

ภาคผนวก ง

รายงานผลการตรวจวัดคุณภาพสิ่งแวดล้อม

มาตรฐานคุณภาพน้ำที่เกี่ยวข้อง

สำเนาหนังสือใบอนุญาตขึ้นทะเบียน

ห้องปฏิบัติการวิเคราะห์เอกชน

และสำเนาใบรับรองการสอบเทียบเครื่องมือ

ภาคผนวก ง.1

ผลการวิเคราะห์คุณภาพน้ำใช้



Analysis / Test Report

Client : Emerald Bay Resort Co., Ltd.
88/28, 88/30-33, Muen-Ngern Rd, Tambon Patong, Amphoe Kathu, Phuket Thailand 83150

P/O :
Project Name : Rosewood Phuket
Project Location :



TESTING
No.0166

Lot ID: 231353
Date Received : Jan 06, 2023
Date Reported : Jan 23, 2023
Report Number : 2549356-1

Page 1 of 2

Sample Number	231353-3
Sampled Date	Jan 05, 2023 10:56 AM
Sample Description	Clean Water
Location	Storage Tank
Date Analysis Commenced	Jan 06, 2023
Condition of Sample	Contained in four 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, 23rd ed., 2017, part 9221 B, F	Songkhla
Fecal 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, E	Songkhla
<i>Legionella spp.</i>	CFU/L	-	-	<1	No Standard	ISO 11731 (2017)	Bangkok
Standard Plate Count	CFU/mL	-	-	<1	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9215 B	Songkhla
Total Coliform	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	Songkhla
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
Residual Free Chlorine	mg/L	-	0.1	1.4	0.2-2.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Cl (F)	Songkhla
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	429	≤1000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Songkhla

Guideline : Water quality standards of the Metropolitan Waterworks Authority
(1) : Inorganic Mercury
Note : Microbiological Testing Result <1 mean Bacteria not found in agar plate.

Sampling By :

Remark :

Approved by

Sutthirak T.

Sutthirak Tiprat
Scientist (2)

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Analysis / Test Report

Client : Emerald Bay Resort Co., Ltd.
88/28, 88/30-33, Muen-Ngern Rd, Tambon Patong, Amphoe Kathu, Phuket Thailand 83150

P/O :
Project Name : Rosewood Phuket
Project Location :



TESTING
No.0166

Lot ID: 231353
Date Received : Jan 06, 2023
Date Reported : Jan 23, 2023
Report Number : 2549356-1

Page 2 of 2

- 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

Sutthirak T.

Sutthirak Tiprat
Scientist (2)

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Analysis / Test Report

Client : Emerald Bay Resort Co., Ltd.
88/28, 88/30-33, Muen-Ngern Rd, Tambon Patong, Amphoe Kathu, Phuket Thailand
83150
P/O : 423-173140
Project Name : Rosewood Phuket
Project Location :

TESTING
No.0166

Lot ID: 237925
Date Received : Feb 03, 2023
Date Reported : Mar 08, 2023
Report Number : 2549086-1 Rev. No.1

Page 1 of 10

Sample Number 237925-3
Sampled Date Feb 02, 2023 10:55 AM
Sample Description Clean Water
Location Storage Tank
Date Analysis Commenced Feb 03, 2023
Condition of Sample Contained in four 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, 23rd ed., 2017, part 9221 B, F	Songkhla
Fecal 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, E	Songkhla
^[A] <i>Legionella spp.</i>	CFU/L	-	-	<1	No Standard	ISO 11731 (2017)	Bangkok
Standard Plate Count	CFU/mL	-	-	8	≤500	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 9215 B	Songkhla
Total Coliform	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	Songkhla
Water Testing							
pH at 25 degree C		-	-	7.7	6.5-8.5	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	1.5	0.2-2.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - Cl (F)	Songkhla
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	438	≤1000	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Songkhla

Guideline : Water quality standards of the Metropolitan Waterworks Authority
(1) : Inorganic Mercury

Note : 1. Microbiological Testing Result <1 mean Bacteria not found in agar plate.
2. This Analysis test report is reissued to supersede report No.2549086-1, Date Reported : Feb 20, 2023 due to revise guideline/specification

Sampling By : Yuttapong Rattana, Thaksin Alntrom

Remark :

Approved by

Chompoonuch F.

Chompoonuch Funtaha
Scientist (4)

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Analysis / Test Report

Client : Emerald Bay Resort Co., Ltd.
88/28, 88/30-33, Muen-Ngern Rd, Tambon Patong, Amphoe Kathu, Phuket Thailand
83150
P/O :
Project Name : Rosewood Phuket
Project Location :

TESTING
No.0166

Lot ID: 2321986
Date Received : Mar 03, 2023
Date Reported : Mar 24, 2023
Report Number : 2603491-1

Page 1 of 2

Sample Number 2321986-3
Sampled Date Mar 02, 2023 1:26 PM
Sample Description Clean Water
Location Storage Tank
Date Analysis Commenced Mar 03, 2023
Condition of Sample Contained in five plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
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
Microbiological Testing							
^[A] <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 F	Bangkok
^[A] Fecal 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 E	Bangkok
^[A] <i>Legionella spp.</i>	CFU/L	-	-	<1	No Standard	ISO 11731 (2017)	Bangkok
^[A] Standard Plate Count	CFU/mL	-	-	4	≤500	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 9215 B	Bangkok
^[A] Total Coliform	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	Bangkok
Water Testing							
Color *	Color unit	-	5	<5	≤15	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2120 B	Songkhla
Conductivity *	micromhos/cm	-	0.5	860	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		-	-	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

Approved by

Ananta B.

Ananta Boonphet
Scientist (2)

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Analysis / Test Report

Client : Emerald Bay Resort Co., Ltd.
88/28, 88/30-33, Muen-Ngern Rd, Tambon Patong, Amphoe Kathu, Phuket Thailand 83150

P/O :
Project Name : Rosewood Phuket
Project Location :



TESTING
No.0166

Lot ID: 2321986
Date Received : Mar 03, 2023
Date Reported : Mar 24, 2023
Report Number : 2603491-1

Page 2 of 2

Sample Number	2321986-3						
Sampled Date	Mar 02, 2023 1:26 PM						
Sample Description	Clean Water						
Location	Storage Tank						
Date Analysis Commenced	Mar 03, 2023						
Condition of Sample	Contained in 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							
Residual Free Chlorine	mg/L	-	0.1	1.1	0.2-2.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Cl (F)	Songkhla
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	452	≤1000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Songkhla
Turbidity	NTU	-	0.1	1.14	≤1.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2130 B	Songkhla

Guideline : Water quality standards of the Metropolitan Waterworks Authority
(1) : Inorganic Mercury

Note :
1. Microbiological Testing Result <1 mean Bacteria not found in agar plate.
2. This Analysis test report is reissued to supersede report No.2578950-1, Date Reported : Mar 21, 2023 due to revise guideline/specification

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.
- [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.

Approved by

Ananta B.

Ananta Boonphet
Scientist (2)

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Analysis / Test Report

Client : Emerald Bay Resort Co., Ltd.
88/28, 88/30-33, Muen-Ngern Rd, Tambon Patong, Amphoe Kathu, Phuket Thailand 83150

P/O : i23-180758
Project Name : Rosewood Phuket
Project Location :



TESTING
No.0166

Lot ID: 2342101
Date Received : Apr 19, 2023
Date Reported : May 08, 2023
Report Number : 2624147-1

Page 1 of 4

Sample Number	2342101-1						
Sampled Date	Apr 18, 2023 9:30 AM						
Sample Description	Clean Water						
Location	Storage Tank						
Date Analysis Commenced	Apr 19, 2023						
Condition of Sample	Contained in four 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, 23rd ed., 2017, part 9221 B, F	Songkhla
Fecal 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, E	Songkhla
^[A] <i>Legionella spp.</i>	CFU/L	-	-	<1	No Standard	ISO 11731 (2017)	Bangkok
Standard Plate Count	CFU/mL	-	-	<1	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9215 B	Songkhla
Total Coliform	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	Songkhla
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
Residual Free Chlorine	mg/L	-	0.1	3.0	0.2-2.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Cl (F)	Songkhla
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	418	≤1000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Songkhla

Guideline : Water quality standards of the Metropolitan Waterworks Authority
(1) : Inorganic Mercury

Note : Microbiological Testing Result <1 mean Bacteria not found in agar plate.

Sampling By : Yuttapong Rattana , Thaksin Aintrom

Remark :

Approved by

Ananta B.

Ananta Boonphet
Scientist (2)

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Analysis / Test Report

Client : Emerald Bay Resort Co., Ltd.

88/28, 88/30-33, Muen-Ngern Rd, Tambon Patong, Amphoe Kathu, Phuket Thailand
83150

P/O : i23-180758

Project Name : Rosewood Phuket

Project Location :



TESTING
No.0166

Lot ID: 2342101

Date Received : Apr 19, 2023

Date Reported : May 08, 2023

Report Number : 2624147-1

Page 2 of 4

- LOD : Limit of Detection
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- 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.



Analysis / Test Report

Client : Emerald Bay Resort Co., Ltd.

88/28, 88/30-33, Muen-Ngern Rd, Tambon Patong, Amphoe Kathu, Phuket Thailand
83150

P/O : i23-183710

Project Name : Rosewood Phuket

Project Location :



TESTING
No.0166

Lot ID: 2355792

Date Received : May 19, 2023

Date Reported : Jun 06, 2023

Report Number : 2653061-1

Page 1 of 6

Sample Number 2355792-3
Sampled Date May 18, 2023 9:25 AM
Sample Description Clean Water
Location Storage Tank
Date Analysis Commenced May 19, 2023
Condition of Sample Contained in four 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, 23rd ed., 2017, part 9221 B, F	Songkhla
Fecal 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, E	Songkhla
^[A] <i>Legionella spp.</i>	CFU/L	-	-	<1	Not Detected	ISO 11731 (2017)	Bangkok
Standard Plate Count	CFU/mL	-	-	<1	≤500	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9215 B	Songkhla
Total Coliform	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	Songkhla
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
Residual Free Chlorine	mg/L	-	0.1	0.5	0.2-2.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Cl (F)	Songkhla
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	424	≤1000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Songkhla

Guideline : Water quality standards of the Metropolitan Waterworks Authority

(1) : Inorganic Mercury

Note : Microbiological Testing Result <1 mean Bacteria not found in agar plate.

Sampling By : Yuttapong Rattana , Thaksin Aintrom

Remark :

Approved by

Ananta B.

Ananta Boonphet
Scientist (2)

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Approved by

Ananta B.

Ananta Boonphet
Scientist (2)

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Analysis / Test Report

Client : Emerald Bay Resort Co., Ltd.

88/28, 88/30-33, Muen-Ngern Rd, Tambon Patong, Amphoe Kathu, Phuket Thailand
83150

P/O : i23-183710

Project Name : Rosewood Phuket

Project Location :



TESTING
No.0166

Lot ID: 2355792

Date Received : May 19, 2023

Date Reported : Jun 06, 2023

Report Number : 2653061-1

Page 2 of 6

- LOD : Limit of Detection
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Analysis / Test Report

Client : Emerald Bay Resort Co., Ltd.

88/28, 88/30-33, Muen-Ngern Rd, Tambon Patong, Amphoe Kathu, Phuket Thailand
83150

P/O : i23-187443

Project Name : Rosewood Phuket

Project Location :



TESTING
No.0166

Lot ID: 2364877

Date Received : Jun 09, 2023

Date Reported : Jun 28, 2023

Report Number : 2696797-1

Page 1 of 2

Sample Number 2364877-3
Sampled Date Jun 08, 2023 10:05 AM
Sample Description Clean Water
Location Storage Tank
Date Analysis Commenced Jun 09, 2023
Condition of Sample Contained in five plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Iron	mg/L	0.001	0.005	0.04	≤0.3	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Songkhla
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, 23rd ed., 2017, part 9221 B, F	Songkhla
Fecal 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, E	Songkhla
^[A] <i>Legionella spp.</i>	CFU/L	-	-	<1	No Standard	ISO 11731 (2017)	Bangkok
Standard Plate Count	CFU/mL	-	-	<1	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9215 B	Songkhla
Total Coliform	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	Songkhla
Water Testing							
Color *	Color unit	-	5	<5	≤15	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2120 B	Songkhla
Conductivity *	micromhos/cm	-	0.5	851	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		-	-	7.8	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

Approved by

Ananta B.

Ananta Boonphet
Scientist (2)

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Ananta B.

Ananta Boonphet
Scientist (2)

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Analysis / Test Report

Client : Emerald Bay Resort Co., Ltd.
88/28, 88/30-33, Muen-Ngern Rd, Tambon Patong, Amphoe Kathu, Phuket Thailand 83150
P/O : i23-187443
Project Name : Rosewood Phuket
Project Location :



TESTING
No.0166

Lot ID: 2364877
Date Received : Jun 09, 2023
Date Reported : Jun 28, 2023
Report Number : 2696797-1

Page 2 of 2

Sample Number	2364877-3
Sampled Date	Jun 08, 2023 10:05 AM
Sample Description	Clean Water
Location	Storage Tank
Date Analysis Commenced	Jun 09, 2023
Condition of Sample	Contained in 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							
Residual Free Chlorine	mg/L	-	0.1	0.9	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Cl (F)	Songkhla
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	460	≤1000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Songkhla
Turbidity	NTU	-	0.1	0.49	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2130 B	Songkhla

Guideline : Water quality standards of the Provincial Waterworks Authority B.E.2565

Note : Microbiological Testing Result <1 mean Bacteria not found in agar plate.

