mg/L	IN-HOUSE METHOD: UAE.TP.WAS.001 (KJELDAHL METHOD); SM: PART 4500-Norg C	53.2	5.0	≤ 35	1.5	5.0
OIL AND GREASE ^a	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: PART 5520 B)	28	< 3	≤ 20	-	3

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PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT		REGULATORY STANDARD	DETECTION LIMIT	LIMIT OF QUANTITATION (LOQ)
			1 T25AA558-0001	2 T25AA558-0002			
MICROBIOLOGY							
FAECAL COLIFORM BACTERIA b	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B, C AND E)	160,000	2,400	-	1.8	-
SAMPLE CONDITION							
WATER'S COLOUR/TURBID SEDIMENT			YELLOW/TURBID BROWN	YELLOW/TURBID 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 STILL NOT ACCREDITED

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 B, NOTIFICATION OF THE MINISTRY OF RESOURCES AND ENVIRONMENT, PUBLISHED IN THE ROYAL GOVERNMENT GAZETTE, VOL 141, PART 233 D, DATED AUGUST 27, 2024.

BIOCHEMICAL OXYGEN DEMAND (T25AA558-0002) : ADDITION OF NITRIFICATION INHIBITION (TCMP) FOLLOW TO THE SM: 5210B.5(e).

Wibubha Simuk.

(MISS WILAILAK SRISUK)
LABORATORY SUPERVISOR

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2025-U004413

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ANALYSIS REPORT

CUSTOMER NAME : KASEMKIJ COMPANY LIMITED ADDRESS : 43 SOI LANGSUAN PLOENCHIT ROAD, LUMPHINI PATHUM WAN BANGKOK 10330 CONTACT INFORMATION : TEL : 0 2233 8989-98 e-mail : kj-qc@kasemkij.com SAMPLING SOURCE : WASTEWATER TREATMENT PLANT OF CAPE HOUSE SAMPLE TYPE : WASTEWATER SAMPLING DATE : FEBRUARY 24, 2025 SAMPLING TIME : - SAMPLING METHOD : - SAMPLING BY : CUSTOMER ANALYZED BY : MISS NAPAPORN KHUNNOKKHUM	RECEIVED DATE : FEBRUARY 25, 2025 ANALYTICAL DATE : FEBRUARY 25 - MARCH 4, 2025 ISSUE DATE : MARCH 25, 2025 REPORT NO. : 2025-U024879 WORK NO. : 2025-001135 ANALYSIS NO. : T25AD938-0001 - T25AD938-0002
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PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT		REGULATORY STANDARD	DETECTION LIMIT	LIMIT OF QUANTITATION (LOQ)
			1 T25AD938-0001	2 T25AD938-0002			
pH ^a	-	ELECTROMETRIC METHOD (SM: PART 4500-H ⁺ B)	7.1 (25°C)	6.7 (25°C)	5.5-9.0	-	-
BIOCHEMICAL OXYGEN DEMAND ^a	mg/L	MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	220	< 2.0	≤ 30	-	2.0
TOTAL SUSPENDED SOLIDS ^a	mg/L	TOTAL SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: PART 2540 D)	258	< 5.0	≤ 40	-	5.0
TOTAL KJELDAHL NITROGEN ^b	mg/L	IN-HOUSE METHOD: UAE.TP.WAS.001 (KJELDAHL METHOD); SM: PART 4500-Norg C	39.8	13.6	≤ 35	1.5	5.0
OIL AND GREASE ^a	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: PART 5520 B)	6	< 3	≤ 20	-	3



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PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT		REGULATORY STANDARD	DETECTION LIMIT	LIMIT OF QUANTITATION (LOQ)
			1 T25AD938-0001	2 T25AD938-0002			
MICROBIOLOGY							
FAECAL COLIFORM BACTERIA ^b	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B, C AND E)	54,000	6.8	-	1.8	-
SAMPLE CONDITION							
WATER'S COLOUR/TURBID SEDIMENT			YELLOW/TURBID BROWN	YELLOW/TURBID BROWN			

^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 B, NOTIFICATION OF THE MINISTRY OF RESOURCES AND ENVIRONMENT, PUBLISHED IN THE ROYAL GOVERNMENT GAZETTE, VOL 141, PART 233 D, DATED AUGUST 27, 2024.

[^] : PARAMETER ANALYSED OF THE EFFLUENT IS SAMPLING ON MARCH 13, 2025, ANALYSIS NO. T25AF512-0001 (ANALYTICAL DATE : MARCH 14-20, 2025).

THE REASON FOR ISSUING THE NEW REPORT IS TO SUBSTITUTE RESULT OF BIOCHEMICAL OXYGEN DEMAND AND TOTAL SUSPENDED SOLIDS. SUBSTITUTED REPORT FOR REPORT NO. 2025-U018366, ISSUE DATE MARCH 5, 2025.

