

ภาคผนวก ค

ใบรับรองผลการวิเคราะห์คุณภาพน้ำ



Analysis / Test Report

Client : Kamala Bay Ventures Co., Ltd.
16/12 Moo 6, Tambon Kamala, Kathu, Phuket Thailand 83150

P/O :

Project Name :

Project Location: EIA Monitoring

TESTING

No.0166

Lot ID: 22149148

Date Received : Jan 07, 2023

Date Reported : Jan 13, 2023

Report Number : 2542163-1

Page 1 of 2

Sample Number	22149148-1
Sampled Date	Jan 06, 2023 1:43 PM
Sample Description	Consumption Water
Location	Guest Room (Room 6014)
Date Analysis Commenced	Jan 07, 2023
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
Metals Testing							
Iron	mg/L	0.001	0.005	0.08	≤0.3	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Songkhla
Water Testing							
Bicarbonate Alkalinity as CaCO ₃ *	mg/L	-	1	150	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2320 B	Songkhla
^[A] Chloride as Cl	mg/L	0.06	0.2	10.6	≤250.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4110 B	Bangkok
Color *	Color unit	-	5	5	≤20	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2120 B	Songkhla
Conductivity *	micromhos/cm	-	0.5	528	No Standard	Based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2510 B	Songkhla
pH at 25 degree C		-	-	8.1	6.5-8.5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Songkhla
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	290	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Songkhla
Total Hardness as CaCO ₃	mg/L	-	1	114	≤100	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2340 C	Songkhla
Turbidity	NTU	-	0.1	0.95	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2130 B	Songkhla

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Approved by

Sutthirak T.

Sutthirak Tiprat
Scientist (2)

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Analysis / Test Report

TESTING

No.0166

Lot ID: 22149148

Date Received : Jan 07, 2023

Date Reported : Jan 13, 2023

Report Number : 2542163-1

Client : Kamala Bay Ventures Co., Ltd.

16/12 Moo 6, Tambon Kamala, Kathu, Phuket Thailand 83150

P/O :

Project Name :

Project Location: EIA Monitoring

Page 2 of 2

Guideline : Notification of the Ministry of Public Health No. 61 B.E. 2524 & 135 B.E. 2534 on bottled drinking water (No.2)

Sampling By :

Remark :

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025.
- [A] Analysis conducted by ALS Laboratory Group (Thailand) Co.,Ltd. Bangkok Branch, DMSc Accreditation No. 1031/47.
- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

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Sutthirak Tiprat
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Analysis / Test Report

TESTING

No.0166

Client : Kamala Bay Ventures Co., Ltd.
16/12 Moo 6, Tambon Kamala, Kathu, Phuket Thailand 83150

P/O :

Project Name :

Project Location: EIA Monitoring

Lot ID: 22149148

Date Received : Jan 07, 2023

Date Reported : Jan 13, 2023

Report Number : 2542164-1

Page 1 of 2

Sample Number	22149148-2
Sampled Date	Jan 06, 2023 2:14 PM
Sample Description	Wastewater
Location	Effluent WasteWater
Date Analysis Commenced	Jan 07, 2023
Condition of Sample	Contained in one amber glass bottle and four plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD *	mg/L	-	2	<2	≤20	Based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B	Songkhla
Oil & Grease	mg/L	-	3	<3	≤20	In-house method : STM 13-006 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Songkhla
pH at 25 degree C		-	-	6.7	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
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 103-105 degree C *	mg/L	-	5	472	(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	8.4	≤35	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Norg (C)	Bangkok
Total Suspended Solids	mg/L	-	5	7	≤30	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Songkhla

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

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

Note : สารที่ละลายได้ทั้งหมดในน้ำใช้ = 290 มิลลิกรัมต่อลิตร

Approved by

Sutthirak T.

Sutthirak Tiprat
Scientist (2)

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TESTING

No.0166

Lot ID: 22149148

Date Received : Jan 07, 2023

Date Reported : Jan 13, 2023

Report Number : 2542164-1

Client : Kamala Bay Ventures Co., Ltd.

16/12 Moo 6, Tambon Kamala, Kathu, Phuket Thailand 83150

P/O :

Project Name :

Project Location: EIA Monitoring

Page 2 of 2

Sampling By :

Remark :

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TESTING

No.0166

Client : Kamala Bay Ventures Co., Ltd.
16/12 Moo 6, Tambon Kamala, Kathu, Phuket Thailand 83150

P/O :

Project Name :

Project Location: EIA Monitoring

Lot ID: 22149148

Date Received : Jan 07, 2023

Date Reported : Jan 13, 2023

Report Number : 2542165-1

Page 1 of 1

Sample Number	22149148-3
Sampled Date	Jan 06, 2023 2:24 PM
Sample Description	Wastewater
Location	Influent WasteWater
Date Analysis Commenced	Jan 07, 2023
Condition of Sample	Contained in two BOD bottles and 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							
BOD *	mg/L	-	2	908	≤20	Based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B	Songkhla
Dissolved Oxygen *	mg/L	-	0.1	<0.1	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-O (C)	Songkhla
Mixed Liqour Suspended Solids *	mg/L	-	5	773	No Standard	Based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Songkhla
pH at 25 degree C		-	-	7.0	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
Total Suspended Solids	mg/L	-	5	750	≤30	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Songkhla

