



Analysis / Test Report

TESTING
No.0166

Client : Bangkok Phuket Hospital Co., Ltd.
2/1, Hongyok Utis Road, Taladyai, Muang, Phuket Thailand 83000

P/O :

Project Name : Water Testing : BPK

Project Location :

Lot ID: 2361117

Date Received : Jun 07, 2023

Date Reported : Jun 23, 2023

Report Number : 2689901-1

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| | |
|--------------------------------|---|
| Sample Number | 2361117-8 |
| Sampled Date | Jun 06, 2023 11:08 AM |
| Sample Description | น้ำเสียก่อนเข้าระบบบำบัด (น้ำรวม) |
| Location | ระบบบำบัดน้ำเสีย - บ่อรวบรวมน้ำเสีย |
| Date Analysis Commenced | Jun 07, 2023 |
| 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 |
|--|---------|------|-----------|--------|---------------------------|---|------------------|
| Water Testing | | | | | | | |
| BOD * | mg/L | - | 2 | 86.6 | ≤20 | Based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B | Songkhla |
| COD | mg/L | - | 25 | 183 | No Standard | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D | Songkhla |
| Oil & Grease | mg/L | - | 3 | 10 | ≤20 | In-house method : STM 13-006 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B | Songkhla |
| pH at 25 degree C * | | - | - | 7.4 | 5.0-9.0 | In-house method : STM 13-001 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B) | Songkhla |
| Settleable Solid * | mL/L/hr | - | 0.1 | 0.1 | ≤0.5 | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 F | Songkhla |
| Sulfide * | mg/L | - | 0.5 | 3.0 | ≤1 | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-S2 (C, F) | Songkhla |
| Total Dissolved Solids Dried at 103-105 degree C * | mg/L | - | 5 | 644 | (1) | In-house method : STM 04-010 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C | Songkhla |
| Total Kjeldahl Nitrogen as N * | mg/L | 0.15 | 1.0 | 62.9 | ≤35 | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Norg (C) | Bangkok |

The above results are valid only for the analyzed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

Approved by

Ananta B.

Ananta Boonphet
Scientist (2)

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|------------------------|------|-----|-----------|--------|---------------------------|---|------------------|
| Water Testing | | | | | | | |
| Total Suspended Solids | mg/L | - | 5 | 48 | ≤30 | Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D | Songkhla |

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.

Sampling By : Yuttapong Rattana , Thaksin Aintrom

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.
- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

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