Wilailak Srisuk

(MISS WILAILAK SRISUK)
LABORATORY SUPERVISOR

ประจำเดือน มีนาคม



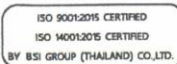
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ANALYSIS REPORT

CUSTOMER NAME : KASEMKIJ COMPANY LIMITED ADDRESS : 43 SOI LANGSUAN PLOENCHIT ROAD, LUMPHINI PATHUM WAN BANGKOK 10330 CONTACT INFORMATION : TEL : 0 2233 8989-98 e-mail : kj-qc@kasemkij.com SAMPLING SOURCE : WASTEWATER TREATMENT PLANT OF CAPE HOUSE SAMPLE TYPE : WASTEWATER SAMPLING DATE : MARCH 24, 2025 SAMPLING TIME : - SAMPLING METHOD : - SAMPLING BY : CUSTOMER ANALYZED BY : MISS NAPAPORN KHUNNOKKHUM	RECEIVED DATE : MARCH 26, 2025 ANALYTICAL DATE : MARCH 26-31, 2025 ISSUE DATE : MAY 6, 2025 REPORT NO. : 2025-U038614 WORK NO. : 2025-002101 ANALYSIS NO. : T25AG506-0001 - T25AG506-0002
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PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT		REGULATORY STANDARD	DETECTION LIMIT	LIMIT OF QUANTITATION (LOQ)
			1 T25AG506-0001	2 T25AG506-0002			
pH ^a	-	ELECTROMETRIC METHOD (SM: PART 4500-H ⁺ B)	8.3 (25°C)	7.1 (25°C)	5.5-9.0	-	-
BIOCHEMICAL OXYGEN DEMAND ^a	mg/L	MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	93.6	< 2.0	≤ 30	-	2.0
TOTAL SUSPENDED SOLIDS ^a	mg/L	TOTAL SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: PART 2540 D)	144	36.6	≤ 40	-	5.0
TOTAL KJELDAHL NITROGEN ^{a,b}	mg/L	IN-HOUSE METHOD: UAE.TP.WAS.001 (KJELDAHL METHOD); SM: PART 4500-Norg C	71.3	< 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



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PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT		REGULATORY STANDARD	DETECTION LIMIT	LIMIT OF QUANTITATION (LOQ)
			1 T25AG506-0001	2 T25AG506-0002			
MICROBIOLOGY							
FAECAL COLIFORM BACTERIA ^b	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221B, C AND E)	>160,000	>160,000	-	1.8	-
SAMPLE CONDITION							
WATER'S COLOUR/TURBID SEDIMENT			YELLOW/TURBID BROWN	YELLOW/TURBID BROWN			

^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 : ระบุน้ำโคลน (ขุ่นขาว)

RESULT 2 : ระบุน้ำโคลน (ขุ่นออก)

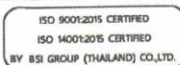
REGULATORY STANDARD : RANGE OR MAXIMUM PERMITTED VALUE FOR BUILDING EFFLUENT STANDARDS CLASS B, NOTIFICATION OF THE MINISTRY OF RESOURCES AND ENVIRONMENT, PUBLISHED IN THE ROYAL GOVERNMENT GAZETTE, VOL. 141, PART 233 D, DATED AUGUST 27, 2024.

[^] : PARAMETER ANALYSED OF THE EFFLUENT IS SAMPLING ON APRIL 22, 2025, ANALYSIS NO. T25AI591-0001 (ANALYTICAL DATE : APRIL 23-30, 2025).

THE REASON FOR ISSUING THE NEW REPORT IS TO SUBSTITUTE RESULT OF BIOCHEMICAL OXYGEN DEMAND AND TOTAL KJELDAHL NITROGEN. SUBSTITUTED REPORT FOR REPORT NO. 2025-U029161, ISSUE DATE APRIL 4, 2025.

Wibubk Srisuk.

(MISS WILAILAK SRISUK)
LABORATORY SUPERVISOR



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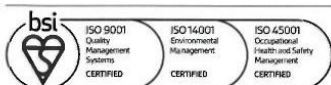
TESTING
No. 0063

ANALYSIS REPORT

CUSTOMER NAME : KASEMKIJ COMPANY LIMITED
ADDRESS : 43 SOI LANGSUAN PLOENCHIT ROAD, LUMPHINI PATHUM WAN BANGKOK 10330
CONTACT INFORMATION : TEL : 0 2233 8989-98 e-mail : kj-qc@kasemkij.com
SAMPLING SOURCE : WASTEWATER TREATMENT PLANT OF CAPE HOUSE
SAMPLE TYPE : WASTEWATER
SAMPLING DATE : APRIL 29, 2025
SAMPLING TIME : -
SAMPLING METHOD : -
SAMPLING BY : CUSTOMER
ANALYZED BY : MISS NAPAPORN KHUNNOCKHUM

RECEIVED DATE : APRIL 30, 2025
ANALYTICAL DATE : APRIL 30 - MAY 8, 2025
ISSUE DATE : JUNE 9, 2025
REPORT NO. : 2025-U050928
WORK NO. : 2025-002962
ANALYSIS NO. : T25AJ233-0001 - T25AJ233-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT		REGULATORY STANDARD	DETECTION LIMIT	LIMIT OF QUANTITATION (LOQ)
			1 T25AJ233-0001	2 T25AJ233-0002			
pH ^a	-	ELECTROMETRIC METHOD (SM: PART 4500-H ⁺ B)	8.5 (25°C)	7.1 (25°C)	5.5-9.0	-	-
BIOCHEMICAL OXYGEN DEMAND ^a	mg/L	MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	64.0	15.4	≤ 30	-	2.0
TOTAL SUSPENDED SOLIDS ^a	mg/L	TOTAL SUSPENDED SOLIDS DRIED FROM 103 TO 105 °C (SM: PART 2540 D)	40.3	13.9	≤ 40	-	5.0
TOTAL KJELDAHL NITROGEN ^b	mg/L	IN-HOUSE METHOD: UAE.TP.WAS.001 (KJELDAHL METHOD); SM: PART 4500-Norg C	62.7	< 5.0	≤ 35	1.5	5.0
OIL AND GREASE ^a	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: PART 5520 B)	6	< 3	≤ 20	-	3