Sampling By : Yuttapong Rattana , Thaksin Aintrom

Remark :

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

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Analysis / Test Report

Client : Emerald Bay Resort Co., Ltd.
88/28, 88/30-33, Muen-Ngern Rd, Tambon Patong, Amphoe Kathu, Phuket Thailand 83150
P/O : i23-191511
Project Name : Rosewood Phuket
Project Location :



TESTING
No.0166

Lot ID: 2381250
Date Received : Jul 27, 2023
Date Reported : Aug 16, 2023
Report Number : 2714729-1

Page 1 of 6

Sample Number	2381250-1
Sampled Date	Jul 26, 2023 9:59 AM
Sample Description	Clean Water
Location	Storage Tank
Date Analysis Commenced	Jul 27, 2023
Condition of Sample	Contained in four plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Microbiological Testing							
[A] <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 F	Bangkok
[A] Fecal 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 E	Bangkok
[A] <i>Legionella spp.</i>	CFU/L	-	-	<1	No Standard	ISO 11731 (2017)	Bangkok
[A] Standard Plate Count	CFU/mL	-	-	<1	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9215 B	Bangkok
[A] Total Coliform	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	Bangkok
Water Testing							
pH at 25 degree C		-	-	7.6	6.5-8.5	In-house method : STM 13-1001 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	1.1	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Cl (F)	Songkhla
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	517	≤1000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Songkhla

Guideline : Water quality standards of the Provincial Waterworks Authority B.E.2565

Note : Microbiological Testing Result <1 mean Bacteria not found in agar plate.

Sampling By : Yuttapong Rattana

Remark :

Approved by

Ananta B.

Ananta Boonphet
Scientist (2)

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Analysis / Test Report

Client : Emerald Bay Resort Co., Ltd.
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83150
P/O : i23-191511
Project Name : Rosewood Phuket
Project Location :



TESTING
No.0166

Lot ID: 2381250
Date Received : Jul 27, 2023
Date Reported : Aug 16, 2023
Report Number : 2714729-1

Page 2 of 6

- LOD : Limit of Detection
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Analysis / Test Report

Client : Emerald Bay Resort Co., Ltd.
88/28, 88/30-33, Muen-Ngern Rd, Tambon Patong, Amphoe Kathu, Phuket Thailand
83150
P/O :
Project Name : Rosewood Phuket
Project Location :



TESTING
No.0166

Lot ID: 2386360
Date Received : Aug 05, 2023
Date Reported : Aug 24, 2023
Report Number : 2754505-1

Page 1 of 2

Sample Number : 2386360-3
Sampled Date : Aug 04, 2023 10:05 AM
Sample Description : Clean Water
Location : Storage Tank
Date Analysis Commenced : Aug 05, 2023
Condition of Sample : Contained in four plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Microbiological Testing							
^[A] <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 F	Bangkok
^[A] Fecal 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 E	Bangkok
^[A] <i>Legionella spp.</i>	CFU/L	-	-	<1	No Standard	ISO 11731 (2017)	Bangkok
^[A] Standard Plate Count	CFU/mL	-	-	<1	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9215 B	Bangkok
^[A] Total Coliform	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	Bangkok
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
Residual Free Chlorine	mg/L	-	0.1	1.9	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Cl (F)	Songkhla
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	501	≤1000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Songkhla

Guideline : Water quality standards of the Provincial Waterworks Authority B.E.2565

Note : Microbiological Testing Result <1 mean Bacteria not found in agar plate.

Sampling By : Yuttapong Rattana

Remark :

- LOD : Limit of Detection

Approved by

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P/O :

Project Name : Rosewood Phuket

Project Location :



TESTING
No.0166

Lot ID: 2386360

Date Received : Aug 05, 2023

Date Reported : Aug 24, 2023

Report Number : 2754505-1

Page 2 of 2

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Client : Emerald Bay Resort Co., Ltd.

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P/O : 123-198198

Project Name : Rosewood Phuket

Project Location :



TESTING
No.0166

Lot ID: 23106702

Date Received : Sep 15, 2023

Date Reported : Sep 29, 2023

Report Number : 2792782-1

Page 1 of 10

Page 1 of 1

Sample Number	23106702-1						
Sampled Date	Sep 14, 2023 9:45 AM						
Sample Description	Clean Water						
Location	Storage Tank						
Date Analysis Commenced	Sep 15, 2023						
Condition of Sample	Contained in five plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						
Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
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
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, 23rd ed., 2017, part 9221 F	Bangkok
Fecal 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 E	Bangkok
<i>Legionella</i> spp.	CFU/L	-	-	<1	No Standard	ISO 11731 (2017)	Bangkok
Standard Plate Count	CFU/mL	-	-	36	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 9215 B	Bangkok
Total Coliform	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	Bangkok
Water Testing							
Color *	Color unit	-	5	<5	≤15	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2120 B	Songkhla
Conductivity *	micromhos/cm	-	0.5	869	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	-	-	-	7.6	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

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Ananta Boonphet
Scientist (2)

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P/O :

Project Name : Rosewood Phuket

Project Location :



TESTING
No.0166

Lot ID: 2386360

Date Received : Aug 05, 2023

Date Reported : Aug 24, 2023

Report Number : 2754505-1

Page 2 of 2

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Analysis / Test Report

Client : Emerald Bay Resort Co., Ltd.
88/28, 88/30-33, Muen-Ngern Rd, Tambon Patong, Amphoe Kathu, Phuket Thailand
83150
P/O : 023-199198
Project Name : Rosewood Phuket
Project Location :



TESTING
No.0166

Lot ID: 23106702
Date Received : Sep 15, 2023
Date Reported : Sep 29, 2023
Report Number : 2792782-1

Page 2 of 10

Sample Number	23106702-1
Sampled Date	Sep 14, 2023 9:45 AM
Sample Description	Clean Water
Location	Storage Tank
Date Analysis Commenced	Sep 15, 2023
Condition of Sample	Contained in 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							
Residual Free Chlorine	mg/L	-	0.1	1.2	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Cl (F)	Songkhla
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	464	≤1000	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Songkhla
Turbidity	NTU	-	0.1	0.30	≤5	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2130 B	Songkhla

Guideline : Water quality standards of the Provincial Waterworks Authority B.E.2565

Note : Microbiological Testing Result <1 mean Bacteria not found in agar plate.

Sampling By : Yuttapong Rattana, Thaksin Aintrom

Remark :

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83150
P/O :
Project Name : Rosewood Phuket
Project Location :



TESTING
No.0166

Lot ID: 23113254
Date Received : Oct 06, 2023
Date Reported : Oct 25, 2023
Report Number : 2814288-1

Page 1 of 2

Sample Number	23113254-3
Sampled Date	Oct 05, 2023 9:40 AM
Sample Description	Clean Water
Location	Storage Tank
Date Analysis Commenced	Oct 06, 2023
Condition of Sample	Contained in four plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Microbiological Testing							
[A] <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 F	Bangkok
[A] Fecal 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 E	Bangkok
[A] <i>Legionella spp.</i>	CFU/L	-	-	<1	No Standard	ISO 11731 (2017)	Bangkok
[A] Standard Plate Count	CFU/mL	-	-	<1	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 9215 B	Bangkok
[A] Total Coliform	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	Bangkok
Water Testing							
pH at 25 degree C		-	-	7.4	6.5-8.5	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	1.5	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Cl (F)	Songkhla
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	418	≤1000	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Songkhla

Guideline : Water quality standards of the Provincial Waterworks Authority B.E.2565

Note : Microbiological Testing Result <1 mean Bacteria not found in agar plate.

Sampling By : Thaksin Aintrom

Remark :

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Analysis / Test Report

Client : Emerald Bay Resort Co., Ltd.

88/28, 88/30-33, Muen-Ngern Rd, Tambon Patong, Amphoe Kathu, Phuket Thailand
83150

P/O :

Project Name : Rosewood Phuket

Project Location:



TESTING
No.0166

Lot ID: 23113254

Date Received : Oct 06, 2023

Date Reported : Oct 25, 2023

Report Number : 2814288-1

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88/28, 88/30-33, Muen-Ngern Rd, Tambon Patong, Amphoe Kathu, Phuket Thailand
83150

P/O :

Project Name : Rosewood Phuket

Project Location:



TESTING
No.0166

Lot ID: 23122514

Date Received : Nov 03, 2023

Date Reported : Nov 20, 2023

Report Number : 2840352-1

Page 1 of 6

Sample Number	23122514-3
Sampled Date	Nov 02, 2023 9:42 AM
Sample Description	Clean Water
Location	Storage Tank
Date Analysis Commenced	Nov 03, 2023
Condition of Sample	Contained in two glass vials and six plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Arsenic	mg/L	0.001	0.005	Not Detected	≤0.01	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Songkhla
Cadmium	mg/L	0.001	0.005	Not Detected	≤0.003	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Songkhla
Chromium	mg/L	0.001	0.005	Not Detected	≤0.05	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Songkhla
Copper	mg/L	0.001	0.005	Not Detected	≤2.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Songkhla
Lead	mg/L	0.001	0.005	Not Detected	≤0.01	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Songkhla
Mercury	mg/L	0.0003	0.0005	Not Detected	≤0.001	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Songkhla
Nickel	mg/L	0.001	0.005	Not Detected	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Songkhla

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Ananta Boonphet
Scientist (2)

ADDRESS 114/1 Moo 8 Karnchanawanich Road T. Ban Phru A. Hat Yai Songkhla 90250 Thailand | PHONE +66 0 7489 5060 | FAX +66 0 7489 5068
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Approved by

Ananta B.

Ananta Boonphet
Scientist (2)

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Analysis / Test Report

Client : Emerald Bay Resort Co., Ltd.
88/28, 88/30-33, Muen-Ngern Rd, Tambon Patong, Amphoe Kathu, Phuket Thailand
83150

P/O :
Project Name : Rosewood Phuket
Project Location :



TESTING
No.0166

Lot ID: 23122514

Date Received : Nov 03, 2023
Date Reported : Nov 20, 2023
Report Number : 2840352-1

Page 2 of 6

Sample Number	23122514-3						
Sampled Date	Nov 02, 2023 9:42 AM						
Sample Description	Clean Water						
Location	Storage Tank						
Date Analysis Commenced	Nov 03, 2023						
Condition of Sample	Contained in two glass vials and six plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
Selenium	mg/L	0.001	0.005	Not Detected	≤0.01	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3125 B, 3030 F	Songkhla
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, 23rd ed., 2017, part 9221 B, F	Songkhla
Fecal 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, E	Songkhla
^[A] <i>Legionella spp.</i>	CFU/L	-	-	<1	No Standard	ISO 11731 (2017)	Bangkok
Standard Plate Count	CFU/mL	-	-	6	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9215 B	Songkhla
Total Coliform	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	Songkhla
Volatile Organics Compounds							
^[A] 1,1,1-Trichloroethane	ug/L	0.08	0.5	Not Detected	No Standard	In-house method : STM No.04-048 based on United States Environmental Protection Agency, EPA Method 5030B and 8260D	Bangkok
^[A] 1,1,2-Trichloroethane	ug/L	0.08	0.5	Not Detected	No Standard	In-house method : STM No.04-048 based on United States Environmental Protection Agency, EPA Method 5030B and 8260D	Bangkok
^[A] 1,1-Dichloroethylene	ug/L	0.11	0.5	Not Detected	No Standard	In-house method : STM No.04-048 based on United States Environmental Protection Agency, EPA Method 5030B and 8260D	Bangkok

Approved by

Ananta B.

Ananta Boonphet
Scientist (2)

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Analysis / Test Report

Client : Emerald Bay Resort Co., Ltd.
88/28, 88/30-33, Muen-Ngern Rd, Tambon Patong, Amphoe Kathu, Phuket Thailand
83150

P/O :
Project Name : Rosewood Phuket
Project Location :



TESTING
No.0166

Lot ID: 23122514

Date Received : Nov 03, 2023
Date Reported : Nov 20, 2023
Report Number : 2840352-1

Page 3 of 6

Sample Number	23122514-3						
Sampled Date	Nov 02, 2023 9:42 AM						
Sample Description	Clean Water						
Location	Storage Tank						
Date Analysis Commenced	Nov 03, 2023						
Condition of Sample	Contained in two glass vials and six plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Volatile Organics Compounds							
1,2-Dichloroethane *	ug/L	0.07	0.5	Not Detected	No Standard	In-house method : STM No.04-048 based on United States Environmental Protection Agency, EPA Method 5030B and 8260D	Bangkok
1,3-Dichloropropane *	ug/L	0.15	0.5	Not Detected	No Standard	In-house method : STM No.04-048 based on United States Environmental Protection Agency, EPA Method 5030B and 8260D	Bangkok
2-Butanone *	ug/L	0.14	0.5	Not Detected	No Standard	In-house method : STM No.04-048 based on United States Environmental Protection Agency, EPA Method 5030B and 8260D	Bangkok
^[A] Benzene	ug/L	0.03	0.5	Not Detected	No Standard	In-house method : STM No.04-048 based on United States Environmental Protection Agency, EPA Method 5030B and 8260D	Bangkok
Bromodichloromethane *	ug/L	0.2	0.5	26.8	≤60	In-house method based on United States Environmental Protection Agency, EPA Method 5030 B and 8260 D	Bangkok
Bromoform *	ug/L	0.2	0.5	1.8	≤100	In-house method based on United States Environmental Protection Agency, EPA Method 5030 B and 8260 D	Bangkok
^[A] Carbontetrachloride	ug/L	0.08	0.5	Not Detected	No Standard	In-house method : STM No.04-048 based on United States Environmental Protection Agency, EPA Method 5030B and 8260D	Bangkok
Chloroform *	ug/L	0.2	0.5	78.7	≤300	In-house method based on United States Environmental Protection Agency, EPA Method 5030 B and 8260 D	Bangkok
^[A] cis-1,2-Dichloroethylene	ug/L	0.04	0.5	Not Detected	No Standard	In-house method : STM No.04-048 based on United States Environmental Protection Agency, EPA Method 5030B and 8260D	Bangkok

Approved by

Ananta B.

