



## Analysis / Test Report

TESTING  
No.0166

**Client :** Bangkok Phuket Hospital Co., Ltd.  
89/8, 89/9 Moo 2, Vichit, Muang, Phuket Thailand 83000

**P/O :**

**Project Name :** Dibuk Hospital

**Project Location :**

**Lot ID: 2276225**

Date Received : Jul 07, 2022

Date Reported : Jul 18, 2022

Report Number : 2377649-1

Page 1 of 1

<b>Sample Number</b>	2276225-3
<b>Sampled Date</b>	Jul 06, 2022 12:05 PM
<b>Sample Description</b>	Influent Water
<b>Location</b>	Influent Water Tank
<b>Date Analysis Commenced</b>	Jul 07, 2022
<b>Condition of Sample</b>	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	Method	Testing Location
<b>Water Testing</b>						
BOD *	mg/L	-	2	11	Based on APHA (2017), 5210 (B), 4500-O (C)	Songkhla
COD	mg/L	-	5	85	Based on APHA (2017), 5220 D	Songkhla
Oil & Grease	mg/L	-	3	<3	Based on APHA (2017), 5520 B	Songkhla
pH at 25 degree C		-	-	7.3	Based on APHA (2017), 4500-H (B)	Songkhla
Settleable Solid *	mL/L/hr	-	0.1	<0.1	Based on APHA (2017), 2540 F	Songkhla
Sulfide *	mg/L	-	0.5	<0.5	Based on APHA (2017), 4500-S2 (C), (F)	Songkhla
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	158	APHA (2017), 2540 C	Songkhla
Total Kjeldahl Nitrogen as N *	mg/L	0.15	1.0	16.1	Based on APHA (2017), 4500-Norg (C)	Bangkok
Total Suspended Solids	mg/L	-	5	10	APHA (2017), 2540 D	Songkhla

**Sampled 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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Approved by

*Sutthirak T.*

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TESTING  
No.0166

**Client :** Bangkok Phuket Hospital Co., Ltd.  
89/8, 89/9 Moo 2, Vichit, Muang, Phuket Thailand 83000

**P/O :**

**Project Name :** Dibuk Hospital

**Project Location :**

**Lot ID: 2276225**

Date Received : Jul 07, 2022

Date Reported : Jul 18, 2022

Report Number : 2377650-1

Page 1 of 1

<b>Sample Number</b>	2276225-4
<b>Sampled Date</b>	Jul 06, 2022 11:50 AM
<b>Sample Description</b>	Effluent Water
<b>Location</b>	Effluent Water Tank
<b>Date Analysis Commenced</b>	Jul 07, 2022
<b>Condition of Sample</b>	Contained in one amber glass bottle and six plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Microbiological Testing</b>							
[A] Fecal Coliform	MPN/100mL	-	-	<1.8	No Standard	APHA (2017), 9221 E	Bangkok
[A] Total Coliform	MPN/100mL	-	-	<1.8	No Standard	APHA (2017), 9221 B	Bangkok
<b>Water Testing</b>							
BOD *	mg/L	-	2	<2	≤20	Based on APHA (2017), 5210 (B), 4500-O (C)	Songkhla
COD	mg/L	-	5	41	No Standard	Based on APHA (2017), 5220 D	Songkhla
Oil & Grease	mg/L	-	3	<3	≤20	Based on APHA (2017), 5520 B	Songkhla
pH at 25 degree C		-	-	6.8	5.0-9.0	Based on APHA (2017), 4500-H (B)	Songkhla
Residual Free Chlorine	mg/L	-	0.1	0.9	No Standard	APHA (2017), 4500-Cl (F)	Songkhla
Settleable Solid *	mL/L/hr	-	0.1	<0.1	≤0.5	Based on APHA (2017), 2540 F	Songkhla
Sulfide *	mg/L	-	0.5	<0.5	≤1	Based on APHA (2017), 4500-S2 (C), (F)	Songkhla
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	212	No Standard	APHA (2017), 2540 C	Songkhla
Total Kjeldahl Nitrogen as N *	mg/L	0.15	1.0	4.1	≤35	Based on APHA (2017), 4500-Norg (C)	Bangkok
Total Suspended Solids	mg/L	-	5	8	≤30	APHA (2017), 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.