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PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT		REGULATORY STANDARD	DETECTION LIMIT	LIMIT OF QUANTITATION (LOQ)
			1 T25AJ233-0001	2 T25AJ233-0002			
MICROBIOLOGY							
FAECAL COLIFORM BACTERIA ^b	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B, C AND E)	>160,000	35,000	-	1.8	-
SAMPLE CONDITION							
WATER'S COLOUR/TURBID			YELLOW/TURBID	YELLOW/TURBID			
SEDIMENT			BROWN	BROWN			

^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 : ระบบบำบัดฯ (ขาเข้า)

RESULT 2 : ระบบบำบัดฯ (ขาออก)

REGULATORY STANDARD : RANGE OR MAXIMUM PERMITTED VALUE FOR BUILDING EFFLUENT STANDARDS CLASS B, NOTIFICATION OF THE MINISTRY OF RESOURCES AND ENVIRONMENT, PUBLISHED IN THE ROYAL GOVERNMENT GAZETTE, VOL 141, PART 233 D, DATED AUGUST 27, 2024.

^A : SAMPLING ON MAY 28, 2025, ANALYSIS NO. T25AL547-0001 (ANALYTICAL DATE : MAY 29-30, 2025).

THE REASON FOR ISSUING THE NEW REPORT IS TO SUBSTITUTE RESULT OF TOTAL KJELDAHL NITROGEN.

SUBSTITUTED REPORT FOR REPORT NO. 2025-U041268, ISSUE DATE MAY 14, 2025.

Wilailak Srisuk.

(MISS WILAILAK SRISUK)
LABORATORY SUPERVISOR



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ANALYSIS REPORT

CUSTOMER NAME	: KASEMKIJ COMPANY LIMITED	RECEIVED DATE	: MAY 21, 2025
ADDRESS	: 43 SOI LANGSUAN PLOENCHIT ROAD, LUMPHINI PATHUM WAN BANGKOK 10330	ANALYTICAL DATE	: MAY 21-27, 2025
CONTACT INFORMATION	: TEL : 0 2233 8989-98 e-mail : kj-qc@kasemkij.com	ISSUE DATE	: JULY 4, 2025
SAMPLING SOURCE	: WASTEWATER TREATMENT PLANT OF CAPE HOUSE	REPORT NO.	: 2025-U061626
SAMPLE TYPE	: WASTEWATER	WORK NO.	: 2025-003967
SAMPLING DATE	: MAY 19, 2025	ANALYSIS NO.	: T25AK894-0001 - T25AK894-0002
SAMPLING TIME	: -		
SAMPLING METHOD	: -		
SAMPLING BY	: CUSTOMER		
ANALYZED BY	: MISS NAPAPORN KHUNNOKKHUM		

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT		REGULATORY STANDARD	DETECTION LIMIT	LIMIT OF QUANTIFICATION (LOQ)
			1 T25AK894-0001	2 T25AK894-0002			
pH ^a	-	ELECTROMETRIC METHOD (SM: PART 4500-H ⁺ B)	8.4 (25°C)	7.2 (25°C)	5.5-9.0	-	-
BIOCHEMICAL OXYGEN DEMAND ^a	mg/L	MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	230	10.7	≤ 30	-	2.0
TOTAL SUSPENDED SOLIDS ^a	mg/L	TOTAL SUSPENDED SOLIDS DRIED FROM 103 TO 105 °C (SM: PART 2540 D)	196	17.2	≤ 40	-	5.0
TOTAL KJELDAHL NITROGEN ^b	mg/L	IN-HOUSE METHOD: UAE.TP.WAS.001 (KJELDAHL METHOD); SM: PART 4500-Norg C	137	7.9 [^]	≤ 35	1.5	5.0
OIL AND GREASE ^a	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: PART 5520 B)	34	< 3	≤ 20	-	3



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PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT		REGULATORY STANDARD	DETECTION LIMIT	LIMIT OF QUANTITATION (LOQ)
			1 T25AK894-0001	2 T25AK894-0002			
MICROBIOLOGY							
FAECAL COLIFORM BACTERIA ^b	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B, C AND E)	160,000	160,000	-	1.8	-
SAMPLE CONDITION							
WATER'S COLOUR/TURBID			YELLOW/TURBID	YELLOW/TURBID			
SEDIMENT			BROWN	BROWN			

^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 : ระบอบน้ำดื่ม (ขาเข้า)

RESULT 2 : ระบอบน้ำดื่ม (ขาออก)

REGULATORY STANDARD : RANGE OR MAXIMUM PERMITTED VALUE FOR BUILDING EFFLUENT STANDARDS CLASS B, NOTIFICATION OF THE MINISTRY OF RESOURCES AND ENVIRONMENT, PUBLISHED IN THE ROYAL GOVERNMENT GAZETTE, VOL.141, PART 233 D, DATED AUGUST 27, 2024.