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

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

Note : สารที่ละลายได้ทั้งหมดในน้ำใช้ = 290 มิลลิกรัมต่อลิตร

Sampling By :

Remark :

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Analysis / Test Report

Client : Kamala Bay Ventures Co., Ltd.
16/12 Moo 6, Tambon Kamala, Kathu, Phuket Thailand 83150

P/O :

Project Name :

Project Location: EIA Monitoring

TESTING

No.0166

Lot ID: 237596

Date Received : Feb 04, 2023

Date Reported : Feb 11, 2023

Report Number : 2566046-1

Page 1 of 3

Sample Number	237596-1
Sampled Date	Feb 03, 2023 9:30 AM
Sample Description	Consumption Water
Location	Guest Room Room.1404
Date Analysis Commenced	Feb 04, 2023
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
Metals Testing							
Iron	mg/L	0.001	0.005	0.01	≤0.3	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Songkhla
Water Testing							
Bicarbonate Alkalinity as CaCO ₃ *	mg/L	-	1	121	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2320 B	Bangkok
Carbonate Alkalinity as CaCO ₃ *	mg/L	-	1	<1	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2320 B	Bangkok
^[A] Chloride as Cl	mg/L	0.06	0.2	261	≤250.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4110 B	Bangkok
Color *	Color unit	-	5	<5	≤20	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2120 B	Songkhla
Conductivity *	micromhos/cm	-	0.5	1047	No Standard	Based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2510 B	Songkhla
Hydroxide Alkalinity as CaCO ₃ *	mg/L	-	1	<1	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2320 B	Bangkok
Methyl Orange Alkalinity as CaCO ₃ *	mg/L	-	1	121	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2320 B	Bangkok
Permanent Hardness as CaCO ₃ *	mg/L	-	1	70	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2320 B	Bangkok

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Sutthirak Tiprat
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Analysis / Test Report

TESTING
No.0166

Client : Kamala Bay Ventures Co., Ltd.
16/12 Moo 6, Tambon Kamala, Kathu, Phuket Thailand 83150

P/O :

Project Name :

Project Location: EIA Monitoring

Lot ID: 237596

Date Received : Feb 04, 2023

Date Reported : Feb 11, 2023

Report Number : 2566046-1

Page 2 of 3

Sample Number	237596-1
Sampled Date	Feb 03, 2023 9:30 AM
Sample Description	Consumption Water
Location	Guest Room Room.1404
Date Analysis Commenced	Feb 04, 2023
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							
pH at 25 degree C		-	-	7.1	6.5-8.5	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
Phenolphthalein Alkalinity as CaCO ₃ *	mg/L	-	1	<1	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2320 B	Bangkok
Residual Alkalinity *	mg/L	-	1	<1	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2320 B	Bangkok
Temporary Hardness as CaCO ₃ *	mg/L	-	1	121	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2320 B	Bangkok
Total Alkalinity as CaCO ₃ *	mg/L	-	1	121	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2320 B	Bangkok
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	580	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Songkhla
^[A] Total Hardness as CaCO ₃	mg/L	-	1	191	≤100	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2340 C, 2340 C	Bangkok
Turbidity	NTU	-	0.1	0.46	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2130 B	Songkhla

Guideline : Notification of the Ministry of Public Health No. 61 B.E. 2524 & 135 B.E. 2534 on bottled drinking water (No.2) & Pathogenic 416 B.E. 2563

Sampling By : Yuttapong Rattana , Thaksin Aintrom

Remark :

Approved by

Sutthirak T.

Sutthirak Tiprat
Scientist (2)

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Analysis / Test Report

TESTING

No.0166

Client : Kamala Bay Ventures Co., Ltd.
16/12 Moo 6, Tambon Kamala, Kathu, Phuket Thailand 83150

P/O :

Project Name :

Project Location: EIA Monitoring

Lot ID: 237596

Date Received : Feb 04, 2023

Date Reported : Feb 11, 2023

Report Number : 2566046-1

Page 3 of 3

- LOD : Limit of Detection
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- Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025.
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Analysis / Test Report

TESTING
No.0166

Client : Kamala Bay Ventures Co., Ltd.
16/12 Moo 6, Tambon Kamala, Kathu, Phuket Thailand 83150

P/O :

Project Name :

Project Location: EIA Monitoring

Lot ID: 237596

Date Received : Feb 04, 2023

Date Reported : Feb 10, 2023

Report Number : 2566047-1

Page 1 of 2

Sample Number	237596-2
Sampled Date	Feb 03, 2023 10:20 AM
Sample Description	Wastewater
Location	Effluent WasteWater
Date Analysis Commenced	Feb 04, 2023
Condition of Sample	Contained in one amber glass bottle and four plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD *	mg/L	-	2	<2	≤20	Based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B	Songkhla
Oil & Grease	mg/L	-	3	<3	≤20	In-house method : STM 13-006 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Songkhla
pH at 25 degree C		-	-	7.2	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
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 103-105 degree C *	mg/L	-	5	468	(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	13.6	≤35	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Norg (C)	Bangkok
Total Suspended Solids	mg/L	-	5	20	≤30	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Songkhla

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

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

Note : สารที่ละลายได้ทั้งหมดในน้ำใช้ = 580 มิลลิกรัมต่อลิตร

Approved by

Sutthirak T.