Ananta Boonphet
Scientist (2)

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Analysis / Test Report

Client : Emerald Bay Resort Co., Ltd.
88/28, 88/30-33, Muen-Ngern Rd, Tambon Patong, Amphoe Kathu, Phuket Thailand
83150

P/O :
Project Name : Rosewood Phuket
Project Location :



TESTING
No.0166

Lot ID: 23122514

Date Received : Nov 03, 2023
Date Reported : Nov 20, 2023
Report Number : 2840352-1

Page 4 of 6

Sample Number	23122514-3
Sampled Date	Nov 02, 2023 9:42 AM
Sample Description	Clean Water
Location	Storage Tank
Date Analysis Commenced	Nov 03, 2023
Condition of Sample	Contained in two glass vials and six plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Volatile Organics Compounds							
cis-1,3-Dichloropropene *	ug/L	0.2	0.5	Not Detected	No Standard	In-house method : STM No.04-048 based on United States Environmental Protection Agency, EPA Method 5030B and 8260D	Bangkok
Dibromochloromethane *	ug/L	0.2	0.5	12.7	100	In-house method based on United States Environmental Protection Agency, EPA Method 5030 B and 8260 D	Bangkok
^[A] Ethylbenzene	ug/L	0.03	0.5	Not Detected	No Standard	In-house method : STM No.04-048 based on United States Environmental Protection Agency, EPA Method 5030B and 8260D	Bangkok
^[A] Methylene Chloride (Dichloromethane)	ug/L	0.10	0.5	1.5	No Standard	In-house method : STM No.04-048 based on United States Environmental Protection Agency, EPA Method 5030B and 8260D	Bangkok
^[A] Styrene	ug/L	0.02	0.5	<0.5	No Standard	In-house method : STM No.04-048 based on United States Environmental Protection Agency, EPA Method 5030B and 8260D	Bangkok
^[A] Tetrachloroethylene	ug/L	0.07	0.5	Not Detected	No Standard	In-house method : STM No.04-048 based on United States Environmental Protection Agency, EPA Method 5030B and 8260D	Bangkok
^[A] Toluene	ug/L	0.04	0.5	Not Detected	No Standard	In-house method : STM No.04-048 based on United States Environmental Protection Agency, EPA Method 5030B and 8260D	Bangkok
Total Trihalomethanes *	ug/L	0.2	1	120	No Standard	In-house method based on United States Environmental Protection Agency, EPA Method 5030 B and 8260 D	Bangkok
^[A] Total Xylene	ug/L	0.04	1.5	Not Detected	No Standard	In-house method : STM No.04-048 based on United States Environmental Protection Agency, EPA Method 5030B and 8260D	Bangkok

Approved by

Ananta B.

Ananta Boonphet
Scientist (2)

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Analysis / Test Report

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88/28, 88/30-33, Muen-Ngern Rd, Tambon Patong, Amphoe Kathu, Phuket Thailand
83150

P/O :
Project Name : Rosewood Phuket
Project Location :



TESTING
No.0166

Lot ID: 23122514

Date Received : Nov 03, 2023
Date Reported : Nov 20, 2023
Report Number : 2840352-1

Page 5 of 6

Sample Number	23122514-3
Sampled Date	Nov 02, 2023 9:42 AM
Sample Description	Clean Water
Location	Storage Tank
Date Analysis Commenced	Nov 03, 2023
Condition of Sample	Contained in two glass vials and six plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Volatile Organics Compounds							
^[A] trans-1,2-Dichloroethylene	ug/L	0.10	0.5	Not Detected	No Standard	In-house method : STM No.04-048 based on United States Environmental Protection Agency, EPA Method 5030B and 8260D	Bangkok
^[A] Trichloroethylene	ug/L	0.05	0.5	Not Detected	No Standard	In-house method : STM No.04-048 based on United States Environmental Protection Agency, EPA Method 5030B and 8260D	Bangkok
^[A] Vinyl chloride (Chloroethylene)	ug/L	0.16	0.3	Not Detected	No Standard	In-house method : STM No.04-048 based on United States Environmental Protection Agency, EPA Method 5030B and 8260D	Bangkok
Water Testing							
^[A] Fluoride as F	mg/L	0.05	0.1	0.5	≤1.5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4110 B	Bangkok
^[A] Nitrate as NO3	mg/L	0.3	1.0	<1.0	≤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	-	-	-	8.0	6.5-8.5	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	1.9	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Cl (F)	Songkhla
Temperature *	Degree C	-	-	30.3	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2550 B	Songkhla
Total Alkalinity as CaCO3 *	mg/L	-	1	230	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2320 B	Songkhla

Approved by

Ananta B.

Ananta Boonphet
Scientist (2)

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Analysis / Test Report

Client : Emerald Bay Resort Co., Ltd.
88/28, 88/30-33, Muen-Ngern Rd, Tambon Patong, Amphoe Kathu, Phuket Thailand
83150

P/O :
Project Name : Rosewood Phuket
Project Location :

Sample Number 23122514-3
Sampled Date Nov 02, 2023 9:42 AM
Sample Description Clean Water
Location Storage Tank
Date Analysis Commenced Nov 03, 2023
Condition of Sample Contained in two glass vials and six 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 Dissolved solids Dried at 180 degree C	mg/L	-	5	405	≤1000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Songkhla
Total Hardness as CaCO3	mg/L	-	1	255	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2340 C	Songkhla

Guideline : Water quality standards of the Provincial Waterworks Authority B.E.2565

Note : Microbiological Testing Result <1 mean Bacteria not found in agar plate.

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.
- [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.

Approved by

Ananta B.

Ananta Boonphet
Scientist (2)

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TESTING
No.0166

Lot ID: 23122514

Date Received : Nov 03, 2023
Date Reported : Nov 20, 2023
Report Number : 2840352-1



Analysis / Test Report

Client : Emerald Bay Resort Co., Ltd.
88/28, 88/30-33, Muen-Ngern Rd, Tambon Patong, Amphoe Kathu, Phuket Thailand
83150

P/O :
Project Name : Rosewood Phuket
Project Location :

Sample Number 23133639-3
Sampled Date Dec 07, 2023 11:20 AM
Sample Description Clean Water
Location Storage Tank
Date Analysis Commenced Dec 08, 2023
Condition of Sample Contained in five plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Metals Testing							
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
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, 23rd ed., 2017, part 9221 B, F	Songkhla
Fecal 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, E	Songkhla
^[A] <i>Legionella spp.</i>	CFU/L	-	-	<1	No Standard	ISO 11731 (2017)	Bangkok
Standard Plate Count	CFU/mL	-	-	3	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9215 B	Songkhla
Total Coliform	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	Songkhla
Water Testing							
Color *	Color unit	-	5	<5	≤15	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2120 B	Songkhla
Conductivity *	micromhos/cm	-	0.5	791	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		-	-	7.6	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

Approved by

Chompoonuch F.

Chompoonuch Funtha
Supervisor

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TESTING
No.0166

Lot ID: 23133639

Date Received : Dec 08, 2023
Date Reported : Dec 25, 2023
Report Number : 2866314-1



Analysis / Test Report

Client : Emerald Bay Resort Co., Ltd.
88/28, 88/30-33, Muen-Ngern Rd, Tambon Patong, Amphoe Kathu, Phuket Thailand
83150

P/O :
Project Name : Rosewood Phuket
Project Location :

TESTING
No.0166
Lot ID: 23133639
Date Received : Dec 08, 2023
Date Reported : Dec 25, 2023
Report Number : 2866314-1

Page 2 of 2

Sample Number	23133639-3
Sampled Date	Dec 07, 2023 11:20 AM
Sample Description	Clean Water
Location	Storage Tank
Date Analysis Commenced	Dec 08, 2023
Condition of Sample	Contained in 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							
Residual Free Chlorine	mg/L	-	0.1	2.9	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Cl (F)	Songkhla
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	438	≤1000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 C	Songkhla
Turbidity	NTU	-	0.1	0.36	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2130 B	Songkhla

Guideline : Water quality standards of the Provincial Waterworks Authority B.E.2565

Note : Microbiological Testing Result <1 mean Bacteria not found in agar plate.

Sampling By : Thaksin Aintrom

Remark :

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



Analysis / Test Report

Client : Emerald Bay Resort Co., Ltd.
88/28, 88/30-33, Muen-Ngern Rd, Tambon Patong, Amphoe Kathu, Phuket Thailand 83150

P/O :
Project Name : Rosewood Phuket
Project Location :



TESTING
No.0166

Lot ID: 231353

Date Received : Jan 06, 2023
Date Reported : Jan 23, 2023
Report Number : 2549354-1

Page 1 of 2

Sample Number	231353-1
Sampled Date	Jan 05, 2023 11:20 AM
Sample Description	Wastewater Treatment
Location	Effluent Water Tank
Date Analysis Commenced	Jan 06, 2023
Condition of Sample	Contained in one amber glass bottle and five plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD *	mg/L	-	2	4	No Standard	Based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B	Songkhla
COD	mg/L	-	25	30	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Songkhla
Oil & Grease	mg/L	-	3	<3	No Standard	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	No Standard	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	No Standard	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	616	No Standard	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	16.6	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Norg (C)	Bangkok

Approved by

Sutthirak T.

Sutthirak Tiprat
Scientist (2)

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Analysis / Test Report

Client : Emerald Bay Resort Co., Ltd.
88/28, 88/30-33, Muen-Ngern Rd, Tambon Patong, Amphoe Kathu, Phuket Thailand 83150

P/O :
Project Name : Rosewood Phuket
Project Location :



TESTING
No.0166

Lot ID: 231353

Date Received : Jan 06, 2023
Date Reported : Jan 23, 2023
Report Number : 2549354-1

Page 2 of 2

Sample Number	231353-1
Sampled Date	Jan 05, 2023 11:20 AM
Sample Description	Wastewater Treatment
Location	Effluent Water Tank
Date Analysis Commenced	Jan 06, 2023
Condition of Sample	Contained in one amber glass bottle and five plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Total Suspended Solids	mg/L	-	5	11	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Songkhla

Guideline :

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

Approved by

Sutthirak T.

Sutthirak Tiprat
Scientist (2)

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Analysis / Test Report

Client : Emerald Bay Resort Co., Ltd.

88/28, 88/30-33, Muen-Ngern Rd, Tambon Patong, Amphoe Kathu, Phuket Thailand
83150

P/O : i23-173144

Project Name : Rosewood Phuket

Project Location :



TESTING
No.0166

Lot ID: 2315183

Date Received : Feb 23, 2023

Date Reported : Mar 04, 2023

Report Number : 2584913-1

Page 1 of 2

Sample Number	2315183-1						
Sampled Date	Feb 22, 2023 11:05 AM						
Sample Description	Wastewater Treatment						
Location	Effluent Water Tank						
Date Analysis Commenced	Feb 23, 2023						
Condition of Sample	Contained in one amber glass bottle and five plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD *	mg/L	-	2	4.8	≤30	Based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B	Songkhla
COD	mg/L	-	25	43	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Songkhla
Oil & Grease	mg/L	-	3	<3	≤20	In-house method : STM 13-006 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Songkhla
pH at 25 degree C		-	-	8.0	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
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	560	(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	29.4	≤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

Client : Emerald Bay Resort Co., Ltd.

88/28, 88/30-33, Muen-Ngern Rd, Tambon Patong, Amphoe Kathu, Phuket Thailand
83150

P/O : i23-173144

Project Name : Rosewood Phuket

Project Location :



TESTING
No.0166

Lot ID: 2315183

Date Received : Feb 23, 2023

Date Reported : Mar 04, 2023

Report Number : 2584913-1

Page 2 of 2

Sample Number	2315183-1						
Sampled Date	Feb 22, 2023 11:05 AM						
Sample Description	Wastewater Treatment						
Location	Effluent Water Tank						
Date Analysis Commenced	Feb 23, 2023						
Condition of Sample	Contained in one amber glass bottle and five plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Total Suspended Solids	mg/L	-	5	15	≤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.

