



Analysis / Test Report

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 :

TESTING

No.0009

Lot ID: 21107008

Date Received : Oct 06, 2021

Date Reported : Oct 12, 2021

Report Number : 2089250-1

Page 1 of 2

| | |
|--------------------------------|--|
| Sample Number | 21107008-1 |
| Sampled Date | Oct 05, 2021 11:10 AM |
| Sample Description | น้ำคลอง |
| Location | น้ำคลองก่อนจุดปล่อยน้ำทิ้ง 100 ม. |
| Date Analysis Commenced | Oct 06, 2021 |
| Condition of Sample | Contained in two BOD bottles and five plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA) |

| Analyte | Unit | LOD | LOQ (LOR) | Result | Guideline / Specification | Method | Testing Location |
|--------------------------------|-----------|---------|-----------|---------|---------------------------|---|------------------|
| Metals Testing | | | | | | | |
| Manganese | mg/L | 0.00005 | 0.0001 | 0.24 | ≤1 | Based on APHA (2017), 3125 | Bangkok |
| Microbiological Testing | | | | | | | |
| Fecal Coliform * | MPN/100mL | - | - | 33000.0 | ≤4000 | APHA (2017), 9221 E | Bangkok |
| Total Coliform * | MPN/100mL | - | - | 70000.0 | ≤20000 | APHA (2017), 9221 B | Bangkok |
| Water Testing | | | | | | | |
| Ammonia Nitrogen * | mg/L | - | 0.06 | 0.78 | ≤0.5 | Based on APHA (2017), 4500-NH3 (B), (F) | Bangkok |
| BOD (5 days at 20 degree C) * | mg/L | - | 2 | 3 | ≤2 | Based on APHA (2017), 5210 B | Bangkok |
| Dissolved Oxygen * | mg/L | - | 0.1 | 6.6 | ≥4 | Based on APHA (2017), 4500-O (C) | Bangkok |
| Nitrate as N | mg/L | 0.06 | 0.2 | 0.8 | ≤5 | Based on APHA (2017), 4110 B | Bangkok |
| pH at 25 degree C | | - | - | 7.7 | 5.0-9.0 | Based on APHA (2017), 4500-H (B) | Bangkok |

Guideline : Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 3)

n': Change from Natural condition not more than 3 degree C

n : Not Change from natural condition

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.

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

Tuanjai Thangklang
Assistant Manager



Analysis / Test Report

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 :

TESTING
No.0009
Lot ID: 21107008
Date Received : Oct 06, 2021
Date Reported : Oct 12, 2021
Report Number : 2089250-1

Page 2 of 2

| | |
|--------------------------------|--|
| Sample Number | 21107008-2 |
| Sampled Date | Oct 05, 2021 11:24 AM |
| Sample Description | น้ำคลอง |
| Location | น้ำคลองหลังจุดปล่อยน้ำทิ้ง 100 ม. |
| Date Analysis Commenced | Oct 06, 2021 |
| Condition of Sample | Contained in two BOD bottles and five plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA) |

| Analyte | Unit | LOD | LOQ (LOR) | Result | Guideline / Specification | Method | Testing Location |
|--------------------------------|-----------|---------|-----------|---------|---------------------------|---|------------------|
| Metals Testing | | | | | | | |
| Manganese | mg/L | 0.00005 | 0.0001 | 0.24 | ≤1 | Based on APHA (2017), 3125 | Bangkok |
| Microbiological Testing | | | | | | | |
| Fecal Coliform * | MPN/100mL | - | - | 33000.0 | ≤4000 | APHA (2017), 9221 E | Bangkok |
| Total Coliform * | MPN/100mL | - | - | 79000.0 | ≤20000 | APHA (2017), 9221 B | Bangkok |
| Water Testing | | | | | | | |
| Ammonia Nitrogen * | mg/L | - | 0.06 | 0.80 | ≤0.5 | Based on APHA (2017), 4500-NH3 (B), (F) | Bangkok |
| BOD (5 days at 20 degree C) * | mg/L | - | 2 | 3 | ≤2 | Based on APHA (2017), 5210 B | Bangkok |
| Dissolved Oxygen * | mg/L | - | 0.1 | 6.3 | ≥4 | Based on APHA (2017), 4500-O (C) | Bangkok |
| Nitrate as N | mg/L | 0.06 | 0.2 | 0.9 | ≤5 | APHA (2017), 4110 B | Bangkok |
| pH at 25 degree C | | - | - | 7.6 | 5.0-9.0 | Based on APHA (2017), 4500-H (B) | Bangkok |

Guideline : Notification of the National Environmental Board, No. 8, B.E.2537 issued under the Enhancement and Conservation of National Environmental Quality Act. B.E.2535, published in the Royal Government Gazette, Vol. 111, Part 16, Dated February 24, B.E. 2537 (Class 3)

n': Change from Natural condition not more than 3 degree C

n : Not Change from natural condition

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.

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

Tuanjai Thangklang
Assistant Manager