^A : SAMPLING ON JUNE 25, 2025, ANALYSIS NO. T25AO145-0001 (ANALYTICAL DATE : JUNE 26 - JULY 2, 2025).

THE REASON FOR ISSUING THE NEW REPORT IS TO SUBSTITUTE RESULT OF TOTAL KJELDAHL NITROGEN.

SUBSTITUTED REPORT FOR REPORT NO. 2025-U048665, ISSUE DATE MAY 30, 2025.

Piyapat S.

(MRS PIYAPAT SUTTAMANUTWONG)
LABORATORY SUPERVISOR



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ANALYSIS REPORT

CUSTOMER NAME	: KASEMKIJ COMPANY LIMITED	RECEIVED DATE	: JUNE 26, 2025
ADDRESS	: 43 SOI LANGSUAN PLOENCHIT ROAD, LUMPHINI PATHUM WAN BANGKOK 10330	ANALYTICAL DATE	: JUNE 26 - JULY 3, 2025
CONTACT INFORMATION	: TEL : 0 2233 8989-98 e-mail : kj-qc@kasemkij.com	ISSUE DATE	: JULY 24, 2025
SAMPLING SOURCE	: WASTEWATER TREATMENT PLANT OF CAPE HOUSE	REPORT NO.	: 2025-U067856
SAMPLE TYPE	: WASTEWATER	WORK NO.	: 2025-004781
SAMPLING DATE	: JUNE 25, 2025	ANALYSIS NO.	: T25AO144-0001 - T25AO144-0002
SAMPLING TIME	: -		
SAMPLING METHOD	: -		
SAMPLING BY	: CUSTOMER		
ANALYZED BY	: MISS NAPAPORN KHUNNOKKHUM		

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT		REGULATORY STANDARD	DETECTION LIMIT	LIMIT OF QUANTITATION (LOQ)
			1 T25AO144-0001	2 T25AO144-0002			
pH ^a	-	ELECTROMETRIC METHOD (SM: PART 4500-H ⁺ B)	7.8 (25°C)	7.3 (25°C)	5.5-9.0	-	-
BIOCHEMICAL OXYGEN DEMAND ^a	mg/L	MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	83.7	18.6	≤ 30	-	2.0
TOTAL SUSPENDED SOLIDS ^a	mg/L	TOTAL SUSPENDED SOLIDS DRIED FROM 103 TO 105 °C (SM: PART 2540 D)	41.9	15.3	≤ 40	-	5.0
TOTAL KJELDAHL NITROGEN ^b	mg/L	IN-HOUSE METHOD: UAE.TP.WAS.001 (KJELDAHL METHOD); SM: PART 4500-Norg C	40.0	31.7	≤ 35	1.5	5.0
OIL AND GREASE ^a	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: PART 5520 B)	6	< 3	≤ 20	-	3



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No. 0063

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT		REGULATORY STANDARD	DETECTION LIMIT	LIMIT OF QUANTITATION (LOQ)
			1 T25A0144-0001	2 T25A0144-0002			
MICROBIOLOGY							
FAECAL COLIFORMS ^b	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221B, C AND E)	>160,000	17,000	-	1.8	-
SAMPLE CONDITION							
WATER'S COLOUR/TURBID SEDIMENT			YELLOW/TURBID BROWN	YELLOW/TURBID BROWN			

^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 : ระบบบำบัดฯ (ขาเขี้ยว)

RESULT 2 : ระบบบำบัดฯ (ขาออก)

REGULATORY STANDARD : RANGE OR MAXIMUM PERMITTED VALUE FOR BUILDING EFFLUENT STANDARDS CLASS B, NOTIFICATION OF THE
MINISTRY OF RESOURCES AND ENVIRONMENT, PUBLISHED IN THE ROYAL GOVERNMENT GAZETTE, VOL. 141,
PART 233 D, DATED AUGUST 27, 2024.

THE REASON FOR ISSUING THE NEW REPORT IS TO SUBSTITUTE RESULT OF BIOCHEMICAL OXYGEN DEMAND.

[^] : PARAMETER ANALYSED OF THE EFFLUENT IS SAMPLING ON JULY 17, 2025, ANALYSIS NO. T25AP684-0001

(ANALYTICAL DATE : JULY 17-22, 2025).

SUBSTITUTED REPORT FOR REPORT NO. 2025-U061802, ISSUE DATE JULY 7, 2025.

Wilailak Sinuk.