**Note :** สารที่ละลายได้ทั้งหมดในน้ำใช้ = 92 มิลลิกรัมต่อลิตร

**Sampled 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.
- [A] Analysis conducted by ALS Laboratory Group (Thailand) Co., Ltd. Bangkok Branch, DSS Accreditation No. 0009.
- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

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Approved by

Tuanjai Thangklang  
Manager

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## Analysis / Test Report

TESTING  
No.0166

**Client :** Bangkok Phuket Hospital Co., Ltd.  
89/8, 89/9 Moo 2, Vichit, Muang, Phuket Thailand 83000  
**P/O :** 051-4305236170  
**Project Name :** Dibuk Hospital  
**Project Location :**

**Lot ID: 2288612**

Date Received : Aug 04, 2022

Date Reported : Aug 22, 2022

Report Number : 2410717-1

Page 1 of 1

<b>Sample Number</b>	2288612-3
<b>Sampled Date</b>	Aug 03, 2022 10:15 AM
<b>Sample Description</b>	Influent Water
<b>Location</b>	Influent Water Tank
<b>Date Analysis Commenced</b>	Aug 04, 2022
<b>Condition of Sample</b>	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	Method	Testing Location
<b>Water Testing</b>						
BOD *	mg/L	-	2	9	Based on APHA (2017), 5210 (B), 4500-O (C)	Songkhla
COD	mg/L	-	5	65	Based on APHA (2017), 5220 D	Songkhla
Oil & Grease	mg/L	-	3	<3	Based on APHA (2017), 5520 B	Songkhla
pH at 25 degree C		-	-	7.7	Based on APHA (2017), 4500-H (B)	Songkhla
Settleable Solid *	mL/L/hr	-	0.1	<0.1	Based on APHA (2017), 2540 F	Songkhla
Sulfide *	mg/L	-	0.5	0.8	Based on APHA (2017), 4500-S2 (C), (F)	Songkhla
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	280	APHA (2017), 2540 C	Songkhla
Total Kjeldahl Nitrogen as N *	mg/L	0.15	1.0	18.3	Based on APHA (2017), 4500-Norg (C)	Bangkok
Total Suspended Solids	mg/L	-	5	13	APHA (2017), 2540 D	Songkhla

**Sampled By :** Yuttapong Rattana , Thaksin Aintrom

Remark :

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TESTING  
No.0166

**Client** : Bangkok Phuket Hospital Co., Ltd.  
89/8, 89/9 Moo 2, Vichit, Muang, Phuket Thailand 83000  
**P/O** : 051-4305236170  
**Project Name** : Dibuk Hospital  
**Project Location** :

**Lot ID: 2288612**  
Date Received : Aug 04, 2022  
Date Reported : Aug 22, 2022  
Report Number : 2410718-1

Page 1 of 1

<b>Sample Number</b>	2288612-4
<b>Sampled Date</b>	Aug 03, 2022 10:26 AM
<b>Sample Description</b>	Effluent Water
<b>Location</b>	Effluent Water Tank
<b>Date Analysis Commenced</b>	Aug 04, 2022
<b>Condition of Sample</b>	Contained in one amber glass bottle and six plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Microbiological Testing</b>							
Fecal Coliform	MPN/100mL	-	-	4.5	No Standard	APHA (2017), 9221 E	Songkhla
Total Coliform	MPN/100mL	-	-	49.0	No Standard	APHA (2017), 9221 B	Songkhla
<b>Water Testing</b>							
BOD *	mg/L	-	2	<2	≤20	Based on APHA (2017), 5210 (B), 4500-O (C)	Songkhla
COD	mg/L	-	5	16	No Standard	Based on APHA (2017), 5220 D	Songkhla
Oil & Grease	mg/L	-	3	<3	≤20	Based on APHA (2017), 5520 B	Songkhla
pH at 25 degree C		-	-	7.2	5.0-9.0	Based on APHA (2017), 4500-H (B)	Songkhla
Residual Free Chlorine	mg/L	-	0.1	0.7	No Standard	APHA (2017), 4500-Cl (F)	Songkhla
Settleable Solid *	mL/L/hr	-	0.1	<0.1	≤0.5	Based on APHA (2017), 2540 F	Songkhla
Sulfide *	mg/L	-	0.5	<0.5	≤1	Based on APHA (2017), 4500-S2 (C), (F)	Songkhla
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	212	No Standard	APHA (2017), 2540 C	Songkhla
Total Kjeldahl Nitrogen as N *	mg/L	0.15	1.0	4.5	≤35	Based on APHA (2017), 4500-Norg (C)	Bangkok
Total Suspended Solids	mg/L	-	5	10	≤30	APHA (2017), 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.