Sampling By : Yuttapong Rattana , Thaksin Aintrom

Remark :

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

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Analysis / Test Report

Client : Emerald Bay Resort Co., Ltd.
88/28, 88/30-33, Muen-Ngern Rd, Tambon Patong, Amphoe Kathu, Phuket Thailand 83150
P/O : 123-176618
Project Name : Rosewood Phuket
Project Location :



TESTING
No.0166

Lot ID: 2331542
Date Received : Mar 23, 2023
Date Reported : Mar 31, 2023
Report Number : 2599719-1

Page 1 of 3

Sample Number 2331542-1
Sample Date Mar 22, 2023 9:20 AM
Sample Description Wastewater Treatment
Location Effluent Water Tank
Date Analysis Commenced Mar 23, 2023
Condition of Sample Contained in one amber glass bottle and five plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD *	mg/L	-	2	6.8	≤30	Based on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B	Songkhla
COD	mg/L	-	25	48	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Songkhla
Oil & Grease	mg/L	-	3	<3	≤20	In-house method : STM 13-006 based on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Songkhla
pH at 25 degree C	-	-	-	7.7	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
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 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	460	(t)	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	27.9	≤35	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Norg (C)	Bangkok

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Ananta B

Ananta Boonphet
Scientist (2)

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P/O : 123-176618
Project Name : Rosewood Phuket
Project Location :



TESTING
No.0166

Lot ID: 2331542
Date Received : Mar 23, 2023
Date Reported : Mar 31, 2023
Report Number : 2599719-1

Page 2 of 3

Sample Number 2331542-1
Sample Date Mar 22, 2023 9:20 AM
Sample Description Wastewater Treatment
Location Effluent Water Tank
Date Analysis Commenced Mar 23, 2023
Condition of Sample Contained in one amber glass bottle and five plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Total Suspended Solids	mg/L	-	5	9	≤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.

Sampling By : Yuttapong Rattana, Thaksin Aintrom

Remark :

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

Ananta Boonphet
Scientist (2)

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Client : Emerald Bay Resort Co., Ltd.
88/28, 88/30-33, Muen-Ngern Rd, Tambon Patong, Amphoe Kathu, Phuket Thailand
83150

P/O :
Project Name : Rosewood Phuket
Project Location :



TESTING
No.0166

Lot ID: 2330491

Date Received : Apr 07, 2023
Date Reported : Apr 26, 2023
Report Number : 2632800-1

Page 1 of 2

Sample Number	2330491-1						
Sampled Date	Apr 06, 2023 9:40 AM						
Sample Description	Wastewater Treatment						
Location	Effluent Water Tank						
Date Analysis Commenced	Apr 07, 2023						
Condition of Sample	Contained in one amber glass bottle and five plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD *	mg/L	-	2	3.1	≤30	Based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B	Songkhla
COD	mg/L	-	25	48	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Songkhla
Oil & Grease	mg/L	-	3	<3	≤20	In-house method : STM 13-006 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5520 B	Songkhla
pH at 25 degree C		-	-	7.8	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	0.6	≤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	492	(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	45.3	≤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

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83150

P/O :
Project Name : Rosewood Phuket
Project Location :



TESTING
No.0166

Lot ID: 2330491

Date Received : Apr 07, 2023
Date Reported : Apr 26, 2023
Report Number : 2632800-1

Page 2 of 2

Sample Number	2330491-1						
Sampled Date	Apr 06, 2023 9:40 AM						
Sample Description	Wastewater Treatment						
Location	Effluent Water Tank						
Date Analysis Commenced	Apr 07, 2023						
Condition of Sample	Contained in one amber glass bottle and five plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Total Suspended Solids	mg/L	-	5	14	≤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.

Sampling By : Yuttapong Rattana , Thaksin Aintrom

Remark :

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

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83150

P/O : i23-183712

Project Name : Rosewood Phuket

Project Location :



TESTING
No.0166

Lot ID: 2360442

Date Received : May 26, 2023

Date Reported : Jun 06, 2023

Report Number : 2661373-1

Page 1 of 3

Sample Number	2360442-1						
Sampled Date	May 25, 2023 9:25 AM						
Sample Description	Wastewater Treatment						
Location	Effluent Water Tank						
Date Analysis Commenced	May 26, 2023						
Condition of Sample	Contained in one amber glass bottle and five plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
BOD *	mg/L	-	2	<2	≤30	Based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5210 B	Songkhla
COD	mg/L	-	25	<25	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 5220 D	Songkhla
Oil & Grease	mg/L	-	3	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		-	-	7.9	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	0.6	≤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	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	25.3	≤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

Client : Emerald Bay Resort Co., Ltd.

88/28, 88/30-33, Muen-Ngern Rd, Tambon Patong, Amphoe Kathu, Phuket Thailand
83150

P/O : i23-183712

Project Name : Rosewood Phuket

Project Location :



TESTING
No.0166

Lot ID: 2360442

Date Received : May 26, 2023

Date Reported : Jun 06, 2023

Report Number : 2661373-1

Page 2 of 3

Sample Number	2360442-1						
Sampled Date	May 25, 2023 9:25 AM						
Sample Description	Wastewater Treatment						
Location	Effluent Water Tank						
Date Analysis Commenced	May 26, 2023						
Condition of Sample	Contained in one amber glass bottle and five plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Total Suspended Solids	mg/L	-	5	9	≤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.

Sampling By : Yuttapong Rattana , Thaksin Aintrom

Remark :

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

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83150
P/O : i23-187448
Project Name : Rosewood Phuket
Project Location :



TESTING
No.0009

Lot ID: 2375829
Date Received : Jun 30, 2023
Date Reported : Jul 06, 2023
Report Number : 2700269-1

Page 1 of 2

Sample Number	2375829-1
Sampled Date	Jun 29, 2023 2:25 PM
Sample Description	Wastewater Treatment
Location	Effluent Water Tank
Date Analysis Commenced	Jun 30, 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	11.1	≤30	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		-	-	7.4	5.0-9.0	In-house method : STM 13-001 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Songkhla
Settleable Solid *	mL/L/hr	-	0.1	0.1	≤0.5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 F	Songkhla
Sulfide *	mg/L	-	0.5	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	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	19.1	≤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	25	≤40	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Songkhla

Approved by

Ananta B.

Ananta Boonphet
Scientist (2)

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Analysis / Test Report

Client : Emerald Bay Resort Co., Ltd.
88/28, 88/30-33, Muen-Ngern Rd, Tambon Patong, Amphoe Kathu, Phuket Thailand
83150
P/O : i23-187448
Project Name : Rosewood Phuket
Project Location :



TESTING
No.0009

Lot ID: 2375829
Date Received : Jun 30, 2023
Date Reported : Jul 06, 2023
Report Number : 2700269-1

Page 2 of 2

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.
Sampling By : Yuttapong Rattana , Thaksin Aintrom

Remark :

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025.
- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Approved by

Ananta B.

Ananta Boonphet
Scientist (2)

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Analysis / Test Report

Client : Emerald Bay Resort Co., Ltd.
88/28, 88/30-33, Muen-Ngern Rd, Tambon Patong, Amphoe Kathu, Phuket Thailand
83150
P/O : i23-191512
Project Name : Rosewood Phuket
Project Location :



TESTING
No.0166

Lot ID: 2381252
Date Received : Jul 27, 2023
Date Reported : Aug 08, 2023
Report Number : 2738934-1

Page 1 of 2

Sample Number	2381252-1
Sampled Date	Jul 26, 2023 1:50 PM
Sample Description	Wastewater Treatment
Location	Effluent Water Tank
Date Analysis Commenced	Jul 27, 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	≤30	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		-	-	7.7	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
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	<0.5	≤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	524	(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	<1.0	≤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	<5	≤40	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Songkhla

Approved by

Ananta B.

Ananta Boonphet
Scientist (2)

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Analysis / Test Report

Client : Emerald Bay Resort Co., Ltd.
88/28, 88/30-33, Muen-Ngern Rd, Tambon Patong, Amphoe Kathu, Phuket Thailand
83150
P/O : i23-191512
Project Name : Rosewood Phuket
Project Location :



TESTING
No.0166

Lot ID: 2381252
Date Received : Jul 27, 2023
Date Reported : Aug 08, 2023
Report Number : 2738934-1

Page 2 of 2

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.
Sampling By : Yuttapong Rattana

Remark :

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025.
- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

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Ananta Boonphet
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Analysis / Test Report

Client : Emerald Bay Resort Co., Ltd.
88/28, 88/30-33, Muen-Ngern Rd, Tambon Patong, Amphoe Kathu, Phuket Thailand
83150
P/O : i23-195124
Project Name : Rosewood Phuket
Project Location :



TESTING
No.0166

Lot ID: 2397823

Date Received : Aug 24, 2023
Date Reported : Sep 01, 2023
Report Number : 2763940-1

Page 1 of 2

Sample Number	2397823-1
Sampled Date	Aug 23, 2023 9:50 AM
Sample Description	Wastewater Treatment
Location	Effluent Water Tank
Date Analysis Commenced	Aug 24, 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	≤30	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		-	-	7.7	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
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	<0.5	≤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	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	<1.0	≤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	<5	≤40	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Songkhla

Approved by

Ananta B.

Ananta Boonphet
Scientist (2)

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Analysis / Test Report

Client : Emerald Bay Resort Co., Ltd.
88/28, 88/30-33, Muen-Ngern Rd, Tambon Patong, Amphoe Kathu, Phuket Thailand
83150
P/O : i23-195124
Project Name : Rosewood Phuket
Project Location :



TESTING
No.0166

Lot ID: 2397823

Date Received : Aug 24, 2023
Date Reported : Sep 01, 2023
Report Number : 2763940-1

Page 2 of 2

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.
Sampling By : Thaksin Aintrom

Remark :

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- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025.
- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

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Analysis / Test Report

Client : Emerald Bay Resort Co., Ltd.

88/28, 88/30-33, Muen-Ngern Rd, Tambon Patong, Amphoe Kathu, Phuket Thailand 83150

P/O :

Project Name : Rosewood Phuket

Project Location:



TESTING
No.0166

Lot ID: 23118433

Date Received : Oct 13, 2023

Date Reported : Oct 25, 2023

Report Number : 2801703-1

Page 1 of 3

Sample Number	23118433-1						
Sampled Date	Oct 12, 2023 9:50 AM						
Sample Description	Wastewater Treatment						
Location	Effluent Water Tank						
Date Analysis Commenced	Oct 13, 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	≤30	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		-	-	7.6	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	0.6	≤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	728	(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	Not Detected	≤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	<5	≤40	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Songkhla

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Ananta B.

Ananta Boonphet
Scientist (2)

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Analysis / Test Report

Client : Emerald Bay Resort Co., Ltd.

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P/O :

Project Name : Rosewood Phuket

Project Location:



TESTING
No.0166

Lot ID: 23118433

Date Received : Oct 13, 2023

Date Reported : Oct 25, 2023

Report Number : 2801703-1

Page 2 of 3

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.

Sampling By : Thaksin Aintrom

Remark :

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025.
- [A] Analysis conducted by ALS Laboratory Group (Thailand) Co.,Ltd, Bangkok Branch, DSS Accreditation No. 0009.
- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

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Ananta B.

Ananta Boonphet
Scientist (2)

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Analysis / Test Report

Client : Emerald Bay Resort Co., Ltd.

88/28, 88/30-33, Muen-Ngern Rd, Tambon Patong, Amphoe Kathu, Phuket Thailand
83150

P/O :

Project Name : Rosewood Phuket

Project Location:



TESTING
No.0166

Lot ID: 23129949

Date Received : Nov 10, 2023

Date Reported : Nov 20, 2023

Report Number : 2827740-1

Page 1 of 3

Sample Number	23129949-1						
Sampled Date	Nov 09, 2023 10:35 AM						
Sample Description	Wastewater Treatment						
Location	Effluent Water Tank						
Date Analysis Commenced	Nov 10, 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	≤30	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		-	-	7.5	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	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	736	(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	Not Detected	≤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	<5	≤40	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Songkhla

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.

Approved by

Chompoonuch F.

Chompoonuch Funtha
Supervisor

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Analysis / Test Report

Client : Emerald Bay Resort Co., Ltd.

88/28, 88/30-33, Muen-Ngern Rd, Tambon Patong, Amphoe Kathu, Phuket Thailand
83150

P/O :

Project Name : Rosewood Phuket

Project Location:



TESTING
No.0166

Lot ID: 23129949

Date Received : Nov 10, 2023

Date Reported : Nov 20, 2023

Report Number : 2827740-1

Page 2 of 3

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.

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
Supervisor

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Analysis / Test Report

Client : Emerald Bay Resort Co., Ltd.
88/28, 88/30-33, Muen-Ngern Rd, Tambon Patong, Amphoe Kathu, Phuket Thailand
83150

P/O :
Project Name : Rosewood Phuket
Project Location :



TESTING
No.0166

Lot ID: 23133639

Date Received : Dec 08, 2023
Date Reported : Dec 25, 2023
Report Number : 2866312-1

Page 1 of 2

Sample Number	23133639-1
Sampled Date	Dec 07, 2023 11:40 AM
Sample Description	Wastewater Treatment
Location	Effluent Water Tank
Date Analysis Commenced	Dec 08, 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	≤30	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		-	-	7.6	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	<0.5	≤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	612	(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	Not Detected	≤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	<5	≤40	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2540 D	Songkhla

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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Ananta B.

