

ผลวิเคราะห์คุณภาพน้ำทั้งโครงการ KANTARY BAY RAYONG อาคาร 1



United Analyst and Engineering Consultant Co., Ltd.

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NSC-TISI-TIS 17025
TESTING 0207



TESTING
No. 0063

ANALYSIS REPORT

CUSTOMER NAME : KASEMKIJ COMPANY LIMITED (KANTARY BAY HOTEL RAYONG)
ADDRESS : 50, 50/2 RIEPJAIFANG ROAD PAK NAM MUEANG RAYONG RAYONG 21000
CONTACT INFORMATION : TEL : 0 2233 8989-98 e-mail : kj-qc@kasemkij.com
SAMPLING SOURCE : WASTEWATER TREATMENT PLANT OF KANTARY BAY, RAYONG
SAMPLE TYPE : WASTEWATER
SAMPLING DATE : JANUARY 11, 2023
SAMPLING TIME : -
SAMPLING METHOD : -
SAMPLING BY : CUSTOMER
ANALYZED BY : MISS AMONRAT PUTTALEE

RECEIVED DATE : JANUARY 12, 2023
ANALYTICAL DATE : JANUARY 12-19, 2023
REPORT NO. : 2023-U005234
WORK NO. : 2022-010741
ANALYSIS NO. : T23AA527-0001 - T23AA527-0002

| PARAMETER | UNIT | METHOD OF ANALYSIS | RESULT | | REGULATORY STANDARD | DETECTION LIMIT |
|-----------------------------|------------|--|--------------------|--------------------|---------------------|-----------------|
| | | | 1 T23AA527-0001 | 2 T23AA527-0002 | | |
| pH * | - | ELECTROMETRIC METHOD (SM. 4500-H ⁺ B) | 6.4 (25°C) | 7.4 (25°C) | 5-9 | - |
| BIOCHEMICAL OXYGEN DEMAND * | mg/L | AZIDE MODIFICATION METHOD (SM. 4500-O ₂ C AND 5210 B) | 812 | ND | ≤ 30 | 2.0 |
| SUSPENDED SOLIDS * | mg/L | SUSPENDED SOLIDS DRIED AT 103-105 °C (SM. 2540 D) | 1,584 | ND | ≤ 40 | 5.0 |
| TOTAL KJELDAHL NITROGEN * | mg/L | IN-HOUSE METHOD: UAE.TP.WAS.001 (KJELDAHL METHOD); SM. 4500-Norg C | 28.7 | 7.3 | ≤ 35 | 15 |
| FAT, OIL AND GREASE * | mg/L | LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM. 5520 B) | 213 | ND | ≤ 20 | 3 |
| MICROBIOLOGY | | | | | | |
| FAECAL COLIFORM BACTERIA * | MPN/100 mL | MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM. 9221 E) | >160,000 | < 18 | - | 18 |
| SAMPLE CONDITION | | | | | | |
| WATER'S COLOUR/TURBID | | | YELLOW/TURBID | YELLOW/CLEAR | | |
| SEDIMENT | | | BROWN | BROWN | | |

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

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

* : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

IN-HOUSE : BASED ON STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23RD EDITION, 2017.

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23RD EDITION, 2017.

RESULT 1 : INFLUENT (RYG 1)

RESULT 2 : EFFLUENT (RYG 1)

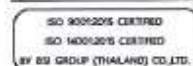
REGULATORY STANDARD : RANGE OR MAXIMUM PERMITTED VALUE FOR BUILDING EFFLUENT STANDARDS CLASS B, NOTIFICATION OF THE MINISTRY OF RESOURCES AND ENVIRONMENT, PUBLISHED IN THE ROYAL GOVERNMENT GAZETTE VOL. 122, PART 125 D, DATED DECEMBER 29, 2005.

ND : NON-DETECTABLE

Benjawan V.

(MISS BENJAWAN VIRIYOTHAI)
LABORATORY SUPERVISOR

JANUARY 24, 2023



• PROHIBITED TO PARTIALLY COPY ANALYSIS REPORT PRIOR TO WRITTEN PERMISSION BY THE LABORATORY.
 • THIS ANALYSIS REPORT APPROVES ONLY FOR SUBMITTED SAMPLES.

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ANALYSIS REPORT

CUSTOMER NAME : KASEMKIJ COMPANY LIMITED (KANTARY BAY HOTEL RAYONG)
ADDRESS : 50, 50/2 RIEPIAIFANG ROAD PAK NAM MUEANG RAYONG RAYONG 21000
CONTACT INFORMATION : TEL : 0 2233 8989-98 e-mail : kj-qc@kasemkij.com
SAMPLING SOURCE : WASTEWATER TREATMENT PLANT OF KANTARY BAY, RAYONG
SAMPLE TYPE : WASTEWATER
SAMPLING DATE : FEBRUARY 8, 2023
SAMPLING TIME : -
SAMPLING METHOD : -
SAMPLING BY : CUSTOMER
ANALYZED BY : MISS KANNIKAR SUMLEETHA