**Sampled By** : Yuttapong Rattana, Thaksin Aintrom

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## Analysis / Test Report

TESTING  
No.0166

**Client :** Bangkok Phuket Hospital Co., Ltd.  
89/8, 89/9 Moo 2, Vichit, Muang, Phuket Thailand 83000

**P/O :**

**Project Name :** Dibuk Hospital

**Project Location :**

**Lot ID: 22103826**

Date Received : Sep 08, 2022

Date Reported : Sep 17, 2022

Report Number : 2436817-1

Page 1 of 1

<b>Sample Number</b>	22103826-2
<b>Sampled Date</b>	Sep 07, 2022 8:55 AM
<b>Sample Description</b>	Influent Water
<b>Location</b>	Influent Water Tank
<b>Date Analysis Commenced</b>	Sep 08, 2022
<b>Condition of Sample</b>	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	Method	Testing Location
<b>Water Testing</b>						
BOD *	mg/L	-	2	8	Based on APHA (2017), 5210 (B), 4500-O (C)	Songkhla
COD	mg/L	-	5	90	Based on APHA (2017), 5220 D	Songkhla
Oil & Grease	mg/L	-	3	<3	Based on APHA (2017), 5520 B	Songkhla
pH at 25 degree C		-	-	7.7	Based on APHA (2017), 4500-H (B)	Songkhla
Settleable Solid *	mL/L/hr	-	0.1	<0.1	Based on APHA (2017), 2540 F	Songkhla
Sulfide *	mg/L	-	0.5	1.6	Based on APHA (2017), 4500-S2 (C), (F)	Songkhla
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	164	APHA (2017), 2540 C	Songkhla
Total Kjeldahl Nitrogen as N *	mg/L	0.15	1.0	23.4	Based on APHA (2017), 4500-Norg (C)	Bangkok
Total Suspended Solids	mg/L	-	5	16	APHA (2017), 2540 D	Songkhla

**Sampled By :** Yuttapong Rattana , Thaksin Aintrom

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## Analysis / Test Report

TESTING  
No.0166

Client : Bangkok Phuket Hospital Co., Ltd.  
89/8, 89/9 Moo 2, Vichit, Muang, Phuket Thailand 83000

P/O :

Project Name : Dibuk Hospital

Project Location :

Lot ID: 22103826

Date Received : Sep 08, 2022

Date Reported : Sep 17, 2022

Report Number : 2436818-1

Page 1 of 1

Sample Number	22103826-3
Sampled Date	Sep 07, 2022 9:11 AM
Sample Description	Effluent Water
Location	Effluent Water Tank
Date Analysis Commenced	Sep 08, 2022
Condition of Sample	Contained in one amber glass bottle and six plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Microbiological Testing</b>							
Fecal Coliform	MPN/100mL	-	-	<1.8	No Standard	APHA (2017), 9221 E	Songkhla
Total Coliform	MPN/100mL	-	-	<1.8	No Standard	APHA (2017), 9221 B	Songkhla
<b>Water Testing</b>							
BOD *	mg/L	-	2	<2	≤20	Based on APHA (2017), 5210 (B), 4500-O (C)	Songkhla
COD	mg/L	-	5	18	No Standard	Based on APHA (2017), 5220 D	Songkhla
Oil & Grease	mg/L	-	3	<3	≤20	Based on APHA (2017), 5520 B	Songkhla
pH at 25 degree C		-	-	7.1	5.0-9.0	Based on APHA (2017), 4500-H (B)	Songkhla
Residual Free Chlorine	mg/L	-	0.1	0.5	No Standard	APHA (2017), 4500-Cl (F)	Songkhla
Settleable Solid *	mL/L/hr	-	0.1	<0.1	≤0.5	Based on APHA (2017), 2540 F	Songkhla
Sulfide *	mg/L	-	0.5	<0.5	≤1	Based on APHA (2017), 4500-S2 (C), (F)	Songkhla
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	300	No Standard	APHA (2017), 2540 C	Songkhla
Total Kjeldahl Nitrogen as N *	mg/L	0.15	1.0	2.0	≤35	Based on APHA (2017), 4500-Norg (C)	Bangkok
Total Suspended Solids	mg/L	-	5	8	≤30	APHA (2017), 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.

