

# ผลวิเคราะห์คุณภาพน้ำทิ้ง อาคาร A

ประจำเดือน มกราคม 2568



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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 (KANTARY HILLS HOTEL CHIANG MAI)  
**ADDRESS** : 44, 44 / 1-4 NIMMANHEMIN ROAD SUTHEP MUEANG CHIANG MAI CHIANG MAI 50200  
**CONTACT INFORMATION** : TEL : 0 2233 8989-98 e-mail : kj-qc@kasemkij.com  
**SAMPLING SOURCE** : WASTEWATER TREATMENT PLANT OF KANTARY HILLS HOTEL CHIANGMAI  
**SAMPLE TYPE** : WASTEWATER  
**SAMPLING DATE** : JANUARY 8, 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 17, 2025  
**REPORT NO.** : 2025-U004372  
**WORK NO.** : 2024-012336  
**ANALYSIS NO.** : T25AA557-0001 - T25AA557-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT		REGULATORY STANDARD	DETECTION LIMIT	LIMIT OF QUANTITATION (LOQ)
			1 T25AA557-0001	2 T25AA557-0002			
pH <sup>a</sup>	-	ELECTROMETRIC METHOD (SM: PART 4500-H <sup>+</sup> B)	6.9 (25°C)	7.2 (25°C)	5.5-9.0	-	-
BIOCHEMICAL OXYGEN DEMAND <sup>c</sup>	mg/L	AZIDE MODIFICATION METHOD (SM: PART 5210 B AND PART 4500-O C)	340	13.6	≤ 30	-	2.0
TOTAL SUSPENDED SOLIDS <sup>a</sup>	mg/L	TOTAL SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: PART 2540 D)	362	22.3	≤ 40	-	5.0
TOTAL KJELDAHL NITROGEN <sup>b</sup>	mg/L	IN-HOUSE METHOD: UAE.TP.WAS.001 (KJELDAHL METHOD); SM: PART 4500-Norg C	43.0	8.8	≤ 35	1.5	5.0
OIL AND GREASE <sup>a</sup>	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: PART 5520 B)	132	< 3	≤ 20	-	3
<b>SAMPLE CONDITION</b> WATER'S COLOUR/TURBID SEDIMENT			YELLOW/TURBID BROWN	YELLOW/TURBID BROWN			

<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.

RESULT 1 : INFLUENT (BUILDING A)

RESULT 2 : EFFLUENT (BUILDING A)

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 (T25AA557-0002) : ADDITION OF NITRIFICATION INHIBITION (TCMP) FOLLOW TO THE SM: 5210B.5(e).

*Wilailak Sriruk*  
(MISS WILAILAK SRISUK)  
LABORATORY SUPERVISOR

ISO 9001:2015 CERTIFIED  
ISO 14001:2015 CERTIFIED  
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No. 0063

**ANALYSIS REPORT**

**CUSTOMER NAME** : KASEMKIJ COMPANY LIMITED (KANTARY HILLS HOTEL CHIANG MAI)  
**ADDRESS** : 44, 44 / 1-4 NIMMANHEMIN ROAD SUTHEP MUEANG CHIANG MAI CHIANG MAI 50200  
**CONTACT INFORMATION** : TEL : 0 2233 8989-98 e-mail : kj-qc@kasemkij.com  
**SAMPLE SOURCE** : WASTEWATER TREATMENT PLANT OF KANTARY HILLS HOTEL CHIANGMAI  
**SAMPLE TYPE** : WASTEWATER **RECEIVED DATE** : FEBRUARY 27, 2025  
**SAMPLING DATE** : FEBRUARY 26, 2025 **ANALYTICAL DATE** : FEBRUARY 27 - MARCH 5, 2025  
**SAMPLING TIME** : - **ISSUE DATE** : MARCH 10, 2025  
**SAMPLING METHOD** : - **REPORT NO.** : 2025-U019701  
**SAMPLING BY** : CUSTOMER **WORK NO.** : 2025-001134  
**ANALYZED BY** : MISS NAPAPORN KHUNNOKKHUM **ANALYSIS NO.** : T25AE166-0001 - T25AE166-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT		REGULATORY STANDARD	DETECTION LIMIT	LIMIT OF QUANTITATION (LOQ)
			1 T25AE166-0001	2 T25AE166-0002			
pH <sup>a</sup>	-	ELECTROMETRIC METHOD (SM: PART 4500-H <sup>+</sup> B)	7.2 (25°C)	7.3 (25°C)	5.5-9.0	-	-
BIOCHEMICAL OXYGEN DEMAND <sup>a</sup>	mg/L	MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	591	19.7	≤ 30	-	2.0
TOTAL SUSPENDED SOLIDS <sup>a</sup>	mg/L	TOTAL SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: PART 2540 D)	3,477	13.9	≤ 40	-	5.0
TOTAL KJELDAHL NITROGEN <sup>b</sup>	mg/L	IN-HOUSE METHOD: UAE.TP.WAS.001 (KJELDAHL METHOD); SM: PART 4500-Norg C	36.4	13.6	≤ 35	1.5	5.0
OIL AND GREASE <sup>a</sup>	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: PART 5520 B)	138	< 3	≤ 20	-	3
<b>SAMPLE CONDITION</b>							
WATER'S COLOUR/TURBID			YELLOW/TURBID	YELLOW/TURBID			
SEDIMENT			BROWN	BROWN			

<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)

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

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RESULT 2 : EFFLUENT (BUILDING A)

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*Wilailak Sriruk*

(MISS WILAILAK SRISUK)  
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**ADDRESS** : 44, 44 / 1-4 NIMMANHEMIN ROAD SUTHEP MUEANG CHIANG MAI CHIANG MAI 50200  
**CONTACT INFORMATION** : TEL : 0 2233 8989-98 e-mail : kj-qc@kasemkij.com  
**SAMPLING SOURCE** : WASTEWATER TREATMENT PLANT OF KANTARY HILLS HOTEL CHIANGMAI  
**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 8, 2025  
**REPORT NO.** : 2025-U038378  
**WORK NO.** : 2025-002100  
**ANALYSIS NO.** : T25AG505-0001 - T25AG505-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT		REGULATORY STANDARD	DETECTION LIMIT	LIMIT OF QUANTITATION (LOQ)
			1 T25AG505-0001	2 T25AG505-0002			
pH <sup>a</sup>	-	ELECTROMETRIC METHOD (SM: PART 4500-H <sup>+</sup> B)	7.0 (25°C)	7.2 (25°C)	5.5-9.0	-	-
BIOCHEMICAL OXYGEN DEMAND <sup>a</sup>	mg/L	MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	330	< 2.0	≤ 30	-	2.0
TOTAL SUSPENDED SOLIDS <sup>a</sup>	mg/L	TOTAL SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: PART 2540 D)	1,702	119	≤ 40	-	5.0
TOTAL KJELDAHL NITROGEN <sup>b</sup>	mg/L	IN-HOUSE METHOD: UAE.TP.WAS.001 (KJELDAHL METHOD); SM: PART 4500-Norg C	48.6	6.8	≤ 35	15	5.0