Ananta Boonphet
Scientist (2)

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Analysis / Test Report

Client : Emerald Bay Resort Co., Ltd.
88/28, 88/30-33, Muen-Ngern Rd, Tambon Patong, Amphoe Kathu, Phuket Thailand
83150

P/O :
Project Name : Rosewood Phuket
Project Location :



TESTING
No.0166

Lot ID: 23133639

Date Received : Dec 08, 2023
Date Reported : Dec 25, 2023
Report Number : 2866312-1

Page 2 of 2

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.

Sampling By : Thaksin Aintrom

Remark :

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- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
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ภาคผนวก ง.3

ผลการวิเคราะห์คุณภาพน้ำรีไซเคิล



Analysis / Test Report

Client : Emerald Bay Resort Co., Ltd.
88/28, 88/30-33, Muen-Ngern Rd, Tambon Patong, Amphoe Kathu, Phuket Thailand
83150
P/O : i23-169069
Project Name : Rosewood Phuket
Project Location :



TESTING
No.0166

Lot ID: 232427
Date Received : Jan 26, 2023
Date Reported : Feb 03, 2023
Report Number : 2537686-1

Page 1 of 1

Sample Number	232427-1						
Sampled Date	Jan 25, 2023 10:39 AM						
Sample Description	Wastewater Treatment						
Location	Recycle Water Tank						
Date Analysis Commenced	Jan 26, 2023						
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>	MPN/100mL	-	-	33000.0	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B. F	Songkhla
Total Coliform	MPN/100mL	-	-	79000.0	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B	Songkhla
Water Testing							
pH at 25 degree C		-	-	7.6	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
Residual Free Chlorine	mg/L	-	0.1	<0.1	0.2-2.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Cl (F)	Songkhla

Guideline : Water quality standards of the Metropolitan Waterworks Authority
(1) : Inorganic Mercury
Sampling By : Yuttapong Rattana , Thaksin Aintrom

Remark :
- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025.
- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Approved by

Sutthirak T.

Sutthirak Tiprat
Scientist (2)

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Analysis / Test Report

Client : Emerald Bay Resort Co., Ltd.
88/28, 88/30-33, Muen-Ngern Rd, Tambon Patong, Amphoe Kathu, Phuket Thailand
83150
P/O : i23-173144
Project Name : Rosewood Phuket
Project Location :



TESTING
No.0166

Lot ID: 2315183
Date Received : Feb 23, 2023
Date Reported : Mar 04, 2023
Report Number : 2584914-1

Page 1 of 1

Sample Number	2315183-2						
Sampled Date	Feb 22, 2023 11:00 AM						
Sample Description	Wastewater Treatment						
Location	Recycle Water Tank						
Date Analysis Commenced	Feb 23, 2023						
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> *	MPN/100mL	-	-	2400.0	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B, F	Bangkok
Total Coliform *	MPN/100mL	-	-	3300.0	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B	Bangkok
Water Testing							
pH at 25 degree C		-	-	7.8	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
Residual Free Chlorine	mg/L	-	0.1	<0.1	0.2-2.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Cl (F)	Songkhla

Guideline : Water quality standards of the Metropolitan Waterworks Authority
(1) : Inorganic Mercury
Sampling By : Yuttapong Rattana , Thaksin Aintrom

Remark :
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Approved by

Ananta B.

Ananta Boonphet
Scientist (2)

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Analysis / Test Report

TESTING
No.0166

Client : Emerald Bay Resort Co., Ltd.
88/28, 88/30-33, Muen-Ngern Rd, Tambon Patong, Amphoe Kathu, Phuket Thailand
83150
P/O : 123-176618
Project Name : Rosewood Phuket
Project Location :

Lot ID: 2331542
Date Received : Mar 23, 2023
Date Reported : Mar 31, 2023
Report Number : 2599719-1

Page 3 of 3

Sample Number	2331542-2
Sampled Date	Mar 22, 2023 9:12 AM
Sample Description	Wastewater Treatment
Location	Recycle Water Tank
Date Analysis Commenced	Mar 23, 2023
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>	MPN/100mL	-	-	2400.0	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B, F	Songkhla
Total Coliform	MPN/100mL	-	-	4900.0	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B	Songkhla
Water Testing							
pH at 25 degree C	-	-	-	7.8	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
Residual Free Chlorine	mg/L	-	0.1	<0.1	0.2-2.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Cl (F)	Songkhla

Guideline : Water quality standards of the Metropolitan Waterworks Authority
(1) : Inorganic Mercury
Sampling By : Yuttapong Rattana , Thaksin Aintrom

Remark :
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Approved by

Ananta B.

Ananta Boonphet
Scientist (2)

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Analysis / Test Report

TESTING
No.0166

Client : Emerald Bay Resort Co., Ltd.
88/28, 88/30-33, Muen-Ngern Rd, Tambon Patong, Amphoe Kathu, Phuket Thailand
83150

P/O :
Project Name : Rosewood Phuket
Project Location :

Lot ID: 2330491
Date Received : Apr 07, 2023
Date Reported : Apr 26, 2023
Report Number : 2632801-1

Page 1 of 1

Sample Number	2330491-2
Sampled Date	Apr 06, 2023 9:34 AM
Sample Description	Wastewater Treatment
Location	Recycle Water Tank
Date Analysis Commenced	Apr 07, 2023
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>	MPN/100mL	-	-	2400.0	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B, F	Songkhla
Total Coliform	MPN/100mL	-	-	4900.0	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B	Songkhla
Water Testing							
pH at 25 degree C	-	-	-	8.1	5.0-9.0	In-house method : STM 13-001 based on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Songkhla
Residual Free Chlorine	mg/L	-	0.1	<0.1	No Standard	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Cl (F)	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.

Sampling By : Yuttapong Rattana , Thaksin Aintrom

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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Analysis / Test Report

Client : Emerald Bay Resort Co., Ltd.
88/28, 88/30-33, Muen-Ngern Rd, Tambon Patong, Amphoe Kathu, Phuket Thailand
83150
P/O : i23-183712
Project Name : Rosewood Phuket
Project Location :



TESTING
No.0166

Lot ID: 2360442
Date Received : May 26, 2023
Date Reported : Jun 06, 2023
Report Number : 2661373-1

Page 3 of 3

Sample Number	2360442-2						
Sampled Date	May 25, 2023 9:15 AM						
Sample Description	Wastewater Treatment						
Location	Recycle Water Tank						
Date Analysis Commenced	May 26, 2023						
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>	MPN/100mL	-	-	<1.8	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B. F	Songkhla
Total Coliform	MPN/100mL	-	-	<1.8	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B	Songkhla
Water Testing							
pH at 25 degree C		-	-	7.8	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
Residual Free Chlorine	mg/L	-	0.1	0.8	0.2-2.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Cl (F)	Songkhla

Guideline : Water quality standards of the Metropolitan Waterworks Authority
(1) : Inorganic Mercury
Sampling By : Yuttapong Rattana , Thaksin Aintrom

Remark :
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Approved by

Ananta B.

Ananta Boonphet
Scientist (2)

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Analysis / Test Report

Client : Emerald Bay Resort Co., Ltd.
88/28, 88/30-33, Muen-Ngern Rd, Tambon Patong, Amphoe Kathu, Phuket Thailand
83150
P/O : i23-187448
Project Name : Rosewood Phuket
Project Location :



TESTING
No.0009

Lot ID: 2367607
Date Received : Jun 29, 2023
Date Reported : Jul 07, 2023
Report Number : 2680446-1

Page 1 of 1

Sample Number	2367607-2						
Sampled Date	Jun 28, 2023 9:57 AM						
Sample Description	Wastewater Treatment						
Location	Recycle Water Tank						
Date Analysis Commenced	Jun 29, 2023						
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>	MPN/100mL	-	-	<1.8	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B. F	Songkhla
Total Coliform	MPN/100mL	-	-	<1.8	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B	Songkhla
Water Testing							
pH at 25 degree C		-	-	7.8	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
Residual Free Chlorine	mg/L	-	0.1	1.6	0.2-2.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Cl (F)	Songkhla

Guideline : Water quality standards of the Metropolitan Waterworks Authority
(1) : Inorganic Mercury
Sampling By : Yuttapong Rattana , Thaksin Aintrom

Remark :
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Approved by

Chompoonuch F.

Chompoonuch Funtha
Supervisor

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Analysis / Test Report

Client : Emerald Bay Resort Co., Ltd.

88/28, 88/30-33, Muen-Ngern Rd, Tambon Patong, Amphoe Kathu, Phuket Thailand 83150

P/O : i23-191512

Project Name : Rosewood Phuket

Project Location :



TESTING
No.0166

Lot ID: 2381252

Date Received : Jul 27, 2023

Date Reported : Aug 08, 2023

Report Number : 2738935-1

Page 1 of 1

Sample Number	2381252-2				
Sampled Date	Jul 26, 2023 1:17 PM				
Sample Description	Wastewater Treatment				
Location	Recycle Water Tank				
Date Analysis Commenced	Jul 27, 2023				
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						
^[A] <i>Escherichia coli</i>	MPN/100mL	-	-	<1.8	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B, F	Bangkok
^[A] Total Coliform	MPN/100mL	-	-	<1.8	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B	Bangkok
Water Testing						
pH at 25 degree C		-	-	7.8	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

Sampling By : Yuttapong Rattana

Remark :

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025.
- [A] Analysis conducted by ALS Laboratory Group (Thailand) Co.,Ltd. Bangkok Branch, DSS Accreditation No. 0009.
- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Approved by

Ananta B.

Ananta Boonphet
Scientist (2)

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Analysis / Test Report

Client : Emerald Bay Resort Co., Ltd.

88/28, 88/30-33, Muen-Ngern Rd, Tambon Patong, Amphoe Kathu, Phuket Thailand 83150

P/O : i23-195124

Project Name : Rosewood Phuket

Project Location :



TESTING
No.0166

Lot ID: 2397823

Date Received : Aug 24, 2023

Date Reported : Sep 02, 2023

Report Number : 2763941-1

Page 1 of 1

Sample Number	2397823-2				
Sampled Date	Aug 23, 2023 9:40 AM				
Sample Description	Wastewater Treatment				
Location	Recycle Water Tank				
Date Analysis Commenced	Aug 24, 2023				
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>	MPN/100mL	-	-	33.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B, F	Bangkok
Total Coliform	MPN/100mL	-	-	79.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B	Bangkok
Water Testing						
pH at 25 degree C		-	-	7.8	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	<0.1	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Cl (F)	Songkhla

Sampling By : Thaksin Aintrom

Remark :

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Approved by

Sithichok T.

Sithichok Thongnguen
Scientist (3)

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Analysis / Test Report

Client : Emerald Bay Resort Co., Ltd.
88/28, 88/30-33, Muen-Ngern Rd, Tambon Patong, Amphoe Kathu, Phuket Thailand
83150
P/O : i23-198196
Project Name : Rosewood Phuket
Project Location :



TESTING
No.0166

Lot ID: 2398933

Date Received : Sep 08, 2023
Date Reported : Sep 25, 2023
Report Number : 2786937-1

Page 1 of 1

Sample Number	2398933-2						
Sampled Date	Sep 07, 2023 9:38 AM						
Sample Description	Wastewater Treatment						
Location	Recycle Water Tank						
Date Analysis Commenced	Sep 08, 2023						
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							
^[A] <i>Escherichia coli</i>	MPN/100mL	-	-	<1.8	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B, F	Bangkok
^[A] Total Coliform	MPN/100mL	-	-	<1.8	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B	Bangkok
Water Testing							
pH at 25 degree C		-	-	7.7	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
Residual Free Chlorine	mg/L	-	0.1	1.6	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Cl (F)	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.

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

Approved by

Ananta B.

Ananta Boonphet
Scientist (2)

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Analysis / Test Report

Client : Emerald Bay Resort Co., Ltd.
88/28, 88/30-33, Muen-Ngern Rd, Tambon Patong, Amphoe Kathu, Phuket Thailand
83150

P/O :
Project Name : Rosewood Phuket
Project Location :



TESTING
No.0166

Lot ID: 23118433

Date Received : Oct 13, 2023
Date Reported : Oct 25, 2023
Report Number : 2801703-1

Page 3 of 3

Sample Number	23118433-2						
Sampled Date	Oct 12, 2023 9:45 AM						
Sample Description	Wastewater Treatment						
Location	Recycle Water Tank						
Date Analysis Commenced	Oct 13, 2023						
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							
^[A] <i>Escherichia coli</i>	MPN/100mL	-	-	490.0	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B, F	Bangkok
^[A] Total Coliform	MPN/100mL	-	-	700.0	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B	Bangkok
Water Testing							
pH at 25 degree C		-	-	7.7	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
Residual Free Chlorine	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-Cl (F)	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.

Sampling By : Thaksin Aintrom

Remark :

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025.
- [A] Analysis conducted by ALS Laboratory Group (Thailand) Co.,Ltd. Bangkok Branch, DSS Accreditation No. 0009.
- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Approved by

Ananta B.

Ananta Boonphet
Scientist (2)

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Analysis / Test Report

Client : Emerald Bay Resort Co., Ltd.