(MISS WILAILAK SRISUK)
LABORATORY SUPERVISOR



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2025-U067856

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ประจำเดือน มกราคม



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ANALYSIS REPORT

CUSTOMER NAME	: KASEMKIJ COMPANY LIMITED	RECEIVED DATE	: JANUARY 10, 2025
ADDRESS	: 43 SOI LANGSUAN PLOENCHIT ROAD, LUMPHINI PATHUM WAN BANGKOK 10330	ANALYTICAL DATE	: JANUARY 10-16, 2025
CONTACT INFORMATION	: TEL : 0 2233 8989-98 e-mail : kj-qc@kasemkij.com	ISSUE DATE	: JANUARY 20, 2025
SAMPLING SOURCE	: WASTEWATER TREATMENT PLANT OF CAPE HOUSE	REPORT NO.	: 2025-U004414
SAMPLE TYPE	: EFFLUENT	WORK NO.	: 2024-012337
SAMPLING DATE	: JANUARY 9, 2025	ANALYSIS NO.	: T25AA558-0003
SAMPLING TIME	: -		
SAMPLING METHOD	: -		
SAMPLING BY	: CUSTOMER		
ANALYZED BY	: MISS ARIYA THARAROM		

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT	LIMIT OF QUANTITATION (LOQ)
			จุดระบายน้ำออกนอกโครงการ T25AA558-0003			
pH °	-	ELECTROMETRIC METHOD (SM: PART 4500-H ⁺ B)	7.1 (25°C)	5.5-9.0	-	-
BIOCHEMICAL OXYGEN DEMAND ^a	mg/L	AZIDE MODIFICATION METHOD (SM: PART 5210 B AND PART 4500-O C)	8.2	≤ 30	-	2.0
TOTAL SUSPENDED SOLIDS ^a	mg/L	TOTAL SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: PART 2540 D)	22.6	≤ 40	-	5.0
TOTAL KJELDAHL NITROGEN ^b	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
MICROBIOLOGY						
FAECAL COLIFORM BACTERIA ^b	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B, C AND E)	790	-	1.8	-
SAMPLE CONDITION						
WATER'S COLOUR/TURBID			YELLOW/TURBID			
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 STILL NOT ACCREDITED

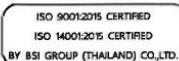
SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 24th EDITION, 2023.

REGULATORY STANDARD : RANGE OR MAXIMUM PERMITTED VALUE FOR BUILDING EFFLUENT STANDARDS CLASS B, NOTIFICATION OF THE MINISTRY OF RESOURCES AND ENVIRONMENT, PUBLISHED IN THE ROYAL GOVERNMENT GAZETTE, VOL 141, PART 233 D, DATED AUGUST 27, 2024.

* : ADDITION OF NITRIFICATION INHIBITION (TCMP) FOLLOW TO THE SM: 5210B,5(e).

Wilailak Srisuk.

(MISS WILAILAK SRISUK)
LABORATORY SUPERVISOR



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ANALYSIS REPORT

CUSTOMER NAME	: KASEMKIJ COMPANY LIMITED	RECEIVED DATE	: FEBRUARY 25, 2025
ADDRESS	: 43 SOI LANGSUAN PLOENCHIT ROAD, LUMPHINI PATHUM WAN BANGKOK 10330	ANALYTICAL DATE	: FEBRUARY 25 - MARCH 4, 2025
CONTACT INFORMATION	: TEL : 0 2233 8989-98 e-mail : kj-qc@kasemkij.com	ISSUE DATE	: MARCH 25, 2025
SAMPLING SOURCE	: WASTEWATER TREATMENT PLANT OF CAPE HOUSE	REPORT NO.	: 2025-U024880
SAMPLE TYPE	: EFFLUENT	WORK NO.	: 2025-001135
SAMPLING DATE	: FEBRUARY 24, 2025	ANALYSIS NO.	: T25AD938-0003
SAMPLING TIME	: -		
SAMPLING METHOD	: -		
SAMPLING BY	: CUSTOMER		
ANALYZED BY	: MISS ARIYA THARAROM		

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT	LIMIT OF QUANTITATION (LOQ)
			จตุรนาถออกนอกโครงการ T25AD938-0003			
pH ^a	-	ELECTROMETRIC METHOD (SM: PART 4500-H ⁺ B)	6.8 (25°C)	5.5-9.0	-	-
BIOCHEMICAL OXYGEN DEMAND ^{a,b}	mg/L	MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	< 2.0	≤ 30	-	2.0
TOTAL SUSPENDED SOLIDS ^{a,b}	mg/L	TOTAL SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: PART 2540 D)	< 5.0	≤ 40	-	5.0
TOTAL KJELDAHL NITROGEN ^b	mg/L	IN-HOUSE METHOD: UAE.TP.WAS.001 (KJELDAHL METHOD); SM: PART 4500-Norg C	14.1	≤ 35	1.5	5.0
OIL AND GREASE ^a	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: PART 5520 B)	< 3	≤ 20	-	3
MICROBIOLOGY						
FAECAL COLIFORM BACTERIA ^b	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B, C AND E)	2,200	-	1.8	-
SAMPLE CONDITION						
WATER'S COLOUR/TURBID SEDIMENT			YELLOW/TURBID BROWN			

^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.

REGULATORY STANDARD : RANGE OR MAXIMUM PERMITTED VALUE FOR BUILDING EFFLUENT STANDARDS CLASS B, NOTIFICATION OF THE MINISTRY OF RESOURCES AND ENVIRONMENT, PUBLISHED IN THE ROYAL GOVERNMENT GAZETTE, VOL. 141, PART 233 D, DATED AUGUST 27, 2024.