RECEIVED DATE : FEBRUARY 9, 2023
ANALYTICAL DATE : FEBRUARY 9-16, 2023
REPORT NO. : 2023-U012237
WORK NO. : 2023-000425
ANALYSIS NO. : T23AC236-0001 - T23AC236-0002

| PARAMETER | UNIT | METHOD OF ANALYSIS | RESULT | | REGULATORY STANDARD | DETECTION LIMIT |
|--|------------|--|---------------------|--------------------|---------------------|-----------------|
| | | | 1 T23AC236-0001 | 2 T23AC236-0002 | | |
| pH ^a | - | ELECTROMETRIC METHOD (SM: 4500-H ⁺ B) | 7.0 (25°C) | 6.8 (25°C) | 5-9 | - |
| BIOCHEMICAL OXYGEN DEMAND ^c | mg/L | AZIDE MODIFICATION METHOD (SM: 4500-O ₂ C AND 5210 B) | 1,832 | 2.6 | ≤ 30 | 2.0 |
| SUSPENDED SOLIDS ^c | mg/L | SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: 2540 D) | 1,597 | ND | ≤ 40 | 5.0 |
| TOTAL KJELDAHL NITROGEN ^c | mg/L | IN-HOUSE METHOD: UAE.TP.WAS.001 (KJELDAHL METHOD); SM: 4500-Norg C | 102 | ND | ≤ 35 | 1.5 |
| FAT, OIL AND GREASE ^c | mg/L | LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: 5520 B) | 235 | ND | ≤ 20 | 3 |
| MICROBIOLOGY | | | | | | |
| FAECAL COLIFORM BACTERIA ^b | MPN/100 mL | MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: 9221 E) | >160,000 | 33 | - | 1.8 |
| SAMPLE CONDITION | | | | | | |
| WATER'S COLOUR/TURBID SEDIMENT | | | YELLOW/TURBID BROWN | 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 STILL NOT ACCREDITED

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

RESULT 1 : INFLUENT (RYG 1)

RESULT 2 : EFFLUENT (RYG 1)

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. 122, PART 125 D, DATED DECEMBER 29, 2005.

ND : NON-DETECTABLE

Piyapat S.

(MRS PIYAPAT SUTTAMANUTWONG)
LABORATORY SUPERVISOR

FEBRUARY 20, 2023



ANALYSIS REPORT

CUSTOMER NAME : KASEMIJ COMPANY LIMITED (KANTARY BAY HOTEL RAYONG)
ADDRESS : 50, 50/2 RIEPJAIFANG ROAD PAK NAM MUEANG RAYONG RAYONG 21000
CONTACT INFORMATION : TEL : 0 2233 8989-98 e-mail : kj-qc@kasemij.com
SAMPLING SOURCE : WASTEWATER TREATMENT PLANT OF KANTARY BAY, RAYONG
SAMPLE TYPE : WASTEWATER
SAMPLING DATE : MARCH 8, 2023
SAMPLING TIME : -
SAMPLING METHOD : -
SAMPLING BY : CUSTOMER
ANALYZED BY : MISS KANNIKAR SUMLEETHA

RECEIVED DATE : MARCH 9, 2023
ANALYTICAL DATE : MARCH 9-17, 2023
REPORT NO. : 2023-U019743
WORK NO. : 2023-001318
ANALYSIS NO. : T23AE175-0001 - T23AE175-DC002

| PARAMETER | UNIT | METHOD OF ANALYSIS | RESULT | | REGULATORY STANDARD | DEFECTION LIMIT |
|---|------------|---|---------------------|--------------------|---------------------|-----------------|
| | | | 1 T23AE175-0001 | 2 T23AE175-0002 | | |
| pH ^a | - | ELECTROMETRIC METHOD (SM: PART 4500-H+ B) | 9.3 (25°C) | 7.8 (25°C) | 5-9 | - |
| BIO-CHEMICAL OXYGEN DEMAND ^c | mg/L | AZIDE MODIFICATION METHOD (SM: PART 4500-O C AND PART 5210 B) | 205 | 10.7 | ≤ 30 | 2.0 |
| SUSPENDED SOLIDS ^c | mg/L | SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: PART 2540 D) | 138 | ND | ≤ 40 | 5.0 |
| TOTAL KJELDAHL NITROGEN ^b | mg/L | IN-HOUSE METHOD: UAE TP.WAS.001 (KJELDAHL METHOD); SM: PART 4500-Norg C | 16.3 | < LOQ | ≤ 35 | 15 |
| FAT, OIL AND GREASE ^c | mg/L | LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: PART 5620 B) | 48 | ND | ≤ 20 | 3 |
| MICROBIOLOGY | | | | | | |
| FAECAL COLIFORM BACTERIA ^b | MPN/100 mL | MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 E) | >150,000 | < 1.8 | - | 1.8 |
| SAMPLE CONDITION | | | | | | |
| WATER'S COLOUR/TURBID SEDIMENT | | | YELLOW/TURBID BROWN | 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 STILL NOT ACCREDITED

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

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

RESULT 1 : INFLUENT (RYG 1)

RESULT 2 : EFFLUENT (RYG 1)

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 122, PART 125 D, DATED DECEMBER 29, 2005.

