

**ผลวิเคราะห์คุณภาพน้ำทั้งโครงการ KANTARY HOTEL (อมตะ บางปะกง)**



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

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NSC - TISI - TIS 17025  
TESTING 0207



TESTING  
No. 0063

### ANALYSIS REPORT

|                            |  |                        |                    |
|----------------------------|--|------------------------|--------------------|
| <b>CUSTOMER NAME</b>       | : KALEIDESCOPE PROPERTIES CO.,LTD (KANTARY HOTEL AMATA BANGPAKONG) | <b>RECEIVED DATE</b>   | : JULY 14, 2022    |
| <b>ADDRESS</b>             | : 828, 828/1-2 MOO 5 KHLONG TAMRU MUEANG CHON BURI CHON BURI 20000 | <b>ANALYTICAL DATE</b> | : JULY 14-22, 2022 |
| <b>CONTACT INFORMATION</b> | : TEL : 0 2233 8989-98 e-mail : kj-qc@kasemkij.com                 | <b>REPORT NO.</b>      | : 2022-U057925     |
| <b>SAMPLING SOURCE</b>     | : WASTEWATER TREATMENT PLANT OF KANTARY HOTEL AMATA BANGPAKONG     | <b>WORK NO.</b>        | : 2022-004651      |
| <b>SAMPLE TYPE</b>         | : EFFLUENT   | <b>ANALYSIS NO.</b>    | : T22AO018-0001    |
| <b>SAMPLING DATE</b>       | : JULY 13, 2022  |                        |                    |
| <b>SAMPLING TIME</b>       | : -  |                        |                    |
| <b>SAMPLING METHOD</b>     | : -  |                        |                    |
| <b>SAMPLING BY</b>         | : CUSTOMER   |                        |                    |
| <b>ANALYZED BY</b>         | : MISS AMONRAT PUTTALEE  |                        |                    |

| PARAMETER                              | UNIT       | METHOD OF ANALYSIS   | RESULT                              | REGULATORY STANDARD | DETECTION LIMIT |
|--|------------|--|-------------------------------------|---------------------|-----------------|
|  |            |  | EFFLUENT (BUILDING A) T22AO018-0001 |                     |                 |
| pH <sup>a</sup>                        | -          | ELECTROMETRIC METHOD (SM: 4500-H <sup>+</sup> B)                   | 6.8 (25°C)                          | 5-9                 | -               |
| BIOCHEMICAL OXYGEN DEMAND <sup>c</sup> | mg/L       | AZIDE MODIFICATION METHOD (SM: 4500-O C AND 5210 B)                | 29.5                                | ≤ 30                | 2.0             |
| SUSPENDED SOLIDS <sup>a</sup>          | mg/L       | SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: 2540 D)                  | 8.8                                 | ≤ 40                | 5.0             |
| SULPHIDE <sup>b</sup>                  | mg/L       | IODOMETRIC METHOD (SM: 4500-S <sup>2-</sup> F)                     | < 0.50                              | ≤ 1.0               | 0.50            |
| TOTAL KJELDAHL NITROGEN <sup>b</sup>   | mg/L       | IN-HOUSE METHOD: UAE.TP.WAS.001 (KJELDAHL METHOD); SM: 4500-Norg C | 8.4                                 | ≤ 35                | 1.5             |
| FAT, OIL AND GREASE <sup>a</sup>       | mg/L       | LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM: 5520 B)           | ND                                  | ≤ 20                | 3               |
| <b>MICROBIOLOGY</b>                    |            |  |                                     |                     |                 |
| FAECAL COLIFORM BACTERIA <sup>b</sup>  | MPN/100 mL | MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM 9221 E)                   | 17                                  | -                   | 18              |
| <b>SAMPLE CONDITION</b>                |            |  |                                     |                     |                 |
| WATER'S COLOUR/TURBID                  |            |  | YELLOW/TURBID                       |                     |                 |
| SEDIMENT                               |            |  | YELLOW                              |                     |                 |

<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

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

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

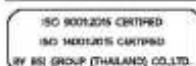
REGULATORY STANDARD : RANGE OR MAXIMUM PERMITTED VALUE FOR BUILDING EFFLUENT STANDARDS CLASS B, NOTIFICATION OF THE MINISTRY OF RESOURCES AND ENVIRONMENT, PUBLISHED IN THE ROYAL GOVERNMENT GAZETTE, VOL. 122, PART 125 D, DATED DECEMBER 29, 2005.