**Note :** สารที่ละลายได้ทั้งหมดในน้ำใช้ = 95 มิลลิกรัมต่อลิตร

**Sampled By :** Yuttapong Rattana , Thaksin Aintrom

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## Analysis / Test Report

TESTING  
No.0166

**Client** : Bangkok Phuket Hospital Co., Ltd.  
89/8, 89/9 Moo 2, Vichit, Muang, Phuket Thailand 83000  
**P/O** : 051-4305329329  
**Project Name** : Dibuk Hospital  
**Project Location** :

**Lot ID: 22116279**

Date Received : Oct 06, 2022

Date Reported : Oct 17, 2022

Report Number : 2464863-1

Page 1 of 1

<b>Sample Number</b>	22116279-3
<b>Sampled Date</b>	Oct 05, 2022 9:20 AM
<b>Sample Description</b>	Influent Water
<b>Location</b>	Influent Water Tank
<b>Date Analysis Commenced</b>	Oct 06, 2022
<b>Condition of Sample</b>	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	Method	Testing Location
<b>Water Testing</b>						
BOD *	mg/L	-	2	9	Based on APHA (2017), 5210 (B), 4500-O (C)	Songkhla
COD	mg/L	-	5	100	Based on APHA (2017), 5220 D	Songkhla
Oil & Grease	mg/L	-	3	<3	Based on APHA (2017), 5520 B	Songkhla
pH at 25 degree C		-	-	7.4	Based on APHA (2017), 4500-H (B)	Songkhla
Settleable Solid *	mL/L/hr	-	0.1	0.2	Based on APHA (2017), 2540 F	Songkhla
Sulfide *	mg/L	-	0.5	1.0	Based on APHA (2017), 4500-S2 (C), (F)	Songkhla
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	196	APHA (2017), 2540 C	Songkhla
Total Kjeldahl Nitrogen as N *	mg/L	0.15	1.0	18.6	Based on APHA (2017), 4500-Norg (C)	Bangkok
Total Suspended Solids	mg/L	-	5	14	APHA (2017), 2540 D	Songkhla

**Sampled By** : Yuttapong Rattana , Thaksin Aintrom

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## Analysis / Test Report

TESTING  
No.0166

**Client :** Bangkok Phuket Hospital Co., Ltd.  
89/8, 89/9 Moo 2, Vichit, Muang, Phuket Thailand 83000  
**P/O :** 051-4305329329  
**Project Name :** Dibuk Hospital  
**Project Location :**

**Lot ID: 22116279**  
Date Received : Oct 06, 2022  
Date Reported : Oct 17, 2022  
Report Number : 2464864-1

Page 1 of 1

<b>Sample Number</b>	22116279-4
<b>Sampled Date</b>	Oct 05, 2022 9:05 AM
<b>Sample Description</b>	Effluent Water
<b>Location</b>	Effluent Water Tank
<b>Date Analysis Commenced</b>	Oct 06, 2022
<b>Condition of Sample</b>	Contained in one amber glass bottle and six plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Microbiological Testing</b>							
Fecal Coliform	MPN/100mL	-	-	<1.8	No Standard	APHA (2017), 9221 E	Songkhla
Total Coliform	MPN/100mL	-	-	4.5	No Standard	APHA (2017), 9221 B	Songkhla
<b>Water Testing</b>							
BOD *	mg/L	-	2	<2	≤20	Based on APHA (2017), 5210 (B), 4500-O (C)	Songkhla
COD	mg/L	-	5	<5	No Standard	Based on APHA (2017), 5220 D	Songkhla
Oil & Grease	mg/L	-	3	<3	≤20	Based on APHA (2017), 5520 B	Songkhla
pH at 25 degree C		-	-	7.4	5.0-9.0	Based on APHA (2017), 4500-H (B)	Songkhla
Residual Free Chlorine	mg/L	-	0.1	1.2	No Standard	APHA (2017), 4500-Cl (F)	Songkhla
Settleable Solid *	mL/L/hr	-	0.1	<0.1	≤0.5	Based on APHA (2017), 2540 F	Songkhla
Sulfide *	mg/L	-	0.5	0.6	≤1	Based on APHA (2017), 4500-S2 (C), (F)	Songkhla
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	160	No Standard	APHA (2017), 2540 C	Songkhla
Total Kjeldahl Nitrogen as N *	mg/L	0.15	1.0	9.3	≤35	Based on APHA (2017), 4500-Norg (C)	Bangkok
Total Suspended Solids	mg/L	-	5	9	≤30	APHA (2017), 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.

