

ภาคผนวก ค

ใบรายงานผลวิเคราะห์

ผลการตรวจวัดคุณภาพอากาศในบรรยากาศโดยทั่วไป



Analysis / Test Report

TESTING
No.0009

Client : Stone Bitter Co., Ltd.
111 Soi Chengtalay 16, Srisoonthorn Road, Chengtalay, Thalang, Phuket Thailand
83110
P/O : สัญญาจ้าง
Project Name : Hilton Garden Inn Phuket Bangtao
Project Location :

Lot ID: 24126724

Date Received : Nov 16, 2024
Date Reported : Nov 22, 2024
Report Number : 3156253-1

Page 1 of 1

Sample Number 24126724-1
Sampled Date Nov 14, 2024
Sample Description Air Quality
Location ที่จอดรถยนต์ภายนอกอาคาร (GPS 47N 0422851, 883964)
Date Analysis Commenced Nov 18, 2024
Condition of Sample Drawn into one glass filter paper (8x10 inch) placed in plastic bag and one quartz filter paper (8x10 inch) placed in plastic bag
Barometric Pressure 756 mmHg
Atmospheric Temperature 32.0 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Particulate matter as PM 10	14/11/24 - 15/11/24	mg/m3	-	0.005	0.034	0.12	In - house method : STM 04-052 based on U.S. Environmental Protection Agency 40 CFR, method 50, Appendix J, revised as of July 1, 2008 (Include sampling)	NEB No.24 Bangkok	
Total Suspended Particulate	14/11/24 - 15/11/24	mg/m3	-	0.005	0.084	0.33	In - house method : STM 04-051 based on U.S. Environmental Protection Agency 40 CFR, method 50, Appendix B, revised as of July 1, 2008 (Include sampling)	NEB No.24 Bangkok	

Guideline :

NEB No.24 : Notification of the National Environmental Board. No.24, 2004 (B.E.2547) dated September 22, 2004

Sampled By : Yongsil Rangsee

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.

Approved by

Saranya C.

Saranya Chalermthamrong
Scientist (4)

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. No part of this report 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.

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Analysis / Test Report

Client : Stone Bitter Co., Ltd.

111 Soi Chengtalay 16, Srisoonthorn Road, Chengtalay, Thalang, Phuket Thailand
83110

P/O : สัญญาจ้าง

Project Name : Hilton Garden Inn Phuket Bangtao

Project Location :

Lot ID: 24126721

Date Received : Nov 16, 2024

Date Reported : Nov 20, 2024

Report Number: 3156247-1

Page 1 of 1

Sample Description	Air Quality						
Location	ที่จอดรถยนต์ภายนอกอาคาร (GPS 47N 0422851, 883964)						
Parameter	Nitrogen dioxide (ppm)						
Measurement Date	Nov 14, 2024 - Nov 15, 2024						
Measurement by	Yongsil Rangsee						
	24126721-1	-	-	-	-	-	-
Time	Nov 14, 2024	-	-	-	-	-	-
10:00 AM - 11:00 AM	0.0089	-	-	-	-	-	-
11:00 AM - 12:00 PM	0.0082	-	-	-	-	-	-
12:00 PM - 01:00 PM	0.0132	-	-	-	-	-	-
01:00 PM - 02:00 PM	0.0146	-	-	-	-	-	-
02:00 PM - 03:00 PM	0.0374	-	-	-	-	-	-
03:00 PM - 04:00 PM	0.0112	-	-	-	-	-	-
04:00 PM - 05:00 PM	0.0244	-	-	-	-	-	-
05:00 PM - 06:00 PM	0.0370	-	-	-	-	-	-
06:00 PM - 07:00 PM	0.0368	-	-	-	-	-	-
07:00 PM - 08:00 PM	0.0083	-	-	-	-	-	-
08:00 PM - 09:00 PM	0.0096	-	-	-	-	-	-
09:00 PM - 10:00 PM	0.0123	-	-	-	-	-	-
10:00 PM - 11:00 PM	0.0029	-	-	-	-	-	-
11:00 PM - 12:00 AM	0.0029	-	-	-	-	-	-
12:00 AM - 01:00 AM	0.0036	-	-	-	-	-	-
01:00 AM - 02:00 AM	0.0033	-	-	-	-	-	-
02:00 AM - 03:00 AM	0.0038	-	-	-	-	-	-
03:00 AM - 04:00 AM	0.0027	-	-	-	-	-	-
04:00 AM - 05:00 AM	0.0048	-	-	-	-	-	-
05:00 AM - 06:00 AM	0.0129	-	-	-	-	-	-
06:00 AM - 07:00 AM	0.0098	-	-	-	-	-	-
07:00 AM - 08:00 AM	0.0524	-	-	-	-	-	-
08:00 AM - 09:00 AM	0.0086	-	-	-	-	-	-
09:00 AM - 10:00 AM	0.0285	-	-	-	-	-	-
Average	0.0149	-	-	-	-	-	-
1hr - Maximum	0.0524	-	-	-	-	-	-
Standard 1hr - Average	0.170	-	-	-	-	-	-

Standard : Notification of the National Environment Board No. 33, 2009 (B.E. 2552).

Reference Method : US EPAMethod Part 50 App. F (Chemiluminescence)

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Approved by

Orawan R.

Orawan Rakyong

Scientist (3)

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83110

P/O : สัญญาจ้าง

Project Name : Hilton Garden Inn Phuket Bangtao

Project Location :

Lot ID: 24126722

Date Received : Nov 16, 2024

Date Reported : Nov 20, 2024

Report Number: 3156248-1

Page 1 of 1

Sample Description	Air Quality						
Location	ที่จอดรถยนต์ภายนอกอาคาร (GPS 47N 0422851, 883964)						
Parameter	Sulfur Dioxide (ppm)						
Measurement Date	Nov 14, 2024 - Nov 15, 2024						
Measurement by	Yongsil Rangsee						
	24126722-1	-	-	-	-	-	-
Time	Nov 14, 2024	-	-	-	-	-	-
10:00 AM - 11:00 AM	0.0052	-	-	-	-	-	-
11:00 AM - 12:00 PM	0.0050	-	-	-	-	-	-
12:00 PM - 01:00 PM	0.0049	-	-	-	-	-	-
01:00 PM - 02:00 PM	0.0048	-	-	-	-	-	-
02:00 PM - 03:00 PM	0.0049	-	-	-	-	-	-
03:00 PM - 04:00 PM	0.0047	-	-	-	-	-	-
04:00 PM - 05:00 PM	0.0050	-	-	-	-	-	-
05:00 PM - 06:00 PM	0.0054	-	-	-	-	-	-
06:00 PM - 07:00 PM	0.0054	-	-	-	-	-	-
07:00 PM - 08:00 PM	0.0054	-	-	-	-	-	-
08:00 PM - 09:00 PM	0.0054	-	-	-	-	-	-
09:00 PM - 10:00 PM	0.0054	-	-	-	-	-	-
10:00 PM - 11:00 PM	0.0054	-	-	-	-	-	-
11:00 PM - 12:00 AM	0.0054	-	-	-	-	-	-
12:00 AM - 01:00 AM	0.0054	-	-	-	-	-	-
01:00 AM - 02:00 AM	0.0052	-	-	-	-	-	-
02:00 AM - 03:00 AM	0.0054	-	-	-	-	-	-
03:00 AM - 04:00 AM	0.0054	-	-	-	-	-	-
04:00 AM - 05:00 AM	0.0054	-	-	-	-	-	-
05:00 AM - 06:00 AM	0.0053	-	-	-	-	-	-
06:00 AM - 07:00 AM	0.0053	-	-	-	-	-	-
07:00 AM - 08:00 AM	0.0052	-	-	-	-	-	-
08:00 AM - 09:00 AM	0.0055	-	-	-	-	-	-
09:00 AM - 10:00 AM	0.0053	-	-	-	-	-	-
Average	0.0052	-	-	-	-	-	-
1hr - Maximum	0.0055	-	-	-	-	-	-
Standard 1hr - Average	0.3	-	-	-	-	-	-
Standard 24 hrs - Average	0.12	-	-	-	-	-	-

Standard : Notification of the National Environment Board No.10, 1995 (B.E.2538), No. 21, 2001 (B.E.2544) and No.24, 2004 (B.E.2547).

Reference Method : US EPA Method Part 53 and 58

Approved by

Orawan R.

Orawan Rakyong

Scientist (3)

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111 Soi Chengtalay 16, Srisoonthorn Road, Chengtalay, Thalang, Phuket Thailand
83110

P/O : สัญญาจ้าง

Project Name : Hilton Garden Inn Phuket Bangtao

Project Location :

Lot ID: 24126713

Date Received : Nov 16, 2024

Date Reported : Nov 20, 2024

Report Number: 3156245-1

Page 1 of 1

Sample Description	Air Quality						
Location	ที่จอดรถยนต์ภายนอกอาคาร (GPS 47N 0422851, 883964)						
Parameter	Carbon monoxide (ppm)						
Measurement Date	Nov 14, 2024 - Nov 15, 2024						
Measurement by	Yongsil Rangsee						
	24126713-1	-	-	-	-	-	-
Time	Nov 14, 2024	-	-	-	-	-	-
10:00 AM - 11:00 AM	0.3	-	-	-	-	-	-
11:00 AM - 12:00 PM	0.3	-	-	-	-	-	-
12:00 PM - 01:00 PM	0.3	-	-	-	-	-	-
01:00 PM - 02:00 PM	0.3	-	-	-	-	-	-
02:00 PM - 03:00 PM	0.3	-	-	-	-	-	-
03:00 PM - 04:00 PM	0.3	-	-	-	-	-	-
04:00 PM - 05:00 PM	0.3	-	-	-	-	-	-
05:00 PM - 06:00 PM	0.3	-	-	-	-	-	-
06:00 PM - 07:00 PM	0.4	-	-	-	-	-	-
07:00 PM - 08:00 PM	0.4	-	-	-	-	-	-
08:00 PM - 09:00 PM	0.4	-	-	-	-	-	-
09:00 PM - 10:00 PM	0.4	-	-	-	-	-	-
10:00 PM - 11:00 PM	0.4	-	-	-	-	-	-
11:00 PM - 12:00 AM	0.4	-	-	-	-	-	-
12:00 AM - 01:00 AM	0.5	-	-	-	-	-	-
01:00 AM - 02:00 AM	0.4	-	-	-	-	-	-
02:00 AM - 03:00 AM	0.4	-	-	-	-	-	-
03:00 AM - 04:00 AM	0.3	-	-	-	-	-	-
04:00 AM - 05:00 AM	0.3	-	-	-	-	-	-
05:00 AM - 06:00 AM	0.2	-	-	-	-	-	-
06:00 AM - 07:00 AM	0.2	-	-	-	-	-	-
07:00 AM - 08:00 AM	0.2	-	-	-	-	-	-
08:00 AM - 09:00 AM	0.2	-	-	-	-	-	-
09:00 AM - 10:00 AM	0.3	-	-	-	-	-	-
Average	0.3	-	-	-	-	-	-
1hr - Maximum	0.5	-	-	-	-	-	-
Standard 1hr - Average	30	-	-	-	-	-	-

Standard : Notification of the National Environmental Board. No.10, 1995 (B.E.2538).

Reference Method : EPA 40 CFR Part 50Appendix C

Approved by

Orawan R.

Orawan Rakyong

Scientist (3)

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111 Soi Chengtalay 16, Srisoonthorn Road, Chengtalay, Thalang, Phuket Thailand
83110

P/O : สัญญาจ้าง

Project Name : Hilton Garden Inn Phuket Bangtao

Project Location :

Lot ID: 24126723

Date Received : Nov 16, 2024

Date Reported : Nov 25, 2024

Report Number: 3156251-1

Page 1 of 1

Sample Description	Air Quality
Location	ที่จอดรถยนต์ภายนอกอาคาร (GPS 47N 0422851, 883964)
Parameter	Total Hydrocarbon (ppm)
Measurement Date	Nov 14, 2024 - Nov 15, 2024
Measurement by	Yongsil Rangsee

	24126723-1	-	-	-	-	-	-
Time	Nov 14, 2024	-	-	-	-	-	-
10:00 AM - 11:00 AM	2.21	-	-	-	-	-	-
11:00 AM - 12:00 PM	2.44	-	-	-	-	-	-
12:00 PM - 01:00 PM	2.84	-	-	-	-	-	-
01:00 PM - 02:00 PM	2.59	-	-	-	-	-	-
02:00 PM - 03:00 PM	2.41	-	-	-	-	-	-
03:00 PM - 04:00 PM	2.47	-	-	-	-	-	-
04:00 PM - 05:00 PM	2.56	-	-	-	-	-	-
05:00 PM - 06:00 PM	2.46	-	-	-	-	-	-
06:00 PM - 07:00 PM	2.57	-	-	-	-	-	-
07:00 PM - 08:00 PM	2.51	-	-	-	-	-	-
08:00 PM - 09:00 PM	2.60	-	-	-	-	-	-
09:00 PM - 10:00 PM	2.51	-	-	-	-	-	-
10:00 PM - 11:00 PM	2.46	-	-	-	-	-	-
11:00 PM - 12:00 AM	2.52	-	-	-	-	-	-
12:00 AM - 01:00 AM	2.66	-	-	-	-	-	-
01:00 AM - 02:00 AM	2.75	-	-	-	-	-	-
02:00 AM - 03:00 AM	2.74	-	-	-	-	-	-
03:00 AM - 04:00 AM	2.69	-	-	-	-	-	-
04:00 AM - 05:00 AM	2.66	-	-	-	-	-	-
05:00 AM - 06:00 AM	2.60	-	-	-	-	-	-
06:00 AM - 07:00 AM	2.47	-	-	-	-	-	-
07:00 AM - 08:00 AM	2.57	-	-	-	-	-	-
08:00 AM - 09:00 AM	2.47	-	-	-	-	-	-
09:00 AM - 10:00 AM	2.33	-	-	-	-	-	-
Average	2.55	-	-	-	-	-	-
1hr - Maximum	2.84	-	-	-	-	-	-

Reference Method : Total Hydrocarbon Analyzer (FID)

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. No part of this report 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.

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Orawan R.

Orawan Rakyong

Scientist (3)

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ผลการตรวจวิเคราะห์คุณภาพน้ำทิ้ง



Analysis / Test Report

TESTING
No.0166

Client : Stone Bitter Co., Ltd.
111 Soi Chengtalay 16, Srisoonthorn Road, Chengtalay, Talang, Phuket Thailand 83110

P/O : สัญญาจ้าง

Project Name : Hilton Garden Inn Phuket Bangtao

Project Location :

Lot ID: 2469055

Date Received : Jul 27, 2024

Date Reported : Aug 07, 2024

Report Number : 3075113-1

Page 1 of 2

Sample Number	2469055-5						
Sampled Date	Jul 26, 2024 2:45 PM						
Sample Description	น้ำระบบบำบัดน้ำเสีย						
Location	น้ำทิ้งก่อนเข้าระบบบ่อที่ 1						
Date Analysis Commenced	Jul 27, 2024						
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	-	-	160000000.0	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B, E	Songkhla
Water Testing							
BOD (5 days at 20 degree C)	mg/L	-	2.0	6135	≤30	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Songkhla
Oil & Grease	mg/L	-	3	926	≤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		-	-	6.1	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
Settleable Solid *	mL/L/hr	-	0.1	250	≤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	24.2	≤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	528	(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	749	≤35	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Norg (C)	Bangkok

Approved by

Ananta B.