Sutthirak Tiprat
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TESTING
No.0166

Client : Kamala Bay Ventures Co., Ltd.
16/12 Moo 6, Tambon Kamala, Kathu, Phuket Thailand 83150

P/O :

Project Name :

Project Location: EIA Monitoring

Lot ID: 237596

Date Received : Feb 04, 2023

Date Reported : Feb 10, 2023

Report Number : 2566047-1

Page 2 of 2

Sampling By : Yuttapong Rattana , Thaksin Aintrom

Remark :

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16/12 Moo 6, Tambon Kamala, Kathu, Phuket Thailand 83150

P/O :

Project Name :

Project Location : EIA Monitoring

Lot ID: 237596

Date Received : Feb 04, 2023

Date Reported : Feb 10, 2023

Report Number : 2566048-1

Page 1 of 1

Sample Number	237596-3
Sampled Date	Feb 03, 2023 10:30 AM
Sample Description	Wastewater
Location	Influent WasteWater
Date Analysis Commenced	Feb 04, 2023
Condition of Sample	Contained in two BOD bottles and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Water Testing						
BOD *	mg/L	-	2	430	Based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B	Songkhla
Dissolved Oxygen *	mg/L	-	0.1	<0.1	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-O (C)	Songkhla
Mixed Liquor Suspended Solids *	mg/L	-	5	1665	Based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Songkhla
pH at 25 degree C		-	-	6.5	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
Total Suspended Solids	mg/L	-	5	1734	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Songkhla

Note : สารที่ละลายได้ทั้งหมดในน้ำใช้ = 580 มิลลิกรัมต่อลิตร

Sampling By : Yuttapong Rattana , Thaksin Aintrom

Remark :

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

Sutthirak T.

Sutthirak Tiprat
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Analysis / Test Report

Client : Kamala Bay Ventures Co., Ltd.
16/12 Moo 6, Tambon Kamala, Kathu, Phuket Thailand 83150

P/O : 0000162819-3

Project Name :

Project Location: EIA Monitoring

TESTING

No.0166

Lot ID: 2321869

Date Received : Mar 21, 2023

Date Reported : Mar 27, 2023

Report Number : 2603349-1

Page 1 of 3

Sample Number	2321869-1
Sampled Date	Mar 20, 2023 1:34 PM
Sample Description	Consumption Water
Location	Guest Room Room 8002
Date Analysis Commenced	Mar 21, 2023
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
Metals Testing							
Iron	mg/L	0.001	0.005	0.12	≤0.3	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Songkhla
Water Testing							
Bicarbonate Alkalinity as CaCO ₃ *	mg/L	-	1	81	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2320 B	Bangkok
Carbonate Alkalinity as CaCO ₃ *	mg/L	-	1	<1	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2320 B	Bangkok
^[A] Chloride as Cl	mg/L	0.06	0.2	210	≤250.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4110 B	Bangkok
Color *	Color unit	-	5	<5	≤20	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2120 B	Songkhla
Conductivity *	micromhos/cm	-	0.5	710	No Standard	Based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2510 B	Songkhla
Hydroxide Alkalinity as CaCO ₃ *	mg/L	-	1	<1	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2320 B	Bangkok
Methyl Orange Alkalinity as CaCO ₃ *	mg/L	-	1	81	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2320 B	Bangkok
Permanent Hardness as CaCO ₃ *	mg/L	-	1	41	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2320 B	Bangkok

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Approved by

Ananta B.

Ananta Boonphet
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Analysis / Test Report

TESTING
No.0166

Client : Kamala Bay Ventures Co., Ltd.
16/12 Moo 6, Tambon Kamala, Kathu, Phuket Thailand 83150

P/O : 0000162819-3

Project Name :

Project Location: EIA Monitoring

Lot ID: 2321869

Date Received : Mar 21, 2023

Date Reported : Mar 27, 2023

Report Number : 2603349-1

Page 2 of 3

Sample Number	2321869-1
Sampled Date	Mar 20, 2023 1:34 PM
Sample Description	Consumption Water
Location	Guest Room Room 8002
Date Analysis Commenced	Mar 21, 2023
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							
pH at 25 degree C		-	-	7.5	6.5-8.5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Songkhla
Phenolphthalein Alkalinity as CaCO ₃ *	mg/L	-	1	<1	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2320 B	Bangkok
Residual Alkalinity *	mg/L	-	1	<1	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2320 B	Bangkok
Temporary Hardness as CaCO ₃ *	mg/L	-	1	81	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2320 B	Bangkok
Total Alkalinity as CaCO ₃ *	mg/L	-	1	81	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2320 B	Bangkok
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	386	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Songkhla
^[A] Total Hardness as CaCO ₃	mg/L	-	1	122	≤100	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2340 C, 2340 C	Bangkok
Turbidity	NTU	-	0.1	1.13	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2130 B	Songkhla