**Note :** สารที่ละลายได้ทั้งหมดในน้ำใช้ = 76 มิลลิกรัมต่อลิตร

**Sampled By :** Yuttapong Rattana , Thaksin Aintrom

Remark :

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
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Approved by

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## Analysis / Test Report

TESTING  
No.0166

**Client :** Bangkok Phuket Hospital Co., Ltd.  
89/8, 89/9 Moo 2, Vichit, Muang, Phuket Thailand 83000  
**P/O :** 051-4305329329  
**Project Name :** Dibuk Hospital  
**Project Location :**

**Lot ID: 22129827**

Date Received : Nov 03, 2022

Date Reported : Nov 11, 2022

Report Number : 2490204-1

Page 1 of 1

<b>Sample Number</b>	22129827-3
<b>Sampled Date</b>	Nov 02, 2022 1:57 PM
<b>Sample Description</b>	Influent Water
<b>Location</b>	Influent Water Tank
<b>Date Analysis Commenced</b>	Nov 03, 2022
<b>Condition of Sample</b>	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	Method	Testing Location
<b>Water Testing</b>						
BOD *	mg/L	-	2	9	Based on APHA (2017), 5210 (B), 4500-O (C)	Songkhla
COD	mg/L	-	5	93	Based on APHA (2017), 5220 D	Songkhla
Oil & Grease	mg/L	-	3	<3	Based on APHA (2017), 5520 B	Songkhla
pH at 25 degree C		-	-	7.3	Based on APHA (2017), 4500-H (B)	Songkhla
Settleable Solid *	mL/L/hr	-	0.1	<0.1	Based on APHA (2017), 2540 F	Songkhla
Sulfide *	mg/L	-	0.5	1.2	Based on APHA (2017), 4500-S2 (C), (F)	Songkhla
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	248	APHA (2017), 2540 C	Songkhla
Total Kjeldahl Nitrogen as N *	mg/L	0.15	1.0	20.5	Based on APHA (2017), 4500-Norg (C)	Bangkok
Total Suspended Solids	mg/L	-	5	26	APHA (2017), 2540 D	Songkhla

**Sampled By :** Yuttapong Rattana

Remark :

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## Analysis / Test Report

TESTING  
No.0166

**Client :** Bangkok Phuket Hospital Co., Ltd.  
89/8, 89/9 Moo 2, Vichit, Muang, Phuket Thailand 83000  
**P/O :** 051-4305329329  
**Project Name :** Dibuk Hospital  
**Project Location :**

**Lot ID: 22129827**  
Date Received : Nov 03, 2022  
Date Reported : Nov 11, 2022  
Report Number : 2490205-1

Page 1 of 1

<b>Sample Number</b>	22129827-4
<b>Sampled Date</b>	Nov 02, 2022 1:49 PM
<b>Sample Description</b>	Effluent Water
<b>Location</b>	Effluent Water Tank
<b>Date Analysis Commenced</b>	Nov 03, 2022
<b>Condition of Sample</b>	Contained in one amber glass bottle and six plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Microbiological Testing</b>							
Fecal Coliform	MPN/100mL	-	-	<1.8	No Standard	APHA (2017), 9221 E	Songkhla
Total Coliform	MPN/100mL	-	-	<1.8	No Standard	APHA (2017), 9221 B	Songkhla
<b>Water Testing</b>							
BOD *	mg/L	-	2	<2	≤20	Based on APHA (2017), 5210 (B), 4500-O (C)	Songkhla
COD	mg/L	-	5	13	No Standard	Based on APHA (2017), 5220 D	Songkhla
Oil & Grease	mg/L	-	3	<3	≤20	Based on APHA (2017), 5520 B	Songkhla
pH at 25 degree C		-	-	7.4	5.0-9.0	Based on APHA (2017), 4500-H (B)	Songkhla
Residual Free Chlorine	mg/L	-	0.1	0.7	No Standard	APHA (2017), 4500-Cl (F)	Songkhla
Settleable Solid *	mL/L/hr	-	0.1	<0.1	≤0.5	Based on APHA (2017), 2540 F	Songkhla
Sulfide *	mg/L	-	0.5	0.6	≤1	Based on APHA (2017), 4500-S2 (C), (F)	Songkhla
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	188	No Standard	APHA (2017), 2540 C	Songkhla
Total Kjeldahl Nitrogen as N *	mg/L	0.15	1.0	20.0	≤35	Based on APHA (2017), 4500-Norg (C)	Bangkok
Total Suspended Solids	mg/L	-	5	8	≤30	APHA (2017), 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.