Ananta Boonphet
Scientist (2)

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Analysis / Test Report

TESTING
No.0166

Client : Stone Bitter Co., Ltd.
111 Soi Chengtalay 16, Srisoonthorn Road, Chengtalay, Thalang, Phuket Thailand 83110

P/O : สัญญาจ้าง

Project Name : Hilton Garden Inn Phuket Bangtao

Project Location :

Lot ID: 2469055

Date Received : Jul 27, 2024

Date Reported : Aug 07, 2024

Report Number : 3075113-1

Page 2 of 2

Sample Number	2469055-5						
Sampled Date	Jul 26, 2024 2:45 PM						
Sample Description	น้ำระบบบำบัดน้ำเสีย						
Location	น้ำทิ้งก่อนเข้าระบบบ่อที่ 1						
Date Analysis Commenced	Jul 27, 2024						
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							
Total Suspended Solids	mg/L	-	5	12920	≤40	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 B.

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

Note : สารละลายได้ทั้งหมดในน้ำใช้ = 96 มิลลิกรัมต่อลิตร

Sampling By : Yuttapong Rattana , Sakkarin Panpheng

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.

Approved by

Ananta B.

Ananta Boonphet
Scientist (2)

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Analysis / Test Report

TESTING
No.0166

Client : Stone Bitter Co., Ltd.
111 Soi Chengtalay 16, Srisoonthorn Road, Chengtalay, Talang, Phuket Thailand 83110

P/O : สัญญาจ้าง

Project Name : Hilton Garden Inn Phuket Bangtao

Project Location :

Lot ID: 2469055

Date Received : Jul 27, 2024

Date Reported : Aug 07, 2024

Report Number : 3075114-1

Page 1 of 2

Sample Number	2469055-6
Sampled Date	Jul 26, 2024 2:22 PM
Sample Description	น้ำระบบบำบัดน้ำเสีย
Location	บ่อกักน้ำทิ้งก่อนปล่อยออกสู่สาธารณะบ่อ 1
Date Analysis Commenced	Jul 27, 2024
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	-	-	940000.0	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B, E	Songkhla
Water Testing							
BOD (5 days at 20 degree C)	mg/L	-	2.0	196	≤30	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Songkhla
Oil & Grease	mg/L	-	3	4	≤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		-	-	7.8	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	0.8	≤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	324	(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	84.1	≤35	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Norg (C)	Bangkok

Approved by

Ananta B.

Ananta Boonphet
Scientist (2)

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Analysis / Test Report

TESTING
No.0166

Client : Stone Bitter Co., Ltd.
111 Soi Chengtalay 16, Srisoonthorn Road, Chengtalay, Talang, Phuket Thailand 83110

P/O : สัญญาจ้าง

Project Name : Hilton Garden Inn Phuket Bangtao

Project Location :

Lot ID: 2469055

Date Received : Jul 27, 2024

Date Reported : Aug 07, 2024

Report Number : 3075114-1

Page 2 of 2

Sample Number	2469055-6						
Sampled Date	Jul 26, 2024 2:22 PM						
Sample Description	น้ำระบบบำบัดน้ำเสีย						
Location	บ่อพักน้ำทิ้งก่อนปล่อยออกสู่สาธารณะบ่อ 1						
Date Analysis Commenced	Jul 27, 2024						
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							
Total Suspended Solids	mg/L	-	5	61	≤40	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 B.

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

Note : สารที่ละลายได้ทั้งหมดในน้ำใช้ = 96 มิลลิกรัมต่อลิตร

Sampling By : Yuttapong Rattana , Sakkarin Panpheng

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.
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Approved by

Ananta B.

Ananta Boonphet
Scientist (2)

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Analysis / Test Report

TESTING
No.0166

Client : Stone Bitter Co., Ltd.
111 Soi Chengtalay 16, Srisoonthorn Road, Chengtalay, Talang, Phuket Thailand 83110

P/O : สัญญาจ้าง

Project Name : Hilton Garden Inn Phuket Bangtao

Project Location :

Lot ID: 2469055

Date Received : Jul 27, 2024

Date Reported : Aug 07, 2024

Report Number : 3075115-1

Page 1 of 2

Sample Number	2469055-7						
Sampled Date	Jul 26, 2024 2:53 PM						
Sample Description	น้ำระบบบำบัดน้ำเสีย						
Location	น้ำทิ้งก่อนเข้าระบบบ่อที่ 2						
Date Analysis Commenced	Jul 27, 2024						
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	-	-	7000000.0	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B, E	Songkhla
Water Testing							
BOD (5 days at 20 degree C)	mg/L	-	2.0	855	≤30	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Songkhla
Oil & Grease	mg/L	-	3	369	≤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		-	-	6.5	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	40.0	≤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	12.9	≤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	416	(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	105	≤35	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Norg (C)	Bangkok

Approved by

Ananta B.

Ananta Boonphet
Scientist (2)

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Analysis / Test Report

TESTING
No.0166

Client : Stone Bitter Co., Ltd.
111 Soi Chengtalay 16, Srisoonthorn Road, Chengtalay, Thalang, Phuket Thailand 83110

P/O : สัญญาจ้าง

Project Name : Hilton Garden Inn Phuket Bangtao

Project Location :

Lot ID: 2469055

Date Received : Jul 27, 2024

Date Reported : Aug 07, 2024

Report Number : 3075115-1

Page 2 of 2

Sample Number	2469055-7						
Sampled Date	Jul 26, 2024 2:53 PM						
Sample Description	น้ำระบบบำบัดน้ำเสีย						
Location	น้ำทิ้งก่อนเข้าระบบบ่อที่ 2						
Date Analysis Commenced	Jul 27, 2024						
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							
Total Suspended Solids	mg/L	-	5	1464	≤40	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 B.

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

Note : สารที่ละลายได้ทั้งหมดในน้ำใช้ = 96 มิลลิกรัมต่อลิตร

Sampling By : Yuttapong Rattana , Sakkarin Panpheng

Remark :

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
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Scientist (2)

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TESTING
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Client : Stone Bitter Co., Ltd.
111 Soi Chengtalay 16, Srisoonthorn Road, Chengtalay, Thalang, Phuket Thailand 83110

P/O : สัญญาจ้าง

Project Name : Hilton Garden Inn Phuket Bangtao

Project Location :

Lot ID: 2469055

Date Received : Jul 27, 2024

Date Reported : Aug 07, 2024

Report Number : 3075116-1

Page 1 of 2

Sample Number	2469055-8
Sampled Date	Jul 26, 2024 2:30 PM
Sample Description	น้ำระบบบำบัดน้ำเสีย
Location	บ่อกักน้ำทิ้งก่อนปล่อยออกสู่สาธารณะบ่อ 2
Date Analysis Commenced	Jul 27, 2024
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	-	-	790000.0	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B, E	Songkhla
Water Testing							
BOD (5 days at 20 degree C)	mg/L	-	2.0	82.7	≤30	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Songkhla
Oil & Grease	mg/L	-	3	4	≤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		-	-	7.5	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	1.6	≤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 103-105 degree C *	mg/L	-	5	272	(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	54.7	≤35	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Norg (C)	Bangkok

Approved by

Ananta B.

Ananta Boonphet
Scientist (2)

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Analysis / Test Report

TESTING
No.0166

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111 Soi Chengtalay 16, Srisoonthorn Road, Chengtalay, Thalang, Phuket Thailand 83110

P/O : สัญญาจ้าง

Project Name : Hilton Garden Inn Phuket Bangtao

Project Location :

Lot ID: 2469055

Date Received : Jul 27, 2024

Date Reported : Aug 07, 2024

Report Number : 3075116-1

Page 2 of 2

Sample Number	2469055-8						
Sampled Date	Jul 26, 2024 2:30 PM						
Sample Description	น้ำระบบบำบัดน้ำเสีย						
Location	บ่อพักน้ำทิ้งก่อนปล่อยออกสู่สาธารณะบ่อ 2						
Date Analysis Commenced	Jul 27, 2024						
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							
Total Suspended Solids	mg/L	-	5	57	≤40	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 B.

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

Note : สารที่ละลายได้ทั้งหมดในน้ำใช้ = 96 มิลลิกรัมต่อลิตร

Sampling By : Yuttapong Rattana , Sakkarin Panpheng

Remark :

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Ananta B.

Ananta Boonphet
Scientist (2)

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Analysis / Test Report

TESTING
No.0166

Client : Stone Bitter Co., Ltd.
111 Soi Chengtalay 16, Srisoonthorn Road, Chengtalay, Thalang, Phuket Thailand 83110
P/O : สัญญาจ้าง
Project Name : Hilton Garden Inn Phuket Bangtao
Project Location :

Lot ID: 2469055

Date Received : Jul 27, 2024
Date Reported : Aug 07, 2024
Report Number : 3075117-1

Page 1 of 1

Sample Number 2469055-9
Sampled Date Jul 26, 2024 2:16 PM
Sample Description น้ำไข
Location น้ำไขภายในโรงแรม
ก๊อคน้ำไขข้างป้อม รปภ.
Date Analysis Commenced Jul 29, 2024
Condition of Sample Contained in one plastic bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Water Testing						
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	96	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Songkhla

Sampling By : Yuttapong Rattana , Sakkarin Panpheng

Remark :

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Ananta B.

Ananta Boonphet
Scientist (2)

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Analysis / Test Report

TESTING
No.0166

Client : Stone Bitter Co., Ltd.
111 Soi Chengtalay 16, Srisoonthorn Road, Chengtalay, Thalang, Phuket Thailand 83110

P/O : สัญญาจ้าง

Project Name : Hilton Garden Inn Phuket Bangtao

Project Location :

Lot ID: 2481442

Date Received : Aug 31, 2024

Date Reported : Sep 10, 2024

Report Number : 3106283-1

Page 1 of 2

Sample Number	2481442-9						
Sampled Date	Aug 30, 2024 3:06 PM						
Sample Description	น้ำระบบบำบัดน้ำเสีย						
Location	น้ำทิ้งก่อนเข้าระบบบ่อที่ 1						
Date Analysis Commenced	Aug 31, 2024						
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	-	-	35000000.0	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B, E	Songkhla
Water Testing							
BOD (5 days at 20 degree C)	mg/L	-	2.0	1380	≤30	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Songkhla
Oil & Grease	mg/L	-	3	326	≤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		-	-	6.9	5.5-9.0	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	23.0	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 F	Songkhla
Sulfide *	mg/L	-	0.5	8.0	≤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 180 degree C	mg/L	-	5	440	≤1000	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	249	≤35	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Norg (C)	Bangkok

Approved by

Ananta B.

Ananta Boonphet
Scientist (2)

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Analysis / Test Report

TESTING
No.0166

Client : Stone Bitter Co., Ltd.
111 Soi Chengtalay 16, Srisoonthorn Road, Chengtalay, Thalang, Phuket Thailand 83110

P/O : สัญญาจ้าง

Project Name : Hilton Garden Inn Phuket Bangtao

Project Location :

Lot ID: 2481442

Date Received : Aug 31, 2024

Date Reported : Sep 10, 2024

Report Number : 3106283-1

Page 2 of 2

Sample Number	2481442-9						
Sampled Date	Aug 30, 2024 3:06 PM						
Sample Description	น้ำระบบบำบัดน้ำเสีย						
Location	น้ำทิ้งก่อนเข้าระบบบ่อที่ 1						
Date Analysis Commenced	Aug 31, 2024						
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							
Total Suspended Solids	mg/L	-	5	1896	≤40	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 B.E. 2567 on Effluent Control Standard from Types and Sized of Buildings, Type B.

Sampling By : Yuttapong Rattana , Sakkarin Panpheng

Remark :

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Scientist (2)

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TESTING
No.0166

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111 Soi Chengtalay 16, Srisoonthorn Road, Chengtalay, Thalang, Phuket Thailand 83110

P/O : สัญญาจ้าง

Project Name : Hilton Garden Inn Phuket Bangtao

Project Location :

Lot ID: 2481442

Date Received : Aug 31, 2024

Date Reported : Sep 10, 2024

Report Number : 3106284-1

Page 1 of 2

Sample Number	2481442-10						
Sampled Date	Aug 30, 2024 2:51 PM						
Sample Description	น้ำระบบบำบัดน้ำเสีย						
Location	บ่อพักน้ำทิ้งก่อนปล่อยออกสู่สาธารณะบ่อ 1						
Date Analysis Commenced	Aug 31, 2024						
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	-	-	490000.0	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B, E	Songkhla
Water Testing							
BOD (5 days at 20 degree C)	mg/L	-	2.0	83.8	≤30	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Songkhla
Oil & Grease	mg/L	-	3	6	≤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		-	-	7.9	5.5-9.0	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	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 F	Songkhla
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	292	≤1000	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	85.3	≤35	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Norg (C)	Bangkok

Approved by

Ananta B.

Ananta Boonphet
Scientist (2)

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Analysis / Test Report

TESTING
No.0166

Client : Stone Bitter Co., Ltd.
111 Soi Chengtalay 16, Srisoonthorn Road, Chengtalay, Talang, Phuket Thailand 83110

P/O : สัญญาจ้าง

Project Name : Hilton Garden Inn Phuket Bangtao

Project Location :

Lot ID: 2481442

Date Received : Aug 31, 2024

Date Reported : Sep 10, 2024

Report Number : 3106284-1

Page 2 of 2

Sample Number	2481442-10						
Sampled Date	Aug 30, 2024 2:51 PM						
Sample Description	น้ำระบบบำบัดน้ำเสีย						
Location	บ่อพักน้ำทิ้งก่อนปล่อยออกสู่สาธารณะบ่อ 1						
Date Analysis Commenced	Aug 31, 2024						
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							
Total Suspended Solids	mg/L	-	5	42	≤40	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 B.E. 2567 on Effluent Control Standard from Types and Sized of Buildings, Type B.

Sampling By : Yuttapong Rattana , Sakkarin Panpheng

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.

Approved by

Ananta B.

Ananta Boonphet
Scientist (2)

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Analysis / Test Report

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No.0166

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111 Soi Chengtalay 16, Srisoonthorn Road, Chengtalay, Thalang, Phuket Thailand 83110

P/O : สัญญาจ้าง

Project Name : Hilton Garden Inn Phuket Bangtao

Project Location :

Lot ID: 2481442

Date Received : Aug 31, 2024

Date Reported : Sep 10, 2024

Report Number : 3106285-1

Page 1 of 2

Sample Number	2481442-11						
Sampled Date	Aug 30, 2024 3:14 PM						
Sample Description	น้ำระบบบำบัดน้ำเสีย						
Location	น้ำทิ้งก่อนเข้าระบบบ่อที่ 2						
Date Analysis Commenced	Aug 31, 2024						
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	-	-	35000000.0	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B, E	Songkhla
Water Testing							
BOD (5 days at 20 degree C)	mg/L	-	2.0	816	≤30	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Songkhla
Oil & Grease	mg/L	-	3	310	≤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		-	-	6.6	5.5-9.0	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	20.0	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 F	Songkhla
Sulfide *	mg/L	-	0.5	4.8	≤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	328	≤1000	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	118	≤35	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Norg (C)	Bangkok

Approved by

Ananta B.

Ananta Boonphet
Scientist (2)

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Analysis / Test Report

TESTING
No.0166

Client : Stone Bitter Co., Ltd.
111 Soi Chengtalay 16, Srisoonthorn Road, Chengtalay, Thalang, Phuket Thailand 83110

P/O : สัญญาจ้าง

Project Name : Hilton Garden Inn Phuket Bangtao

Project Location :

Lot ID: 2481442

Date Received : Aug 31, 2024

Date Reported : Sep 10, 2024

Report Number : 3106285-1

Page 2 of 2

Sample Number	2481442-11						
Sampled Date	Aug 30, 2024 3:14 PM						
Sample Description	น้ำระบบบำบัดน้ำเสีย						
Location	น้ำทิ้งก่อนเข้าระบบบ่อที่ 2						
Date Analysis Commenced	Aug 31, 2024						
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							
Total Suspended Solids	mg/L	-	5	1244	≤40	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 B.E. 2567 on Effluent Control Standard from Types and Sized of Buildings, Type B.