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PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT		REGULATORY STANDARD	DETECTION LIMIT	LIMIT OF QUANTITATION (LOQ)
			1 T25AGS05-0001	2 T25AGS05-0002			
OIL AND GREASE <sup>a</sup>	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: PART 5520 B)	135	< 3	≤ 20	-	3
<b>SAMPLE CONDITION</b>							
WATER'S COLOUR/TURBID			YELLOW/TURBID	YELLOW/TURBID			
SEDIMENT			BROWN	BROWN			

<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)

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

RESULT 1 : INFLUENT (BUILDING A)

RESULT 2 : EFFLUENT (BUILDING A)

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

<sup>A</sup> : PARAMETER ANALYSED OF THE EFFLUENT IS SAMPLING BY CUSTOMER ON APRIL 22, 2025, ANALYSIS NO. T25AI592-0001  
(ANALYTICAL DATE : APRIL 23-30, 2025).

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

SUBSTITUTED REPORT FOR REPORT NO. 2025-U029127, ISSUE DATE APRIL 4, 2025.

*Piyapat S.*

(MRS PIYAPAT SUTTAMANUTWONG)  
LABORATORY SUPERVISOR





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### ANALYSIS REPORT

<b>CUSTOMER NAME</b>	: KASEMKIJ COMPANY LIMITED (KANTARY HILLS HOTEL CHIANG MAI)	<b>RECEIVED DATE</b>	: APRIL 23, 2025
<b>ADDRESS</b>	: 44, 44 / 1-4 NIMMANHEMIN ROAD SUTHEP MUEANG CHIANG MAI CHIANG MAI 50200	<b>ANALYTICAL DATE</b>	: APRIL 23-30, 2025
<b>CONTACT INFORMATION</b>	: TEL : 0 2233 8989-98 e-mail : kj-qc@kasemkij.com	<b>ISSUE DATE</b>	: MAY 6, 2025
<b>SAMPLING SOURCE</b>	: WASTEWATER TREATMENT PLANT OF KANTARY HILLS HOTEL CHIANGMAI	<b>REPORT NO.</b>	: 2025-U038428
<b>SAMPLE TYPE</b>	: WASTEWATER	<b>WORK NO.</b>	: 2025-002961
<b>SAMPLING DATE</b>	: APRIL 21, 2025	<b>ANALYSIS NO.</b>	: T25AI586-0001 - T25AI586-0002
<b>SAMPLING TIME</b>	: -		
<b>SAMPLING METHOD</b>	: -		
<b>SAMPLING BY</b>	: CUSTOMER		
<b>ANALYZED BY</b>	: MISS NAPAPORN KHUNNOKKHUM		

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT		REGULATORY STANDARD	DETECTION LIMIT	LIMIT OF QUANTITATION (LOQ)
			1 T25AI586-0001	2 T25AI586-0002			
pH <sup>a</sup>	-	ELECTROMETRIC METHOD (SM: PART 4500-H <sup>+</sup> B)	6.3 (25°C)	7.0 (25°C)	5.5-9.0	-	-
BIOCHEMICAL OXYGEN DEMAND <sup>a</sup>	mg/L	MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	365	8.1	≤ 30	-	2.0
TOTAL SUSPENDED SOLIDS <sup>a</sup>	mg/L	TOTAL SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: PART 2540 D)	232	5.8	≤ 40	-	5.0
TOTAL KJELDAHL NITROGEN <sup>b</sup>	mg/L	IN-HOUSE METHOD: UAE.TP.WAS.001 (KJELDAHL METHOD); SM: PART 4500-Norg C	43.7	6.6	≤ 35	15	5.0
OIL AND GREASE <sup>a</sup>	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: PART 5520 B)	65	< 3	≤ 20	-	3
<b>SAMPLE CONDITION</b>							
WATER'S COLOUR/TURBID			YELLOW/TURBID	YELLOW/TURBID			
SEDIMENT			BROWN	BROWN			

<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)

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

RESULT 1 : INFLUENT (BUILDING A)

RESULT 2 : EFFLUENT (BUILDING A)

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*Wilailak Srisuk*

(MISS WILAILAK SRISUK)  
LABORATORY SUPERVISOR



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**CUSTOMER NAME** : KASEMKIJ COMPANY LIMITED (KANTARY HILLS HOTEL CHIANG MAI)  
**ADDRESS** : 44, 44 / 1-4 NIMMANHEMIN ROAD SUTHEP MUEANG CHIANG MAI CHIANG MAI 50200  
**CONTACT INFORMATION** : TEL : 0 2233 8989-98 e-mail : kj-qc@kasemkij.com  
**SAMPLING SOURCE** : WASTEWATER TREATMENT PLANT OF KANTARY HILLS HOTEL CHIANGMAI  
**SAMPLE TYPE** : WASTEWATER  
**SAMPLING DATE** : MAY 19, 2025  
**SAMPLING TIME** : -  
**SAMPLING METHOD** : -  
**SAMPLING BY** : CUSTOMER  
**ANALYZED BY** : MISS NAPAPORN KHUNNOKKHAM  
**RECEIVED DATE** : MAY 21, 2025  
**ANALYTICAL DATE** : MAY21-27, 2025  
**ISSUE DATE** : MAY 30, 2025  
**REPORT NO.** : 2025-U048673  
**WORK NO.** : 2025-003965  
**ANALYSIS NO.** : T25AK892-0001 - T25AK892-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT		REGULATORY STANDARD	DETECTION LIMIT	LIMIT OF QUANTITATION (LOQ)
			1 T25AK892-0001	2 T25AK892-0002			
pH <sup>a</sup>	-	ELECTROMETRIC METHOD (SM: PART 4500-H <sup>+</sup> B)	6.4 (25°C)	6.9 (25°C)	5.5-9.0	-	-
BIOCHEMICAL OXYGEN DEMAND <sup>a</sup>	mg/L	MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	492	2.0	≤ 30	-	2.0
TOTAL SUSPENDED SOLIDS <sup>a</sup>	mg/L	TOTAL SUSPENDED SOLIDS DRIED FROM 103 TO 105 °C (SM: PART 2540 D)	231	< 5.0	≤ 40	-	5.0
TOTAL KJELDAHL NITROGEN <sup>b</sup>	mg/L	IN-HOUSE METHOD: UAE.TP.WAS.001 (KJELDAHL METHOD); SM: PART 4500-Norg C	61.0	< 5.0	≤ 35	15	5.0
OIL AND GREASE <sup>a</sup>	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: PART 5520 B)	24	< 3	≤ 20	-	3
<b>SAMPLE CONDITION</b>							
WATER'S COLOUR/TURBID			YELLOW/TURBID	YELLOW/TURBID			
SEDIMENT			BROWN	BROWN			