Guideline : Notification of the Ministry of Public Health No. 61 B.E. 2524 & 135 B.E. 2534 on bottled drinking water (No.2) & Pathogenic 416 B.E. 2563

Sampling By : Yuttapong Rattana , Thaksin Aintrom

Remark :

- LOD : Limit of Detection

Approved by

Ananta B.

Ananta Boonphet
Scientist (2)

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Analysis / Test Report

TESTING

No.0166

Lot ID: 2321869

Date Received : Mar 21, 2023

Date Reported : Mar 27, 2023

Report Number : 2603349-1

Client : Kamala Bay Ventures Co., Ltd.

16/12 Moo 6, Tambon Kamala, Kathu, Phuket Thailand 83150

P/O : 0000162819-3

Project Name :

Project Location: EIA Monitoring

Page 3 of 3

- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
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- [A] Analysis conducted by ALS Laboratory Group (Thailand) Co.,Ltd. Bangkok Branch, DMSc Accreditation No. 1031/47.
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Analysis / Test Report

TESTING

No.0166

Client : Kamala Bay Ventures Co., Ltd.
16/12 Moo 6, Tambon Kamala, Kathu, Phuket Thailand 83150

P/O : 0000162819-3

Project Name :

Project Location: EIA Monitoring

Lot ID: 2321869

Date Received : Mar 21, 2023

Date Reported : Mar 27, 2023

Report Number : 2603350-1

Page 1 of 2

Sample Number	2321869-2
Sampled Date	Mar 20, 2023 2:02 PM
Sample Description	Wastewater
Location	Effluent WasteWater
Date Analysis Commenced	Mar 21, 2023
Condition of Sample	Contained in one amber glass bottle and four plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD *	mg/L	-	2	3.4	≤20	Based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B	Songkhla
Oil & Grease	mg/L	-	3	<3	≤20	In-house method : STM 13-006 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Songkhla
pH at 25 degree C		-	-	7.3	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
Sulfide *	mg/L	-	0.5	1.8	≤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	460	(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	16.1	≤35	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Norg (C)	Bangkok
Total Suspended Solids	mg/L	-	5	14	≤30	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Songkhla

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

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

Sampling By : Yuttapong Rattana , Thaksin Aintrom

Remark :

Approved by

Ananta B.

Ananta Boonphet
Scientist (2)

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Analysis / Test Report

TESTING

No.0166

Lot ID: 2321869

Date Received : Mar 21, 2023

Date Reported : Mar 27, 2023

Report Number : 2603350-1

Client : Kamala Bay Ventures Co., Ltd.

16/12 Moo 6, Tambon Kamala, Kathu, Phuket Thailand 83150

P/O : 0000162819-3

Project Name :

Project Location: EIA Monitoring

Page 2 of 2

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

TESTING
No.0166

Client : Kamala Bay Ventures Co., Ltd.
16/12 Moo 6, Tambon Kamala, Kathu, Phuket Thailand 83150
P/O : 0000162819-3
Project Name :
Project Location : EIA Monitoring

Lot ID: 2321869

Date Received : Mar 21, 2023
Date Reported : Mar 27, 2023
Report Number : 2603351-1

Page 1 of 1

Sample Number 2321869-3
Sampled Date Mar 20, 2023 2:15 PM
Sample Description Wastewater
Location Influent WasteWater
Date Analysis Commenced Mar 21, 2023
Condition of Sample Contained in two BOD bottles and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Water Testing						
BOD *	mg/L	-	2	5370	Based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B	Songkhla
Dissolved Oxygen *	mg/L	-	0.1	<0.1	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-O (C)	Songkhla
Mixed Liquor Suspended Solids *	mg/L	-	5	6800	Based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Songkhla
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
Total Suspended Solids	mg/L	-	5	6800	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Songkhla

Sampling By : Yuttapong Rattana , Thaksin Aintrom

Remark :

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P/O : 0000162819-3

Project Name :