Sampling By : Yuttapong Rattana , Sakkarin Panpheng

Remark :

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Approved by

Ananta B.

Ananta Boonphet
Scientist (2)

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TESTING
No.0166

Client : Stone Bitter Co., Ltd.
111 Soi Chengtalay 16, Srisoonthorn Road, Chengtalay, Thalang, Phuket Thailand 83110

P/O : สัญญาจ้าง

Project Name : Hilton Garden Inn Phuket Bangtao

Project Location :

Lot ID: 2481442

Date Received : Aug 31, 2024

Date Reported : Sep 10, 2024

Report Number : 3106286-1

Page 1 of 2

Sample Number	2481442-12						
Sampled Date	Aug 30, 2024 2:58 PM						
Sample Description	น้ำระบบบำบัดน้ำเสีย						
Location	บ่อพักน้ำทิ้งก่อนปล่อยออกสู่สาธารณะบ่อ 2						
Date Analysis Commenced	Aug 31, 2024						
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	-	-	3300000.0	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B, E	Songkhla
Water Testing							
BOD (5 days at 20 degree C)	mg/L	-	2.0	63.8	≤30	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, part 4500 - O G	Songkhla
Oil & Grease	mg/L	-	3	5	≤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		-	-	7.5	5.5-9.0	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	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 F	Songkhla
Sulfide *	mg/L	-	0.5	<0.5	≤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	248	≤1000	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	50.1	≤35	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Norg (C)	Bangkok

Approved by

Ananta B.

Ananta Boonphet
Scientist (2)

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TESTING
No.0166

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111 Soi Chengtalay 16, Srisoonthorn Road, Chengtalay, Thalang, Phuket Thailand 83110

P/O : สัญญาจ้าง

Project Name : Hilton Garden Inn Phuket Bangtao

Project Location :

Lot ID: 2481442

Date Received : Aug 31, 2024

Date Reported : Sep 10, 2024

Report Number : 3106286-1

Page 2 of 2

Sample Number	2481442-12						
Sampled Date	Aug 30, 2024 2:58 PM						
Sample Description	น้ำระบบบำบัดน้ำเสีย						
Location	บ่อพักน้ำทิ้งก่อนปล่อยออกสู่สาธารณะบ่อ 2						
Date Analysis Commenced	Aug 31, 2024						
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							
Total Suspended Solids	mg/L	-	5	47	≤40	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 B.E. 2567 on Effluent Control Standard from Types and Sized of Buildings, Type B.

Sampling By : Yuttapong Rattana , Sakkarin Panpheng

Remark :

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Approved by

Ananta B.

Ananta Boonphet
Scientist (2)

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P/O : สัญญาจ้าง

Project Name : Hilton Garden Inn Phuket Bangtao

Project Location :

Lot ID: 2481442

Date Received : Aug 31, 2024

Date Reported : Sep 10, 2024

Report Number : 3106287-1

Page 1 of 1

Sample Number	2481442-13
Sampled Date	Aug 30, 2024 2:00 PM
Sample Description	น้ำไข
Location	น้ำไขภายในโรงแรม ก่อหน้าข้างป้อม รปภ. ชั้นB1
Date Analysis Commenced	Sep 03, 2024
Condition of Sample	Contained in one plastic bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	69	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Songkhla

Guideline : Thai Industrial Standard No. 257-2549 refer to Notification of the Ministry of Industry No. 3470 (B.E. 2549).

Sampling By : Yuttapong Rattana , Sakkarin Panpheng

Remark :

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Approved by

Ananta B.

Ananta Boonphet
Scientist (2)

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Client : Stone Bitter Co., Ltd.
111 Soi Chengtalay 16, Srisoonthorn Road, Chengtalay, Talang, Phuket Thailand 83110

P/O : สัญญาจ้าง

Project Name : Hilton Garden Inn Phuket Bangtao

Project Location :

Lot ID: 2493983

Date Received : Sep 24, 2024

Date Reported : Oct 03, 2024

Report Number : 3128234-1

Page 1 of 2

Sample Number	2493983-5						
Sampled Date	Sep 23, 2024 2:52 PM						
Sample Description	น้ำระบบบำบัดน้ำเสีย						
Location	น้ำทิ้งก่อนเข้าระบบบ่อที่ 1						
Date Analysis Commenced	Sep 24, 2024						
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	-	-	54000000.0	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 9221 B, E	Songkhla
Water Testing							
BOD (5 days at 20 degree C)	mg/L	-	2.0	722	≤30	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Songkhla
Oil & Grease	mg/L	-	3	241	≤20	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Songkhla
pH at 25 degree C		-	-	7.1	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Songkhla
Settleable Solid *	mL/L/hr	-	0.1	35.0	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - F	Songkhla
Sulfide *	mg/L	-	0.5	11.2	≤1	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-S2 (C, F)	Songkhla
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	300	≤1000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Songkhla
Total Kjeldahl Nitrogen as N *	mg/L	0.15	1.0	137	≤35	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-Norg (C)	Bangkok

Approved by

Ananta B.

Ananta Boonphet
Scientist (2)

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Analysis / Test Report

TESTING
No.0166

Client : Stone Bitter Co., Ltd.
111 Soi Chengtalay 16, Srisoonthorn Road, Chengtalay, Talang, Phuket Thailand 83110

P/O : สัญญาจ้าง

Project Name : Hilton Garden Inn Phuket Bangtao

Project Location :

Lot ID: 2493983

Date Received : Sep 24, 2024

Date Reported : Oct 03, 2024

Report Number : 3128234-1

Page 2 of 2

Sample Number	2493983-5						
Sampled Date	Sep 23, 2024 2:52 PM						
Sample Description	น้ำระบบบำบัดน้ำเสีย						
Location	น้ำทิ้งก่อนเข้าระบบบ่อที่ 1						
Date Analysis Commenced	Sep 24, 2024						
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							
Total Suspended Solids	mg/L	-	5	1128	≤40	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Songkhla

Guideline : Notification of Ministry of Natural Resources and Environment B.E. 2567 on Effluent Control Standard from Types and Sized of Buildings, Type B.

Note : สารที่ละลายได้ทั้งหมดในน้ำใช้ = 78 มิลลิกรัมต่อลิตร

Sampling By : Thaksin Aintrom , Furakan Kasetka

Remark :

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Scientist (2)

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P/O : สัญญาจ้าง

Project Name : Hilton Garden Inn Phuket Bangtao

Project Location :

Lot ID: 2493983

Date Received : Sep 24, 2024

Date Reported : Oct 03, 2024

Report Number : 3128235-1

Page 1 of 2

Sample Number	2493983-6						
Sampled Date	Sep 23, 2024 2:36 PM						
Sample Description	น้ำระบบบำบัดน้ำเสีย						
Location	บ่อพักน้ำทั้งก่อนปล่อยออกสู่สาธารณะบ่อ 1						
Date Analysis Commenced	Sep 24, 2024						
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	-	-	4900000.0	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 9221 B, E	Songkhla
Water Testing							
BOD (5 days at 20 degree C)	mg/L	-	2.0	62.4	≤30	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Songkhla
Oil & Grease	mg/L	-	3	5	≤20	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Songkhla
pH at 25 degree C		-	-	7.7	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Songkhla
Settleable Solid *	mL/L/hr	-	0.1	0.1	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - F	Songkhla
Sulfide *	mg/L	-	0.5	0.8	≤1	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-S2 (C, F)	Songkhla
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	272	≤1000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Songkhla
Total Kjeldahl Nitrogen as N *	mg/L	0.15	1.0	75.3	≤35	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-Norg (C)	Bangkok

Approved by

Ananta B.

Ananta Boonphet
Scientist (2)

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Analysis / Test Report

TESTING
No.0166

Client : Stone Bitter Co., Ltd.
111 Soi Chengtalay 16, Srisoonthorn Road, Chengtalay, Thalang, Phuket Thailand 83110

P/O : สัญญาจ้าง

Project Name : Hilton Garden Inn Phuket Bangtao

Project Location :

Lot ID: 2493983

Date Received : Sep 24, 2024

Date Reported : Oct 03, 2024

Report Number : 3128235-1

Page 2 of 2

Sample Number	2493983-6						
Sampled Date	Sep 23, 2024 2:36 PM						
Sample Description	น้ำระบบบำบัดน้ำเสีย						
Location	บ่อพักน้ำทิ้งก่อนปล่อยออกสู่สาธารณะบ่อ 1						
Date Analysis Commenced	Sep 24, 2024						
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							
Total Suspended Solids	mg/L	-	5	70	≤40	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Songkhla

Guideline : Notification of Ministry of Natural Resources and Environment B.E. 2567 on Effluent Control Standard from Types and Sized of Buildings, Type B.

Note : สารที่ละลายได้ทั้งหมดในน้ำใช้ = 78 มิลลิกรัมต่อลิตร

Sampling By : Thaksin Aintrom , Furakan Kasetka

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.

Approved by

Ananta B.

Ananta Boonphet
Scientist (2)

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Analysis / Test Report

TESTING
No.0166

Client : Stone Bitter Co., Ltd.
111 Soi Chengtalay 16, Srisoonthorn Road, Chengtalay, Talang, Phuket Thailand 83110

P/O : สัญญาจ้าง

Project Name : Hilton Garden Inn Phuket Bangtao

Project Location :

Lot ID: 2493983

Date Received : Sep 24, 2024

Date Reported : Oct 03, 2024

Report Number : 3128236-1

Page 1 of 2

Sample Number	2493983-7						
Sampled Date	Sep 23, 2024 3:00 PM						
Sample Description	น้ำระบบบำบัดน้ำเสีย						
Location	น้ำทิ้งก่อนเข้าระบบบ่อที่ 2						
Date Analysis Commenced	Sep 24, 2024						
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	-	-	13000000.0	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 9221 B, E	Songkhla
Water Testing							
BOD (5 days at 20 degree C)	mg/L	-	2.0	516	≤30	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Songkhla
Oil & Grease	mg/L	-	3	246	≤20	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Songkhla
pH at 25 degree C		-	-	6.7	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Songkhla
Settleable Solid *	mL/L/hr	-	0.1	27.0	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - F	Songkhla
Sulfide *	mg/L	-	0.5	8.0	≤1	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-S2 (C, F)	Songkhla
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	292	≤1000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Songkhla
Total Kjeldahl Nitrogen as N *	mg/L	0.15	1.0	70.7	≤35	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-Norg (C)	Bangkok

Approved by

Ananta B.

Ananta Boonphet
Scientist (2)

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Analysis / Test Report

TESTING
No.0166

Client : Stone Bitter Co., Ltd.
111 Soi Chengtalay 16, Srisoonthorn Road, Chengtalay, Talang, Phuket Thailand 83110

P/O : สัญญาจ้าง

Project Name : Hilton Garden Inn Phuket Bangtao

Project Location :

Lot ID: 2493983

Date Received : Sep 24, 2024

Date Reported : Oct 03, 2024

Report Number : 3128236-1

Page 2 of 2

Sample Number	2493983-7						
Sampled Date	Sep 23, 2024 3:00 PM						
Sample Description	น้ำระบบบำบัดน้ำเสีย						
Location	น้ำทิ้งก่อนเข้าระบบบ่อที่ 2						
Date Analysis Commenced	Sep 24, 2024						
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							
Total Suspended Solids	mg/L	-	5	896	≤40	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Songkhla

Guideline : Notification of Ministry of Natural Resources and Environment B.E. 2567 on Effluent Control Standard from Types and Sized of Buildings, Type B.

Note : สารที่ละลายได้ทั้งหมดในน้ำใช้ = 78 มิลลิกรัมต่อลิตร

Sampling By : Thaksin Aintrom , Furakan Kasetka

Remark :

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Approved by

Ananta B.

Ananta Boonphet
Scientist (2)

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Analysis / Test Report

TESTING
No.0166

Client : Stone Bitter Co., Ltd.
111 Soi Chengtalay 16, Srisoonthorn Road, Chengtalay, Talang, Phuket Thailand 83110

P/O : สัญญาจ้าง

Project Name : Hilton Garden Inn Phuket Bangtao

Project Location :

Lot ID: 2493983

Date Received : Sep 24, 2024

Date Reported : Oct 03, 2024

Report Number : 3128237-1

Page 1 of 2

Sample Number	2493983-8						
Sampled Date	Sep 23, 2024 2:44 PM						
Sample Description	น้ำระบบบำบัดน้ำเสีย						
Location	บ่อพักน้ำทั้งก่อนปล่อยออกสู่สาธารณะบ่อ 2						
Date Analysis Commenced	Sep 24, 2024						
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	-	-	4900000.0	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 9221 B, E	Songkhla
Water Testing							
BOD (5 days at 20 degree C)	mg/L	-	2.0	104	≤30	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Songkhla
Oil & Grease	mg/L	-	3	5	≤20	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Songkhla
pH at 25 degree C		-	-	7.4	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Songkhla
Settleable Solid *	mL/L/hr	-	0.1	0.1	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - F	Songkhla
Sulfide *	mg/L	-	0.5	2.8	≤1	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-S2 (C, F)	Songkhla
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	260	≤1000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Songkhla
Total Kjeldahl Nitrogen as N *	mg/L	0.15	1.0	48.5	≤35	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-Norg (C)	Bangkok

Approved by

Ananta B.

Ananta Boonphet
Scientist (2)

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Analysis / Test Report

TESTING
No.0166

Client : Stone Bitter Co., Ltd.
111 Soi Chengtalay 16, Srisoonthorn Road, Chengtalay, Thalang, Phuket Thailand 83110

P/O : สัญญาจ้าง

Project Name : Hilton Garden Inn Phuket Bangtao

Project Location :

Lot ID: 2493983

Date Received : Sep 24, 2024

Date Reported : Oct 03, 2024

Report Number : 3128237-1

Page 2 of 2

Sample Number	2493983-8						
Sampled Date	Sep 23, 2024 2:44 PM						
Sample Description	น้ำระบบบำบัดน้ำเสีย						
Location	บ่อพักน้ำทิ้งก่อนปล่อยออกสู่สาธารณะบ่อ 2						
Date Analysis Commenced	Sep 24, 2024						
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							
Total Suspended Solids	mg/L	-	5	53	≤40	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Songkhla

Guideline : Notification of Ministry of Natural Resources and Environment B.E. 2567 on Effluent Control Standard from Types and Sized of Buildings, Type B.

Note : สารที่ละลายได้ทั้งหมดในน้ำใช้ = 78 มิลลิกรัมต่อลิตร

Sampling By : Thaksin Aintrom , Furakan Kasetka

Remark :

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Ananta B.

Ananta Boonphet
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Analysis / Test Report

TESTING
No.0166

Client : Stone Bitter Co., Ltd.
111 Soi Chengtalay 16, Srisoonthorn Road, Chengtalay, Thalang, Phuket Thailand 83110
P/O : สัญญาจ้าง
Project Name : Hilton Garden Inn Phuket Bangtao
Project Location :

Lot ID: 2493983

Date Received : Sep 24, 2024
Date Reported : Oct 03, 2024
Report Number : 3128238-1

Page 1 of 1

Sample Number 2493983-9
Sampled Date Sep 23, 2024 2:27 PM
Sample Description น้ำไข
Location น้ำไขภายในโรงแรม ก้อนน้ำไขข้างป้อม รปภ.
Date Analysis Commenced Sep 25, 2024
Condition of Sample Contained in one plastic bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Water Testing						
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	78	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Songkhla

Sampling By : Thaksin Aintrom , Furakan Kasetka

Remark :

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Approved by

Ananta B.