<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)

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

RESULT 1 : INFLUENT (BUILDING A)

RESULT 2 : EFFLUENT (BUILDING A)

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*Wilailak Srisuk*

(MISS WILAILAK SRISUK)  
LABORATORY SUPERVISOR



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**CONTACT INFORMATION** : TEL : 0 2233 8989-98 e-mail : kj-qc@kasemkij.com  
**SAMPLING SOURCE** : WASTEWATER TREATMENT PLANT OF KANTARY HILLS HOTEL CHIANGMAI  
**SAMPLE TYPE** : WASTEWATER  
**SAMPLING DATE** : JUNE 17, 2025  
**SAMPLING TIME** : -  
**SAMPLING METHOD** : -  
**SAMPLING BY** : CUSTOMER  
**ANALYZED BY** : MISS NAPAPORN KHUNNOKKHUM

**RECEIVED DATE** : JUNE 19, 2025  
**ANALYTICAL DATE** : JUNE 19-27, 2025  
**ISSUE DATE** : JUNE 30, 2025  
**REPORT NO.** : 2025-U059536  
**WORK NO.** : 2025-004782  
**ANALYSIS NO.** : T2SAN473-0001 - T2SAN473-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT		REGULATORY STANDARD	DETECTION LIMIT	LIMIT OF QUANTITATION (LOQ)
			1 T2SAN473-0001	2 T2SAN473-0002			
pH <sup>a</sup>	-	ELECTROMETRIC METHOD (SM: PART 4500-H <sup>+</sup> B)	6.7 (25°C)	6.8 (25°C)	5.5-9.0	-	-
BIOCHEMICAL OXYGEN DEMAND <sup>a</sup>	mg/L	MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	234	7.1	≤ 30	-	2.0
TOTAL SUSPENDED SOLIDS <sup>a</sup>	mg/L	TOTAL SUSPENDED SOLIDS DRIED FROM 103 TO 105 °C (SM: PART 2540 D)	101	10.3	≤ 40	-	5.0
TOTAL KJELDAHL NITROGEN <sup>b</sup>	mg/L	IN-HOUSE METHOD: UAE.TP.WAS.001 (KJELDAHL METHOD); SM: PART 4500-Norg C	51.4	< 5.0	≤ 35	1.5	5.0
OIL AND GREASE <sup>a</sup>	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: PART 5520 B)	20	< 3	≤ 20	-	3
<b>SAMPLE CONDITION</b>							
WATER'S COLOUR/TURBID			YELLOW/TURBID	YELLOW/TURBID			
SEDIMENT			BROWN	BROWN			

<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)

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

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RESULT 2 : EFFLUENT (BUILDING A)

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*Wibulak Sinukh.*

(MISS WILAILAK SRISUK)  
LABORATORY SUPERVISOR



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ประจำเดือน มกราคม 2568



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



NSC-TISI-TIS 17025  
TESTING 0207



TESTING  
No. 0063

## ANALYSIS REPORT

**CUSTOMER NAME** : KASEMKIJ COMPANY LIMITED (KANTARY HILLS HOTEL CHIANG MAI)  
**ADDRESS** : 44, 44 / 1-4 NIMMANHEMIN ROAD SUTHEP MUEANG CHIANG MAI CHIANG MAI 50200  
**CONTACT INFORMATION** : TEL : 0 2233 8989-98 e-mail : kj-qc@kasemkij.com  
**SAMPLING SOURCE** : WASTEWATER TREATMENT PLANT OF KANTARY HILLS HOTEL CHIANGMAI  
**SAMPLE TYPE** : WASTEWATER  
**SAMPLING DATE** : JANUARY 8, 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 17, 2025  
**REPORT NO.** : 2025-U004373  
**WORK NO.** : 2024-012336  
**ANALYSIS NO.** : T25AA557-0003 - T25AA557-0004

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT		REGULATORY STANDARD	DETECTION LIMIT	LIMIT OF QUANTITATION (LOQ)
			1 T25AA557-0003	2 T25AA557-0004			
pH <sup>a</sup>	-	ELECTROMETRIC METHOD (SM: PART 4500-H <sup>+</sup> B)	7.0 (25°C)	6.8 (25°C)	5.5-9.0	-	-
BIOCHEMICAL OXYGEN DEMAND <sup>c</sup>	mg/L	AZIDE MODIFICATION METHOD (SM: PART 5210 B AND PART 4500-O C)	130	< 2.0	≤ 30	-	2.0
TOTAL SUSPENDED SOLIDS <sup>a</sup>	mg/L	TOTAL SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: PART 2540 D)	202	6.2	≤ 40	-	5.0
TOTAL KJELDAHL NITROGEN <sup>b</sup>	mg/L	IN-HOUSE METHOD: UAE.TP.WAS.001(KJELDAHL METHOD); SM: PART 4500-Norg C	108	5.7	≤ 35	1.5	5.0
OIL AND GREASE <sup>a</sup>	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: PART 5520 B)	16	< 3	≤ 20	-	3
<b>SAMPLE CONDITION</b> WATER'S COLOUR/TURBID SEDIMENT			YELLOW/TURBID BROWN	YELLOW/TURBID BROWN			

<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.

RESULT 1 : INFLUENT (BUILDING B)

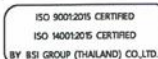
RESULT 2 : EFFLUENT (BUILDING B)

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 (T25AA557-0004) : ADDITION OF NITRIFICATION INHIBITION (TCMP) FOLLOW TO THE SM: 5210B,5(e).