[^] : SAMPLING ON MARCH 13, 2025, ANALYSIS NO. T25AF512-0002 (ANALYTICAL DATE : MARCH 14-20, 2025).

THE REASON FOR ISSUING THE NEW REPORT IS TO SUBSTITUTE RESULT OF BIOCHEMICAL OXYGEN DEMAND AND TOTAL SUSPENDED SOLIDS. SUBSTITUTED REPORT FOR REPORT NO. 2025-U018367, ISSUE DATE MARCH 5, 2025.

Wilailak Srisuk

(MISS WILAILAK SRISUK)
LABORATORY SUPERVISOR

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ANALYSIS REPORT

CUSTOMER NAME	: KASEMKIJ COMPANY LIMITED	RECEIVED DATE	: MARCH 26, 2025
ADDRESS	: 43 SOI LANGSUAN PLOENCHIT ROAD, LUMPHINI PATHUM WAN BANGKOK 10330	ANALYTICAL DATE	: MARCH 26-31, 2025
CONTACT INFORMATION	: TEL : 0 2233 8989-98 e-mail : kj-qc@kasemkij.com	ISSUE DATE	: MAY 6, 2025
SAMPLING SOURCE	: WASTEWATER TREATMENT PLANT OF CAPE HOUSE	REPORT NO.	: 2025-U038615
SAMPLE TYPE	: EFFLUENT	WORK NO.	: 2025-002101
SAMPLING DATE	: MARCH 24, 2025	ANALYSIS NO.	: T25AG506-0003
SAMPLING TIME	: -		
SAMPLING METHOD	: -		
SAMPLING BY	: CUSTOMER		
ANALYZED BY	: MISS ARIYA THARAROM		

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT	LIMIT OF QUANTITATION (LOQ)
			จุดระบายน้ำออกนอกโครงการ T25AG506-0003			
pH ^a	-	ELECTROMETRIC METHOD (SM: PART 4500-H ⁺ B)	7.0 (25°C)	5.5-9.0	-	-
BIOCHEMICAL OXYGEN DEMAND ^{a,b}	mg/L	MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	< 2.0	≤ 30	-	2.0
TOTAL SUSPENDED SOLIDS ^{a,b}	mg/L	TOTAL SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: PART 2540 D)	< 5.0	≤ 40	-	5.0
TOTAL KJELDAHL NITROGEN ^{a,b}	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
MICROBIOLOGY						
FAECAL COLIFORM BACTERIA ^b	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B, C AND E)	92,000	-	1.8	-
SAMPLE CONDITION						
WATER'S COLOUR/TURBID SEDIMENT			YELLOW/TURBID BROWN			

^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.

REGULATORY STANDARD : RANGE OR MAXIMUM PERMITTED VALUE FOR BUILDING EFFLUENT STANDARDS CLASS B, NOTIFICATION OF THE MINISTRY OF RESOURCES AND ENVIRONMENT, PUBLISHED IN THE ROYAL GOVERNMENT GAZETTE, VOL 141, PART 233 D, DATED AUGUST 27, 2024.

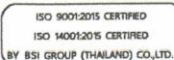
[^] : SAMPLING ON APRIL 22, 2025, ANALYSIS NO. T25A1591-0002 (ANALYTICAL DATE : APRIL 23-30, 2025).

THE REASON FOR ISSUING THE NEW REPORT IS TO SUBSTITUTE RESULT OF BIOCHEMICAL OXYGEN DEMAND, TOTAL SUSPENDED SOLIDS AND TOTAL KJELDAHL NITROGEN.

SUBSTITUTED REPORT FOR REPORT NO. 2025-U029162, ISSUE DATE APRIL 4, 2025.

Wilailak Srisuk

(MISS WILAILAK SRISUK)
LABORATORY SUPERVISOR



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ANALYSIS REPORT

CUSTOMER NAME : KASEMKI COMPANY LIMITED ADDRESS : 43 SOI LANGSUAN PLOENCHIT ROAD, LUMPHINI PATHUM WAN BANGKOK 10330 CONTACT INFORMATION : TEL : 0 2233 8989-98 e-mail : kj-qc@kasemkij.com SAMPLING SOURCE : WASTEWATER TREATMENT PLANT OF CAPE HOUSE SAMPLE TYPE : EFFLUENT SAMPLING DATE : APRIL 29, 2025 SAMPLING TIME : - SAMPLING METHOD : - SAMPLING BY : CUSTOMER ANALYZED BY : MISS ARIYA THARAROM	RECEIVED DATE : APRIL 30, 2025 ANALYTICAL DATE : APRIL 30 - MAY 8, 2025 ISSUE DATE : MAY 14, 2025 REPORT NO. : 2025-U041270 WORK NO. : 2025-002962 ANALYSIS NO. : T25AJ233-0003
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PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT	LIMIT OF QUANTITATION (LOQ)
			จุดระบายน้ำออกนอกโครงการ T25AJ233-0003			
pH ^a	-	ELECTROMETRIC METHOD (SM: PART 4500-H ⁺ B)	7.1 (25°C)	5.5-9.0	-	-
BIOCHEMICAL OXYGEN DEMAND ^a	mg/L	MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	12.4	≤ 30	-	2.0
TOTAL SUSPENDED SOLIDS ^a	mg/L	TOTAL SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: PART 2540 D)	13.6	≤ 40	-	5.0
TOTAL KJELDAHL NITROGEN ^b	mg/L	IN-HOUSE METHOD: UAE.TP.WAS.001 (KJELDAHL METHOD); SM: PART 4500-Norg C	33.4	≤ 35	1.5	5.0
OIL AND GREASE ^a	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: PART 5520 B)	< 3	≤ 20	-	3
MICROBIOLOGY						
FAECAL COLIFORM BACTERIA ^b	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B, C AND E)	22,000	-	1.8	-
SAMPLE CONDITION						
WATER'S COLOUR/TURBID			YELLOW/TURBID			
SEDIMENT			BROWN			