Project Location: EIA Monitoring

TESTING

No.0166

Lot ID: 2330351

Date Received : Apr 29, 2023

Date Reported : May 23, 2023

Report Number : 2659479-1

Page 1 of 3

Sample Number	2330351-1
Sampled Date	Apr 28, 2023 10:08 AM
Sample Description	Consumption Water
Location	Guest Room Room.1212
Date Analysis Commenced	Apr 29, 2023
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
Metals Testing							
Iron	mg/L	0.001	0.005	0.03	≤0.3	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Songkhla
Water Testing							
Bicarbonate Alkalinity as CaCO ₃ *	mg/L	-	1	76	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2320 B	Bangkok
Carbonate Alkalinity as CaCO ₃ *	mg/L	-	1	<1	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2320 B	Bangkok
^[A] Chloride as Cl	mg/L	0.06	0.2	90.6	≤250.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4110 B	Bangkok
Color *	Color unit	-	5	5	≤20	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2120 B	Songkhla
Conductivity *	micromhos/cm	-	0.5	428	No Standard	Based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2510 B	Songkhla
Hydroxide Alkalinity as CaCO ₃ *	mg/L	-	1	<1	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2320 B	Bangkok
Methyl Orange Alkalinity as CaCO ₃ *	mg/L	-	1	76	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2320 B	Bangkok
Permanent Hardness as CaCO ₃ *	mg/L	-	1	2	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2320 B	Bangkok

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Analysis / Test Report

TESTING

No.0166

Client : Kamala Bay Ventures Co., Ltd.
16/12 Moo 6, Tambon Kamala, Kathu, Phuket Thailand 83150

P/O : 0000162819-3

Project Name :

Project Location: EIA Monitoring

Lot ID: 2330351

Date Received : Apr 29, 2023

Date Reported : May 23, 2023

Report Number : 2659479-1

Page 2 of 3

Sample Number	2330351-1
Sampled Date	Apr 28, 2023 10:08 AM
Sample Description	Consumption Water
Location	Guest Room Room.1212
Date Analysis Commenced	Apr 29, 2023
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							
pH at 25 degree C		-	-	7.6	6.5-8.5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Songkhla
Phenolphthalein Alkalinity as CaCO ₃ *	mg/L	-	1	<1	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2320 B	Bangkok
Residual Alkalinity *	mg/L	-	1	<1	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2320 B	Bangkok
Temporary Hardness as CaCO ₃ *	mg/L	-	1	76	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2320 B	Bangkok
Total Alkalinity as CaCO ₃ *	mg/L	-	1	76	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2320 B	Bangkok
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	240	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Songkhla
^[A] Total Hardness as CaCO ₃	mg/L	-	1	77	≤100	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2340 C, 2340 C	Bangkok
Turbidity	NTU	-	0.1	0.80	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2130 B	Songkhla

Guideline : Notification of the Ministry of Public Health No. 61 B.E. 2524 & 135 B.E. 2534 on bottled drinking water (No.2) & 316 B.E. 2553 & Pathogenic 416 B.E. 2563

Sampling By : Yuttapong Rattana , Thaksin Aintrom

Remark :

Approved by

Ananta B.

Ananta Boonphet
Scientist (2)

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Analysis / Test Report

TESTING
No.0166

Client : Kamala Bay Ventures Co., Ltd.
16/12 Moo 6, Tambon Kamala, Kathu, Phuket Thailand 83150

P/O : 0000162819-3

Project Name :

Project Location: EIA Monitoring

Lot ID: 2330351

Date Received : Apr 29, 2023

Date Reported : May 23, 2023

Report Number : 2659479-1

Page 3 of 3

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

TESTING
No.0166

Client : Kamala Bay Ventures Co., Ltd.
16/12 Moo 6, Tambon Kamala, Kathu, Phuket Thailand 83150

P/O : 0000162819-3

Project Name :

Project Location: EIA Monitoring

Lot ID: 2330351

Date Received : Apr 29, 2023

Date Reported : May 23, 2023

Report Number : 2659480-1

Page 1 of 2

Sample Number	2330351-2						
Sampled Date	Apr 28, 2023 10:40 AM						
Sample Description	Wastewater						
Location	Effluent WasteWater						
Date Analysis Commenced	Apr 29, 2023						
Condition of Sample	Contained in one amber glass bottle and four plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD (5 days at 20 degree C) *	mg/L	-	2.0	122	≤20	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, 4500 - O (C)	Bangkok
Oil & Grease	mg/L	-	3	9	≤20	In-house method : STM 13-006 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Songkhla
pH at 25 degree C		-	-	7.1	5.0-9.0	In-house method : STM 13-001 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Songkhla
Sulfide *	mg/L	-	0.5	3.6	≤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	448	(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	31.8	≤35	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Norg (C)	Bangkok
Total Suspended Solids	mg/L	-	5	34	≤30	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Songkhla

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

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

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Approved by

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Analysis / Test Report

TESTING
No.0166

Client : Kamala Bay Ventures Co., Ltd.
16/12 Moo 6, Tambon Kamala, Kathu, Phuket Thailand 83150

P/O : 0000162819-3

Project Name :

Project Location: EIA Monitoring

Lot ID: 2330351

Date Received : Apr 29, 2023

Date Reported : May 23, 2023

Report Number : 2659480-1

Page 2 of 2

Sampling By : Yuttapong Rattana , Thaksin Aintrom

Remark :

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

TESTING
No.0166

Client : Kamala Bay Ventures Co., Ltd.
16/12 Moo 6, Tambon Kamala, Kathu, Phuket Thailand 83150
P/O : 0000162819-3
Project Name :
Project Location : EIA Monitoring