*Wilailak Sriruk*

(MISS WILAILAK SRISUK)  
LABORATORY SUPERVISOR



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NSC - TISI - TIS 17025  
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TESTING  
No. 0063

**ANALYSIS REPORT**

**CUSTOMER NAME** : KASEMKIJ COMPANY LIMITED (KANTARY HILLS HOTEL CHIANG MAI)  
**ADDRESS** : 44, 44 / 1-4 NIMMANHEMIN ROAD SUTHEP MUEANG CHIANG MAI CHIANG MAI 50200  
**CONTACT INFORMATION** : TEL : 0 2233 8989-98 e-mail : kj-qc@kasemkij.com  
**SAMPLING SOURCE** : WASTEWATER TREATMENT PLANT OF KANTARY HILLS HOTEL CHIANGMAI  
**SAMPLE TYPE** : WASTEWATER  
**SAMPLING DATE** : FEBRUARY 26, 2025  
**SAMPLING TIME** : -  
**SAMPLING METHOD** : -  
**SAMPLING BY** : CUSTOMER  
**ANALYZED BY** : MISS NAPAPORN KHUNNOKKHUM

**RECEIVED DATE** : FEBRUARY 27, 2025  
**ANALYTICAL DATE** : FEBRUARY 27 - MARCH 5, 2025  
**ISSUE DATE** : MARCH 10, 2025  
**REPORT NO.** : 2025-U019704  
**WORK NO.** : 2025-001134  
**ANALYSIS NO.** : T25AE166-0003 - T25AE166-0004

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT		REGULATORY STANDARD	DETECTION LIMIT	LIMIT OF QUANTITATION (LOQ)
			1 T25AE166-0003	2 T25AE166-0004			
pH <sup>a</sup>	-	ELECTROMETRIC METHOD (SM: PART 4500-H <sup>+</sup> B)	6.8 (25°C)	6.6 (25°C)	5.5-9.0	-	-
BIOCHEMICAL OXYGEN DEMAND <sup>a</sup>	mg/L	MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	319	6.6	≤ 30	-	2.0
TOTAL SUSPENDED SOLIDS <sup>a</sup>	mg/L	TOTAL SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: PART 2540 D)	134	14.9	≤ 40	-	5.0
TOTAL KJELDAHL NITROGEN <sup>b</sup>	mg/L	IN-HOUSE METHOD: UAE.TP.WAS.001 (KJELDAHL METHOD); SM: PART 4500-Norg C	72.8	5.7	≤ 35	1.5	5.0
OIL AND GREASE <sup>a</sup>	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: PART 5520 B)	4	< 3	≤ 20	-	3
<b>SAMPLE CONDITION</b>							
WATER'S COLOUR/TURBID SEDIMENT			YELLOW/TURBID BROWN	YELLOW/TURBID BROWN			

<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)

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

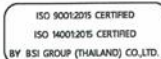
RESULT 1 : INFLUENT (BUILDING B)

RESULT 2 : EFFLUENT (BUILDING B)

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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NSC-TISI-TIS 17025  
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No. 0063

### ANALYSIS REPORT

**CUSTOMER NAME** : KASEMKIJ COMPANY LIMITED (KANTARY HILLS HOTEL CHIANG MAI)  
**ADDRESS** : 44, 44 / 1-4 NIMMANHEMIN ROAD SUTHEP MUEANG CHIANG MAI CHIANG MAI 50200  
**CONTACT INFORMATION** : TEL : 0 2233 8989-98 e-mail : kj-qc@kasemkij.com  
**SAMPLING SOURCE** : WASTEWATER TREATMENT PLANT OF KANTARY HILLS HOTEL CHIANGMAI  
**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** : APRIL 4, 2025  
**REPORT NO.** : 2025-U029128  
**WORK NO.** : 2025-002100  
**ANALYSIS NO.** : T25AGS05-0003 - T25AGS05-0004

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT		REGULATORY STANDARD	DETECTION LIMIT	LIMIT OF QUANTITATION (LOQ)
			1 T25AGS05-0003	2 T25AGS05-0004			
pH <sup>a</sup>	-	ELECTROMETRIC METHOD (SM: PART 4500-H <sup>+</sup> B)	6.9 (25°C)	6.6 (25°C)	5.5-9.0	-	-
BIOCHEMICAL OXYGEN DEMAND <sup>a</sup>	mg/L	MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	369	112	≤ 30	-	2.0
TOTAL SUSPENDED SOLIDS <sup>a</sup>	mg/L	TOTAL SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: PART 2540 D)	141	24.2	≤ 40	-	5.0
TOTAL KJELDAHL NITROGEN <sup>b</sup>	mg/L	IN-HOUSE METHOD: UAE.TP.WAS.001 (KJELDAHL METHOD); SM: PART 4500-Norg C	80.3	5.2	≤ 35	15	5.0
OIL AND GREASE <sup>a</sup>	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: PART 5520 B)	3	< 3	≤ 20	-	3
<b>SAMPLE CONDITION</b>							
WATER'S COLOUR/TURBID SEDIMENT			YELLOW/TURBID BROWN	YELLOW/TURBID BROWN			

<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)

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

RESULT 1 : INFLUENT (BUILDING B)

RESULT 2 : EFFLUENT (BUILDING B)

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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NSC-TISI-TIS 17025  
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No. 0063

### ANALYSIS REPORT

**CUSTOMER NAME** : KASEMKIJ COMPANY LIMITED (KANTARY HILLS HOTEL CHIANG MAI)  
**ADDRESS** : 44, 44 / 1-4 NIMMANHEMIN ROAD SUTHEP MUEANG CHIANG MAI CHIANG MAI 50200  
**CONTACT INFORMATION** : TEL : 0 2233 8989-98 e-mail : kj-qc@kasemkij.com  
**SAMPLING SOURCE** : WASTEWATER TREATMENT PLANT OF KANTARY HILLS HOTEL CHIANGMAI  
**SAMPLE TYPE** : WASTEWATER  
**SAMPLING DATE** : APRIL 21, 2025  
**SAMPLING TIME** : -  
**SAMPLING METHOD** : -  
**SAMPLING BY** : CUSTOMER  
**ANALYZED BY** : MISS NAPAPORN KHUNNOKKHUM

