



Analysis / Test Report

TESTING

No.0009

Lot ID: 21107000

Date Received : Oct 06, 2021

Date Reported : Oct 12, 2021

Report Number : 2089226-1

Client : Bangkok Phuket Hospital Co., Ltd.

2/1, Hongyok Utis Road, Taladyai, Muang, Phuket Thailand 83000

P/O : 005-4304217105

Project Name : Water Testing : BPK

Project Location :

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| | |
|--------------------------------|---|
| Sample Number | 21107000-1 |
| Sampled Date | Oct 05, 2021 11:00 AM |
| Sample Description | น้ำทิ้งหลังออกจากระบบ (น้ำรวม) |
| Location | บ่อบำบัดน้ำเสียรวม |
| Date Analysis Commenced | Oct 06, 2021 |
| Condition of Sample | Contained in one amber glass bottle and five plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA) |

| Analyte | Unit | LOD | LOQ (LOR) | Result | Guideline / Specification | Method | Testing Location |
|--|-----------|------|-----------|--------------|---------------------------|---------------------------------------|------------------|
| Microbiological Testing | | | | | | | |
| Fecal Coliform | MPN/100mL | - | - | <1.8 | No Standard | APHA (2017), 9221 E | Bangkok |
| Total Coliform | MPN/100mL | - | - | <1.8 | No Standard | APHA (2017), 9221 B | Bangkok |
| Water Testing | | | | | | | |
| BOD (5 days at 20 degree C) * | mg/L | - | 2 | 3 | ≤20 | Based on APHA (2017), 5210 B | Bangkok |
| COD | mg/L | 1.5 | 5 | 18 | No Standard | Based on APHA (2017), 5220 D | Bangkok |
| Oil & Grease | mg/L | - | 3 | <3 | ≤20 | Based on APHA (2017), 5520 B | Bangkok |
| pH at 25 degree C | | - | - | 7.1 | 5.0-9.0 | Based on APHA (2017), 4500-H (B) | Bangkok |
| Residual Free Chlorine * | mg/L | - | 0.1 | 0.4 | No Standard | APHA (2017), 4500-Cl(F) | Bangkok |
| Settleable Solid * | mL/L/hr | - | 0.1 | <0.1 | ≤0.5 | Based on APHA (2017), 2540 F | Bangkok |
| Sulfide * | mg/L | - | 0.5 | <0.5 | ≤1 | Based on APHA (2017), 4500-S2(C), (F) | Bangkok |
| Total Dissolved solids Dried at 180 degree C | mg/L | - | 5 | 572 | No Standard | Based on APHA (2017), 2540 C | Bangkok |
| Total Kjeldahl Nitrogen as N * | mg/L | 0.15 | 1.0 | Not Detected | ≤35 | Based on APHA (2017), 4500-Norg (C) | Bangkok |
| Total Suspended Solids Dried at 103-105 degree C | mg/L | - | 5 | 7 | ≤30 | Based on APHA (2017), 2540 D | Bangkok |

Guideline : Notification of Ministry of Natural Resources and Environment November, 7, B.E. 2548 on Effluent Control Standard from Types and Sized of Buildings, Type A.

(1) : The values are in addition to the Total Dissolved Solids of the water used not more than 500 mg/L.

Sampled By : Yuttapong Rattana

Remark :

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025.

Approved by

Sithichok T.

Sithichok Thongnguen
Scientist (3)

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