Lot ID: 2330351

Date Received : Apr 29, 2023
Date Reported : May 23, 2023
Report Number : 2659481-1

Page 1 of 1

Sample Number 2330351-3
Sampled Date Apr 28, 2023 10:58 AM
Sample Description Wastewater
Location Influent WasteWater
Date Analysis Commenced Apr 29, 2023
Condition of Sample Contained in two BOD bottles and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Water Testing						
BOD (5 days at 20 degree C) *	mg/L	-	2.0	3288	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B, 4500 - O (C)	Bangkok
Dissolved Oxygen *	mg/L	-	0.1	<0.1	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-O (C)	Songkhla
Mixed Liquor Suspended Solids *	mg/L	-	5	20433	Based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Songkhla
pH at 25 degree C		-	-	5.5	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
Total Suspended Solids	mg/L	-	5	20433	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Songkhla

Sampling By : Yuttapong Rattana , Thaksin Aintrom

Remark :

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Analysis / Test Report

Client : Kamala Bay Ventures Co., Ltd.
16/12 Moo 6, Tambon Kamala, Kathu, Phuket Thailand 83150

P/O : 0000162819-3

Project Name :

Project Location: EIA Monitoring

TESTING

No.0166

Lot ID: 2344336

Date Received : May 16, 2023

Date Reported : May 22, 2023

Report Number : 2659073-1

Page 1 of 3

Sample Number	2344336-1
Sampled Date	May 15, 2023 1:16 PM
Sample Description	Consumption Water
Location	Guest Room (Room.3002)
Date Analysis Commenced	May 16, 2023
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
Metals Testing							
Iron	mg/L	0.001	0.005	0.006	≤0.3	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Songkhla
Water Testing							
Bicarbonate Alkalinity as CaCO ₃ *	mg/L	-	1	76	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2320 B	Bangkok
Carbonate Alkalinity as CaCO ₃ *	mg/L	-	1	<1	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2320 B	Bangkok
^[A] Chloride as Cl	mg/L	0.06	0.2	111	≤250.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4110 B	Bangkok
Color *	Color unit	-	5	<5	≤20	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2120 B	Songkhla
Conductivity *	micromhos/cm	-	0.5	533	No Standard	Based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2510 B	Songkhla
Hydroxide Alkalinity as CaCO ₃ *	mg/L	-	1	<1	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2320 B	Bangkok
Methyl Orange Alkalinity as CaCO ₃ *	mg/L	-	1	76	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2320 B	Bangkok
Permanent Hardness as CaCO ₃ *	mg/L	-	1	23	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2320 B	Bangkok

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Analysis / Test Report

TESTING
No.0166

Client : Kamala Bay Ventures Co., Ltd.
16/12 Moo 6, Tambon Kamala, Kathu, Phuket Thailand 83150

P/O : 0000162819-3

Project Name :

Project Location: EIA Monitoring

Lot ID: 2344336

Date Received : May 16, 2023

Date Reported : May 22, 2023

Report Number : 2659073-1

Page 2 of 3

Sample Number	2344336-1
Sampled Date	May 15, 2023 1:16 PM
Sample Description	Consumption Water
Location	Guest Room (Room.3002)
Date Analysis Commenced	May 16, 2023
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							
pH at 25 degree C		-	-	7.8	6.5-8.5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Songkhla
Phenolphthalein Alkalinity as CaCO ₃ *	mg/L	-	1	<1	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2320 B	Bangkok
Residual Alkalinity *	mg/L	-	1	<1	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2320 B	Bangkok
Temporary Hardness as CaCO ₃ *	mg/L	-	1	76	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2320 B	Bangkok
Total Alkalinity as CaCO ₃ *	mg/L	-	1	76	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2320 B	Bangkok
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	312	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Songkhla
^[A] Total Hardness as CaCO ₃	mg/L	-	1	99	≤100	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2340 C, 2340 C	Bangkok
Turbidity	NTU	-	0.1	0.38	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2130 B	Songkhla

Guideline : Notification of the Ministry of Public Health No. 61 B.E. 2524 & 135 B.E. 2534 on bottled drinking water (No.2) & 316 B.E. 2553 & Pathogenic 416 B.E. 2563

Sampling By : Yuttapong Rattana , Thaksin Aintrom

Remark :

- LOD : Limit of Detection

Approved by

Ananta B.

Ananta Boonphet
Scientist (2)

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Analysis / Test Report

Client : Kamala Bay Ventures Co., Ltd.
16/12 Moo 6, Tambon Kamala, Kathu, Phuket Thailand 83150

P/O : 0000162819-3

Project Name :

Project Location: EIA Monitoring

TESTING

No.0166

Lot ID: 2344336

Date Received : May 16, 2023

Date Reported : May 22, 2023

Report Number : 2659073-1

Page 3 of 3

- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
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- [A] Analysis conducted by ALS Laboratory Group (Thailand) Co.,Ltd. Bangkok Branch, DMSc Accreditation No. 1031/47.
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Analysis / Test Report

TESTING

No.0166

Client : Kamala Bay Ventures Co., Ltd.