ND : NON-DETECTABLE

< LOQ : < LIMIT OF QUANTITATION (TOTAL KJELDAHL NITROGEN ≥ 15 AND < 5.0 mg/L)

Piyapat S.

(MRS PIYAPAT SUTTAMANUTWONG)
LABORATORY SUPERVISOR

MARCH 21, 2023



ANALYSIS REPORT

CUSTOMER NAME : KASEMKI COMPANY LIMITED (KANTARY BAY HOTEL RAYONG)
ADDRESS : 50, 50/2 RUEPAIFANG ROAD PAK NAM MUEANG RAYONG RAYONG 21000
CONTACT INFORMATION : TEL : 0 2233 8989-98 e-mail : kj-qc@kasemki.com
SAMPLING SOURCE : WASTEWATER TREATMENT PLANT OF KANTARY BAY, RAYONG
SAMPLE TYPE : WASTEWATER
SAMPLING DATE : APRIL 19, 2023
SAMPLING TIME : -
SAMPLING METHOD : -
SAMPLING BY : CUSTOMER
ANALYZED BY : MISS ITSARIYAPORN BUATIB
RECEIVED DATE : APRIL 20, 2023
ANALYTICAL DATE : APRIL 20-28, 2023
REPORT NO. : 2023-U032018
WORK NO. : 2023-002249
ANALYSIS NO. : T23AG990-0001 - T23AG990-0002

| PARAMETER | UNIT | METHOD OF ANALYSIS | RESULT | | REGULATORY STANDARD | DETECTION LIMIT |
|--|------------|---|--------------------|--------------------|---------------------|-----------------|
| | | | 1 T23AG990-0001 | 2 T23AG990-0002 | | |
| pH ^a | - | ELECTROMETRIC METHOD (SM: PART 4500-H ⁺ B) | 7.2 (25°C) | 7.6 (25°C) | 5-9 | - |
| BIOCHEMICAL OXYGEN DEMAND ^c | mg/L | AZIDE MODIFICATION METHOD (SM: PART 5210 B AND PART 4500-O C) | 771 | ND | ≤ 30 | 2.0 |
| SUSPENDED SOLIDS ^b | mg/L | SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: PART 2540 D) | 1,141 | 10.6 | ≤ 40 | 5.0 |
| TOTAL KJELDAHL NITROGEN ^b | mg/L | IN-HOUSE METHOD: UAE.TP.WAS.001 (KJELDAHL METHOD); SM: PART 4500-Norg C | 106 | < LOQ | ≤ 35 | 1.5 |
| FAT, OIL AND GREASE ^c | mg/L | LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: PART 5520 B) | 64 | ND | ≤ 20 | 3 |
| MICROBIOLOGY | | | | | | |
| FAECAL COLIFORM BACTERIA ^b | MPN/100 mL | MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 E) | >160,000 | 23 | - | 18 |
| SAMPLE CONDITION | | | | | | |
| WATER'S COLOUR/TURBID | | | BROWN/TURBID | YELLOW/CLEAR | | |
| 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)

^c : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

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

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

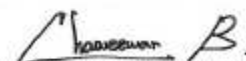
RESULT 1 : INFLUENT (RYG 1)

RESULT 2 : EFFLUENT (RYG 1)

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. 122, PART 125 D, DATED DECEMBER 29, 2005.

ND : NON-DETECTABLE

< LOQ : < LIMIT OF QUANTITATION (TOTAL KJELDAHL NITROGEN ≥ 1.5 AND < 5.0 mg/L).



(MISS CHAWEEVAN BOONLA)
LABORATORY SUPERVISOR

MAY 2, 2023



ANALYSIS REPORT

CUSTOMER NAME : KASEMKIJ COMPANY LIMITED (KANTARY BAY HOTEL RAYONG)
ADDRESS : 50, 50/2 RIEPJAIFANG ROAD PAK NAM MUEANG RAYONG RAYONG 21000
CONTACT INFORMATION : TEL : 0 2233 8989-98 e-mail : kj-qc@kasemkij.com
SAMPLING SOURCE : WASTEWATER TREATMENT PLANT OF KANTARY BAY, RAYONG
SAMPLE TYPE : WASTEWATER
SAMPLING DATE : MAY 10, 2023
SAMPLING TIME : -
SAMPLING METHOD : -
SAMPLING BY : CUSTOMER
ANALYZED BY : MISS ITSARIYAPORN BUATIB
RECEIVED DATE : MAY 12, 2023
ANALYTICAL DATE : MAY 12-22, 2023
REPORT NO. : 2023-U038782
WORK NO. : 2023-003269
ANALYSIS NO. : T23A1466-0001 - T23A1466-0002