Ananta Boonphet
Scientist (2)

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Analysis / Test Report

TESTING
No.0166

Client : Stone Bitter Co., Ltd.
111 Soi Chengtalay 16, Srisoonthorn Road, Chengtalay, Talang, Phuket Thailand 83110
P/O : สัญญาจ้าง
Project Name : Hilton Garden Inn Phuket Bangtao
Project Location :

Lot ID: 24110201
Date Received : Oct 17, 2024
Date Reported : Oct 26, 2024
Report Number : 3147825-1

Page 1 of 2

Sample Number	24110201-5						
Sampled Date	Oct 16, 2024 3:00 PM						
Sample Description	น้ำระบมบำบัดน้ำเสีย						
Location	น้ำทิ้งก่อนเข้าระบบบ่อที่ 1						
Date Analysis Commenced	Oct 17, 2024						
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	-	-	35000000.0	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 9221 B, E	Songkhla
Water Testing							
BOD (5 days at 20 degree C)	mg/L	-	2.0	2202	≤30	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Songkhla
Oil & Grease	mg/L	-	3	535	≤20	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Songkhla
pH at 25 degree C		-	-	6.2	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Songkhla
Settleable Solid *	mL/L/hr	-	0.1	480	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 F	Songkhla
Sulfide *	mg/L	-	0.5	15.9	≤1	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-S2 (C, F)	Songkhla
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	356	≤1000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Songkhla
Total Kjeldahl Nitrogen as N *	mg/L	0.15	1.0	920	≤35	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-Norg (C)	Bangkok

Approved by

Chompoonuch F.

Chompoonuch Funtha
Supervisor

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Analysis / Test Report

TESTING
No.0166

Client : Stone Bitter Co., Ltd.
111 Soi Chengtalay 16, Srisoonthorn Road, Chengtalay, Talang, Phuket Thailand 83110
P/O : สัญญาจ้าง
Project Name : Hilton Garden Inn Phuket Bangtao
Project Location :

Lot ID: 24110201
Date Received : Oct 17, 2024
Date Reported : Oct 26, 2024
Report Number : 3147825-1

Page 2 of 2

Sample Number	24110201-5						
Sampled Date	Oct 16, 2024 3:00 PM						
Sample Description	น้ำระบอบบำบัดน้ำเสีย						
Location	น้ำทิ้งก่อนเข้าระบบบ่อที่ 1						
Date Analysis Commenced	Oct 17, 2024						
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							
Total Suspended Solids	mg/L	-	5	10480	≤40	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Songkhla

Guideline : Notification of Ministry of Natural Resources and Environment B.E. 2567 on Effluent Control Standard from Types and Sized of Buildings, Type B.

Sampling By : Sakkarin Panpheng

Remark :

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Approved by

Chompoonuch F.

Chompoonuch Funtha
Supervisor

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Analysis / Test Report

TESTING
No.0166

Client : Stone Bitter Co., Ltd.
111 Soi Chengtalay 16, Srisoonthorn Road, Chengtalay, Talang, Phuket Thailand 83110
P/O : สัญญาจ้าง
Project Name : Hilton Garden Inn Phuket Bangtao
Project Location :

Lot ID: 24110201
Date Received : Oct 17, 2024
Date Reported : Oct 26, 2024
Report Number : 3147826-1

Page 1 of 2

Sample Number	24110201-6						
Sampled Date	Oct 16, 2024 2:40 PM						
Sample Description	น้ำระบมบำบัดน้ำเสีย						
Location	บ่อกักน้ำทิ้งก่อนปล่อยออกสู่สาธารณะบ่อ 1						
Date Analysis Commenced	Oct 17, 2024						
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	-	-	2400000.0	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 9221 B, E	Songkhla
Water Testing							
BOD (5 days at 20 degree C)	mg/L	-	2.0	100	≤30	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Songkhla
Oil & Grease	mg/L	-	3	12	≤20	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Songkhla
pH at 25 degree C		-	-	7.7	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Songkhla
Settleable Solid *	mL/L/hr	-	0.1	<0.1	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 F	Songkhla
Sulfide *	mg/L	-	0.5	1.2	≤1	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-S2 (C, F)	Songkhla
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	288	≤1000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Songkhla
Total Kjeldahl Nitrogen as N *	mg/L	0.15	1.0	61.3	≤35	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-Norg (C)	Bangkok

Approved by

Chompoonuch F.

Chompoonuch Funtha
Supervisor

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Analysis / Test Report

TESTING
No.0166

Client : Stone Bitter Co., Ltd.
111 Soi Chengtalay 16, Srisoonthorn Road, Chengtalay, Talang, Phuket Thailand 83110
P/O : สัญญาจ้าง
Project Name : Hilton Garden Inn Phuket Bangtao
Project Location :

Lot ID: 24110201
Date Received : Oct 17, 2024
Date Reported : Oct 26, 2024
Report Number : 3147826-1

Page 2 of 2

Sample Number	24110201-6						
Sampled Date	Oct 16, 2024 2:40 PM						
Sample Description	น้ำระบอบบำบัดน้ำเสีย						
Location	บ่อกักน้ำทิ้งก่อนปล่อยออกสู่สาธารณะบ่อ 1						
Date Analysis Commenced	Oct 17, 2024						
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							
Total Suspended Solids	mg/L	-	5	42	≤40	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Songkhla

Guideline : Notification of Ministry of Natural Resources and Environment B.E. 2567 on Effluent Control Standard from Types and Sized of Buildings, Type B.

Sampling By : Sakkarin Panpheng

Remark :

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- Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025.
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Approved by

Chompoonuch F.

Chompoonuch Funtha
Supervisor

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Analysis / Test Report

TESTING
No.0166

Client : Stone Bitter Co., Ltd.
111 Soi Chengtalay 16, Srisoonthorn Road, Chengtalay, Talang, Phuket Thailand 83110
P/O : สัญญาจ้าง
Project Name : Hilton Garden Inn Phuket Bangtao
Project Location :

Lot ID: 24110201
Date Received : Oct 17, 2024
Date Reported : Oct 26, 2024
Report Number : 3147827-1

Page 1 of 2

Sample Number	24110201-7						
Sampled Date	Oct 16, 2024 3:15 PM						
Sample Description	น้ำระบมบ้ำัดน้ำเสีย						
Location	น้ำทิ้งก่อนเข้าระบบบ่อที่ 2						
Date Analysis Commenced	Oct 17, 2024						
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	-	-	11000000.0	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 9221 B, E	Songkhla
Water Testing							
BOD (5 days at 20 degree C)	mg/L	-	2.0	1212	≤30	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Songkhla
Oil & Grease	mg/L	-	3	225	≤20	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Songkhla
pH at 25 degree C		-	-	6.8	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Songkhla
Settleable Solid *	mL/L/hr	-	0.1	40.0	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 F	Songkhla
Sulfide *	mg/L	-	0.5	9.6	≤1	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-S2 (C, F)	Songkhla
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	408	≤1000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Songkhla
Total Kjeldahl Nitrogen as N *	mg/L	0.15	1.0	61.9	≤35	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-Norg (C)	Bangkok

Approved by

Chompoonuch F.

Chompoonuch Funtha
Supervisor

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Analysis / Test Report

TESTING
No.0166

Client : Stone Bitter Co., Ltd.
111 Soi Chengtalay 16, Srisoonthorn Road, Chengtalay, Thalang, Phuket Thailand 83110
P/O : สัญญาจ้าง
Project Name : Hilton Garden Inn Phuket Bangtao
Project Location :

Lot ID: 24110201
Date Received : Oct 17, 2024
Date Reported : Oct 26, 2024
Report Number : 3147827-1

Page 2 of 2

Sample Number	24110201-7						
Sampled Date	Oct 16, 2024 3:15 PM						
Sample Description	น้ำระบอบบำบัดน้ำเสีย						
Location	น้ำทิ้งก่อนเข้าระบบบ่อที่ 2						
Date Analysis Commenced	Oct 17, 2024						
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							
Total Suspended Solids	mg/L	-	5	506	≤40	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Songkhla

Guideline : Notification of Ministry of Natural Resources and Environment B.E. 2567 on Effluent Control Standard from Types and Sized of Buildings, Type B.

Sampling By : Sakkarin Panpheng

Remark :

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Chompoonuch Funtha
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TESTING
No.0166

Client : Stone Bitter Co., Ltd.
111 Soi Chengtalay 16, Srisoonthorn Road, Chengtalay, Thalang, Phuket Thailand 83110
P/O : สัญญาจ้าง
Project Name : Hilton Garden Inn Phuket Bangtao
Project Location :

Lot ID: 24110201
Date Received : Oct 17, 2024
Date Reported : Oct 26, 2024
Report Number : 3147828-1

Page 1 of 2

Sample Number	24110201-8						
Sampled Date	Oct 16, 2024 2:50 PM						
Sample Description	น้ำระบมบำบัดน้ำเสีย						
Location	บ่อกักน้ำทิ้งก่อนปล่อยออกสู่สาธารณะบ่อ 2						
Date Analysis Commenced	Oct 17, 2024						
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	-	-	1300000.0	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 9221 B, E	Songkhla
Water Testing							
BOD (5 days at 20 degree C)	mg/L	-	2.0	77.8	≤30	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Songkhla
Oil & Grease	mg/L	-	3	8	≤20	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Songkhla
pH at 25 degree C		-	-	7.6	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Songkhla
Settleable Solid *	mL/L/hr	-	0.1	<0.1	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 F	Songkhla
Sulfide *	mg/L	-	0.5	3.6	≤1	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-S2 (C, F)	Songkhla
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	324	≤1000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Songkhla
Total Kjeldahl Nitrogen as N *	mg/L	0.15	1.0	43.0	≤35	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-Norg (C)	Bangkok

Approved by

Chompoonuch F.

Chompoonuch Funtha
Supervisor

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TESTING
No.0166

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111 Soi Chengtalay 16, Srisoonthorn Road, Chengtalay, Thalang, Phuket Thailand 83110
P/O : สัญญาจ้าง
Project Name : Hilton Garden Inn Phuket Bangtao
Project Location :

Lot ID: 24110201
Date Received : Oct 17, 2024
Date Reported : Oct 26, 2024
Report Number : 3147828-1

Page 2 of 2

Sample Number	24110201-8						
Sampled Date	Oct 16, 2024 2:50 PM						
Sample Description	น้ำระบมบำบัดน้ำเสีย						
Location	บ่อกักน้ำทิ้งก่อนปล่อยออกสู่สาธารณะบ่อ 2						
Date Analysis Commenced	Oct 17, 2024						
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							
Total Suspended Solids	mg/L	-	5	66	≤40	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Songkhla

Guideline : Notification of Ministry of Natural Resources and Environment B.E. 2567 on Effluent Control Standard from Types and Sized of Buildings, Type B.

Sampling By : Sakkarin Panpheng

Remark :

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Approved by

Chompoonuch F.

Chompoonuch Funtha
Supervisor

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P/O : สัญญาจ้าง
Project Name : Hilton Garden Inn Phuket Bangtao
Project Location :

Lot ID: 24110201
Date Received : Oct 17, 2024
Date Reported : Oct 26, 2024
Report Number : 3147829-1

Page 1 of 1

Sample Number 24110201-9
Sampled Date Oct 16, 2024 3:40 PM
Sample Description น้ำไข
Location น้ำไขภายในโรงแรม
Date Analysis Commenced Oct 18, 2024
Condition of Sample Contained in one plastic bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Water Testing						
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	86	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Songkhla

Sampling By : Sakkarin Panpheng

Remark :

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Approved by

Ananta B

Ananta Boonphet
Scientist (2)

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Client : Stone Bitter Co., Ltd.
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P/O : สัญญาจ้าง
Project Name : Hilton Garden Inn Phuket Bangtao
Project Location :

Lot ID: 24118654

Date Received : Nov 16, 2024

Date Reported : Nov 26, 2024

Report Number : 3176455-1

Page 1 of 2

Sample Number	24118654-7						
Sampled Date	Nov 15, 2024 3:00 PM						
Sample Description	น้ำระบบบำบัดน้ำเสีย						
Location	น้ำทิ้งก่อนเข้าระบบบ่อที่ 1						
Date Analysis Commenced	Nov 16, 2024						
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	-	-	7000000.0	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 9221 B, E	Songkhla
Water Testing							
BOD (5 days at 20 degree C)	mg/L	-	2.0	948	≤30	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Songkhla
Oil & Grease	mg/L	-	3	198	≤20	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Songkhla
pH at 25 degree C		-	-	7.3	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Songkhla
Settleable Solid *	mL/L/hr	-	0.1	25.0	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 F	Songkhla
Sulfide *	mg/L	-	0.5	9.6	≤1	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-S2 (C, F)	Songkhla
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	308	≤1000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Songkhla
Total Kjeldahl Nitrogen as N *	mg/L	0.15	1.0	109	≤35	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-Norg (C)	Bangkok

Approved by

Tuanjai Thangklang
Manager

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Analysis / Test Report

TESTING
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111 Soi Chengtalay 16, Srisoonthorn Road, Chengtalay, Talang, Phuket Thailand 83110

P/O : สัญญาจ้าง

Project Name : Hilton Garden Inn Phuket Bangtao

Project Location :

Lot ID: 24118654

Date Received : Nov 16, 2024

Date Reported : Nov 26, 2024

Report Number : 3176455-1

Page 2 of 2

Sample Number	24118654-7						
Sampled Date	Nov 15, 2024 3:00 PM						
Sample Description	น้ำระบบบำบัดน้ำเสีย						
Location	น้ำทิ้งก่อนเข้าระบบบ่อที่ 1						
Date Analysis Commenced	Nov 16, 2024						
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							
Total Suspended Solids	mg/L	-	5	664	≤40	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Songkhla

Guideline : Notification of Ministry of Natural Resources and Environment B.E. 2567 on Effluent Control Standard from Types and Sized of Buildings, Type B.

Sampling By : Thaksin Aintrom , Furakan Kasetka

Remark :

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Tuanjai Thangklang
Manager

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Analysis / Test Report

TESTING
No.0166

Client : Stone Bitter Co., Ltd.
111 Soi Chengtalay 16, Srisoonthorn Road, Chengtalay, Thalang, Phuket Thailand 83110
P/O : สัญญาจ้าง
Project Name : Hilton Garden Inn Phuket Bangtao
Project Location :

Lot ID: 24118654
Date Received : Nov 16, 2024
Date Reported : Nov 26, 2024
Report Number : 3176456-1

Page 1 of 2

Sample Number	24118654-8						
Sampled Date	Nov 15, 2024 2:30 PM						
Sample Description	น้ำระบมบบำบัดน้ำเสีย						
Location	บ่อกักน้ำทิ้งก่อนปล่อยออกสู่สาธารณะบ่อ 1						
Date Analysis Commenced	Nov 16, 2024						
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	-	-	3300000.0	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 9221 B, E	Songkhla
Water Testing							
BOD (5 days at 20 degree C)	mg/L	-	2.0	115	≤30	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Songkhla
Oil & Grease	mg/L	-	3	31	≤20	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Songkhla
pH at 25 degree C		-	-	7.6	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Songkhla
Settleable Solid *	mL/L/hr	-	0.1	0.2	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 F	Songkhla
Sulfide *	mg/L	-	0.5	1.6	≤1	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-S2 (C, F)	Songkhla
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	268	≤1000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Songkhla
Total Kjeldahl Nitrogen as N *	mg/L	0.15	1.0	81.1	≤35	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-Norg (C)	Bangkok

Approved by

Tuanjai Thangklang
Manager

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Analysis / Test Report

TESTING
No.0166

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111 Soi Chengtalay 16, Srisoonthorn Road, Chengtalay, Thalang, Phuket Thailand 83110

P/O : สัญญาจ้าง

Project Name : Hilton Garden Inn Phuket Bangtao

Project Location :

Lot ID: 24118654

Date Received : Nov 16, 2024

Date Reported : Nov 26, 2024

Report Number : 3176456-1

Page 2 of 2

Sample Number	24118654-8						
Sampled Date	Nov 15, 2024 2:30 PM						
Sample Description	น้ำระบมบ้ำบัดน้ำเสีย						
Location	บ่อพักน้ำทิ้งก่อนปล่อยออกสู่สาธารณะบ่อ 1						
Date Analysis Commenced	Nov 16, 2024						
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							
Total Suspended Solids	mg/L	-	5	93	≤40	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Songkhla

Guideline : Notification of Ministry of Natural Resources and Environment B.E. 2567 on Effluent Control Standard from Types and Sized of Buildings, Type B.