ND : NON-DETECTABLE.

*Piyapol S.*

(MRS PIYAPAT SUTTAMANUTWONG)  
LABORATORY SUPERVISOR

JULY 26, 2022



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• REPORTED ANALYSIS REFERS TO SUBMITTED SAMPLE ONLY.

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## ANALYSIS REPORT

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**ADDRESS** : 828, 828/1-2 MOO 5 KHLONG TAMRU MUEANG CHON BURI CHON BURI 20000  
**CONTACT INFORMATION** : TEL : 0 2233 8989-98 e-mail : kj-qc@kasemkij.com  
**SAMPLING SOURCE** : WASTEWATER TREATMENT PLANT OF KANTARY HOTEL AMATA BANGPAKONG  
**SAMPLE TYPE** : EFFLUENT  
**SAMPLING DATE** : OCTOBER 5, 2022  
**SAMPLING TIME** : -  
**SAMPLING METHOD** : -  
**SAMPLING BY** : CUSTOMER  
**ANALYZED BY** : MISS AMONRAT PUTTALEE

**RECEIVED DATE** : OCTOBER 6, 2022  
**ANALYTICAL DATE** : OCTOBER 6-17, 2022  
**REPORT NO.** : 2022-U081953  
**WORK NO.** : 2022-007255  
**ANALYSIS NO.** : T22AT917-0001

| PARAMETER                              | UNIT       | METHOD OF ANALYSIS   | RESULT                                 | REGULATORY STANDARD | DETECTION LIMIT |
|--|------------|--|--|---------------------|-----------------|
|  |            |  | EFFLUENT (BUILDING A)<br>T22AT917-0001 |                     |                 |
| pH <sup>a</sup>                        | -          | ELECTROMETRIC METHOD AT SITE (SM 4500-H <sup>+</sup> B)            | 5.0 (25°C)                             | 5-9                 | -               |
| BIOCHEMICAL OXYGEN DEMAND <sup>c</sup> | mg/L       | AZIDE MODIFICATION METHOD (SM 4500-O C AND 5210 B)                 | 20.6                                   | ≤ 30                | 2.0             |
| SUSPENDED SOLIDS <sup>a</sup>          | mg/L       | SUSPENDED SOLIDS DRIED AT 103-105 °C (SM 2540 D)                   | 38.3                                   | ≤ 40                | 5.0             |
| SULPHIDE <sup>b</sup>                  | mg/L       | IODOMETRIC METHOD (SM 4500-S <sup>2-</sup> F)                      | < 0.50                                 | ≤ 1.0               | 0.50            |
| TOTAL KJELDAHL NITROGEN <sup>b</sup>   | mg/L       | IN-HOUSE METHOD: UAE/TP.WAS.001 (KJELDAHL METHOD); SM: 4500-Norg C | 5.9                                    | ≤ 35                | 15              |
| FAT, OIL AND GREASE <sup>a</sup>       | mg/L       | LIQUID-LIQUID, PARTITION-GRAVIMETRIC METHOD (SM 5520 B)            | ND                                     | ≤ 20                | 3               |
| MICROBIOLOGY                           |            |  |  |                     |                 |
| FAECAL COLIFORM BACTERIA <sup>b</sup>  | MPN/100 mL | MULTIPLE-TUBE FERMENTATION TECHNIQUE (SM 9221 E)                   | < 18                                   | -                   | 18              |
| <b>SAMPLE CONDITION</b>                |            |  |  |                     |                 |
| WATER'S COLOUR/TURBID SEDIMENT         |            |  | YELLOW/TURBID BROWN                    |                     |                 |

<sup>a</sup> : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

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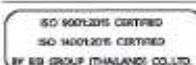
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ND : NON-DETECTABLE.

*Benjawan V.*

(MISS BENJAWAN VIRIYOTHA)  
LABORATORY SUPERVISOR

OCTOBER 25, 2022



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