| PARAMETER | UNIT | METHOD OF ANALYSIS | RESULT | | REGULATORY STANDARD | DETECTION LIMIT |
|--|------------|---|--------------------|--------------------|---------------------|-----------------|
| | | | 1 T23A1466-0001 | 2 T23A1466-0002 | | |
| pH ^a | - | ELECTROMETRIC METHOD (SM: PART 4500-H ⁺ B) | 8.9 (25°C) | 6.9 (25°C) | 5-9 | - |
| BIOCHEMICAL OXYGEN DEMAND ^c | mg/L | AZIDE MODIFICATION METHOD (SM: PART 5210 B AND PART 4500-O C) | 335 | 6.1 | ≤ 30 | 2.0 |
| SUSPENDED SOLIDS ^c | mg/L | SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: PART 2540 D) | 266 | ND | ≤ 40 | 5.0 |
| TOTAL KJELDAHL NITROGEN ^b | mg/L | IN-HOUSE METHOD: UAE.TP.WAS.001 (KJELDAHL METHOD); SM: PART 4500-Norg C | 15.6 | < LOQ | ≤ 35 | 1.5 |
| FAT, OIL AND GREASE ^c | mg/L | LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: PART 5520 B) | 60 | ND | ≤ 20 | 3 |
| MICROBIOLOGY | | | | | | |
| FAECAL COLIFORM BACTERIA ^b | MPN/100 mL | MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 E) | >160,000 | 170 | - | 18 |
| SAMPLE CONDITION | | | | | | |
| WATER'S COLOUR/TURBID | | | YELLOW/TURBID | YELLOW/CLEAR | | |
| 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)

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

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

RESULT 1 : INFLUENT (RYG 1)

RESULT 2 : EFFLUENT (RYG 1)

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 122 PART 125 D, DATED DECEMBER 29, 2005.

ND : NON-DETECTABLE

< LOQ : < LIMIT OF QUANTITATION (TOTAL KJELDAHL NITROGEN ≥ 1.5 AND < 5.0 mg/L)

Chaweevan B.

(MISS CHAWEEVAN BOONLA)
LABORATORY SUPERVISOR

MAY 24, 2023



ANALYSIS REPORT

CUSTOMER NAME : KASEMKIJ COMPANY LIMITED (KANTARY BAY HOTEL RAYONG)
ADDRESS : 50, 50/2 RIEPJAIFANG ROAD PAK NAM MUEANG RAYONG RAYONG 21000
CONTACT INFORMATION : TEL : 0 2233 8989-98 e-mail : kj-qc@kasemkij.com
SAMPLE SOURCE : WASTEWATER TREATMENT PLANT OF KANTARY BAY, RAYONG
SAMPLE TYPE : WASTEWATER
SAMPLING DATE : JUNE 7, 2023
SAMPLING TIME : -
SAMPLING METHOD : -
SAMPLING BY : CUSTOMER
ANALYZED BY : MISS ITSARIYAPORN BUATIB
RECEIVED DATE : JUNE 8, 2023
ANALYTICAL DATE : JUNE 8-19, 2023
REPORT NO. : 2023-UD49853
WORK NO. : 2023-004150
ANALYSIS NO. : T23AK710-0001 - T23AK710-0002

| PARAMETER | UNIT | METHOD OF ANALYSIS | RESULT | | REGULATORY STANDARD | DETECTION LIMIT |
|--|------------|---|-----------------------|-----------------------|---------------------|-----------------|
| | | | 1 T23AK710-0001 | 2 T23AK710-0002 | | |
| pH ^a | - | ELECTROMETRIC METHOD (SM. PART 4500-H ⁺ B) | 7.0 (25°C) | 7.1 (25°C) | 5-9 | - |
| BIOCHEMICAL OXYGEN DEMAND ^c | mg/L | AZIDE MODIFICATION METHOD (SM. PART 5210 B AND PART 4500-O C) | 139 | ND | ≤ 30 | 2.0 |
| SUSPENDED SOLIDS ^c | mg/L | SUSPENDED SOLIDS DRIED AT 103-105 °C (SM. PART 2540 D) | 211 | ND | ≤ 40 | 5.0 |
| TOTAL KJELDAHL NITROGEN ^b | mg/L | IN-HOUSE METHOD: UAE TP WAS.001 (KJELDAHL METHOD); SM. PART 4500-Norg C | 27.3 | 9.6 | ≤ 35 | 15 |
| FAT, OIL AND GREASE ^c | mg/L | LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM. PART 5520 B) | 31 | ND | ≤ 20 | 3 |
| MICROBIOLOGY | | | | | | |
| FAECAL COLIFORM BACTERIA ^b | MPN/100 mL | MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM. PART 9221 E) | >160,000 | 130 | - | 18 |
| SAMPLE CONDITION | | | | | | |
| WATER'S COLOUR/TURBID SEDIMENT | | | BROWN/TURBID BROWN | YELLOW/CLEAR BROWN | | |

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SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23RD EDITION, 2017.

RESULT 1 : INFLUENT (RYG 1)

RESULT 2 : EFFLUENT (RYG 1)

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. 122, PART 125 D, DATED DECEMBER 29, 2005.