88/28, 88/30-33, Muen-Ngern Rd, Tambon Patong, Amphoe Kathu, Phuket Thailand 83150

P/O :

Project Name : Rosewood Phuket

Project Location:



TESTING
No.0166

Lot ID: 23129949

Date Received : Nov 10, 2023

Date Reported : Nov 20, 2023

Report Number : 2827740-1

Page 3 of 3

Sample Number	23129949-2						
Sampled Date	Nov 09, 2023 10:21 AM						
Sample Description	Wastewater Treatment						
Location	Recycle Water Tank						
Date Analysis Commenced	Nov 10, 2023						
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>	MPN/100mL	-	-	<1.8	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B. F	Songkhla
Total Coliform	MPN/100mL	-	-	<1.8	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B	Songkhla
Water Testing							
pH at 25 degree C		-	-	7.6	5.0-9.0	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	3.8	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Cl (F)	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.

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

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 : Emerald Bay Resort Co., Ltd.

88/28, 88/30-33, Muen-Ngern Rd, Tambon Patong, Amphoe Kathu, Phuket Thailand 83150

P/O :

Project Name : Rosewood Phuket

Project Location:



TESTING
No.0166

Lot ID: 23133639

Date Received : Dec 08, 2023

Date Reported : Dec 25, 2023

Report Number : 2866313-1

Page 1 of 1

Sample Number	23133639-2						
Sampled Date	Dec 07, 2023 11:30 AM						
Sample Description	Wastewater Treatment						
Location	Recycle Water Tank						
Date Analysis Commenced	Dec 08, 2023						
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>	MPN/100mL	-	-	1300.0	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B. F	Songkhla
Total Coliform	MPN/100mL	-	-	3300.0	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B	Songkhla
Water Testing							
pH at 25 degree C		-	-	7.6	5.0-9.0	In-house method : STM 13-001 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Songkhla
Residual Free Chlorine	mg/L	-	0.1	<0.1	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Cl (F)	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.

Sampling By : Thaksin Aintrom

Remark :

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025.
- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Approved by

Ananta B.

Ananta Boonphet
Scientist (2)

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ภาคผนวก ง.4

ผลการวิเคราะห์คุณภาพน้ำสระว่ายนํ้า



Analysis / Test Report

Client : Emerald Bay Resort Co., Ltd.
88/28, 88/30-33, Muen-Ngern Rd, Tambon Patong, Amphoe Kathu, Phuket Thailand 83150

P/O :
Project Name : Rosewood Phuket
Project Location :

Lot ID: 231353

Date Received : Jan 06, 2023
Date Reported : Jan 23, 2023
Report Number : 2549361-1

Page 1 of 1

Sample Number	231353-8						
Sampled Date	Jan 05, 2023 10:37 AM						
Sample Description	Swimming Pool Water Quality						
Location	Main Pool (Beach Side) / Shallow						
Date Analysis Commenced	Jan 06, 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
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, 23rd ed., 2017, part 9221 B, F	Songkhla
<i>Legionella spp.</i>	CFU/L	-	-	<1	No Standard	ISO 11731 (2017)	Bangkok
Total Coliform	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	Songkhla

Guideline : Water quality standards of the Metropolitan Waterworks Authority
(1) : Inorganic Mercury
Note : Microbiological Testing Result <1 mean Bacteria not found in agar plate.

Sampling By :

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

Approved by

Chompoonuch F.

Chompoonuch Funttha
Scientist (4)

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Analysis / Test Report

Client : Emerald Bay Resort Co., Ltd.
88/28, 88/30-33, Muen-Ngern Rd, Tambon Patong, Amphoe Kathu, Phuket Thailand 83150

P/O :
Project Name : Rosewood Phuket
Project Location :

Lot ID: 231422

Date Received : Jan 13, 2023
Date Reported : Jan 23, 2023
Report Number : 2535206-1

Page 1 of 4

Sample Number	231422-1						
Sampled Date	Jan 12, 2023 9:30 AM						
Sample Description	Swimming Pool Water Quality						
Location	Main Pool (Beach Side) / Shallow						
Date Analysis Commenced	Jan 13, 2023						
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, 23rd ed., 2017, part 9221 B, F	Songkhla
Total Coliform	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	Songkhla

Guideline : Water quality standards of the Metropolitan Waterworks Authority
(1) : Inorganic Mercury
Sampling By :

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

Approved by

Chompoonuch F.

Chompoonuch Funttha
Scientist (4)

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Analysis / Test Report

Client : Emerald Bay Resort Co., Ltd.

88/28, 88/30-33, Muen-Ngern Rd, Tambon Patong, Amphoe Kathu, Phuket Thailand
83150

P/O : i23-169067

Project Name : Rosewood Phuket

Project Location :

Lot ID: 231431

Date Received : Jan 20, 2023

Date Reported : Jan 30, 2023

Report Number : 2535207-1

Page 1 of 4

Sample Number	231431-1						
Sampled Date	Jan 19, 2023 10:20 AM						
Sample Description	Swimming Pool Water Quality						
Location	Main Pool (Beach Side) / Shallow						
Date Analysis Commenced	Jan 20, 2023						
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, 23rd ed., 2017, part 9221 B, F	Songkhla
Total Coliform	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	Songkhla

Guideline : Water quality standards of the Metropolitan Waterworks Authority

(1) : Inorganic Mercury

Sampling By : Yuttapong Rattana , Thaksin Aintrom

Remark :

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

Approved by

Chompoonuch F.

Chompoonuch Funttha
Scientist (4)

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Analysis / Test Report

Client : Emerald Bay Resort Co., Ltd.

88/28, 88/30-33, Muen-Ngern Rd, Tambon Patong, Amphoe Kathu, Phuket Thailand
83150

P/O : i23-173142

Project Name : Rosewood Phuket

Project Location :

Lot ID: 237928

Date Received : Feb 17, 2023

Date Reported : Feb 27, 2023

Report Number : 2549089-1

Page 1 of 4

Sample Number	237928-1						
Sampled Date	Feb 16, 2023 9:49 AM						
Sample Description	Swimming Pool Water Quality						
Location	Main Pool (Beach Side) / Shallow						
Date Analysis Commenced	Feb 17, 2023						
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, 23rd ed., 2017, part 9221 B, F	Songkhla
Total Coliform	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	Songkhla

Guideline : Water quality standards of the Metropolitan Waterworks Authority

(1) : Inorganic Mercury

Sampling By : Yuttapong Rattana , Thaksin Aintrom

Remark :

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

Approved by

Chompoonuch F.

Chompoonuch Funttha
Scientist (4)

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Analysis / Test Report

Client : Emerald Bay Resort Co., Ltd.
88/28, 88/30-33, Muen-Ngern Rd, Tambon Patong, Amphoe Kathu, Phuket Thailand 83150
P/O : i23-173143
Project Name : Rosewood Phuket
Project Location :

Lot ID: 237929
Date Received : Feb 23, 2023
Date Reported : Mar 04, 2023
Report Number : 2549090-1

Page 1 of 4

Sample Number	237929-1						
Sampled Date	Feb 22, 2023 11:36 AM						
Sample Description	Swimming Pool Water Quality						
Location	Main Pool (Beach Side) / Shallow						
Date Analysis Commenced	Feb 23, 2023						
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, 23rd ed., 2017, part 9221 F	Bangkok
Total Coliform	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	Bangkok

Guideline : Water quality standards of the Metropolitan Waterworks Authority
(1) : Inorganic Mercury
Sampling By : Yuttapong Rattana

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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Analysis / Test Report

Client : Emerald Bay Resort Co., Ltd.
88/28, 88/30-33, Muen-Ngern Rd, Tambon Patong, Amphoe Kathu, Phuket Thailand 83150
P/O :
Project Name : Rosewood Phuket
Project Location :

Sample Number	2321986-9						
Sampled Date	Mar 02, 2023 1:10 PM						
Sample Description	Swimming Pool Water Quality						
Location	Main Pool (Beach Side) / Shallow						
Date Analysis Commenced	Mar 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
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, 23rd ed., 2017, part 9221 B, F	Bangkok
<i>Legionella spp. *</i>	CFU/L	-	-	<1	No Standard	ISO 11731 (2017)	Bangkok
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	Bangkok

Guideline : คำแนะนำของคณะกรรมการสาธารณสุข ฉบับที่ 1/2550 เรื่อง การควบคุมการประกอบกิจการสระว่ายน้ำ หรือกิจการอื่น ๆ ในทำนองเดียวกัน

Note :
1. Microbiological Testing Result <1 mean Bacteria not found in agar plate.
2. This Analysis test report is reissued to supersede report No.2578950-1, Date Reported : Mar 21, 2023 due to revise guideline/specification

Sampling By : Yuttapong Rattana , Thaksin Aintrom

Remark :
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- "<" : 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

Tuanjai Thangklang
Manager

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TESTING
No.0009

Lot ID: 2321986
Date Received : Mar 03, 2023
Date Reported : Mar 24, 2023
Report Number : 2603497-1



Analysis / Test Report

Client : Emerald Bay Resort Co., Ltd.
88/28, 88/30-33, Muen-Ngern Rd, Tambon Patong, Amphoe Kathu, Phuket Thailand
83150

P/O :
Project Name : Rosewood Phuket
Project Location:

Lot ID: 2321990
Date Received : Mar 17, 2023
Date Reported : Mar 24, 2023
Report Number : 2578952-1

Page 1 of 4

Sample Number	2321990-1						
Sampled Date	Mar 16, 2023 9:20 AM						
Sample Description	Swimming Pool Water Quality						
Location	Main Pool (Beach Side) / Shallow						
Date Analysis Commenced	Mar 17, 2023						
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, 23rd ed., 2017, part 9221 B, F	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 : คำแนะนำของคณะกรรมการสาธารณสุข ฉบับที่ 1/2550 เรื่อง การควบคุมการประกอบกิจการสระว่ายน้ำ หรือกิจการอื่น ๆ ในทำนองเดียวกัน

Sampling By : Yuttapong Rattana , Thaksin Aintrom

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

Approved by

Chompoonuch F.

Chompoonuch Funtha
Scientist (4)

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Analysis / Test Report

Client : Emerald Bay Resort Co., Ltd.
88/28, 88/30-33, Muen-Ngern Rd, Tambon Patong, Amphoe Kathu, Phuket Thailand
83150

P/O : i23-176617
Project Name : Rosewood Phuket
Project Location:

Lot ID: 2321991
Date Received : Mar 23, 2023
Date Reported : Mar 30, 2023
Report Number : 2578953-1

Page 1 of 4

Sample Number	2321991-1						
Sampled Date	Mar 22, 2023 9:54 AM						
Sample Description	Swimming Pool Water Quality						
Location	Main Pool (Beach Side) / Shallow						
Date Analysis Commenced	Mar 23, 2023						
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, 23rd ed., 2017, part 9221 B, F	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 : คำแนะนำของคณะกรรมการสาธารณสุข ฉบับที่ 1/2550 เรื่อง การควบคุมการประกอบกิจการสระว่ายน้ำ หรือกิจการอื่น ๆ ในทำนองเดียวกัน

Sampling By : Yuttapong Rattana , Thaksin Aintrom

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

Approved by

Chompoonuch F.

Chompoonuch Funtha
Scientist (4)

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Analysis / Test Report

Client : Emerald Bay Resort Co., Ltd.
88/28, 88/30-33, Muen-Ngern Rd, Tambon Patong, Amphoe Kathu, Phuket Thailand
83150

P/O :
Project Name : Rosewood Phuket
Project Location :

Lot ID: 2330491

Date Received : Apr 07, 2023
Date Reported : Apr 26, 2023
Report Number : 2632807-1

Page 1 of 1

Sample Number	2330491-8						
Sampled Date	Apr 06, 2023 9:24 AM						
Sample Description	Swimming Pool Water Quality						
Location	Main Pool (Beach Side) / Shallow						
Date Analysis Commenced	Apr 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
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, 23rd ed., 2017, part 9221 B, F	Songkhla
<i>Legionella spp.</i>	CFU/L	-	-	<1	No Standard	ISO 11731 (2017)	Bangkok
Total Coliform	MPN/100mL	-	-	<1.1	<10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B	Songkhla

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Note : Microbiological Testing Result <1 mean Bacteria not found in agar plate.