^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.

REGULATORY STANDARD : RANGE OR MAXIMUM PERMITTED VALUE FOR BUILDING EFFLUENT STANDARDS CLASS B, 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

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ANALYSIS REPORT

CUSTOMER NAME	: KASEMKIJ COMPANY LIMITED	RECEIVED DATE	: MAY 21, 2025
ADDRESS	: 43 SOI LANGSUAN PLOENCHIT ROAD, LUMPHINI PATHUM WAN BANGKOK 10330	ANALYTICAL DATE	: MAY 21-27, 2025
CONTACT INFORMATION	: TEL : 0 2233 8989-98 e-mail : kj-qc@kasemkij.com	ISSUE DATE	: MAY 30, 2025
SAMPLING SOURCE	: WASTEWATER TREATMENT PLANT OF CAPE HOUSE	REPORT NO.	: 2025-U048666
SAMPLE TYPE	: EFFLUENT	WORK NO.	: 2025-003967
SAMPLING DATE	: MAY 19, 2025	ANALYSIS NO.	: T25AK894-0003
SAMPLING TIME	: -		
SAMPLING METHOD	: -		
SAMPLING BY	: CUSTOMER		
ANALYZED BY	: MISS ARIYA THARAROM		

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT	LIMIT OF QUANTITATION (LOQ)
			จุลระบายน้าออกนอกโครงการ T25AK894-0003			
pH ^a	-	ELECTROMETRIC METHOD (SM: PART 4500-H ⁺ B)	7.2 (25°C)	5.5-9.0	-	-
BIOCHEMICAL OXYGEN DEMAND ^a	mg/L	MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	12.7	≤ 30	-	2.0
TOTAL SUSPENDED SOLIDS ^a	mg/L	TOTAL SUSPENDED SOLIDS DRIED FROM 103 TO 105 °C (SM: PART 2540 D)	15.7	≤ 40	-	5.0
TOTAL KJELDAHL NITROGEN ^b	mg/L	IN-HOUSE METHOD: UAE.TP.WAS.001 (KJELDAHL METHOD); SM: PART 4500-Norg C	34.9	≤ 35	1.5	5.0
OIL AND GREASE ^a	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: PART 5520 B)	< 3	≤ 20	-	3
MICROBIOLOGY						
FAECAL COLIFORM BACTERIA ^b	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B, C AND E)	11,000	-	1.8	-
SAMPLE CONDITION						
WATER'S COLOUR/TURBID			YELLOW/TURBID			
SEDIMENT			BROWN			

^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.

REGULATORY STANDARD : RANGE OR MAXIMUM PERMITTED VALUE FOR BUILDING EFFLUENT STANDARDS CLASS B, 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



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ANALYSIS REPORT

CUSTOMER NAME	: KASEMKIJ COMPANY LIMITED	RECEIVED DATE	: JUNE 26, 2025
ADDRESS	: 43 SOI LANGSUAN PLOENCHIT ROAD, LUMPHINI PATHUM WAN BANGKOK 10330	ANALYTICAL DATE	: JUNE 26 - JULY 3, 2025
CONTACT INFORMATION	: TEL : 0 2233 8989-98 e-mail : kj-qc@kasemkij.com	ISSUE DATE	: JULY 7, 2025
SAMPLING SOURCE	: WASTEWATER TREATMENT PLANT OF CAPE HOUSE	REPORT NO.	: 2025-U061803
SAMPLE TYPE	: EFFLUENT	WORK NO.	: 2025-004781
SAMPLING DATE	: JUNE 25, 2025	ANALYSIS NO.	: T25AO144-0003
SAMPLING TIME	: -		
SAMPLING METHOD	: -		
SAMPLING BY	: CUSTOMER		
ANALYZED BY	: MISS ARIYA THARAROM		

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT	LIMIT OF QUANTITATION (LOQ)
			จุดระบายน้ำออกนอกโครงการ T25AO144-0003			
pH ^a	-	ELECTROMETRIC METHOD (SM: PART 4500-H ⁺ B)	7.2 (25°C)	5.5-9.0	-	-
BIOCHEMICAL OXYGEN DEMAND ^a	mg/L	MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	18.8	≤ 30	-	2.0
TOTAL SUSPENDED SOLIDS ^a	mg/L	TOTAL SUSPENDED SOLIDS DRIED FROM 103 TO 105 °C (SM: PART 2540 D)	11.1	≤ 40	-	5.0
TOTAL KJELDAHL NITROGEN ^b	mg/L	IN-HOUSE METHOD: UAE.TP.WAS.001 (KJELDAHL METHOD); SM: PART 4500-Norg C	312	≤ 35	1.5	5.0
OIL AND GREASE ^a	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: PART 5520 B)	< 3	≤ 20	-	3
MICROBIOLOGY						
FAECAL COLIFORM BACTERIA ^b	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B, C AND E)	1400	-	18	-
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)