**RECEIVED DATE** : APRIL 23, 2025  
**ANALYTICAL DATE** : APRIL 23-30, 2025  
**ISSUE DATE** : MAY 6, 2025  
**REPORT NO.** : 2025-U038429  
**WORK NO.** : 2025-002961  
**ANALYSIS NO.** : T25AI586-0003 - T25AI586-0004

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT		REGULATORY STANDARD	DETECTION LIMIT	LIMIT OF QUANTITATION (LOQ)
			1 T25AI586-0003	2 T25AI586-0004			
pH <sup>a</sup>	-	ELECTROMETRIC METHOD (SM: PART 4500-H <sup>+</sup> B)	6.7 (25°C)	6.9 (25°C)	5.5-9.0	-	-
BIOCHEMICAL OXYGEN DEMAND <sup>a</sup>	mg/L	MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	234	3.1	≤ 30	-	2.0
TOTAL SUSPENDED SOLIDS <sup>a</sup>	mg/L	TOTAL SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: PART 2540 D)	528	9.4	≤ 40	-	5.0
TOTAL KJELDAHL NITROGEN <sup>b</sup>	mg/L	IN-HOUSE METHOD: UAE.TP.WAS.001 (KJELDAHL METHOD); SM: PART 4500-Norg C	74.7	< 5.0	≤ 35	15	5.0
OIL AND GREASE <sup>a</sup>	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: PART 5520 B)	43	< 3	≤ 20	-	3
<b>SAMPLE CONDITION</b>							
WATER'S COLOUR/TURBID			YELLOW/TURBID	YELLOW/TURBID			
SEDIMENT			BROWN	BROWN			

<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)

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

RESULT 1 : INFLUENT (BUILDING B)

RESULT 2 : EFFLUENT (BUILDING B)

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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TESTING  
No. 0063

### ANALYSIS REPORT

<b>CUSTOMER NAME</b>	: KASEMKIJ COMPANY LIMITED (KANTARY HILLS HOTEL CHIANG MAI)	<b>RECEIVED DATE</b>	: MAY 21, 2025
<b>ADDRESS</b>	: 44, 44 / 1-4 NIMMANHEMIN ROAD SUTHEP MUEANG CHIANG MAI CHIANG MAI 50200	<b>ANALYTICAL DATE</b>	: MAY 21-27, 2025
<b>CONTACT INFORMATION</b>	: TEL : 0 2233 8989-98 e-mail : kj-qc@kasemkij.com	<b>ISSUE DATE</b>	: MAY 30, 2025
<b>SAMPLING SOURCE</b>	: WASTEWATER TREATMENT PLANT OF KANTARY HILLS HOTEL CHIANGMAI	<b>REPORT NO.</b>	: 2025-U048674
<b>SAMPLE TYPE</b>	: WASTEWATER	<b>WORK NO.</b>	: 2025-003965
<b>SAMPLING DATE</b>	: MAY 19, 2025	<b>ANALYSIS NO.</b>	: T25AK892-0003 - T25AK892-0004
<b>SAMPLING TIME</b>	: -		
<b>SAMPLING METHOD</b>	: -		
<b>SAMPLING BY</b>	: CUSTOMER		
<b>ANALYZED BY</b>	: MISS NAPAPORN KHUNNOKKHUM		

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT		REGULATORY STANDARD	DETECTION LIMIT	LIMIT OF QUANTITATION (LOQ)
			1 T25AK892-0003	2 T25AK892-0004			
pH <sup>a</sup>	-	ELECTROMETRIC METHOD (SM: PART 4500-H <sup>+</sup> B)	6.7 (25°C)	7.2 (25°C)	5.5-9.0	-	-
BIOCHEMICAL OXYGEN DEMAND <sup>a</sup>	mg/L	MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	356	5.8	≤ 30	-	2.0
TOTAL SUSPENDED SOLIDS <sup>a</sup>	mg/L	TOTAL SUSPENDED SOLIDS DRIED FROM 103 TO 105 °C (SM: PART 2540 D)	191	7.3	≤ 40	-	5.0
TOTAL KJELDAHL NITROGEN <sup>b</sup>	mg/L	IN-HOUSE METHOD: UAE.TP.WAS.001 (KJELDAHL METHOD); SM: PART 4500-Norg C	616	< 5.0	≤ 35	15	5.0
OIL AND GREASE <sup>a</sup>	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: PART 5520 B)	48	< 3	≤ 20	-	3
<b>SAMPLE CONDITION</b>							
WATER'S COLOUR/TURBID			YELLOW/TURBID	YELLOW/TURBID			
SEDIMENT			BROWN	BROWN			

<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)

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

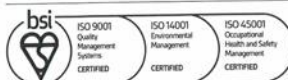
RESULT 1 : INFLUENT (BUILDING B)

RESULT 2 : EFFLUENT (BUILDING B)

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 (KANTARY HILLS HOTEL CHIANG MAI)  
**ADDRESS** : 44, 44 / 1-4 NIMMANHEMIN ROAD SUTHEP MUEANG CHIANG MAI CHIANG MAI 50200  
**CONTACT INFORMATION** : TEL : 0 2233 8989-98 e-mail : kj-qc@kasemkij.com  
**SAMPLING SOURCE** : WASTEWATER TREATMENT PLANT OF KANTARY HILLS HOTEL CHIANGMAI  
**SAMPLE TYPE** : WASTEWATER  
**SAMPLING DATE** : JUNE 17, 2025  
**SAMPLING TIME** : -  
**SAMPLING METHOD** : -  
**SAMPLING BY** : CUSTOMER  
**ANALYZED BY** : MISS NAPAPORN KHUNNOKKHUM

**RECEIVED DATE** : JUNE 19, 2025  
**ANALYTICAL DATE** : JUNE 19-27, 2025  
**ISSUE DATE** : JUNE 30, 2025  
**REPORT NO.** : 2025-U059538  
**WORK NO.** : 2025-004782  
**ANALYSIS NO.** : T25AN473-0003 - T25AN473-0004