Sampling By : Yuttapong Rattana , Thaksin Aintrom

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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83150

P/O :
Project Name : Rosewood Phuket
Project Location :

TESTING
No.0009

Lot ID: 2330494

Date Received : Apr 12, 2023
Date Reported : Apr 24, 2023
Report Number : 2597784-1

Page 1 of 4

Sample Number	2330494-1						
Sampled Date	Apr 11, 2023 12:07 PM						
Sample Description	Swimming Pool Water Quality						
Location	Main Pool (Beach Side) / Shallow						
Date Analysis Commenced	Apr 12, 2023						
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, 23rd ed., 2017, part 9221 B, F	Bangkok
Total Coliform	MPN/100mL	-	-	<1.1	<10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B	Bangkok

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Sampling By : Narisa Narumid

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

Suwannee Chumkeaw

Suwannee Chumkeaw
Section Head

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P/O : i23-180756
Project Name : Rosewood Phuket
Project Location :

Lot ID: 2330495
Date Received : Apr 19, 2023
Date Reported : Apr 28, 2023
Report Number : 2597785-1

Page 1 of 4

Sample Number	2330495-1						
Sampled Date	Apr 18, 2023 10:15 AM						
Sample Description	Swimming Pool Water Quality						
Location	Main Pool (Beach Side) / Shallow						
Date Analysis Commenced	Apr 19, 2023						
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	-	-	Detected	Not Detected	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B, F	Songkhla
Total Coliform	MPN/100mL	-	-	3.6	<10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B	Songkhla

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Sampling By : Yuttapong Rattana , Thaksin Aintrom

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 : i23-180757
Project Name : Rosewood Phuket
Project Location :

Lot ID: 2330496
Date Received : Apr 27, 2023
Date Reported : May 08, 2023
Report Number : 2597787-1

Page 1 of 4

Sample Number	2330496-1						
Sampled Date	Apr 26, 2023 9:00 AM						
Sample Description	Swimming Pool Water Quality						
Location	Main Pool (Beach Side) / Shallow						
Date Analysis Commenced	Apr 27, 2023						
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	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B, F	Songkhla
Total Coliform	MPN/100mL	-	-	<1.1	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B	Songkhla

Guideline :

Sampling By : Narisa Narumid

Remark :

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Approved by

Chompoonuch F.

Chompoonuch Funtha
Supervisor

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83150

P/O :
Project Name : Rosewood Phuket
Project Location :



TESTING
No.0009

Lot ID: 2347744
Date Received : May 05, 2023
Date Reported : May 22, 2023
Report Number : 2635309-1

Page 1 of 4

Sample Number	2347744-8
Sampled Date	May 04, 2023 1:10 PM
Sample Description	Swimming Pool Water Quality
Location	Main Pool (Beach Side) / Shallow
Date Analysis Commenced	May 05, 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
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, 23rd ed., 2017, part 9221 B, F	Bangkok
<i>Legionella spp.</i> *	CFU/L	-	-	<1	No Standard	ISO 11731 (2017)	Bangkok
Total Coliform	MPN/100mL	-	-	<1.1	<10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B	Bangkok

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Note : Microbiological Testing Result <1 mean Bacteria not found in agar plate.

Sampling By : Yuttapong Rattana , Thaksin Aintrom

Remark :

- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
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- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Approved by

Suwannee Chuamkeaw
Section Head

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83150

P/O :
Project Name : Rosewood Phuket
Project Location :

Lot ID: 2347750
Date Received : May 11, 2023
Date Reported : May 19, 2023
Report Number : 2635322-1

Page 1 of 4

Sample Number	2347750-1
Sampled Date	May 10, 2023 10:55 AM
Sample Description	Swimming Pool Water Quality
Location	Main Pool (Beach Side) / Shallow
Date Analysis Commenced	May 11, 2023
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, 23rd ed., 2017, part 9221 B, F	Songkhla
Total Coliform	MPN/100mL	-	-	<1.1	<10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B	Songkhla

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Sampling By : Narisa Narumid , Nutricha Sukpaen

Remark :

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

Approved by

Chompoonuch Funtha
Supervisor

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83150
P/O : i23-183709
Project Name : Rosewood Phuket
Project Location :

Lot ID: 2347751
Date Received : May 19, 2023
Date Reported : May 26, 2023
Report Number : 2635323-1

Page 1 of 4

Sample Number	2347751-1						
Sampled Date	May 18, 2023 9:43 AM						
Sample Description	Swimming Pool Water Quality						
Location	Main Pool (Beach Side) / Shallow						
Date Analysis Commenced	May 19, 2023						
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, 23rd ed., 2017, part 9221 B, F	Songkhla
Total Coliform	MPN/100mL	-	-	<1.1	<10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B	Songkhla

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Sampling By : Yuttapong Rattana , Thaksin Aintrom

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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83150
P/O : i23-183711
Project Name : Rosewood Phuket
Project Location :

Lot ID: 2347752
Date Received : May 26, 2023
Date Reported : Jun 02, 2023
Report Number : 2635324-1

Page 1 of 4

Sample Number	2347752-1						
Sampled Date	May 25, 2023 9:50 AM						
Sample Description	Swimming Pool Water Quality						
Location	Main Pool (Beach Side) / Shallow						
Date Analysis Commenced	May 26, 2023						
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, 23rd ed., 2017, part 9221 B, F	Songkhla
Total Coliform	MPN/100mL	-	-	<1.1	<10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B	Songkhla

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Sampling By : Yuttapong Rattana , Thaksin Aintrom

Remark :
- LOD : Limit of Detection
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Approved by

Chompoonuch F.

Chompoonuch Funtha
Supervisor

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83150

P/O :
Project Name : Rosewood Phuket
Project Location:

Lot ID: 2364877
Date Received : Jun 09, 2023
Date Reported : Jun 26, 2023
Report Number : 2696803-1

Page 1 of 1

Sample Number	2364877-9						
Sampled Date	Jun 08, 2023 10:48 AM						
Sample Description	Swimming Pool Water Quality						
Location	Main Pool (Beach Side) / Shallow						
Date Analysis Commenced	Jun 09, 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
Microbiological Testing							
<i>Escherichia coli</i>	in 100 mL	-	-	Detected	Not Detected	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B, F	Songkhla
<i>Legionella spp.</i>	CFU/L	-	-	<1	No Standard	ISO 11731 (2017)	Bangkok
Total Coliform	MPN/100mL	-	-	12.0	<10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B	Songkhla

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Note : Microbiological Testing Result <1 mean Bacteria not found in agar plate.

Sampling By : Yuttapong Rattana , Thaksin Aintrom

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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83150

P/O :
Project Name : Rosewood Phuket
Project Location:

Lot ID: 2364878
Date Received : Jun 15, 2023
Date Reported : Jun 23, 2023
Report Number : 2672789-1

Page 1 of 4

Sample Number	2364878-1						
Sampled Date	Jun 14, 2023 10:10 AM						
Sample Description	Swimming Pool Water Quality						
Location	Main Pool (Beach Side) / Shallow						
Date Analysis Commenced	Jun 15, 2023						
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, 23rd ed., 2017, part 9221 B, F	Songkhla
Total Coliform	MPN/100mL	-	-	<1.1	<10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B	Songkhla

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Sampling By : Narisa Narumid

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 : Emerald Bay Resort Co., Ltd.
88/28, 88/30-33, Muen-Ngern Rd, Tambon Patong, Amphoe Kathu, Phuket Thailand
83150
P/O : i23-187446
Project Name : Rosewood Phuket
Project Location :



TESTING
No.0009

Lot ID: 2364962
Date Received : Jun 24, 2023
Date Reported : Jul 04, 2023
Report Number : 2672792-1

Page 1 of 4

Sample Number	2364962-1
Sampled Date	Jun 23, 2023 2:40 PM
Sample Description	Swimming Pool Water Quality
Location	Main Pool (Beach Side) / Shallow
Date Analysis Commenced	Jun 24, 2023
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, 23rd ed., 2017, part 9221 F	Bangkok
Total Coliform	MPN/100mL	-	-	<1.1	<10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B	Bangkok

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Sampling By : Narisa Narumid

Remark :

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Tuanjai Thangkiang
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Analysis / Test Report

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83150
P/O : i23-187447
Project Name : Rosewood Phuket
Project Location :

Lot ID: 2364963
Date Received : Jun 29, 2023
Date Reported : Jul 05, 2023
Report Number : 2672795-1

Page 1 of 4

Sample Number	2364963-1
Sampled Date	Jun 28, 2023 9:38 AM
Sample Description	Swimming Pool Water Quality
Location	Main Pool (Beach Side) / Shallow
Date Analysis Commenced	Jun 29, 2023
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, 23rd ed., 2017, part 9221 B, F	Songkhla
Total Coliform	MPN/100mL	-	-	<1.1	<10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B	Songkhla

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Sampling By : Yuttapong Rattana , Thaksin Aintrom

Remark :

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Approved by

Chompoonuch Funtha
Supervisor

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83150

P/O :
Project Name : Rosewood Phuket
Project Location :



TESTING
No.0009

Lot ID: 2371070

Date Received : Jul 07, 2023
Date Reported : Jul 24, 2023
Report Number : 2689948-1

Page 1 of 4

Sample Number	2371070-8
Sampled Date	Jul 06, 2023 9:42 AM
Sample Description	Swimming Pool Water Quality
Location	Main Pool (Beach Side) / Shallow
Date Analysis Commenced	Jul 07, 2023
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, 23rd ed., 2017, part 9221 B, F	Bangkok
<i>Legionella spp.</i> *	CFU/L	-	-	<1	No Standard	ISO 11731 (2017)	Bangkok
Total Coliform	MPN/100mL	-	-	<1.1	<10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B	Bangkok

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Note : Microbiological Testing Result <1 mean Bacteria not found in agar plate.

Sampling By : Yuttapong Rattana

Remark :

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Approved by

Suwannee Chuamkeaw
Section Head

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83150

P/O :
Project Name : Rosewood Phuket
Project Location :



TESTING
No.0009

Lot ID: 2371077

Date Received : Jul 13, 2023
Date Reported : Jul 22, 2023
Report Number : 2689952-1

Page 1 of 4

Sample Number	2371077-1
Sampled Date	Jul 12, 2023 10:07 AM
Sample Description	Swimming Pool Water Quality
Location	Main Pool (Beach Side) / Shallow
Date Analysis Commenced	Jul 13, 2023
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, 23rd ed., 2017, part 9221 B, F	Bangkok
Total Coliform	MPN/100mL	-	-	<1.1	<10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B	Bangkok

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Sampling By : Yuttapong Rattana

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Approved by

Sithichok Thongnguen
Scientist (3)

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83150
P/O : i23-191509
Project Name : Rosewood Phuket
Project Location :

Lot ID: 2371078
Date Received : Jul 20, 2023
Date Reported : Jul 31, 2023
Report Number : 2689954-1

Page 1 of 4

Sample Number	2371078-1						
Sampled Date	Jul 19, 2023 9:53 AM						
Sample Description	Swimming Pool Water Quality						
Location	Main Pool (Beach Side) / Shallow						
Date Analysis Commenced	Jul 20, 2023						
Condition of Sample	Swab placed 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, 23rd ed., 2017, part 9221 B, F	Bangkok
Total Coliform	MPN/100mL	-	-	<1.1	<10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B	Bangkok

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Sampling By : Yuttapong Rattana

Remark :
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83150
P/O : i23-191510
Project Name : Rosewood Phuket
Project Location :

Lot ID: 2386372
Date Received : Jul 27, 2023
Date Reported : Aug 08, 2023
Report Number : 2726954-1

Page 1 of 4

Sample Number	2386372-1						
Sampled Date	Jul 26, 2023 10:31 AM						
Sample Description	Swimming Pool Water Quality						
Location	Main Pool (Beach Side) / Shallow						
Date Analysis Commenced	Jul 27, 2023						
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, 23rd ed., 2017, part 9221 F	Bangkok
Total Coliform	MPN/100mL	-	-	<1.1	<10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B	Bangkok

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Sampling By : Yuttapong Rattana

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TESTING
No.0166



Analysis / Test Report

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83150

P/O :
Project Name : Rosewood Phuket
Project Location :



TESTING
No.0009

Lot ID: 2386360

Date Received : Aug 05, 2023
Date Reported : Aug 23, 2023
Report Number : 2754510-1

Page 1 of 1

Sample Number	2386360-8
Sampled Date	Aug 04, 2023 10:21 AM
Sample Description	Swimming Pool Water Quality
Location	Main Pool (Beach Side) / Shallow
Date Analysis Commenced	Aug 05, 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
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, 23rd ed., 2017, part 9221 B, F	Bangkok
<i>Legionella spp.</i> *	CFU/L	-	-	<1	No Standard	ISO 11731 (2017)	Bangkok
Total Coliform	MPN/100mL	-	-	<1.1	<10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B	Bangkok

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Note : Microbiological Testing Result <1 mean Bacteria not found in agar plate.