Sampling By : Thaksin Aintrom , Furakan Kasetka

Remark :

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Tuanjai Thangklang
Manager

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TESTING
No.0166

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111 Soi Chengtalay 16, Srisoonthorn Road, Chengtalay, Thalang, Phuket Thailand 83110
P/O : สัญญาจ้าง
Project Name : Hilton Garden Inn Phuket Bangtao
Project Location :

Lot ID: 24118654

Date Received : Nov 16, 2024

Date Reported : Nov 26, 2024

Report Number : 3176457-1

Page 1 of 2

Sample Number	24118654-9						
Sampled Date	Nov 15, 2024 2:50 PM						
Sample Description	น้ำระบบบำบัดน้ำเสีย						
Location	น้ำทิ้งก่อนเข้าระบบบ่อที่ 2						
Date Analysis Commenced	Nov 16, 2024						
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	-	-	54000000.0	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 9221 B, E	Songkhla
Water Testing							
BOD (5 days at 20 degree C)	mg/L	-	2.0	644	≤30	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Songkhla
Oil & Grease	mg/L	-	3	200	≤20	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Songkhla
pH at 25 degree C		-	-	6.5	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Songkhla
Settleable Solid *	mL/L/hr	-	0.1	4.0	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 F	Songkhla
Sulfide *	mg/L	-	0.5	4.8	≤1	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-S2 (C, F)	Songkhla
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	252	≤1000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Songkhla
Total Kjeldahl Nitrogen as N *	mg/L	0.15	1.0	109	≤35	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-Norg (C)	Bangkok

Approved by

Tuanjai Thangklang
Manager

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Analysis / Test Report

TESTING
No.0166

Client : Stone Bitter Co., Ltd.
111 Soi Chengtalay 16, Srisoonthorn Road, Chengtalay, Thalang, Phuket Thailand 83110

P/O : สัญญาจ้าง

Project Name : Hilton Garden Inn Phuket Bangtao

Project Location :

Lot ID: 24118654

Date Received : Nov 16, 2024

Date Reported : Nov 26, 2024

Report Number : 3176457-1

Page 2 of 2

Sample Number	24118654-9						
Sampled Date	Nov 15, 2024 2:50 PM						
Sample Description	น้ำระบบบำบัดน้ำเสีย						
Location	น้ำทิ้งก่อนเข้าระบบบ่อที่ 2						
Date Analysis Commenced	Nov 16, 2024						
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							
Total Suspended Solids	mg/L	-	5	243	≤40	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Songkhla

Guideline : Notification of Ministry of Natural Resources and Environment B.E. 2567 on Effluent Control Standard from Types and Sized of Buildings, Type B.

Sampling By : Thaksin Aintrom , Furakan Kasetka

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.

Approved by

Tuanjai Thangklang
Manager

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TESTING
No.0166

Client : Stone Bitter Co., Ltd.
111 Soi Chengtalay 16, Srisoonthorn Road, Chengtalay, Thalang, Phuket Thailand 83110
P/O : สัญญาจ้าง
Project Name : Hilton Garden Inn Phuket Bangtao
Project Location :

Lot ID: 24118654
Date Received : Nov 16, 2024
Date Reported : Nov 26, 2024
Report Number : 3176458-1

Page 1 of 2

Sample Number	24118654-10						
Sampled Date	Nov 15, 2024 2:40 PM						
Sample Description	น้ำระบมบบำบัดน้ำเสีย						
Location	บ่อบำบัดน้ำทิ้งก่อนปล่อยออกสู่สาธารณะบ่อ 2						
Date Analysis Commenced	Nov 16, 2024						
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	-	-	4900000.0	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 9221 B, E	Songkhla
Water Testing							
BOD (5 days at 20 degree C)	mg/L	-	2.0	130	≤30	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Songkhla
Oil & Grease	mg/L	-	3	38	≤20	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Songkhla
pH at 25 degree C		-	-	7.2	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Songkhla
Settleable Solid *	mL/L/hr	-	0.1	<0.1	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 F	Songkhla
Sulfide *	mg/L	-	0.5	4.0	≤1	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-S2 (C, F)	Songkhla
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	240	≤1000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Songkhla
Total Kjeldahl Nitrogen as N *	mg/L	0.15	1.0	43.1	≤35	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-Norg (C)	Bangkok

Approved by

Tuanjai Thangklang
Manager

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TESTING
No.0166

Client : Stone Bitter Co., Ltd.
111 Soi Chengtalay 16, Srisoonthorn Road, Chengtalay, Thalang, Phuket Thailand 83110

P/O : สัญญาจ้าง

Project Name : Hilton Garden Inn Phuket Bangtao

Project Location :

Lot ID: 24118654

Date Received : Nov 16, 2024

Date Reported : Nov 26, 2024

Report Number : 3176458-1

Page 2 of 2

Sample Number	24118654-10						
Sampled Date	Nov 15, 2024 2:40 PM						
Sample Description	น้ำระบมบ้ำบัดน้ำเสีย						
Location	บ่อพักน้ำทิ้งก่อนปล่อยออกสู่สาธารณะบ่อ 2						
Date Analysis Commenced	Nov 16, 2024						
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							
Total Suspended Solids	mg/L	-	5	65	≤40	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Songkhla

Guideline : Notification of Ministry of Natural Resources and Environment B.E. 2567 on Effluent Control Standard from Types and Sized of Buildings, Type B.

Sampling By : Thaksin Aintrom , Furakan Kasetka

Remark :

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

Tuanjai Thangklang
Manager

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TESTING
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Client : Stone Bitter Co., Ltd.
111 Soi Chengtalay 16, Srisoonthorn Road, Chengtalay, Thalang, Phuket Thailand 83110
P/O : สัญญาจ้าง
Project Name : Hilton Garden Inn Phuket Bangtao
Project Location :

Lot ID: 24118654
Date Received : Nov 16, 2024
Date Reported : Nov 26, 2024
Report Number : 3176459-1

Page 1 of 1

Sample Number 24118654-11
Sampled Date Nov 15, 2024 2:00 PM
Sample Description น้ำใช้
Location น้ำใช้ภายในโรงแรม ก่อกน้ำใช้ข้างป้อม รปภ.
Date Analysis Commenced Nov 19, 2024
Condition of Sample Contained in one plastic bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Water Testing						
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	66	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Songkhla

Sampling By : Thaksin Aintrom , Furakan Kasetka

Remark :

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Approved by

Ananta B.

Ananta Boonphet
Scientist (2)

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Client : Stone Bitter Co., Ltd.
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P/O : สัญญาจ้าง
Project Name : Hilton Garden Inn Phuket Bangtao
Project Location :

Lot ID: 24118667
Date Received : Dec 17, 2024
Date Reported : Dec 26, 2024
Report Number : 3203359-1

Page 1 of 2

Sample Number	24118667-5						
Sampled Date	Dec 16, 2024 2:47 PM						
Sample Description	น้ำระบบบำบัดน้ำเสีย						
Location	น้ำทิ้งก่อนเข้าระบบบ่อที่ 1						
Date Analysis Commenced	Dec 17, 2024						
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	-	-	7900000.0	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 9221 B, E	Songkhla
Water Testing							
BOD (5 days at 20 degree C)	mg/L	-	2.0	2109	≤30	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Songkhla
Oil & Grease	mg/L	-	3	579	≤20	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Songkhla
pH at 25 degree C		-	-	7.1	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Songkhla
Settleable Solid *	mL/L/hr	-	0.1	17.0	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 F	Songkhla
Sulfide *	mg/L	-	0.5	12.7	≤1	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-S2 (C, F)	Songkhla
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	344	≤1000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Songkhla
Total Kjeldahl Nitrogen as N *	mg/L	0.15	1.0	187	≤35	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-Norg (C)	Bangkok

Approved by

Ananta B.

Ananta Boonphet
Scientist (2)

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111 Soi Chengtalay 16, Srisoonthorn Road, Chengtalay, Talang, Phuket Thailand 83110

P/O : สัญญาจ้าง

Project Name : Hilton Garden Inn Phuket Bangtao

Project Location :

Lot ID: 24118667

Date Received : Dec 17, 2024

Date Reported : Dec 26, 2024

Report Number : 3203359-1

Page 2 of 2

Sample Number	24118667-5						
Sampled Date	Dec 16, 2024 2:47 PM						
Sample Description	น้ำระบบบำบัดน้ำเสีย						
Location	น้ำทิ้งก่อนเข้าระบบบ่อที่ 1						
Date Analysis Commenced	Dec 17, 2024						
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							
Total Suspended Solids	mg/L	-	5	1240	≤40	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Songkhla

Guideline : Notification of Ministry of Natural Resources and Environment B.E. 2567 on Effluent Control Standard from Types and Sized of Buildings, Type B.

Sampling By : Yuttapong Rattana , Sakkarin Panpheng

Remark :

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

Ananta B.

Ananta Boonphet
Scientist (2)

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Client : Stone Bitter Co., Ltd.
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P/O : สัญญาจ้าง
Project Name : Hilton Garden Inn Phuket Bangtao
Project Location :

Lot ID: 24118667
Date Received : Dec 17, 2024
Date Reported : Dec 26, 2024
Report Number : 3203360-1

Page 1 of 2

Sample Number	24118667-6						
Sampled Date	Dec 16, 2024 2:32 PM						
Sample Description	น้ำระบมบบำบัดน้ำเสีย						
Location	บ่อบำบัดน้ำทิ้งก่อนปล่อยออกสู่สาธารณะบ่อ 1						
Date Analysis Commenced	Dec 17, 2024						
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	-	-	3300000.0	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 9221 B, E	Songkhla
Water Testing							
BOD (5 days at 20 degree C)	mg/L	-	2.0	85.2	≤30	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Songkhla
Oil & Grease	mg/L	-	3	7	≤20	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Songkhla
pH at 25 degree C		-	-	7.8	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Songkhla
Settleable Solid *	mL/L/hr	-	0.1	0.1	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 F	Songkhla
Sulfide *	mg/L	-	0.5	1.2	≤1	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-S2 (C, F)	Songkhla
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	272	≤1000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Songkhla
Total Kjeldahl Nitrogen as N *	mg/L	0.15	1.0	82.5	≤35	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-Norg (C)	Bangkok

Approved by

Ananta B.

Ananta Boonphet
Scientist (2)

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111 Soi Chengtalay 16, Srisoonthorn Road, Chengtalay, Talang, Phuket Thailand 83110

P/O : สัญญาจ้าง

Project Name : Hilton Garden Inn Phuket Bangtao

Project Location :

Lot ID: 24118667

Date Received : Dec 17, 2024

Date Reported : Dec 26, 2024

Report Number : 3203360-1

Page 2 of 2

Sample Number	24118667-6						
Sampled Date	Dec 16, 2024 2:32 PM						
Sample Description	น้ำระบมบำบัดน้ำเสีย						
Location	บ่อพักน้ำทิ้งก่อนปล่อยออกสู่สาธารณะบ่อ 1						
Date Analysis Commenced	Dec 17, 2024						
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							
Total Suspended Solids	mg/L	-	5	83	≤40	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Songkhla

Guideline : Notification of Ministry of Natural Resources and Environment B.E. 2567 on Effluent Control Standard from Types and Sized of Buildings, Type B.

Sampling By : Yuttapong Rattana , Sakkarin Panpheng

Remark :

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Ananta B.

Ananta Boonphet
Scientist (2)

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P/O : สัญญาจ้าง
Project Name : Hilton Garden Inn Phuket Bangtao
Project Location :

Lot ID: 24118667
Date Received : Dec 17, 2024
Date Reported : Dec 26, 2024
Report Number : 3203361-1

Page 1 of 2

Sample Number	24118667-7						
Sampled Date	Dec 16, 2024 2:53 PM						
Sample Description	น้ำระบบบำบัดน้ำเสีย						
Location	น้ำทิ้งก่อนเข้าระบบบ่อที่ 2						
Date Analysis Commenced	Dec 17, 2024						
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	-	-	24000000.0	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 9221 B, E	Songkhla
Water Testing							
BOD (5 days at 20 degree C)	mg/L	-	2.0	924	≤30	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Songkhla
Oil & Grease	mg/L	-	3	668	≤20	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Songkhla
pH at 25 degree C		-	-	6.4	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Songkhla
Settleable Solid *	mL/L/hr	-	0.1	14.0	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 F	Songkhla
Sulfide *	mg/L	-	0.5	4.8	≤1	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-S2 (C, F)	Songkhla
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	244	≤1000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Songkhla
Total Kjeldahl Nitrogen as N *	mg/L	0.15	1.0	95.5	≤35	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-Norg (C)	Bangkok

Approved by

Ananta B.

Ananta Boonphet
Scientist (2)

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TESTING
No.0166

Client : Stone Bitter Co., Ltd.
111 Soi Chengtalay 16, Srisoonthorn Road, Chengtalay, Thalang, Phuket Thailand 83110

P/O : สัญญาจ้าง

Project Name : Hilton Garden Inn Phuket Bangtao

Project Location :

Lot ID: 24118667

Date Received : Dec 17, 2024

Date Reported : Dec 26, 2024

Report Number : 3203361-1

Page 2 of 2

Sample Number	24118667-7						
Sampled Date	Dec 16, 2024 2:53 PM						
Sample Description	น้ำระบบบำบัดน้ำเสีย						
Location	น้ำทิ้งก่อนเข้าระบบบ่อที่ 2						
Date Analysis Commenced	Dec 17, 2024						
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							
Total Suspended Solids	mg/L	-	5	880	≤40	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Songkhla

Guideline : Notification of Ministry of Natural Resources and Environment B.E. 2567 on Effluent Control Standard from Types and Sized of Buildings, Type B.

Sampling By : Yuttapong Rattana , Sakkarin Panpheng

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.

Approved by

Ananta B.

Ananta Boonphet
Scientist (2)

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Analysis / Test Report

TESTING
No.0166

Client : Stone Bitter Co., Ltd.
111 Soi Chengtalay 16, Srisoonthorn Road, Chengtalay, Thalang, Phuket Thailand 83110
P/O : สัญญาจ้าง
Project Name : Hilton Garden Inn Phuket Bangtao
Project Location :

Lot ID: 24118667
Date Received : Dec 17, 2024
Date Reported : Dec 26, 2024
Report Number : 3203362-1

Page 1 of 2

Sample Number	24118667-8						
Sampled Date	Dec 16, 2024 2:40 PM						
Sample Description	น้ำระบมบ้ำบัดน้ำเสีย						
Location	บ่อพักน้ำทิ้งก่อนปล่อยออกสู่สาธารณะบ่อ 2						
Date Analysis Commenced	Dec 17, 2024						
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	-	-	490000.0	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 9221 B, E	Songkhla
Water Testing							
BOD (5 days at 20 degree C)	mg/L	-	2.0	31.0	≤30	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Songkhla
Oil & Grease	mg/L	-	3	11	≤20	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Songkhla
pH at 25 degree C		-	-	7.2	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Songkhla
Settleable Solid *	mL/L/hr	-	0.1	0.1	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 F	Songkhla
Sulfide *	mg/L	-	0.5	1.6	≤1	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-S2 (C, F)	Songkhla
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	196	≤1000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Songkhla
Total Kjeldahl Nitrogen as N *	mg/L	0.15	1.0	52.5	≤35	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-Norg (C)	Bangkok

Approved by

Ananta B.