ND : NON-DETECTABLE



(MISS CHAWEEVAN BOONLA)
LABORATORY SUPERVISOR

JUNE 23, 2023



ผลวิเคราะห์คุณภาพน้ำทั้งโครงการ KANTARY BAY RAYONG อาคาร 2



United Analyst and Engineering Consultant Co., Ltd.
3 Soi Udomsuk 41, Sukhumvit Road, Bangchak, Phrakhanong, Bangkok 10260
Tel. 0 2763 2828 Fax 0 2763 2800 www.uaec consultant.com E-mail: uae@uaec consultant.com



NSC-TISI-TIS 17025
TESTING 0207



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No. 0063

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ADDRESS : 50, 50/2 RIEPJAIFANG ROAD PAK NAM MUEANG RAYONG RAYONG 21000
CONTACT INFORMATION : TEL : 0 2233 8989-98 e-mail : kj-qc@kasemkij.com
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SAMPLE TYPE : WASTEWATER
SAMPLING DATE : JANUARY 11, 2023
SAMPLING TIME : -
SAMPLING METHOD : -
SAMPLING BY : CUSTOMER
ANALYZED BY : MISS AMONRAT PUTTALEE

RECEIVED DATE : JANUARY 12, 2023
ANALYTICAL DATE : JANUARY 12-19, 2023
REPORT NO. : 2023-U005235
WORK NO. : 2022-010741
ANALYSIS NO. : T23AA527-0003 - T23AA527-0004

| PARAMETER | UNIT | METHOD OF ANALYSIS | RESULT | | REGULATORY STANDARD | DETECTION LIMIT |
|--|------------|--|--------------------|--------------------|---------------------|-----------------|
| | | | 1 T23AA527-0003 | 2 T23AA527-0004 | | |
| pH ^a | - | ELECTROMETRIC METHOD (SM: 4500-H ⁺ B) | 6.3 (25°C) | 6.4 (25°C) | 5-9 | - |
| BIOCHEMICAL OXYGEN DEMAND ^b | mg/L | AZIDE MODIFICATION METHOD (SM: 4500-O ₂ C AND 5210 B) | 14.5 | 8.0 | ≤ 30 | 2.0 |
| SUSPENDED SOLIDS ^a | mg/L | SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: 2540 D) | 42.1 | 14.7 | ≤ 40 | 5.0 |
| TOTAL KJELDAHL NITROGEN ^b | mg/L | IN-HOUSE METHOD: UAE.TP.WAS.001 (KJELDAHL METHOD); SM: 4500-Norg C | 11.3 | < LOQ | ≤ 35 | 1.5 |
| FAT, OIL AND GREASE ^a | mg/L | LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: 5520 B) | ND | ND | ≤ 20 | 3 |
| MICROBIOLOGY | | | | | | |
| FAECAL COLIFORM BACTERIA ^b | MPN/100 mL | MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: 9221 E) | >160,000 | 240 | - | 18 |
| SAMPLE CONDITION | | | | | | |
| WATER'S COLOUR/TURBID | | | YELLOW/TURBID | YELLOW/CLEAR | | |
| 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)

^c : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

IN-HOUSE : BASED ON STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23RD EDITION, 2017.

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23RD EDITION, 2017.

RESULT 1 : INFLUENT (RYG 2)

RESULT 2 : EFFLUENT (RYG 2)

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. 122, PART 125 D, DATED DECEMBER 29, 2005.

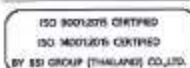
ND : NON-DETECTABLE

< LOQ : < LIMIT OF QUANTITATION (TOTAL KJELDAHL NITROGEN ≥ 1.5 AND < 5.0 mg/L).

Benjawan V.

(MISS BENJAWAN VIRIYOTHAJ)
LABORATORY SUPERVISOR

JANUARY 24, 2023



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**United Analyst and Engineering Consultant Co., Ltd.**

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

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

NSC -TISI- TIS 17025
TESTING 0207TESTING
No. 0063**ANALYSIS REPORT**

CUSTOMER NAME : KASEMKI COMPANY LIMITED (KANTARY BAY HOTEL RAYONG)
ADDRESS : 50, 50/2 RIEPJAIFANG ROAD PAK NAM MUEANG RAYONG RAYONG 21000
CONTACT INFORMATION : TEL : 0 2233 8989-98 e-mail : kj-qc@kasemki.com
SAMPLING SOURCE : WASTEWATER TREATMENT PLANT OF KANTARY BAY, RAYONG
SAMPLE TYPE : WASTEWATER
SAMPLING DATE : FEBRUARY 8, 2023
SAMPLING TIME : -
SAMPLING METHOD : -
SAMPLING BY : CUSTOMER
ANALYZED BY : MISS KANNTIKAR SUMLEETHA