16/12 Moo 6, Tambon Kamala, Kathu, Phuket Thailand 83150

P/O : 0000162819-3

Project Name :

Project Location: EIA Monitoring

Lot ID: 2344336

Date Received : May 16, 2023

Date Reported : May 22, 2023

Report Number : 2659074-1

Page 1 of 2

Sample Number	2344336-2
Sampled Date	May 15, 2023 1:45 PM
Sample Description	Wastewater
Location	Effluent WasteWater
Date Analysis Commenced	May 16, 2023
Condition of Sample	Contained in one amber glass bottle and four plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD *	mg/L	-	2	4.7	≤20	Based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B	Songkhla
Oil & Grease	mg/L	-	3	<3	≤20	In-house method : STM 13-006 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Songkhla
pH at 25 degree C		-	-	7.0	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
Sulfide *	mg/L	-	0.5	1.2	≤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	388	(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	11.7	≤35	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Norg (C)	Bangkok
Total Suspended Solids	mg/L	-	5	28	≤30	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Songkhla

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

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

Sampling By : Yuttapong Rattana , Thaksin Aintrom

Remark :

Approved by

Siriluk P.

Siriluk Puengpang
Supervisor

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Analysis / Test Report

TESTING

No.0166

Lot ID: 2344336

Date Received : May 16, 2023

Date Reported : May 22, 2023

Report Number : 2659074-1

Client : Kamala Bay Ventures Co., Ltd.

16/12 Moo 6, Tambon Kamala, Kathu, Phuket Thailand 83150

P/O : 0000162819-3

Project Name :

Project Location: EIA Monitoring

Page 2 of 2

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Siriluk P.

Siriluk Puengpang
Supervisor

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Analysis / Test Report

TESTING
No.0166

Client : Kamala Bay Ventures Co., Ltd.
16/12 Moo 6, Tambon Kamala, Kathu, Phuket Thailand 83150
P/O : 0000162819-3
Project Name :
Project Location : EIA Monitoring

Lot ID: 2344336

Date Received : May 16, 2023
Date Reported : May 22, 2023
Report Number : 2659075-1

Page 1 of 1

Sample Number 2344336-3
Sampled Date May 15, 2023 1:35 PM
Sample Description Wastewater
Location Influent WasteWater
Date Analysis Commenced May 16, 2023
Condition of Sample Contained in two BOD bottles and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Water Testing						
BOD *	mg/L	-	2	1034	Based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B	Songkhla
Dissolved Oxygen *	mg/L	-	0.1	<0.1	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-O (C)	Songkhla
Mixed Liquor Suspended Solids *	mg/L	-	5	1502	Based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Songkhla
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
Total Suspended Solids	mg/L	-	5	1502	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Songkhla

Sampling By : Yuttapong Rattana , Thaksin Aintrom

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Analysis / Test Report

TESTING
No.0166

Client : Kamala Bay Ventures Co., Ltd.
16/12 Moo 6, Tambon Kamala, Kathu, Phuket Thailand 83150

P/O : 0000162819-3

Project Name :

Project Location: EIA Monitoring

Lot ID: 2361278

Date Received : Jun 03, 2023

Date Reported : Jun 10, 2023

Report Number : 2679357-1

Page 1 of 3

Sample Number	2361278-1
Sampled Date	Jun 02, 2023 2:35 PM
Sample Description	Consumption Water
Location	Pump Room "Pass Resin System"
Date Analysis Commenced	Jun 03, 2023
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
Metals Testing							
Iron	mg/L	0.001	0.005	0.010	≤0.3	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Songkhla
Water Testing							
Bicarbonate Alkalinity as CaCO ₃ *	mg/L	-	1	96	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2320 B	Bangkok
Carbonate Alkalinity as CaCO ₃ *	mg/L	-	1	<1	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2320 B	Bangkok
Chloride as Cl	mg/L	0.06	0.2	144	≤250.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4110 B	Bangkok
Color *	Color unit	-	5	<5	≤20	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2120 B	Songkhla
Conductivity *	micromhos/cm	-	0.5	824	No Standard	Based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2510 B	Songkhla
Hydroxide Alkalinity as CaCO ₃ *	mg/L	-	1	<1	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2320 B	Bangkok
Methyl Orange Alkalinity as CaCO ₃ *	mg/L	-	1	96	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2320 B	Bangkok
Permanent Hardness as CaCO ₃ *	mg/L	-	1	64	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2320 B	Bangkok

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Analysis / Test Report

TESTING

No.0166

Client : Kamala Bay Ventures Co., Ltd.
16/12 Moo 6, Tambon Kamala, Kathu, Phuket Thailand 83150

P/O : 0000162819-3

Project Name :