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 B, 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



ISO 9001
Quality
Management
Systems
CERTIFIED

ISO 14001
Environmental
Management
CERTIFIED

ISO 45001
Occupational
Health and Safety
Management
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ประจำเดือน มกราคม



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



TESTING
No.0063

ANALYSIS REPORT

CUSTOMER NAME : KASEMKIJ COMPANY LIMITED
ADDRESS : 43 SOI LANGSUAN PLOENCHIT ROAD, LUMPHINI PATHUM WAN BANGKOK 10330
CONTACT INFORMATION : TEL : 0 2233 8989-98 e-mail : kj-qc@kasemkij.com
SAMPLING SOURCE : CAPE HOUSE
SAMPLE TYPE : WATER SAMPLE FROM SWIMMING POOL
SAMPLING DATE : JANUARY 9, 2025
SAMPLING TIME : -
SAMPLING METHOD : -
SAMPLING BY : CUSTOMER
ANALYZED BY : MISS ITSARIYAPORN BUATIB
RECEIVED DATE : JANUARY 10, 2025
ANALYTICAL DATE : JANUARY 10-20, 2025
ISSUE DATE : JANUARY 24, 2025
REPORT NO. : 2025-U006345
WORK NO. : 2024-012338
ANALYSIS NO. : T25AA559-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (DEEP ZONE) T25AA559-0001		
pH ^c	-	ELECTROMETRIC METHOD (SM: PART 4500-H ⁺ B)	7.6 (25°C)	7.2-7.6*	-
RESIDUAL CHLORINE ^{a, c}	mg/L Cl ₂	MODIFIED DPD COLOURIMETRIC METHOD (AT SITE)	1.4	1.0-3.0*	0.1
MICROBIOLOGY					
COLIFORM BACTERIA ^b	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B AND C)	< 1.1	< 10	1.1
SAMPLE CONDITION			COLOURLESS/CLEAR		
WATER'S COLOUR/TURBID			-		
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 : BANGKOK METROPOLITAN REGULATIONS FOR THE BUSINESS DISTRICTIONAL TO HEALTH, B.E. 2530 (1987).

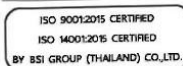
* : NATIONAL SPA AND POOL INSTITUTE (NSPI).

^a : MEASURED BY CUSTOMER.

THE REASON FOR ISSUING THE NEW REPORT IS TO CHANGE THE RESIDUAL CHLORINE AT LAB TO RESIDUAL CHLORINE AT SITE.
SUBSTITUTED REPORT FOR REPORT NO. 2025-U005091, ISSUE DATE JANUARY 22, 2025.

Chaweevan B.

(MISS CHAWEEVAN BOONLA)
LABORATORY SUPERVISOR



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No.0063

ANALYSIS REPORT

CUSTOMER NAME : KASEMKIJ COMPANY LIMITED ADDRESS : 43 SOI LANGSUAN PLOENCHIT ROAD, LUMPHINI PATHUM WAN BANGKOK 10330 CONTACT INFORMATION : TEL : 0 2233 8989-98 e-mail : kj-qc@kasemkij.com SAMPLING SOURCE : CAPE HOUSE SAMPLE TYPE : WATER SAMPLE FROM SWIMMING POOL SAMPLING DATE : APRIL 22, 2025 SAMPLING TIME : - SAMPLING METHOD : - SAMPLING BY : CUSTOMER ANALYZED BY : MISS ITSARIYAPORN BUATIB	RECEIVED DATE : APRIL 23, 2025 ANALYTICAL DATE : APRIL 23 - MAY 6, 2025 ISSUE DATE : MAY 7, 2025 REPORT NO. : 2025-U039412 WORK NO. : 2025-002963 ANALYSIS NO. : T25AI588-0001
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PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	REGULATORY STANDARD	DETECTION LIMIT
			SWIMMING POOL (DEEP ZONE) T25AI588-0001		
pH ^{AC}	-	ELECTROMETRIC METHOD (AT SITE) SM: PART 4500-H ⁺ B AND 1060 B	7.5	7.2-7.6*	-
RESIDUAL CHLORINE ^{AC}	mg/L Cl ₂	MODIFIED DPD COLOURIMETRIC METHOD (AT SITE)	2.9	1.0-3.0*	0.1
MICROBIOLOGY					
COLIFORM BACTERIA ^B	MPN/100 mL	MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 B AND C)	< 1.1	< 10	1.1
SAMPLE CONDITION					
WATER'S COLOUR/TURBID			COLOURLESS/CLEAR		
SEDIMENT			-		

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

* : NATIONAL SPA AND POOL INSTITUTE (NSPI).

^A : MEASURED BY CUSTOMER.

(MISS CHAWEewan BOONLA)
 LABORATORY SUPERVISOR



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