RECEIVED DATE : FEBRUARY 9, 2023
ANALYTICAL DATE : FEBRUARY 9-16, 2023
REPORT NO. : 2023-U012238
WORK NO. : 2023-000425
ANALYSIS NO. : T23AC236-0003 - T23AC236-0004

| PARAMETER | UNIT | METHOD OF ANALYSIS | RESULT | | REGULATORY STANDARD | DETECTION LIMIT |
|--|------------|--|--------------------|--------------------|---------------------|-----------------|
| | | | 1 T23AC236-0003 | 2 T23AC236-0004 | | |
| pH ^a | - | ELECTROMETRIC METHOD (SM: 4500-H ⁺ B) | 6.1 (25°C) | 5.8 (25°C) | 5-9 | - |
| BIOCHEMICAL OXYGEN DEMAND ^c | mg/L | AZIDE MODIFICATION METHOD (SM: 4500-O ₂ C AND 5210 B) | 61.8 | 6.0 | ≤ 30 | 2.0 |
| SUSPENDED SOLIDS ^a | mg/L | SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: 2540 D) | 58.0 | 13.2 | ≤ 40 | 5.0 |
| TOTAL KJELDAHL NITROGEN ^b | mg/L | IN-HOUSE METHOD; UAE.TP.WAS.001 (KJELDAHL METHOD); SM: 4500-Norg C | 7.9 | 6.2 | ≤ 35 | 1.5 |
| FAT, OIL AND GREASE ^c | mg/L | LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: 5520 B) | ND | ND | ≤ 20 | 3 |
| MICROBIOLOGY | | | | | | |
| FAECAL COLIFORM BACTERIA ^b | MPN/100 mL | MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: 9221 E) | >160,000 | < 18 | - | 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)^c : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITEDIN-HOUSE : BASED ON STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23RD EDITION, 2017.SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23RD EDITION, 2017.

RESULT 1 : INFLUENT (RYG 2)

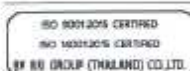
RESULT 2 : EFFLUENT (RYG 2)

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. 122, PART 125 D, DATED DECEMBER 29, 2005.

ND : NON-DETECTABLE.

Piyapat S.(MRS PIYAPAT SUTTAMANUTWONG)
LABORATORY SUPERVISOR

FEBRUARY 20, 2023



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ANALYSIS REPORT

CUSTOMER NAME : KASEMKIJ COMPANY LIMITED (KANTARY BAY HOTEL RAYONG)
ADDRESS : 50, 50/2 R.IEPJAFANG ROAD PAK NAM MUEANG RAYONG RAYONG 21000
CONTACT INFORMATION : TEL : 0 22 33 8989-98 e-mail : kj-qc@kasemkij.com
SAMPLING SOURCE : WASTEWATER TREATMENT PLANT OF KANTARY BAY, RAYONG
SAMPLE TYPE : WASTEWATER
SAMPLING DATE : MARCH 8, 2023
SAMPLING TIME : -
SAMPLING METHOD : -
SAMPLING BY : CUSTOMER
ANALYZED BY : MISS KANINIKAR SUMLEETHA
RECEIVED DATE : MARCH 9, 2023
ANALYTICAL DATE : MARCH 9-17, 2023
REPORT NO. : 2023-U019745
WORK NO. : 2023-001318
ANALYSIS NO. : T23AE175-0003 - T23AE175-0004

| PARAMETER | UNIT | METHOD OF ANALYSIS | RESULT | | REGULATORY STANDARD | DETECTION LIMIT |
|--|------------|---|--------------------|--------------------|---------------------|-----------------|
| | | | 1 T23AE175-0003 | 2 T23AE175-0004 | | |
| pH ^a | - | ELECTROMETRIC METHOD (SM. PART 4500 -H ⁺ B) | 6.4 (25°C) | 7.2 (25°C) | 5-9 | - |
| BIOCHEMICAL OXYGEN DEMAND ^c | mg/L | AZIDE MODIFICATION METHOD (SM. PART 4500-O C AND PART 5210 B) | 45.0 | 10.3 | ≤ 30 | 2.0 |
| SUSPENDED SOLIDS ^c | mg/L | SUSPENDED SOLIDS DRIED AT 103-105 °C (SM. PART 2540 D) | 28.7 | ND | ≤ 40 | 5.0 |
| TOTAL KJELDAHL NITROGEN ^b | mg/L | IN-HOUSE METHOD: UAE.TP.WAS.001 (KJELDAHL METHOD); SM. PART 4500-Norg C | 17.7 | 11.5 | ≤ 35 | 1.5 |
| FAT, OIL AND GREASE ^c | mg/L | LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM. PART 5520 B) | ND | ND | ≤ 20 | 3 |
| MICROBIOLOGY | | | | | | |
| FAECAL COLIFORM BACTERIA ^b | MPN/100 mL | MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM. PART 9221 E) | >160,000 | 700 | - | 1.8 |
| SAMPLE CONDITION | | | | | | |
| WATER'S COLOUR/TURBID | | | YELLOW/TURBID | YELLOW/CLEAR | | |
| 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)

^c : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

IN-HOUSE : BASED ON STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23RD EDITION, 2017.

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23RD EDITION, 2017.

RESULT 1 : INFLUENT (RYG 2)

RESULT 2 : EFFLUENT (RYG 2)

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. 122, PART 125 D, DATED DECEMBER 29, 2005.