Ananta Boonphet
Scientist (2)

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Analysis / Test Report

TESTING
No.0166

Client : Stone Bitter Co., Ltd.
111 Soi Chengtalay 16, Srisoonthorn Road, Chengtalay, Thalang, Phuket Thailand 83110

P/O : สัญญาจ้าง

Project Name : Hilton Garden Inn Phuket Bangtao

Project Location :

Lot ID: 24118667

Date Received : Dec 17, 2024

Date Reported : Dec 26, 2024

Report Number : 3203362-1

Page 2 of 2

Sample Number	24118667-8						
Sampled Date	Dec 16, 2024 2:40 PM						
Sample Description	น้ำระบมบำบัดน้ำเสีย						
Location	บ่อพักน้ำทิ้งก่อนปล่อยออกสู่สาธารณะบ่อ 2						
Date Analysis Commenced	Dec 17, 2024						
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							
Total Suspended Solids	mg/L	-	5	51	≤40	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Songkhla

Guideline : Notification of Ministry of Natural Resources and Environment B.E. 2567 on Effluent Control Standard from Types and Sized of Buildings, Type B.

Sampling By : Yuttapong Rattana , Sakkarin Panpheng

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TESTING
No.0166

Client : Stone Bitter Co., Ltd.
111 Soi Chengtalay 16, Srisoonthorn Road, Chengtalay, Thalang, Phuket Thailand 83110
P/O : สัญญาจ้าง
Project Name : Hilton Garden Inn Phuket Bangtao
Project Location :

Lot ID: 24118667
Date Received : Dec 17, 2024
Date Reported : Dec 26, 2024
Report Number : 3203363-1

Page 1 of 1

Sample Number 24118667-9
Sampled Date Dec 16, 2024 2:00 PM
Sample Description น้ำไข
Location น้ำไขภายในโรงแรม
Date Analysis Commenced Dec 17, 2024
Condition of Sample Contained in one plastic bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Water Testing						
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	76	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Songkhla

Sampling By : Yuttapong Rattana , Sakkarin Panpheng

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Ananta Boonphet
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ผลการตรวจวิเคราะห์คุณภาพน้ำสระว่ายนํ้า



Analysis / Test Report

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111 Soi Chengtalay 16, Srisoonthorn Road, Chengtalay, Thalang, Phuket Thailand 83110
P/O : สัญญาจ้าง
Project Name : Hilton Garden Inn Phuket Bangtao
Project Location :

Lot ID: 2469055

Date Received : Jul 27, 2024
Date Reported : Aug 06, 2024
Report Number : 3075109-1

Page 1 of 1

Sample Number 2469055-1
Sampled Date Jul 26, 2024 2:05 PM
Sample Description สระว่ายน้ำ
Location สระที่ 1 (ลึก) (สระใหญ่)
Date Analysis Commenced Jul 27, 2024
Condition of Sample Contained in two plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Microbiological Testing						
<i>Escherichia coli</i>	in 100 mL	-	-	Not Detected	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B, F	Songkhla
Fecal Coliform	in 100 mL	-	-	Not Detected	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B, E	Songkhla
<i>Pseudomonas aeruginosa</i>	in 100 mL	-	-	Not Detected	In-house method in connection with: - Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9213 E	Bangkok
<i>Staphylococcus aureus</i>	in 100 mL	-	-	Not Detected	In-house method : STM No. 14-039 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9213 B and FDA Bacteriological Analytical Manual online, Chapter 12, 2016	Songkhla
Total Coliform	in 100 mL	-	-	Not Detected	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B	Songkhla

Sampling By : Yuttapong Rattana , Sakkarin Panpheng

Remark :
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Approved by

Tuanjai Thangklang
Manager

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P/O : สัญญาจ้าง
Project Name : Hilton Garden Inn Phuket Bangtao
Project Location :

Lot ID: 2469055

Date Received : Jul 27, 2024
Date Reported : Aug 06, 2024
Report Number : 3075110-1

Page 1 of 1

Sample Number 2469055-2
Sampled Date Jul 26, 2024 2:02 PM
Sample Description สระว่ายน้ำ
Location สระที่ 1 (ต้น) (สระใหญ่)
Date Analysis Commenced Jul 27, 2024
Condition of Sample Contained in two plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Microbiological Testing						
<i>Escherichia coli</i>	in 100 mL	-	-	Not Detected	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B, F	Songkhla
Fecal Coliform	in 100 mL	-	-	Not Detected	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B, E	Songkhla
<i>Pseudomonas aeruginosa</i>	in 100 mL	-	-	Not Detected	In-house method in connection with: - Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9213 E	Bangkok
<i>Staphylococcus aureus</i>	in 100 mL	-	-	Not Detected	In-house method : STM No. 14-039 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9213 B and FDA Bacteriological Analytical Manual online, Chapter 12, 2016	Songkhla
Total Coliform	in 100 mL	-	-	Not Detected	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B	Songkhla

Sampling By : Yuttapong Rattana , Sakkarin Panpheng

Remark :
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Tuanjai Thangklang
Manager

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P/O : สัญญาจ้าง
Project Name : Hilton Garden Inn Phuket Bangtao
Project Location :

Lot ID: 2469055

Date Received : Jul 27, 2024
Date Reported : Aug 06, 2024
Report Number : 3075111-1

Page 1 of 1

Sample Number 2469055-3
Sampled Date Jul 26, 2024 2:11 PM
Sample Description สระว่ายน้ำ
Location สระที่ 2 (เล็ก) (สระเล็ก)
Date Analysis Commenced Jul 27, 2024
Condition of Sample Contained in two plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Microbiological Testing						
<i>Escherichia coli</i>	in 100 mL	-	-	Not Detected	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B, F	Songkhla
Fecal Coliform	in 100 mL	-	-	Not Detected	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B, E	Songkhla
<i>Pseudomonas aeruginosa</i>	in 100 mL	-	-	Not Detected	In-house method in connection with: - Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9213 E	Bangkok
<i>Staphylococcus aureus</i>	in 100 mL	-	-	Not Detected	In-house method : STM No. 14-039 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9213 B and FDA Bacteriological Analytical Manual online, Chapter 12, 2016	Songkhla
Total Coliform	in 100 mL	-	-	Not Detected	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B	Songkhla

Sampling By : Yuttapong Rattana , Sakkarin Panpheng

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Tuanjai Thangklang
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P/O : สัญญาจ้าง
Project Name : Hilton Garden Inn Phuket Bangtao
Project Location :

Lot ID: 2469055

Date Received : Jul 27, 2024
Date Reported : Aug 06, 2024
Report Number : 3075112-1

Page 1 of 1

Sample Number 2469055-4
Sampled Date Jul 26, 2024 2:08 PM
Sample Description สระว่ายน้ำ
Location สระที่ 2 (ตื้น) (สระเล็ก)
Date Analysis Commenced Jul 27, 2024
Condition of Sample Contained in two plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Microbiological Testing						
<i>Escherichia coli</i>	in 100 mL	-	-	Not Detected	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B, F	Songkhla
Fecal Coliform	in 100 mL	-	-	Not Detected	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B, E	Songkhla
<i>Pseudomonas aeruginosa</i>	in 100 mL	-	-	Not Detected	In-house method in connection with: - Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9213 E	Bangkok
<i>Staphylococcus aureus</i>	in 100 mL	-	-	Not Detected	In-house method : STM No. 14-039 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9213 B and FDA Bacteriological Analytical Manual online, Chapter 12, 2016	Songkhla
Total Coliform	in 100 mL	-	-	Not Detected	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B	Songkhla

Sampling By : Yuttapong Rattana , Sakkarin Panpheng

Remark :
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Tuanjai Thangklang
Manager

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P/O : สัญญาจ้าง
Project Name : Hilton Garden Inn Phuket Bangtao
Project Location :

Lot ID: 2481442

Date Received : Aug 31, 2024
Date Reported : Sep 10, 2024
Report Number : 3106277-1

Page 1 of 1

Sample Number	2481442-3
Sampled Date	Aug 30, 2024 2:24 PM
Sample Description	สระว่ายน้ำ
Location	สระที่ 1 (สระใหญ่)
Date Analysis Commenced	Aug 31, 2024
Condition of Sample	Contained in three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Water Testing						
Ammonium	mg/L	-	0.06	<0.06	Based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-NH3 F	Bangkok
Chloride as Cl	mg/L	0.06	0.2	1844	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4110 B	Bangkok
Cyanuric acid	mg/L	2	7	Not Detected	Colorimetric Method	Bangkok
Nitrate as N	mg/L	0.06	0.2	1.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4110 B	Bangkok
pH at 25 degree C		-	-	6.4	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
Residual Free Chlorine	mg/L	-	0.1	0.4	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Cl (F)	Songkhla
Total Chlorine	mg/L	-	0.1	0.4	Based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Cl (F)	Songkhla
Total Hardness as CaCO3	mg/L	-	1	28	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2340 C	Songkhla

Sampling By : Yuttapong Rattana , Sakkarin Panpheng

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Approved by

Ananta B

Ananta Boonphet
Scientist (2)

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P/O : สัญญาจ้าง
Project Name : Hilton Garden Inn Phuket Bangtao
Project Location :

Lot ID: 2481442

Date Received : Aug 31, 2024

Date Reported : Sep 10, 2024

Report Number : 3106278-1

Page 1 of 1

Sample Number	2481442-4
Sampled Date	Aug 30, 2024 2:33 PM
Sample Description	สระว่ายน้ำ
Location	สระที่ 2 (สระเล็ก)
Date Analysis Commenced	Aug 31, 2024
Condition of Sample	Contained in three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Water Testing						
Ammonium	mg/L	-	0.06	<0.06	Based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-NH3 F	Bangkok
Chloride as Cl	mg/L	0.06	0.2	2995	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4110 B	Bangkok
Cyanuric acid	mg/L	2	7	Not Detected	Colorimetric Method	Bangkok
Nitrate as N	mg/L	0.06	0.2	1.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4110 B	Bangkok
pH at 25 degree C		-	-	6.7	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	0.2	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Cl (F)	Songkhla
Total Chlorine	mg/L	-	0.1	0.2	Based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Cl (F)	Songkhla
Total Hardness as CaCO3	mg/L	-	1	30	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2340 C	Songkhla

Sampling By : Yuttapong Rattana , Sakkarin Panpheng

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Approved by

Ananta B

Ananta Boonphet
Scientist (2)

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Analysis / Test Report

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111 Soi Chengtalay 16, Srisoonthorn Road, Chengtalay, Thalang, Phuket Thailand 83110
P/O : สัญญาจ้าง
Project Name : Hilton Garden Inn Phuket Bangtao
Project Location :

Lot ID: 2481442

Date Received : Aug 31, 2024
Date Reported : Sep 10, 2024
Report Number : 3106279-1

Page 1 of 1

Sample Number 2481442-5
Sampled Date Aug 30, 2024 2:24 PM
Sample Description สระว่ายน้ำ
Location สระที่ 1 (เล็ก) (สระใหญ่)
Date Analysis Commenced Aug 31, 2024
Condition of Sample Contained in two plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Microbiological Testing						
<i>Escherichia coli</i>	in 100 mL	-	-	Not Detected	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B, F	Songkhla
Fecal Coliform	in 100 mL	-	-	Not Detected	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B, E	Songkhla
<i>Pseudomonas aeruginosa</i>	in 100 mL	-	-	Not Detected	In-house method in connection with: - Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9213 E	Bangkok
<i>Staphylococcus aureus</i>	in 100 mL	-	-	Not Detected	In-house method : STM No. 14-039 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9213 B and FDA Bacteriological Analytical Manual online, Chapter 12, 2016	Songkhla
Total Coliform	in 100 mL	-	-	Not Detected	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B	Songkhla

Sampling By : Yuttapong Rattana , Sakkarin Panpheng

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

Approved by

Chompoonuch F.

Chompoonuch Funtha
Supervisor

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P/O : สัญญาจ้าง
Project Name : Hilton Garden Inn Phuket Bangtao
Project Location :

Lot ID: 2481442

Date Received : Aug 31, 2024
Date Reported : Sep 10, 2024
Report Number : 3106280-1

Page 1 of 1

Sample Number 2481442-6
Sampled Date Aug 30, 2024 2:21 PM
Sample Description สระว่ายน้ำ
Location สระที่ 1 (ตื้น) (สระใหญ่)
Date Analysis Commenced Aug 31, 2024
Condition of Sample Contained in two plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Microbiological Testing						
<i>Escherichia coli</i>	in 100 mL	-	-	Not Detected	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B, F	Songkhla
Fecal Coliform	in 100 mL	-	-	Not Detected	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B, E	Songkhla
<i>Pseudomonas aeruginosa</i>	in 100 mL	-	-	Not Detected	In-house method in connection with: - Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9213 E	Bangkok
<i>Staphylococcus aureus</i>	in 100 mL	-	-	Not Detected	In-house method : STM No. 14-039 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9213 B and FDA Bacteriological Analytical Manual online, Chapter 12, 2016	Songkhla
Total Coliform	in 100 mL	-	-	Not Detected	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B	Songkhla

Sampling By : Yuttapong Rattana , Sakkarin Panpheng

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

Approved by

Chompoonuch F.

Chompoonuch Funtha
Supervisor

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P/O : สัญญาจ้าง
Project Name : Hilton Garden Inn Phuket Bangtao
Project Location :

Lot ID: 2481442

Date Received : Aug 31, 2024

Date Reported : Sep 10, 2024

Report Number : 3106281-1

Page 1 of 1

Sample Number 2481442-7
Sampled Date Aug 30, 2024 2:33 PM
Sample Description สระว่ายน้ำ
Location สระที่ 2 (เล็ก) (สระเล็ก)
Date Analysis Commenced Aug 31, 2024
Condition of Sample Contained in two plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Microbiological Testing						
<i>Escherichia coli</i>	in 100 mL	-	-	Not Detected	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B, F	Songkhla
Fecal Coliform	in 100 mL	-	-	Not Detected	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B, E	Songkhla
<i>Pseudomonas aeruginosa</i>	in 100 mL	-	-	Not Detected	In-house method in connection with: - Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9213 E	Bangkok
<i>Staphylococcus aureus</i>	in 100 mL	-	-	Not Detected	In-house method : STM No. 14-039 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9213 B and FDA Bacteriological Analytical Manual online, Chapter 12, 2016	Songkhla
Total Coliform	in 100 mL	-	-	Not Detected	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B	Songkhla

Sampling By : Yuttapong Rattana , Sakkarin Panpheng

Remark :

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

Approved by

Chompoonuch F.

Chompoonuch Funtha
Supervisor

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P/O : สัญญาจ้าง
Project Name : Hilton Garden Inn Phuket Bangtao
Project Location :

Lot ID: 2481442

Date Received : Aug 31, 2024
Date Reported : Sep 10, 2024
Report Number : 3106282-1

Page 1 of 1

Sample Number 2481442-8
Sampled Date Aug 30, 2024 2:28 PM
Sample Description สระว่ายน้ำ
Location สระที่ 2 (ตื้น) (สระเล็ก)
Date Analysis Commenced Aug 31, 2024
Condition of Sample Contained in two plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Microbiological Testing						
<i>Escherichia coli</i>	in 100 mL	-	-	Not Detected	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B, F	Songkhla
Fecal Coliform	in 100 mL	-	-	Not Detected	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B, E	Songkhla
<i>Pseudomonas aeruginosa</i>	in 100 mL	-	-	Not Detected	In-house method in connection with: - Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9213 E	Bangkok
<i>Staphylococcus aureus</i>	in 100 mL	-	-	Not Detected	In-house method : STM No. 14-039 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9213 B and FDA Bacteriological Analytical Manual online, Chapter 12, 2016	Songkhla
Total Coliform	in 100 mL	-	-	Not Detected	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B	Songkhla

Sampling By : Yuttapong Rattana , Sakkarin Panpheng

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

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Chompoonuch F.