**Note :** สารละลายได้ทั้งหมดในน้ำใช้ = 78 mg/L

**Sampled By :** Yuttapong Rattana

Remark :

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Chompoonuch Funtha  
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## Analysis / Test Report

TESTING  
No.0166

**Client :** Bangkok Phuket Hospital Co., Ltd.  
89/8, 89/9 Moo 2, Vichit, Muang, Phuket Thailand 83000  
**P/O :** 051-4305329329  
**Project Name :** Dibuk Hospital  
**Project Location :**

**Lot ID: 22142429**

Date Received : Dec 08, 2022

Date Reported : Dec 17, 2022

Report Number : 2523260-1

Page 1 of 1

<b>Sample Number</b>	22142429-2
<b>Sampled Date</b>	Dec 07, 2022 11:20 AM
<b>Sample Description</b>	Influent Water
<b>Location</b>	Influent Water Tank
<b>Date Analysis Commenced</b>	Dec 08, 2022
<b>Condition of Sample</b>	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	Method	Testing Location
<b>Water Testing</b>						
BOD *	mg/L	-	2	10	Based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B	Songkhla
COD	mg/L	-	5	93	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Songkhla
Oil & Grease	mg/L	-	3	<3	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	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	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 F	Songkhla
Sulfide *	mg/L	-	0.5	1.2	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 180 degree C	mg/L	-	5	168	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	73.9	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Norg (C)	Bangkok
Total Suspended Solids	mg/L	-	5	24	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Songkhla

### Sampling By :

Remark :

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## Analysis / Test Report

TESTING  
No.0166

**Lot ID: 22142429**

Date Received : Dec 08, 2022

Date Reported : Dec 17, 2022

Report Number : 2523261-1

Page 1 of 2

**Client :** Bangkok Phuket Hospital Co., Ltd.  
89/8, 89/9 Moo 2, Vichit, Muang, Phuket Thailand 83000  
**P/O :** 051-4305329329  
**Project Name :** Dibuk Hospital  
**Project Location :**

<b>Sample Number</b>	22142429-3
<b>Sampled Date</b>	Dec 07, 2022 11:28 AM
<b>Sample Description</b>	Effluent Water
<b>Location</b>	Effluent Water Tank
<b>Date Analysis Commenced</b>	Dec 08, 2022
<b>Condition of Sample</b>	Contained in one amber glass bottle and six plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Microbiological Testing</b>							
<i>Escherichia coli</i>	MPN/100mL	-	-	<1.8	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B, F	Songkhla
Fecal Coliform	MPN/100mL	-	-	<1.8	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B, E	Songkhla
Total Coliform	MPN/100mL	-	-	<1.8	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B	Songkhla
<b>Water Testing</b>							
BOD *	mg/L	-	2	4	≤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	-	5	46	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	<3	≤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		-	-	7.1	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
Residual Free Chlorine	mg/L	-	0.1	0.6	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Cl (F)	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

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## Analysis / Test Report

TESTING  
No.0166

**Client :** Bangkok Phuket Hospital Co., Ltd.  
89/8, 89/9 Moo 2, Vichit, Muang, Phuket Thailand 83000  
**P/O :** 051-4305329329  
**Project Name :** Dibuk Hospital  
**Project Location :**

**Lot ID: 22142429**  
Date Received : Dec 08, 2022  
Date Reported : Dec 17, 2022  
Report Number : 2523261-1

Page 2 of 2

<b>Sample Number</b>	22142429-3
<b>Sampled Date</b>	Dec 07, 2022 11:28 AM
<b>Sample Description</b>	Effluent Water
<b>Location</b>	Effluent Water Tank
<b>Date Analysis Commenced</b>	Dec 08, 2022
<b>Condition of Sample</b>	Contained in one amber glass bottle and six plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
<b>Water Testing</b>							
Sulfide *	mg/L	-	0.5	0.6	≤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 180 degree C	mg/L	-	5	320	No Standard	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	4.2	≤35	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Norg (C)	Bangkok
Total Suspended Solids	mg/L	-	5	18	≤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.

**Note :** สารที่ละลายได้ทั้งหมดในน้ำใช้ = 104 มิลลิกรัมต่อลิตร

### Sampling By :

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