Project Location: EIA Monitoring

Lot ID: 2361278

Date Received : Jun 03, 2023

Date Reported : Jun 10, 2023

Report Number : 2679357-1

Page 2 of 3

Sample Number	2361278-1
Sampled Date	Jun 02, 2023 2:35 PM
Sample Description	Consumption Water
Location	Pump Room "Pass Resin System"
Date Analysis Commenced	Jun 03, 2023
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							
pH at 25 degree C		-	-	7.1	6.5-8.5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Songkhla
Phenolphthalein Alkalinity as CaCO ₃ *	mg/L	-	1	<1	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2320 B	Bangkok
Residual Alkalinity *	mg/L	-	1	<1	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2320 B	Bangkok
Temporary Hardness as CaCO ₃ *	mg/L	-	1	96	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2320 B	Bangkok
Total Alkalinity as CaCO ₃ *	mg/L	-	1	96	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2320 B	Bangkok
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	438	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Songkhla
Total Hardness as CaCO ₃	mg/L	-	1	160	≤100	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2340 C, 2340 C	Bangkok
Turbidity	NTU	-	0.1	0.44	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2130 B	Songkhla

Guideline : Notification of the Ministry of Public Health No. 61 B.E. 2524 & 135 B.E. 2534 on bottled drinking water (No.2) & 316 B.E. 2553 & Pathogenic 416 B.E. 2563

Sampling By : Yuttapong Rattana , Thaksin Aintrom

Remark :

- LOD : Limit of Detection

Approved by

Ananta B.

Ananta Boonphet
Scientist (2)

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Analysis / Test Report

TESTING

No.0166

Lot ID: 2361278

Date Received : Jun 03, 2023

Date Reported : Jun 10, 2023

Report Number : 2679357-1

Client : Kamala Bay Ventures Co., Ltd.

16/12 Moo 6, Tambon Kamala, Kathu, Phuket Thailand 83150

P/O : 0000162819-3

Project Name :

Project Location: EIA Monitoring

Page 3 of 3

- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025.
- [A] Analysis conducted by ALS Laboratory Group (Thailand) Co.,Ltd. Bangkok Branch, DMSc Accreditation No. 1031/47.
- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

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Analysis / Test Report

TESTING

No.0166

Client : Kamala Bay Ventures Co., Ltd.
16/12 Moo 6, Tambon Kamala, Kathu, Phuket Thailand 83150

P/O : 0000162819-3

Project Name :

Project Location: EIA Monitoring

Lot ID: 2361278

Date Received : Jun 03, 2023

Date Reported : Jun 09, 2023

Report Number : 2679358-1

Page 1 of 2

Sample Number	2361278-2
Sampled Date	Jun 02, 2023 2:08 PM
Sample Description	Wastewater
Location	Effluent WasteWater
Date Analysis Commenced	Jun 03, 2023
Condition of Sample	Contained in one amber glass bottle and four plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD *	mg/L	-	2	3.4	≤20	Based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B	Songkhla
Oil & Grease	mg/L	-	3	<3	≤20	In-house method : STM 13-006 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Songkhla
pH at 25 degree C		-	-	7.3	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
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 103-105 degree C *	mg/L	-	5	328	(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	9.8	≤35	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Norg (C)	Bangkok
Total Suspended Solids	mg/L	-	5	22	≤30	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Songkhla

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

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

Sampling By : Yuttapong Rattana , Thaksin Aintrom

Remark :

Approved by

Ananta B.

Ananta Boonphet
Scientist (2)

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Analysis / Test Report

Client : Kamala Bay Ventures Co., Ltd.
16/12 Moo 6, Tambon Kamala, Kathu, Phuket Thailand 83150

P/O : 0000162819-3

Project Name :

Project Location: EIA Monitoring

TESTING

No.0166

Lot ID: 2361278

Date Received : Jun 03, 2023

Date Reported : Jun 09, 2023

Report Number : 2679358-1

Page 2 of 2

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Analysis / Test Report

TESTING
No.0166

Client : Kamala Bay Ventures Co., Ltd.
16/12 Moo 6, Tambon Kamala, Kathu, Phuket Thailand 83150
P/O : 0000162819-3
Project Name :
Project Location : EIA Monitoring

Lot ID: 2361278

Date Received : Jun 03, 2023
Date Reported : Jun 09, 2023
Report Number : 2679359-1

Page 1 of 1

Sample Number 2361278-3
Sampled Date Jun 02, 2023 2:00 PM
Sample Description Wastewater
Location Influent WasteWater
Date Analysis Commenced Jun 03, 2023
Condition of Sample Contained in two BOD bottles and three plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Method	Testing Location
Water Testing						
BOD *	mg/L	-	2	212	Based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B	Songkhla
Dissolved Oxygen *	mg/L	-	0.1	<0.1	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-O (C)	Songkhla
Mixed Liquor Suspended Solids *	mg/L	-	5	158	Based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Songkhla
pH at 25 degree C		-	-	6.9	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
Total Suspended Solids	mg/L	-	5	158	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Songkhla

Sampling By : Yuttapong Rattana , Thaksin Aintrom

Remark :

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