Chompoonuch Funtha
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P/O : สัญญาจ้าง
Project Name : Hilton Garden Inn Phuket Bangtao
Project Location :

Lot ID: 2493983

Date Received : Sep 24, 2024

Date Reported : Oct 28, 2024

Report Number : 3128230-1

Page 1 of 1

Sample Number 2493983-1
Sampled Date Sep 23, 2024 2:05 PM
Sample Description สระว่ายน้ำ
Location สระที่ 1 (ลีก)
Date Analysis Commenced Sep 24, 2024
Condition of Sample Contained in two plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Microbiological Testing							
<i>Escherichia coli</i>	in 100 mL	-	-	Not Detected	Not Detected	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 9221 B, F	Songkhla
Fecal Coliform	in 100 mL	-	-	Not Detected	Not Detected	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 9221 B, E	Songkhla
<i>Pseudomonas aeruginosa</i>	in 100 mL	-	-	Not Detected	Not Detected	In-house method based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 9213 E	Bangkok
<i>Staphylococcus aureus</i>	in 100 mL	-	-	Not Detected	Not Detected	In-house method : STM No. 14-039 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 9213 B and FDA Bacteriological Analytical Manual online, Chapter 12, 2016	Songkhla
Total Coliform	in 100 mL	-	-	Not Detected	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 9221 B	Songkhla

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Sampling By : Thaksin Aintrom , Furakan Kasetka

Remark :

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

Approved by

Chompoonuch F.

Chompoonuch Funtha
Supervisor

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P/O : สัญญาจ้าง
Project Name : Hilton Garden Inn Phuket Bangtao
Project Location :

Lot ID: 2493983

Date Received : Sep 24, 2024

Date Reported : Oct 28, 2024

Report Number : 3128231-1

Page 1 of 1

Sample Number 2493983-2
Sampled Date Sep 23, 2024 2:00 PM
Sample Description สระว่ายน้ำ
Location สระที่ 1 (ตื้น)
Date Analysis Commenced Sep 24, 2024
Condition of Sample Contained in two plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Microbiological Testing							
<i>Escherichia coli</i>	in 100 mL	-	-	Not Detected	Not Detected	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 9221 B, F	Songkhla
Fecal Coliform	in 100 mL	-	-	Not Detected	Not Detected	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 9221 B, E	Songkhla
<i>Pseudomonas aeruginosa</i>	in 100 mL	-	-	Not Detected	Not Detected	In-house method based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 9213 E	Bangkok
<i>Staphylococcus aureus</i>	in 100 mL	-	-	Not Detected	Not Detected	In-house method : STM No. 14-039 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 9213 B and FDA Bacteriological Analytical Manual online, Chapter 12, 2016	Songkhla
Total Coliform	in 100 mL	-	-	Not Detected	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 9221 B	Songkhla

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Sampling By : Thaksin Aintrom , Furakan Kasetka

Remark :

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

Approved by

Chompoonuch F.

Chompoonuch Funtha
Supervisor

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P/O : สัญญาจ้าง
Project Name : Hilton Garden Inn Phuket Bangtao
Project Location :

Lot ID: 2493983

Date Received : Sep 24, 2024

Date Reported : Oct 28, 2024

Report Number : 3128232-1

Page 1 of 1

Sample Number 2493983-3
Sampled Date Sep 23, 2024 2:16 PM
Sample Description สระว่ายน้ำ
Location สระที่ 2 (ลึก)
Date Analysis Commenced Sep 24, 2024
Condition of Sample Contained in two plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Microbiological Testing							
<i>Escherichia coli</i>	in 100 mL	-	-	Not Detected	Not Detected	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 9221 B, F	Songkhla
Fecal Coliform	in 100 mL	-	-	Not Detected	Not Detected	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 9221 B, E	Songkhla
<i>Pseudomonas aeruginosa</i>	in 100 mL	-	-	Not Detected	Not Detected	In-house method based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 9213 E	Bangkok
<i>Staphylococcus aureus</i>	in 100 mL	-	-	Not Detected	Not Detected	In-house method : STM No. 14-039 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 9213 B and FDA Bacteriological Analytical Manual online, Chapter 12, 2016	Songkhla
Total Coliform	in 100 mL	-	-	Not Detected	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 9221 B	Songkhla

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Sampling By : Thaksin Aintrom , Furakan Kasetka

Remark :

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

Approved by

Chompoonuch F.

Chompoonuch Funtha
Supervisor

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P/O : สัญญาจ้าง
Project Name : Hilton Garden Inn Phuket Bangtao
Project Location :

Lot ID: 2493983

Date Received : Sep 24, 2024

Date Reported : Oct 28, 2024

Report Number : 3128233-1

Page 1 of 1

Sample Number 2493983-4
Sampled Date Sep 23, 2024 2:12 PM
Sample Description สระว่ายน้ำ
Location สระที่ 2 (ตื้น)
Date Analysis Commenced Sep 24, 2024
Condition of Sample Contained in two plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Microbiological Testing							
<i>Escherichia coli</i>	in 100 mL	-	-	Not Detected	Not Detected	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 9221 B, F	Songkhla
Fecal Coliform	in 100 mL	-	-	Not Detected	Not Detected	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 9221 B, E	Songkhla
<i>Pseudomonas aeruginosa</i>	in 100 mL	-	-	Not Detected	Not Detected	In-house method based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 9213 E	Bangkok
<i>Staphylococcus aureus</i>	in 100 mL	-	-	Not Detected	Not Detected	In-house method : STM No. 14-039 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 9213 B and FDA Bacteriological Analytical Manual online, Chapter 12, 2016	Songkhla
Total Coliform	in 100 mL	-	-	Not Detected	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 9221 B	Songkhla

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Sampling By : Thaksin Aintrom , Furakan Kasetka

Remark :

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

Approved by

Chompoonuch F.

Chompoonuch Funtha
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P/O : สัญญาจ้าง
Project Name : Hilton Garden Inn Phuket Bangtao
Project Location :

Lot ID: 24110201

Date Received : Oct 17, 2024

Date Reported : Oct 28, 2024

Report Number : 3147821-1

Page 1 of 1

Sample Number 24110201-1
Sampled Date Oct 16, 2024 2:10 PM
Sample Description สระว่ายน้ำ
Location สระที่ 1 (ลีก)
Date Analysis Commenced Oct 17, 2024
Condition of Sample Contained in two plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Microbiological Testing							
<i>Escherichia coli</i>	in 100 mL	-	-	Not Detected	Not Detected	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 9221 B, F	Songkhla
Fecal Coliform	in 100 mL	-	-	Not Detected	Not Detected	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 9221 B, E	Songkhla
<i>Pseudomonas aeruginosa</i>	in 100 mL	-	-	Not Detected	Not Detected	In-house method in connection with: - Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 9213 E	Bangkok
<i>Staphylococcus aureus</i>	in 100 mL	-	-	Not Detected	Not Detected	In-house method : STM No. 14-039 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 9213 B and FDA Bacteriological Analytical Manual online, Chapter 12, 2016	Songkhla
Total Coliform	in 100 mL	-	-	Not Detected	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 9221 B	Songkhla

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Sampling By : Sakkarin Panpheng

Remark :

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

Approved by

Chompoonuch F.

Chompoonuch Funtha
Supervisor

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Analysis / Test Report

Client : Stone Bitter Co., Ltd.
111 Soi Chengtalay 16, Srisoonthorn Road, Chengtalay, Thalang, Phuket Thailand 83110
P/O : สัญญาจ้าง
Project Name : Hilton Garden Inn Phuket Bangtao
Project Location :

Lot ID: 24110201

Date Received : Oct 17, 2024

Date Reported : Oct 28, 2024

Report Number : 3147822-1

Page 1 of 1

Sample Number 24110201-2
Sampled Date Oct 16, 2024 2:00 PM
Sample Description สระว่ายน้ำ
Location สระที่ 1 (ตื้น)
Date Analysis Commenced Oct 17, 2024
Condition of Sample Contained in two plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Microbiological Testing							
<i>Escherichia coli</i>	in 100 mL	-	-	Not Detected	Not Detected	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 9221 B, F	Songkhla
Fecal Coliform	in 100 mL	-	-	Not Detected	Not Detected	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 9221 B, E	Songkhla
<i>Pseudomonas aeruginosa</i>	in 100 mL	-	-	Not Detected	Not Detected	In-house method in connection with: - Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 9213 E	Bangkok
<i>Staphylococcus aureus</i>	in 100 mL	-	-	Not Detected	Not Detected	In-house method : STM No. 14-039 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 9213 B and FDA Bacteriological Analytical Manual online, Chapter 12, 2016	Songkhla
Total Coliform	in 100 mL	-	-	Not Detected	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 9221 B	Songkhla

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Sampling By : Sakkarin Panpheng

Remark :

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

Approved by

Chompoonuch F.

Chompoonuch Funtha
Supervisor

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P/O : สัญญาจ้าง
Project Name : Hilton Garden Inn Phuket Bangtao
Project Location :

Lot ID: 24110201

Date Received : Oct 17, 2024

Date Reported : Oct 28, 2024

Report Number : 3147823-1

Page 1 of 1

Sample Number 24110201-3
Sampled Date Oct 16, 2024 2:30 PM
Sample Description สระว่ายน้ำ
Location สระที่ 2 (ลึก)
Date Analysis Commenced Oct 17, 2024
Condition of Sample Contained in two plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Microbiological Testing							
<i>Escherichia coli</i>	in 100 mL	-	-	Not Detected	Not Detected	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 9221 B, F	Songkhla
Fecal Coliform	in 100 mL	-	-	Not Detected	Not Detected	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 9221 B, E	Songkhla
<i>Pseudomonas aeruginosa</i>	in 100 mL	-	-	Not Detected	Not Detected	In-house method in connection with: - Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 9213 E	Bangkok
<i>Staphylococcus aureus</i>	in 100 mL	-	-	Not Detected	Not Detected	In-house method : STM No. 14-039 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 9213 B and FDA Bacteriological Analytical Manual online, Chapter 12, 2016	Songkhla
Total Coliform	in 100 mL	-	-	Not Detected	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 9221 B	Songkhla

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Sampling By : Sakkarin Panpheng

Remark :

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

Approved by

Chompoonuch F.

Chompoonuch Funtha
Supervisor

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P/O : สัญญาจ้าง
Project Name : Hilton Garden Inn Phuket Bangtao
Project Location :

Lot ID: 24110201

Date Received : Oct 17, 2024

Date Reported : Oct 28, 2024

Report Number : 3147824-1

Page 1 of 1

Sample Number 24110201-4
Sampled Date Oct 16, 2024 2:20 PM
Sample Description สระว่ายน้ำ
Location สระที่ 2 (ตื้น)
Date Analysis Commenced Oct 17, 2024
Condition of Sample Contained in two plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Microbiological Testing							
<i>Escherichia coli</i>	in 100 mL	-	-	Not Detected	Not Detected	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 9221 B, F	Songkhla
Fecal Coliform	in 100 mL	-	-	Not Detected	Not Detected	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 9221 B, E	Songkhla
<i>Pseudomonas aeruginosa</i>	in 100 mL	-	-	Not Detected	Not Detected	In-house method in connection with: - Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 9213 E	Bangkok
<i>Staphylococcus aureus</i>	in 100 mL	-	-	Not Detected	Not Detected	In-house method : STM No. 14-039 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 9213 B and FDA Bacteriological Analytical Manual online, Chapter 12, 2016	Songkhla
Total Coliform	in 100 mL	-	-	Not Detected	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 9221 B	Songkhla

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Sampling By : Sakkarin Panpheng

Remark :

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

Approved by

Chompoonuch F.

Chompoonuch Funtha
Supervisor

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P/O : สัญญาจ้าง
Project Name : Hilton Garden Inn Phuket Bangtao
Project Location :

Lot ID: 24133486
Date Received : Nov 27, 2024
Date Reported : Dec 07, 2024
Report Number : 3186606-1

Page 1 of 1

Sample Number 24133486-1
Sampled Date Nov 26, 2024 1:00 PM
Sample Description สระว่ายน้ำ
Location สระที่ 1 "สระใหญ่"
Date Analysis Commenced Nov 27, 2024
Condition of Sample Contained in three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Ammonium	mg/L	-	0.06	<0.06	No Standard	Based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-NH3 F	Bangkok
Chloride as Cl	mg/L	0.06	0.2	3248	≤600	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4110 B	Bangkok
Cyanuric acid	mg/L	2	7	Not Detected	30-60	Colorimetric Method	Bangkok
Nitrate as NO3	mg/L	0.3	1.0	10.1	≤50	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4110 B	Bangkok
pH at 25 degree C		-	-	7.3	7.2-8.4	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Songkhla
Residual Free Chlorine	mg/L	-	0.1	0.2	0.6-1.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-Cl (F)	Songkhla
Total Chlorine	mg/L	-	0.1	0.3	No Standard	Based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-Cl (F)	Songkhla
Total Hardness as CaCO3	mg/L	-	1	37	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2340 C	Songkhla

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Sampling By : Thaksin Aintrom , Furakan Kasetka

Remark :
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Approved by

Ananta B.

Ananta Boonphet
Scientist (2)

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P/O : สัญญาจ้าง
Project Name : Hilton Garden Inn Phuket Bangtao
Project Location :

Lot ID: 24133486
Date Received : Nov 27, 2024
Date Reported : Dec 07, 2024
Report Number : 3186607-1

Page 1 of 1

Sample Number 24133486-2
Sampled Date Nov 26, 2024 1:20 PM
Sample Description สระว่ายน้ำ
Location สระที่ 2 "สระเล็ก"
Date Analysis Commenced Nov 27, 2024
Condition of Sample Contained in three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Ammonium	mg/L	-	0.06	<0.06	No Standard	Based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-NH3 F	Bangkok
Chloride as Cl	mg/L	0.06	0.2	4033	≤600	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4110 B	Bangkok
Cyanuric acid	mg/L	2	7	Not Detected	30-60	Colorimetric Method	Bangkok
Nitrate as NO3	mg/L	0.3	1.0	10.6	≤50	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4110 B	Bangkok
pH at 25 degree C		-	-	7.2	7.2-8.4	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Songkhla
Residual Free Chlorine	mg/L	-	0.1	0.1	0.6-1.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-Cl (F)	Songkhla
Total Chlorine	mg/L	-	0.1	0.2	No Standard	Based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-Cl (F)	Songkhla
Total Hardness as CaCO3	mg/L	-	1	38	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2340 C	Songkhla

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Sampling By : Thaksin Aintrom , Furakan Kasetka

Remark :
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Approved by

Ananta B.

Ananta Boonphet
Scientist (2)

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P/O : สัญญาจ้าง
Project Name : Hilton Garden Inn Phuket Bangtao
Project Location :

Lot ID: 24133486

Date Received : Nov 27, 2024

Date Reported : Dec 07, 2024

Report Number : 3186608-1

Page 1 of 1

Sample Number 24133486-3
Sampled Date Nov 26, 2024 1:05 PM
Sample Description สระว่ายน้ำ
Location สระที่ 1 (ลึก) สระใหญ่
Date Analysis Commenced Nov 27, 2024
Condition of Sample Contained in two plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Microbiological Testing							
<i>Escherichia coli</i>	in 100 mL	-	-	Not Detected	Not Detected	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 9221 B, F	Songkhla
Fecal Coliform	in 100 mL	-	-	Not Detected	Not Detected	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 9221 B, E	Songkhla
<i>Pseudomonas aeruginosa</i>	in 100 mL	-	-	Not Detected	Not Detected	In-house method in connection with: - Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 9213 E	Bangkok
<i>Staphylococcus aureus</i>	in 100 mL	-	-	Not Detected	Not Detected	In-house method : STM No. 14-039 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 9213 B and FDA Bacteriological Analytical Manual online, Chapter 12, 2016	Songkhla
Total Coliform	in 100 mL	-	-	Not Detected	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 9221 B	Songkhla

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Sampling By : Thaksin Aintrom , Furakan Kasetka

Remark :

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- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)

Approved by

Chompoonuch F.