ND : NON-DETECTABLE

Piyapat S.

(MRS PIYAPAT SUTTAMANUTWONG)
LABORATORY SUPERVISOR

MARCH 21, 2023

ISO 9001:2015 CERTIFIED
ISO 14001:2015 CERTIFIED
BY ASI GROUP (THAILAND) CO., LTD.

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ANALYSIS REPORT

CUSTOMER NAME : KASEMKI COMPANY LIMITED (KANTARY BAY HOTEL RAYONG)
ADDRESS : 50, 50/2 RIEPJAFANG ROAD PAK NAM MUEANG RAYONG RAYONG 21000
CONTACT INFORMATION : TEL : 0 2233 8989-98 e-mail : kj-qc@kasemki.com
SAMPLING SOURCE : WASTEWATER TREATMENT PLANT OF KANTARY BAY, RAYONG
SAMPLE TYPE : WASTEWATER
SAMPLING DATE : APRIL 19, 2023
SAMPLING TIME : -
SAMPLING METHOD : -
SAMPLING BY : CUSTOMER
ANALYZED BY : MISS ITSARIYAPORN BUATIB
RECEIVED DATE : APRIL 20, 2023
ANALYTICAL DATE : APRIL 20-28, 2023
REPORT NO. : 2023-U032020
WORK NO. : 2023-002249
ANALYSIS NO. : T23AG990-0003 - T23AG990-0004

| PARAMETER | UNIT | METHOD OF ANALYSIS | RESULT | | REGULATORY STANDARD | DETECTION LIMIT |
|--|------------|---|------------------------|-----------------------|---------------------|-----------------|
| | | | 1 T23AG990-0003 | 2 T23AG990-0004 | | |
| pH ^a | - | ELECTROMETRIC METHOD (SM. PART 4500-H ⁺ B) | 6.6 (25°C) | 6.5 (25°C) | 5-9 | - |
| BIOCHEMICAL OXYGEN DEMAND ^c | mg/L | AZIDE MODIFICATION METHOD (SM. PART 5210 B AND PART 4500-O C) | 27.2 | 5.6 | ≤ 30 | 2.0 |
| SUSPENDED SOLIDS ^a | mg/L | SUSPENDED SOLIDS DRIED AT 103-105 °C (SM. PART 2540 D) | 46.8 | 16.4 | ≤ 40 | 5.0 |
| TOTAL KJELDAHL NITROGEN ^b | mg/L | IN-HOUSE METHOD: UAE TP WAS.001 (KJELDAHL METHOD); SM. PART 4500-Norg C | 20.6 | 6.9 | ≤ 35 | 1.5 |
| FAT, OIL, AND GREASE ^c | mg/L | LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM. PART 5520 B) | ND | ND | ≤ 20 | 3 |
| MICROBIOLOGY | | | | | | |
| FAECAL COLIFORM BACTERIA ^b | MPN/100 mL | MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM. PART 9221 E) | >160,000 | 2.0 | - | 1.8 |
| SAMPLE CONDITION | | | | | | |
| WATER'S COLOUR/TURBID SEDIMENT | | | YELLOW/TURBID BROWN | 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 STILL NOT ACCREDITED

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

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

RESULT 1 : INFLUENT (RYG 2)

RESULT 2 : EFFLUENT (RYG 2)

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. 122, PART 125 D, DATED DECEMBER 29, 2005.

ND : NON-DETECTABLE.

Chaweevan B.

(MISS CHAWEEWAN BOONLA)
LABORATORY SUPERVISOR

MAY 2, 2023



ANALYSIS REPORT

CUSTOMER NAME : KASEMKI COMPANY LIMITED (KANTARY BAY HOTEL RAYONG)
ADDRESS : 50, 50/2 RIEPJAIFANG ROAD PAK NAM MUEANG RAYONG RAYONG 21000
CONTACT INFORMATION : TEL : 0 2233 8989-98 e-mail : kj-qc@kasemki.com
SAMPLING SOURCE : WASTEWATER TREATMENT PLANT OF KANTARY BAY, RAYONG
SAMPLE TYPE : WASTEWATER
SAMPLING DATE : MAY 10, 2023
SAMPLING TIME : -
SAMPLING METHOD : -
SAMPLING BY : CUSTOMER
ANALYZED BY : MISS ITSARIYAPORN BUATIB
RECEIVED DATE : MAY 12, 2023
ANALYTICAL DATE : MAY 12-22, 2023
REPORT NO. : 2023-U038784
WORK NO. : 2023-003269
ANALYSIS NO. : T23A1466-0003 - T23A1466-0004