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT		REGULATORY STANDARD	DETECTION LIMIT	LIMIT OF QUANTITATION (LOQ)
			1 T25AN473-0003	2 T25AN473-0004			
pH <sup>a</sup>	-	ELECTROMETRIC METHOD (SM: PART 4500-H <sup>+</sup> B)	5.5 (25°C)	7.1 (25°C)	5.5-9.0	-	-
BIOCHEMICAL OXYGEN DEMAND <sup>a</sup>	mg/L	MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	902	20.7	≤ 30	-	2.0
TOTAL SUSPENDED SOLIDS <sup>a</sup>	mg/L	TOTAL SUSPENDED SOLIDS DRIED FROM 103 TO 105 °C (SM: PART 2540 D)	229	16.0	≤ 40	-	5.0
TOTAL KJELDAHL NITROGEN <sup>b</sup>	mg/L	IN-HOUSE METHOD: UAE.TP.WAS.001 (KJELDAHL METHOD); SM: PART 4500-Norg C	44.1	9.5	≤ 35	1.5	5.0
OIL AND GREASE <sup>a</sup>	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: PART 5520 B)	91	3	≤ 20	-	3
<b>SAMPLE CONDITION</b> WATER'S COLOUR/TURBID SEDIMENT			YELLOW/TURBID BROWN	YELLOW/TURBID BROWN			

<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)

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

RESULT 1 : INFLUENT (BUILDING B)

RESULT 2 : EFFLUENT (BUILDING B)

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 Sriruk*

(MISS WILAILAK SRISUK)  
LABORATORY SUPERVISOR



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## ANALYSIS REPORT

**CUSTOMER NAME** : KASEMKIJ COMPANY LIMITED (KANTARY HILLS HOTEL CHIANG MAI)  
**ADDRESS** : 44, 44 / 1-4 NIMMANHEMIN ROAD SUTHEP MUEANG CHIANG MAI CHIANG MAI 50200  
**CONTACT INFORMATION** : TEL : 0 2233 8989-98 e-mail : kj-qc@kasemkij.com  
**SAMPLING SOURCE** : WASTEWATER TREATMENT PLANT OF KANTARY HILLS HOTEL CHIANGMAI  
**SAMPLE TYPE** : WASTEWATER  
**SAMPLING DATE** : JANUARY 8, 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 17, 2025  
**REPORT NO.** : 2025-U004374  
**WORK NO.** : 2024-012336  
**ANALYSIS NO.** : T25AA557-0005 - T25AA557-0006

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT		REGULATORY STANDARD	DETECTION LIMIT	LIMIT OF QUANTITATION (LOQ)
			1 T25AA557-0005	2 T25AA557-0006			
pH <sup>a</sup>	-	ELECTROMETRIC METHOD (SM: PART 4500-H <sup>+</sup> B)	7.4 (25°C)	6.8 (25°C)	5.5-9.0	-	-
BIOCHEMICAL OXYGEN DEMAND <sup>c</sup>	mg/L	AZIDE MODIFICATION METHOD (SM: PART 5210 B AND PART 4500-O C)	160	2.5	≤ 30	-	2.0
TOTAL SUSPENDED SOLIDS <sup>a</sup>	mg/L	TOTAL SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: PART 2540 D)	81.1	< 5.0	≤ 40	-	5.0
TOTAL KJELDAHL NITROGEN <sup>b</sup>	mg/L	IN-HOUSE METHOD: UAE.TP.WAS.001 (KJELDAHL METHOD); SM: PART 4500-Norg C	118	19.7	≤ 35	1.5	5.0
OIL AND GREASE <sup>a</sup>	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: PART 5520 B)	6	< 3	≤ 20	-	3
<b>SAMPLE CONDITION</b> WATER'S COLOUR/TURBID SEDIMENT			YELLOW/TURBID BROWN	YELLOW/CLEAR BROWN			

<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.

RESULT 1 : INFLUENT (BUILDING C)

RESULT 2 : EFFLUENT (BUILDING C)

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 (T25AA557-0006) : ADDITION OF NITRIFICATION INHIBITION (TCMP) FOLLOW TO THE SM: 5210B.5(e).

Wibubha Sinuk

(MISS WILAILAK SRISUK)  
LABORATORY SUPERVISOR

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NSC-TISI-TIS 17025  
TESTING 0207



TESTING  
No. 0063

**ANALYSIS REPORT**

<b>CUSTOMER NAME</b>	: KASEMKIJ COMPANY LIMITED (KANTARY HILLS HOTEL CHIANG MAI)	<b>RECEIVED DATE</b>	: FEBRUARY 27, 2025
<b>ADDRESS</b>	: 44, 44 / 1-4 NIMMANHEMIN ROAD SUTHEP MUEANG CHIANG MAI CHIANG MAI 50200	<b>ANALYTICAL DATE</b>	: FEBRUARY 27 - MARCH 11, 2025
<b>CONTACT INFORMATION</b>	: TEL : 0 2233 8989-98 e-mail : kj-qc@kasemkij.com	<b>ISSUE DATE</b>	: APRIL 4, 2025
<b>SAMPLING SOURCE</b>	: WASTEWATER TREATMENT PLANT OF KANTARY HILLS HOTEL CHIANGMAI	<b>REPORT NO.</b>	: 2025-U029182
<b>SAMPLE TYPE</b>	: WASTEWATER	<b>WORK NO.</b>	: 2025-001134
<b>SAMPLING DATE</b>	: FEBRUARY 26, 2025	<b>ANALYSIS NO.</b>	: T25AE166-0005 - T25AE166-0006
<b>SAMPLING TIME</b>	: -		
<b>SAMPLING METHOD</b>	: -		
<b>SAMPLING BY</b>	: CUSTOMER		
<b>ANALYZED BY</b>	: MISS NAPAPORN KHUNNOKKHUM		

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT		REGULATORY STANDARD	DETECTION LIMIT	LIMIT OF QUANTITATION (LOQ)
			1 T25AE166-0006	2 T25AE166-0005			
pH <sup>a</sup>	-	ELECTROMETRIC METHOD (SM: PART 4500-H <sup>+</sup> B)	7.4 (25°C)	-	5.5-9.0	-	-
pH <sup>ac</sup>	-	ELECTROMETRIC METHOD (AT SITE) SM: PART 4500-H <sup>+</sup> B AND 1060 B	-	5.9 (29.3°C)	5.5-9.0	-	-
BIOCHEMICAL OXYGEN DEMAND <sup>aa</sup>	mg/L	MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	134	7.2	≤ 30	-	2.0
TOTAL SUSPENDED SOLIDS <sup>a</sup>	mg/L	TOTAL SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: PART 2540 D)	275	13.0	≤ 40	-	5.0
TOTAL KJELDAHL NITROGEN <sup>b</sup>	mg/L	IN-HOUSE METHOD: UAE.TP.WAS.001 (KJELDAHL METHOD); SM: PART 4500-Norg C	101	8.6	≤ 35	1.5	5.0

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PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT		REGULATORY STANDARD	DETECTION LIMIT	LIMIT OF QUANTITATION (LOQ)
			1 T25AE166-0006	2 T25AE166-0005			
OIL AND GREASE <sup>a</sup>	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: PART 5520 B)	7	< 3	≤ 20	-	3
<b>SAMPLE CONDITION</b>							
WATER'S COLOUR/TURBID			YELLOW/TURBID	YELLOW/TURBID			
SEDIMENT			BROWN	BROWN			

<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 NOT IN SCOPE OF ACCREDITATION

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

RESULT 1 : INFLUENT (BUILDING C)

RESULT 2 : EFFLUENT (BUILDING C)

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.