Chompoonuch Funtha
Supervisor

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P/O : สัญญาจ้าง
Project Name : Hilton Garden Inn Phuket Bangtao
Project Location :

Lot ID: 24133486

Date Received : Nov 27, 2024

Date Reported : Dec 07, 2024

Report Number : 3186609-1

Page 1 of 1

Sample Number 24133486-4
Sampled Date Nov 26, 2024 1:00 PM
Sample Description สระว่ายน้ำ
Location สระที่ 1 (ดิน) สระใหญ่
Date Analysis Commenced Nov 27, 2024
Condition of Sample Contained in two plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Microbiological Testing							
<i>Escherichia coli</i>	in 100 mL	-	-	Not Detected	Not Detected	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 9221 B, F	Songkhla
Fecal Coliform	in 100 mL	-	-	Not Detected	Not Detected	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 9221 B, E	Songkhla
<i>Pseudomonas aeruginosa</i>	in 100 mL	-	-	Not Detected	Not Detected	In-house method in connection with: - Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 9213 E	Bangkok
<i>Staphylococcus aureus</i>	in 100 mL	-	-	Not Detected	Not Detected	In-house method : STM No. 14-039 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 9213 B and FDA Bacteriological Analytical Manual online, Chapter 12, 2016	Songkhla
Total Coliform	in 100 mL	-	-	Not Detected	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 9221 B	Songkhla

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Sampling By : Thaksin Aintrom , Furakan Kasetka

Remark :

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- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)

Approved by

Chompoonuch F.

Chompoonuch Funtha
Supervisor

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P/O : สัญญาจ้าง
Project Name : Hilton Garden Inn Phuket Bangtao
Project Location :

Lot ID: 24133486

Date Received : Nov 27, 2024

Date Reported : Dec 07, 2024

Report Number : 3186610-1

Page 1 of 1

Sample Number 24133486-5
Sampled Date Nov 26, 2024 1:25 PM
Sample Description สระว่ายน้ำ
Location สระที่ 2 (ลึก) สระเล็ก
Date Analysis Commenced Nov 27, 2024
Condition of Sample Contained in two plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Microbiological Testing							
<i>Escherichia coli</i>	in 100 mL	-	-	Not Detected	Not Detected	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 9221 B, F	Songkhla
Fecal Coliform	in 100 mL	-	-	Not Detected	Not Detected	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 9221 B, E	Songkhla
<i>Pseudomonas aeruginosa</i>	in 100 mL	-	-	Not Detected	Not Detected	In-house method in connection with: - Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 9213 E	Bangkok
<i>Staphylococcus aureus</i>	in 100 mL	-	-	Not Detected	Not Detected	In-house method : STM No. 14-039 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 9213 B and FDA Bacteriological Analytical Manual online, Chapter 12, 2016	Songkhla
Total Coliform	in 100 mL	-	-	Not Detected	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 9221 B	Songkhla

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Sampling By : Thaksin Aintrom , Furakan Kasetka

Remark :

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

Approved by

Chompoonuch F.

Chompoonuch Funtha
Supervisor

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Analysis / Test Report

Client : Stone Bitter Co., Ltd.
111 Soi Chengtalay 16, Srisoonthorn Road, Chengtalay, Thalang, Phuket Thailand 83110
P/O : สัญญาจ้าง
Project Name : Hilton Garden Inn Phuket Bangtao
Project Location :

Lot ID: 24133486

Date Received : Nov 27, 2024

Date Reported : Dec 07, 2024

Report Number : 3186611-1

Page 1 of 1

Sample Number 24133486-6
Sampled Date Nov 26, 2024 1:20 PM
Sample Description สระว่ายน้ำ
Location สระที่ 2 (ตื้น) สระเล็ก
Date Analysis Commenced Nov 27, 2024
Condition of Sample Contained in two plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Microbiological Testing							
<i>Escherichia coli</i>	in 100 mL	-	-	Not Detected	Not Detected	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 9221 B, F	Songkhla
Fecal Coliform	in 100 mL	-	-	Not Detected	Not Detected	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 9221 B, E	Songkhla
<i>Pseudomonas aeruginosa</i>	in 100 mL	-	-	Not Detected	Not Detected	In-house method in connection with: - Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 9213 E	Bangkok
<i>Staphylococcus aureus</i>	in 100 mL	-	-	Not Detected	Not Detected	In-house method : STM No. 14-039 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 9213 B and FDA Bacteriological Analytical Manual online, Chapter 12, 2016	Songkhla
Total Coliform	in 100 mL	-	-	Not Detected	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 9221 B	Songkhla

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Sampling By : Thaksin Aintrom , Furakan Kasetka

Remark :

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

Approved by

Chompoonuch F.

Chompoonuch Funtha
Supervisor

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Analysis / Test Report

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111 Soi Chengtalay 16, Srisoonthorn Road, Chengtalay, Thalang, Phuket Thailand 83110
P/O : สัญญาจ้าง
Project Name : Hilton Garden Inn Phuket Bangtao
Project Location :

Lot ID: 24118667

Date Received : Dec 17, 2024

Date Reported : Dec 25, 2024

Report Number : 3203355-1

Page 1 of 1

Sample Number 24118667-1
Sampled Date Dec 16, 2024 2:13 PM
Sample Description สระว่ายน้ำ
Location สระที่ 1 (ลึก) สระใหญ่
Date Analysis Commenced Dec 17, 2024
Condition of Sample Contained in one plastic bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Microbiological Testing							
<i>Escherichia coli</i>	in 100 mL	-	-	Not Detected	Not Detected	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 9221 B, F	Songkhla
Fecal Coliform	in 100 mL	-	-	Not Detected	Not Detected	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 9221 B, E	Songkhla
<i>Pseudomonas aeruginosa</i>	in 100 mL	-	-	Not Detected	Not Detected	In-house method in connection with: - Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 9213 E	Bangkok
<i>Staphylococcus aureus</i>	in 100 mL	-	-	Not Detected	Not Detected	In-house method : STM No. 14-039 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 9213 B and FDA Bacteriological Analytical Manual online, Chapter 12, 2016	Songkhla
Total Coliform	in 100 mL	-	-	Not Detected	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 9221 B	Songkhla

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Sampling By : Yuttapong Rattana , Sakkarin Panpheng

Remark :

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

Approved by

Tuanjai Thangklang
Manager

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Analysis / Test Report

Client : Stone Bitter Co., Ltd.
111 Soi Chengtalay 16, Srisoonthorn Road, Chengtalay, Thalang, Phuket Thailand 83110
P/O : สัญญาจ้าง
Project Name : Hilton Garden Inn Phuket Bangtao
Project Location :

Lot ID: 24118667

Date Received : Dec 17, 2024

Date Reported : Dec 25, 2024

Report Number : 3203356-1

Page 1 of 1

Sample Number 24118667-2
Sampled Date Dec 16, 2024 2:10 PM
Sample Description สระว่ายน้ำ
Location สระที่ 1 (ดิน) สระใหญ่
Date Analysis Commenced Dec 17, 2024
Condition of Sample Contained in one plastic bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Microbiological Testing							
<i>Escherichia coli</i>	in 100 mL	-	-	Not Detected	Not Detected	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 9221 B, F	Songkhla
Fecal Coliform	in 100 mL	-	-	Not Detected	Not Detected	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 9221 B, E	Songkhla
<i>Pseudomonas aeruginosa</i>	in 100 mL	-	-	Not Detected	Not Detected	In-house method in connection with: - Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 9213 E	Bangkok
<i>Staphylococcus aureus</i>	in 100 mL	-	-	Not Detected	Not Detected	In-house method : STM No. 14-039 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 9213 B and FDA Bacteriological Analytical Manual online, Chapter 12, 2016	Songkhla
Total Coliform	in 100 mL	-	-	Not Detected	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 9221 B	Songkhla

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Sampling By : Yuttapong Rattana , Sakkarin Panpheng

Remark :

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

Approved by

Tuanjai Thangklang
Manager

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Analysis / Test Report

Client : Stone Bitter Co., Ltd.
111 Soi Chengtalay 16, Srisoonthorn Road, Chengtalay, Thalang, Phuket Thailand 83110
P/O : สัญญาจ้าง
Project Name : Hilton Garden Inn Phuket Bangtao
Project Location :

Lot ID: 24118667

Date Received : Dec 17, 2024

Date Reported : Dec 25, 2024

Report Number : 3203357-1

Page 1 of 1

Sample Number 24118667-3
Sampled Date Dec 16, 2024 2:21 PM
Sample Description สระว่ายน้ำ
Location สระที่ 2 (ลึก) สระเล็ก
Date Analysis Commenced Dec 17, 2024
Condition of Sample Contained in one plastic bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Microbiological Testing							
<i>Escherichia coli</i>	in 100 mL	-	-	Not Detected	Not Detected	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 9221 B, F	Songkhla
Fecal Coliform	in 100 mL	-	-	Not Detected	Not Detected	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 9221 B, E	Songkhla
<i>Pseudomonas aeruginosa</i>	in 100 mL	-	-	Not Detected	Not Detected	In-house method in connection with: - Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 9213 E	Bangkok
<i>Staphylococcus aureus</i>	in 100 mL	-	-	Not Detected	Not Detected	In-house method : STM No. 14-039 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 9213 B and FDA Bacteriological Analytical Manual online, Chapter 12, 2016	Songkhla
Total Coliform	in 100 mL	-	-	Not Detected	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 9221 B	Songkhla

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Sampling By : Yuttapong Rattana , Sakkarin Panpheng

Remark :

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

Approved by

Tuanjai Thangklang
Manager

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P/O : สัญญาจ้าง
Project Name : Hilton Garden Inn Phuket Bangtao
Project Location :

Lot ID: 24118667

Date Received : Dec 17, 2024

Date Reported : Dec 25, 2024

Report Number : 3203358-1

Page 1 of 1

Sample Number 24118667-4
Sampled Date Dec 16, 2024 2:18 PM
Sample Description สระว่ายน้ำ
Location สระที่ 2 (ตื้น) สระเล็ก
Date Analysis Commenced Dec 17, 2024
Condition of Sample Contained in one plastic bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Microbiological Testing							
<i>Escherichia coli</i>	in 100 mL	-	-	Not Detected	Not Detected	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 9221 B, F	Songkhla
Fecal Coliform	in 100 mL	-	-	Not Detected	Not Detected	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 9221 B, E	Songkhla
<i>Pseudomonas aeruginosa</i>	in 100 mL	-	-	Not Detected	Not Detected	In-house method in connection with: - Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 9213 E	Bangkok
<i>Staphylococcus aureus</i>	in 100 mL	-	-	Not Detected	Not Detected	In-house method : STM No. 14-039 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 9213 B and FDA Bacteriological Analytical Manual online, Chapter 12, 2016	Songkhla
Total Coliform	in 100 mL	-	-	Not Detected	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 9221 B	Songkhla

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Sampling By : Yuttapong Rattana , Sakkarin Panpheng

Remark :

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

Approved by

Tuanjai Thangklang
Manager

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ผลการตรวจวิเคราะห์คุณภาพน้ำใช้



Analysis / Test Report

TESTING
No.0166

Client : Stone Bitter Co., Ltd.
111 Soi Chengtalay 16, Srisoonthorn Road, Chengtalay, Thalang, Phuket Thailand 83110

P/O : สัญญาจ้าง

Project Name : Hilton Garden Inn Phuket Bangtao

Project Location :

Lot ID: 2481442

Date Received : Aug 31, 2024

Date Reported : Sep 10, 2024

Report Number : 3106275-1

Page 1 of 1

Sample Number	2481442-1
Sampled Date	Aug 30, 2024 2:12 PM
Sample Description	ถังสำรองน้ำใช้
Location	ถังที่ 1 (ถังทางด้านซ้าย)
Date Analysis Commenced	Aug 31, 2024
Condition of Sample	Contained in one plastic bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Microbiological Testing							
<i>Clostridium perfringens</i>	in 100 mL	-	-	Not Detected	Not Detected	In-house method : STM No. 14-017 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9260 A, B and FDA Bacteriological Analytical Manual online, Chapter 16, 2001	Songkhla
<i>Escherichia coli</i>	in 100 mL	-	-	Not Detected	Not Detected	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B, F	Songkhla
<i>Staphylococcus aureus</i>	in 100 mL	-	-	Not Detected	Not Detected	In-house method : STM No. 14-039 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9213 B and FDA Bacteriological Analytical Manual online, Chapter 12, 2016	Songkhla
Total Coliform	in 100 mL	-	-	Not Detected	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B	Songkhla

Guideline : Thai Industrial Standard No. 257-2549 refer to Notification of the Ministry of Industry No. 3470 (B.E. 2549).

Sampling By : Yuttapong Rattana , Sakkarin Panpheng

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.

Approved by

Chompoonuch F.

Chompoonuch Funtha
Supervisor

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Analysis / Test Report

TESTING
No.0166

Client : Stone Bitter Co., Ltd.
111 Soi Chengtalay 16, Srisoonthorn Road, Chengtalay, Thalang, Phuket Thailand 83110

P/O : สัญญาจ้าง

Project Name : Hilton Garden Inn Phuket Bangtao

Project Location :

Lot ID: 2481442

Date Received : Aug 31, 2024

Date Reported : Sep 10, 2024

Report Number : 3106276-1

Page 1 of 1

Sample Number	2481442-2
Sampled Date	Aug 30, 2024 2:17 PM
Sample Description	ถังสำรองน้ำใช้
Location	ถังที่ 2 (ถังทางด้านขวา)
Date Analysis Commenced	Aug 31, 2024
Condition of Sample	Contained in one plastic bottle, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Microbiological Testing							
<i>Clostridium perfringens</i>	in 100 mL	-	-	Not Detected	Not Detected	In-house method : STM No. 14-017 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9260 A, B and FDA Bacteriological Analytical Manual online, Chapter 16, 2001	Songkhla
<i>Escherichia coli</i>	in 100 mL	-	-	Not Detected	Not Detected	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B, F	Songkhla
<i>Staphylococcus aureus</i>	in 100 mL	-	-	Not Detected	Not Detected	In-house method : STM No. 14-039 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9213 B and FDA Bacteriological Analytical Manual online, Chapter 12, 2016	Songkhla
Total Coliform	in 100 mL	-	-	Not Detected	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B	Songkhla

Guideline : Thai Industrial Standard No. 257-2549 refer to Notification of the Ministry of Industry No. 3470 (B.E. 2549).

Sampling By : Yuttapong Rattana , Sakkarin Panpheng

Remark :

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

Approved by

Chompoonuch F.

Chompoonuch Funtha
Supervisor

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ของระบบปรับอากาศของแต่ละเครื่องในพื้นที่ส่วนกลาง



Analysis / Test Report

Client : Stone Bitter Co., Ltd.
111 Soi Chengtalay 16, Srisoonthorn Road, Chengtalay, Thalang, Phuket Thailand 83110
P/O : สัญญาจ้าง
Project Name : Hilton Garden Inn Phuket Bangtao
Project Location :

Lot ID: 24110206

Date Received : Oct 17, 2024

Date Reported : Nov 02, 2024

Report Number : 3119699-1

Page 1 of 1

Sample Number 24110206-1
Sampled Date Oct 16, 2024 3:30 PM
Sample Description เครื่องปรับอากาศ
Location เครื่องปรับอากาศส่วนกลาง
Date Analysis Commenced Oct 17, 2024
Condition of Sample Swab placed in a vial of sterile buffered rinse solution, refrigerated

Analyte	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Microbiological Testing						
<i>Legionella spp.</i>	CFU/Unit	-	-	<10	ISO 11731 (2017)	Bangkok

Sampling By : Sakkarin Panpheng

Remark :

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

Approved by

Sithichok T.

Sithichok Thongnguen

Scientist (3)

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