| PARAMETER | UNIT | METHOD OF ANALYSIS | RESULT | | REGULATORY STANDARD | DETECTION LIMIT |
|--|------------|---|--------------------|--------------------|---------------------|-----------------|
| | | | 1 T23A1466-0003 | 2 T23A1466-0004 | | |
| pH ^a | - | ELECTROMETRIC METHOD (SM: PART 4500-H ⁺ B) | 8.2 (25°C) | 6.6 (25°C) | 5-9 | - |
| BIOCHEMICAL OXYGEN DEMAND ^c | mg/L | AZIDE MODIFICATION METHOD (SM: PART 5210 B AND PART 4500-O C) | 25.2 | 3.2 | ≤ 30 | 2.0 |
| SUSPENDED SOLIDS ^a | mg/L | SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: PART 2540 D) | 47.5 | 8.6 | ≤ 40 | 5.0 |
| TOTAL KJELDAHL NITROGEN ^b | mg/L | IN-HOUSE METHOD: UAE TP WAS 001 (KJELDAHL METHOD); SM: PART 4500-Norg C | 5.7 | 5.1 | ≤ 35 | 1.5 |
| FAT, OIL AND GREASE ^c | mg/L | LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: PART 5520 B) | ND | ND | ≤ 20 | 3 |
| MICROBIOLOGY | | | | | | |
| FAECAL COLIFORM BACTERIA ^b | MPN/100 mL | MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 E) | > 90,000 | < 18 | - | 18 |
| SAMPLE CONDITION | | | | | | |
| WATER'S COLOUR/TURBID | | | YELLOW/TURBID | YELLOW/CLEAR | | |
| 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)

^c : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

IN-HOUSE : BASED ON STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23RD EDITION, 2017.

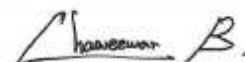
SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23RD EDITION, 2017.

RESULT 1 : INFLUENT (RYG 2)

RESULT 2 : EFFLUENT (RYG 2)

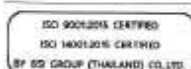
REGULATORY STANDARD : RANGE OR MAXIMUM PERMITTED VALUE FOR BUILDING EFFLUENT STANDARDS CLASS B, NOTIFICATION OF THE MINISTRY OF RESOURCES AND ENVIRONMENT, PUBLISHED IN THE ROYAL GOVERNMENT GAZETTE, VOL. 122, PART 125 D, DATED DECEMBER 29, 2005.

ND : NON-DETECTABLE



(MISS CHAWEEVAN BOONLA)
LABORATORY SUPERVISOR

MAY 24, 2023



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ANALYSIS REPORT

CUSTOMER NAME : KASEMKI COMPANY LIMITED (KANTARY BAY HOTEL RAYONG)
ADDRESS : 50, 50/2 RIEPJAIFANG ROAD PAK NAM MUEANG RAYONG RAYONG 21000
CONTACT INFORMATION : TEL : 0 2233 8989-98 e-mail : kj-qc@kasemkij.com
SAMPLING SOURCE : WASTEWATER TREATMENT PLANT OF KANTARY BAY, RAYONG
SAMPLE TYPE : WASTEWATER
SAMPLING DATE : JUNE 7, 2023
SAMPLING TIME : -
SAMPLING METHOD : -
SAMPLING BY : CUSTOMER
ANALYZED BY : MISS ITSARIYAPORN BUATIB
RECEIVED DATE : JUNE 8, 2023
ANALYTICAL DATE : JUNE 8-19, 2023
REPORT NO. : 2023-U049854
WORK NO. : 2023-004150
ANALYSIS NO. : T23AK710-0003 - T23AK710-0004

| PARAMETER | UNIT | METHOD OF ANALYSIS | RESULT | | REGULATORY STANDARD | DETECTION LIMIT |
|--|------------|---|---------------------|---------------------|---------------------|-----------------|
| | | | 1 T23AK710-0003 | 2 T23AK710-0004 | | |
| pH ^a | - | ELECTROMETRIC METHOD (SM: PART 4500-44 ^b B) | 6.7 (25°C) | 6.2 (25°C) | 5-9 | - |
| BIOCHEMICAL OXYGEN DEMAND ^c | mg/L | AZIDE MODIFICATION METHOD (SM: PART 5210 B AND PART 4500-O C) | 23.6 | 8.8 | ≤ 30 | 2.0 |
| SUSPENDED SOLIDS ^a | mg/L | SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: PART 2540 D) | 29.1 | 6.3 | ≤ 40 | 5.0 |
| TOTAL KJELDAHL NITROGEN ^b | mg/L | IN-HOUSE METHOD: UAE TP WAS.001 (KJELDAHL METHOD); SM: PART 4500-Norg C | 19.7 | 11.0 | ≤ 35 | 1.5 |
| FAT, OIL AND GREASE ^c | mg/L | LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: PART 5520 B) | 4 | ND | ≤ 20 | 3 |
| MICROBIOLOGY | | | | | | |
| FAECAL COLIFORM BACTERIA ^b | MPN/100 mL | MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM: PART 9221 E) | >160,000 | 1,300 | - | 1.6 |
| 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

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

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

RESULT 1 : INFLUENT (RYG 2)

RESULT 2 : EFFLUENT (RYG 2)

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. 122, PART 125 D, DATED DECEMBER 29, 2005.

ND : NON-DETECTABLE.



(MISS CHAWEEVAN BOONLA)
LABORATORY SUPERVISOR

JUNE 23, 2023