<sup>A</sup> : MEASURED BY CUSTOMER.

<sup>AA</sup> : PARAMETER ANALYSED OF THE EFFLUENT IS ON MARCH 24, 2025, ANALYSIS NO. T25AG509-0001  
(ANALYTICAL DATE : MARCH 26-31, 2025).

THE REASON FOR ISSUING THE NEW REPORT IS TO SUBSTITUTE RESULT OF BIOCHEMICAL OXYGEN DEMAND.  
SUBSTITUTED REPORT FOR REPORT NO. 2025-U020548, ISSUE DATE MARCH 11, 2025.

*Wilailak Srisuk*

(MISS WILAILAK SRISUK)  
LABORATORY SUPERVISOR



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TESTING  
No. 0063

**ANALYSIS REPORT**

**CUSTOMER NAME** : KASEMKIJ COMPANY LIMITED (KANTARY HILLS HOTEL CHIANG MAI)  
**ADDRESS** : 44, 44 / 1-4 NIMMANHEMIN ROAD SUTHEP MUEANG CHIANG MAI CHIANG MAI 50200  
**CONTACT INFORMATION** : TEL : 0 2233 8989-98 e-mail : kj-qc@kasemkij.com  
**SAMPLING SOURCE** : WASTEWATER TREATMENT PLANT OF KANTARY HILLS HOTEL CHIANGMAI  
**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 8, 2025  
**REPORT NO.** : 2025-U038739  
**WORK NO.** : 2025-002100  
**ANALYSIS NO.** : T25AG505-0005 - T25AG505-0006

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT		REGULATORY STANDARD	DETECTION LIMIT	LIMIT OF QUANTITATION (LOQ)
			1 T25AG505-0005	2 T25AG505-0006			
pH <sup>a</sup>	-	ELECTROMETRIC METHOD (SM: PART 4500-H <sup>+</sup> B)	7.5 (25°C)	6.3 (25°C)	5.5-9.0	-	-
BIOCHEMICAL OXYGEN DEMAND <sup>a</sup>	mg/L	MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	158	< 2.0	≤ 30	-	2.0
TOTAL SUSPENDED SOLIDS <sup>a</sup>	mg/L	TOTAL SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: PART 2540 D)	132	16.6	≤ 40	-	5.0
TOTAL KJELDAHL NITROGEN <sup>b</sup>	mg/L	IN-HOUSE METHOD: UAE.TP.WAS.001 (KJELDAHL METHOD); SM: PART 4500-Norg C	103	17.4	≤ 35	1.5	5.0

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PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT		REGULATORY STANDARD	DETECTION LIMIT	LIMIT OF QUANTITATION (LOQ)
			1 T25AGS05-0005	2 T25AGS05-0006			
OIL AND GREASE <sup>a</sup>	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM. PART 5520 B)	3	< 3	≤ 20	-	3
<b>SAMPLE CONDITION</b> WATER'S COLOUR/TURBID SEDIMENT			YELLOW/TURBID BROWN	YELLOW/TURBID BROWN			

<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)

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

RESULT 1 : INFLUENT (BUILDING C)

RESULT 2 : EFFLUENT (BUILDING C)

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.

<sup>A</sup> : PARAMETER ANALYSED OF THE EFFLUENT IS SAMPLING BY CUSTOMER ON APRIL 22, 2025, ANALYSIS NO. T25AI592-0002  
(ANALYTICAL DATE : APRIL 23-30, 2025).

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

SUBSTITUTED REPORT FOR REPORT NO. 2025-U029129, ISSUE DATE APRIL 4, 2025.

*Piyapat S.*

(MRS PIYAPAT SUTTAMANUTWONG)  
LABORATORY SUPERVISOR



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No. 0063

### ANALYSIS REPORT

**CUSTOMER NAME** : KASEMKIJ COMPANY LIMITED (KANTARY HILLS HOTEL CHIANG MAI)  
**ADDRESS** : 44, 44 / 1-4 NIMMANHEMIN ROAD SUTHEP MUEANG CHIANG MAI CHIANG MAI 50200  
**CONTACT INFORMATION** : TEL : 0 2233 8989-98 e-mail : kj-qc@kasemkij.com  
**SAMPLING SOURCE** : WASTEWATER TREATMENT PLANT OF KANTARY HILLS HOTEL CHIANGMAI  
**SAMPLE TYPE** : WASTEWATER  
**SAMPLING DATE** : APRIL 21, 2025  
**SAMPLING TIME** : -  
**SAMPLING METHOD** : -  
**SAMPLING BY** : CUSTOMER  
**ANALYZED BY** : MISS NAPAPORN KHUNNOKKHUM

**RECEIVED DATE** : APRIL 23, 2025  
**ANALYTICAL DATE** : APRIL 23-30, 2025  
**ISSUE DATE** : MAY 6, 2025  
**REPORT NO.** : 2025-U038430  
**WORK NO.** : 2025-002961  
**ANALYSIS NO.** : T25AI586-0005 - T25AI586-0006

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT		REGULATORY STANDARD	DETECTION LIMIT	LIMIT OF QUANTITATION (LOQ)
			1 T25AI586-0005	2 T25AI586-0006			
pH <sup>a</sup>	-	ELECTROMETRIC METHOD (SM: PART 4500-H <sup>+</sup> B)	7.3 (25°C)	6.1 (25°C)	5.5-9.0	-	-
BIOCHEMICAL OXYGEN DEMAND <sup>a</sup>	mg/L	MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	162	3.7	≤ 30	-	2.0
TOTAL SUSPENDED SOLIDS <sup>a</sup>	mg/L	TOTAL SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: PART 2540 D)	227	< 5.0	≤ 40	-	5.0
TOTAL KJELDAHL NITROGEN <sup>b</sup>	mg/L	IN-HOUSE METHOD: UAE.TP.WAS.001 (KJELDAHL METHOD); SM: PART 4500-Norg C	104	10.4	≤ 35	15	5.0
OIL AND GREASE <sup>a</sup>	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: PART 5520 B)	8	< 3	≤ 20	-	3
<b>SAMPLE CONDITION</b>							
WATER'S COLOUR/TURBID			YELLOW/TURBID	YELLOW/TURBID			
SEDIMENT			BROWN	BROWN			

<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)

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

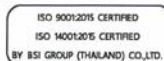
RESULT 1 : INFLUENT (BUILDING C)

RESULT 2 : EFFLUENT (BUILDING C)

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** : KASEMKI COMPANY LIMITED (KANTARY HILLS HOTEL CHIANG MAI)  
**ADDRESS** : 44, 44 / 1-4 NIMMANHEMIN ROAD SUTHEP MUEANG CHIANG MAI CHIANG MAI 50200  
**CONTACT INFORMATION** : TEL : 0 2233 8989-98 e-mail : kj-qc@kasemkij.com  
**SAMPLING SOURCE** : WASTEWATER TREATMENT PLANT OF KANTARY HILLS HOTEL CHIANGMAI  
**SAMPLE TYPE** : WASTEWATER  
**SAMPLING DATE** : MAY 19, 2025  
**SAMPLING TIME** : -  
**SAMPLING METHOD** : -  
**SAMPLING BY** : CUSTOMER  
**ANALYZED BY** : MISS NAPAPORN KHUNNOKKHUM  
**RECEIVED DATE** : MAY 21, 2025  
**ANALYTICAL DATE** : MAY 21-27, 2025  
**ISSUE DATE** : MAY 30, 2025  
**REPORT NO.** : 2025-U048676  
**WORK NO.** : 2025-003965  
**ANALYSIS NO.** : T25AK892-0005 - T25AK892-0006

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT		REGULATORY STANDARD	DETECTION LIMIT	LIMIT OF QUANTITATION (LOQ)
			1 T25AK892-0005	2 T25AK892-0006			
pH <sup>a</sup>	-	ELECTROMETRIC METHOD (SM: PART 4500-H <sup>+</sup> B)	7.2 (25°C)	7.0 (25°C)	5.5-9.0	-	-
BIOCHEMICAL OXYGEN DEMAND <sup>a</sup>	mg/L	MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	84.6	2.9	≤ 30	-	2.0
TOTAL SUSPENDED SOLIDS <sup>a</sup>	mg/L	TOTAL SUSPENDED SOLIDS DRIED FROM 103 TO 105 °C (SM: PART 2540 D)	266	9.8	≤ 40	-	5.0
TOTAL KJELDAHL NITROGEN <sup>b</sup>	mg/L	IN-HOUSE METHOD: UAE.TP.WAS.001 (KJELDAHL METHOD); SM: PART 4500-Norg C	64.4	11.6	≤ 35	1.5	5.0
OIL AND GREASE <sup>a</sup>	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: PART 5520 B)	11	< 3	≤ 20	-	3
<b>SAMPLE CONDITION</b> WATER'S COLOUR/TURBID SEDIMENT			YELLOW/TURBID BROWN	YELLOW/TURBID BROWN			

<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)

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

RESULT 1 : INFLUENT (BUILDING C)

RESULT 2 : EFFLUENT (BUILDING C)

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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TESTING  
No. 0063

**ANALYSIS REPORT**

**CUSTOMER NAME** : KASEMKIJ COMPANY LIMITED (KANTARY HILLS HOTEL CHIANG MAI)  
**ADDRESS** : 44, 44 / 1-4 NIMMANHEMIN ROAD SUTHEP MUEANG CHIANG MAI CHIANG MAI 50200  
**CONTACT INFORMATION** : TEL : 0 2233 8989-98 e-mail : kj-qc@kasemkij.com  
**SAMPLING SOURCE** : WASTEWATER TREATMENT PLANT OF KANTARY HILLS HOTEL CHIANGMAI  
**SAMPLE TYPE** : WASTEWATER **RECEIVED DATE** : JUNE 19, 2025  
**SAMPLING DATE** : JUNE 17, 2025 **ANALYTICAL DATE** : JUNE 19-27, 2025  
**SAMPLING TIME** : - **ISSUE DATE** : JUNE 30, 2025  
**SAMPLING METHOD** : - **REPORT NO.** : 2025-U059539  
**SAMPLING BY** : CUSTOMER **WORK NO.** : 2025-004782  
**ANALYZED BY** : MISS NAPAPORN KHUNNOKKHUM **ANALYSIS NO.** : T25AN473-0005 - T25AN473-0006

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT		REGULATORY STANDARD	DETECTION LIMIT	LIMIT OF QUANTITATION (LOQ)
			1 T25AN473-0005	2 T25AN473-0006			
pH <sup>a</sup>	-	ELECTROMETRIC METHOD (SM: PART 4500-H <sup>+</sup> B)	7.5 (25°C)	5.5 (25°C)	5.5-9.0	-	-
BIOCHEMICAL OXYGEN DEMAND <sup>a</sup>	mg/L	MEMBRANE ELECTRODE METHOD (SM: PART 5210 B AND PART 4500-O G)	127	8.6	≤ 30	-	2.0
TOTAL SUSPENDED SOLIDS <sup>a</sup>	mg/L	TOTAL SUSPENDED SOLIDS DRIED FROM 103 TO 105 °C (SM: PART 2540 D)	75.8	14.1	≤ 40	-	5.0
TOTAL KJELDAHL NITROGEN <sup>b</sup>	mg/L	IN-HOUSE METHOD: UAE.TP.WAS.001 (KJELDAHL METHOD); SM: PART 4500-Norg C	97.8	6.6	≤ 35	1.5	5.0
OIL AND GREASE <sup>a</sup>	mg/L	LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: PART 5520 B)	4	< 3	≤ 20	-	3
<b>SAMPLE CONDITION</b>							
WATER'S COLOUR/TURBID			YELLOW/TURBID	YELLOW/TURBID			
SEDIMENT			BROWN	BROWN			

<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)

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

RESULT 1 : INFLUENT (BUILDING C)

RESULT 2 : EFFLUENT (BUILDING C)

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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