Sampling By : Yuttapong Rattana

Remark :

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83150

P/O :
Project Name : Rosewood Phuket
Project Location :



TESTING
No.0166

Lot ID: 2386370

Date Received : Aug 10, 2023
Date Reported : Aug 21, 2023
Report Number : 2726950-1

Page 1 of 4

Sample Number	2386370-1
Sampled Date	Aug 09, 2023 9:39 AM
Sample Description	Swimming Pool Water Quality
Location	Main Pool (Beach Side) / Shallow
Date Analysis Commenced	Aug 10, 2023
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, 23rd ed., 2017, part 9221 B, F	Bangkok
Total Coliform	MPN/100mL	-	-	<1.1	<10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B	Bangkok

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Sampling By : Yuttapong Rattana

Remark :

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P/O : i23-195123
Project Name : Rosewood Phuket
Project Location :



TESTING
No.0009

Lot ID: 2386371
Date Received : Aug 18, 2023
Date Reported : Aug 28, 2023
Report Number : 2726952-1

Page 1 of 4

Sample Number	2386371-1
Sampled Date	Aug 17, 2023 9:48 AM
Sample Description	Swimming Pool Water Quality
Location	Main Pool (Beach Side) / Shallow
Date Analysis Commenced	Aug 18, 2023
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, 23rd ed., 2017, part 9221 B, F	Bangkok
Total Coliform	MPN/100mL	-	-	<1.1	<10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B	Bangkok

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Sampling By : Yuttapong Rattana

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P/O : i23-195125
Project Name : Rosewood Phuket
Project Location :



TESTING
No.0009

Lot ID: 2399221
Date Received : Aug 24, 2023
Date Reported : Sep 02, 2023
Report Number : 2755278-1

Page 1 of 4

Sample Number	2399221-1
Sampled Date	Aug 23, 2023 10:20 AM
Sample Description	Swimming Pool Water Quality
Location	Main Pool (Beach Side) / Shallow
Date Analysis Commenced	Aug 24, 2023
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, 23rd ed., 2017, part 9221 F	Bangkok
Total Coliform	MPN/100mL	-	-	<1.1	<10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B	Bangkok

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Sampling By : Thaksin Aintrom

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Sithichok Thongnguen
Scientist (3)

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Analysis / Test Report

Client : Emerald Bay Resort Co., Ltd.
88/28, 88/30-33, Muen-Ngern Rd, Tambon Patong, Amphoe Kathu, Phuket Thailand
83150
P/O : i23-198196
Project Name : Rosewood Phuket
Project Location :



TESTING
No.0009

Lot ID: 2398933

Date Received : Sep 08, 2023
Date Reported : Sep 25, 2023
Report Number : 2786944-1

Page 1 of 1

Sample Number	2398933-9						
Sampled Date	Sep 07, 2023 9:55 AM						
Sample Description	Swimming Pool Water Quality						
Location	Main Pool (Beach Side) / Shallow						
Date Analysis Commenced	Sep 08, 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
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, 23rd ed., 2017, part 9221 F	Bangkok
<i>Legionella spp.</i> *	CFU/L	-	-	<1	No Standard	ISO 11731 (2017)	Bangkok
Total Coliform	MPN/100mL	-	-	<1.1	<10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B	Bangkok

Guideline : คำแนะนำของคณะกรรมการสาธารณสุข ฉบับที่ 1/2550 เรื่อง การควบคุมการประกอบกิจการสระว่ายน้ำ หรือกิจการอื่น ๆ ในทำนองเดียวกัน

Note : Microbiological Testing Result <1 mean Bacteria not found in agar plate.

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

Tuanjai Thangklang
Manager

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Analysis / Test Report

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88/28, 88/30-33, Muen-Ngern Rd, Tambon Patong, Amphoe Kathu, Phuket Thailand
83150
P/O : i23-198197
Project Name : Rosewood Phuket
Project Location :



TESTING
No.0009

Lot ID: 2398949

Date Received : Sep 15, 2023
Date Reported : Sep 25, 2023
Report Number : 2754534-1

Page 1 of 2

Sample Number	2398949-1						
Sampled Date	Sep 14, 2023 9:54 AM						
Sample Description	Swimming Pool Water Quality						
Location	Main Pool (Beach Side) / Shallow						
Date Analysis Commenced	Sep 15, 2023						
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, 23rd ed., 2017, part 9221 F	Bangkok
Total Coliform	MPN/100mL	-	-	<1.1	<10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B	Bangkok

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Sampling By : Yuttapong Rattana

Remark :

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Approved by

Tuanjai Thangklang
Manager

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Analysis / Test Report

Client : Emerald Bay Resort Co., Ltd.

88/28, 88/30-33, Muen-Ngern Rd, Tambon Patong, Amphoe Kathu, Phuket Thailand 83150

P/O : i23-198199

Project Name : Rosewood Phuket

Project Location:



TESTING
No.0009

Lot ID: 2398950

Date Received : Sep 21, 2023

Date Reported : Oct 06, 2023

Report Number : 2754544-1

Page 1 of 4

Sample Number	2398950-1						
Sampled Date	Sep 20, 2023 9:40 AM						
Sample Description	Swimming Pool Water Quality						
Location	Main Pool (Beach Side) / Shallow						
Date Analysis Commenced	Sep 21, 2023						
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, 23rd ed., 2017, part 9221 F	Bangkok
Total Coliform	MPN/100mL	-	-	<1.1	<10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B	Bangkok

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Sampling By : Thaksin Aintrom

Remark :

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Approved by

Sithichok T.

Sithichok Thongnguen
Scientist (3)

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P/O : i23-198200

Project Name : Rosewood Phuket

Project Location:



TESTING
No.0009

Lot ID: 2398951

Date Received : Sep 28, 2023

Date Reported : Oct 06, 2023

Report Number : 2754548-1

Page 1 of 4

Sample Number	2398951-1						
Sampled Date	Sep 27, 2023 10:19 AM						
Sample Description	Swimming Pool Water Quality						
Location	Main Pool (Beach Side) / Shallow						
Date Analysis Commenced	Sep 28, 2023						
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, 23rd ed., 2017, part 9221 F	Bangkok
Total Coliform	MPN/100mL	-	-	<1.1	<10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B	Bangkok

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Sampling By : Thaksin Aintrom

Remark :

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Sithichok T.

Sithichok Thongnguen
Scientist (3)

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P/O :

Project Name : Rosewood Phuket

Project Location:



TESTING
No.0009

Lot ID: 23113254

Date Received : Oct 06, 2023

Date Reported : Oct 25, 2023

Report Number : 2814293-1

Page 1 of 1

Sample Number	23113254-8						
Sampled Date	Oct 05, 2023 10:15 AM						
Sample Description	Swimming Pool Water Quality						
Location	Main Pool (Beach Side) / Shallow						
Date Analysis Commenced	Oct 06, 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
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, 23rd ed., 2017, part 9221 F	Bangkok
<i>Legionella spp. *</i>	CFU/L	-	-	<1	No Standard	ISO 11731 (2017)	Bangkok
Total Coliform	MPN/100mL	-	-	<1.1	<10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B	Bangkok

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Note : Microbiological Testing Result <1 mean Bacteria not found in agar plate.

Sampling By : Thaksin Aintrom

Remark :

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Suwannee Chumkeaw
Section Head

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P/O :

Project Name : Rosewood Phuket

Project Location:



TESTING
No.0009

Lot ID: 23113272

Date Received : Oct 13, 2023

Date Reported : Oct 25, 2023

Report Number : 2789762-1

Page 1 of 4

Sample Number	23113272-1						
Sampled Date	Oct 12, 2023 10:05 AM						
Sample Description	Swimming Pool Water Quality						
Location	Main Pool (Beach Side) / Shallow						
Date Analysis Commenced	Oct 13, 2023						
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, 23rd ed., 2017, part 9221 B, F	Bangkok
Total Coliform	MPN/100mL	-	-	<1.1	<10	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B	Bangkok

Guideline : คำแนะนำของคณะกรรมการสาธารณสุข ฉบับที่ 1/2550 เรื่อง การควบคุมการประกอบกิจการสระว่ายน้ำ หรือกิจการอื่น ๆ ในท่ามกลางเดียวกัน

Sampling By : Thaksin Aintrom

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Sithichok Thongnguen
Scientist (3)

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Analysis / Test Report

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P/O : i23-202176

Project Name : Rosewood Phuket

Project Location:



TESTING
No.0009

Lot ID: 23113273

Date Received : Oct 20, 2023

Date Reported : Oct 30, 2023

Report Number : 2789760-1

Page 1 of 4

Sample Number	23113273-1						
Sampled Date	Oct 19, 2023 9:40 AM						
Sample Description	Swimming Pool Water Quality						
Location	Main Pool (Beach Side) / Shallow						
Date Analysis Commenced	Oct 20, 2023						
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, 23rd ed., 2017, part 9221 B, F	Bangkok
Total Coliform	MPN/100mL	-	-	<1.1	<10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B	Bangkok

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Sampling By : Thaksin Aintrom

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Suwannee Chumkeaw
Section Head

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Analysis / Test Report

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P/O : i23-202183

Project Name : Rosewood Phuket

Project Location:



TESTING
No.0009

Lot ID: 23113274

Date Received : Oct 27, 2023

Date Reported : Nov 05, 2023

Report Number : 2789759-1

Page 1 of 4

Sample Number	23113274-1						
Sampled Date	Oct 26, 2023 9:55 AM						
Sample Description	Swimming Pool Water Quality						
Location	Main Pool (Beach Side) / Shallow						
Date Analysis Commenced	Oct 27, 2023						
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, 23rd ed., 2017, part 9221 B, F	Bangkok
Total Coliform	MPN/100mL	-	-	<1.1	<10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B	Bangkok

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Sampling By : Sakkarin Panpheng

Remark :

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Suwannee Chumkeaw
Section Head

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Analysis / Test Report

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88/28, 88/30-33, Muen-Ngern Rd, Tambon Patong, Amphoe Kathu, Phuket Thailand
83150

P/O :
Project Name : Rosewood Phuket
Project Location :

Lot ID: 23122514
Date Received : Nov 03, 2023
Date Reported : Nov 20, 2023
Report Number : 2840357-1

Page 1 of 2

Sample Number	23122514-8						
Sampled Date	Nov 02, 2023 10:10 AM						
Sample Description	Swimming Pool Water Quality						
Location	Main Pool (Beach Side) / Shallow						
Date Analysis Commenced	Nov 03, 2023						
Condition of Sample	Contained in seven 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, 23rd ed., 2017, 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, 23rd ed., 2017, part 9221 B, E	Songkhla
<i>Legionella spp.</i>	CFU/L	-	-	<1	No Standard	ISO 11731 (2017)	Bangkok
Total Coliform	MPN/100mL	-	-	<1.1	<10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B	Songkhla
Water Testing							
Ammonia Nitrogen	mg/L	-	0.06	<0.06	≤20	Based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-NH3 (B, F)	Bangkok
Calcium Hardness as CaCO3	mg/L	-	1	199	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3500-Ca (B)	Songkhla
Chloride as Cl	mg/L	0.06	0.2	168	≤600	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4110 B	Bangkok
Combined residual chlorine	mg/L	-	0.1	0.60	0.5-1.0	Calculation	Bangkok
Cyanuric acid	mg/L	2	7	220	30-60	Colorimetric Method	Bangkok
Methyl Orange Alkalinity as CaCO3	mg/L	-	1	8	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2320 B	Bangkok

Approved by

Ananta B.

Ananta Boonphet
Scientist (2)

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Analysis / Test Report

Client : Emerald Bay Resort Co., Ltd.
88/28, 88/30-33, Muen-Ngern Rd, Tambon Patong, Amphoe Kathu, Phuket Thailand
83150

P/O :
Project Name : Rosewood Phuket
Project Location :

Lot ID: 23122514
Date Received : Nov 03, 2023
Date Reported : Nov 20, 2023
Report Number : 2840357-1

Page 2 of 2

Sample Number	23122514-8						
Sampled Date	Nov 02, 2023 10:10 AM						
Sample Description	Swimming Pool Water Quality						
Location	Main Pool (Beach Side) / Shallow						
Date Analysis Commenced	Nov 03, 2023						
Condition of Sample	Contained in seven plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)						

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Water Testing							
Nitrate as NO3	mg/L	0.3	1.0	15.6	≤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		-	-	6.5	7.2-8.4	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Songkhla
Residual Chlorine	mg/L	-	0.1	3.3	No Standard	Based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Cl (G)	Bangkok
Residual Free Chlorine	mg/L	-	0.1	2.7	0.6-1.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Cl (F)	Bangkok

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Note : Microbiological Testing Result <1 mean Bacteria not found in agar plate.

Sampling By : Yuttapong Rattana , Sakkarin Panpheng

Remark :

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

Approved by

Ananta B.

Ananta Boonphet
Scientist (2)

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Analysis / Test Report

Client : Emerald Bay Resort Co., Ltd.
88/28, 88/30-33, Muen-Ngern Rd, Tambon Patong, Amphoe Kathu, Phuket Thailand
83150

P/O :
Project Name : Rosewood Phuket
Project Location :

Lot ID: 23122657
Date Received : Nov 10, 2023
Date Reported : Nov 20, 2023
Report Number : 2812722-1

Page 1 of 4

Sample Number	23122657-1						
Sampled Date	Nov 09, 2023 10:50 AM						
Sample Description	Swimming Pool Water Quality						
Location	Main Pool (Beach Side) / Shallow						
Date Analysis Commenced	Nov 10, 2023						
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, 23rd ed., 2017, part 9221 B, F	Songkhla
Total Coliform	MPN/100mL	-	-	<1.1	<10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, 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

Chompoonuch F.

Chompoonuch Funtha
Supervisor

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Analysis / Test Report

Client : Emerald Bay Resort Co., Ltd.
88/28, 88/30-33, Muen-Ngern Rd, Tambon Patong, Amphoe Kathu, Phuket Thailand
83150

P/O : i23-206322
Project Name : Rosewood Phuket
Project Location :

Lot ID: 23122659
Date Received : Nov 17, 2023
Date Reported : Nov 28, 2023
Report Number : 2812725-1

Page 1 of 4

Sample Number	23122659-1						
Sampled Date	Nov 16, 2023 10:10 AM						
Sample Description	Swimming Pool Water Quality						
Location	Main Pool (Beach Side) / Shallow						
Date Analysis Commenced	Nov 17, 2023						
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	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B, F	Songkhla
Total Coliform	MPN/100mL	-	-	<1.1	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B	Songkhla

Guideline :

Sampling By : Thaksin Aintrom

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 : Emerald Bay Resort Co., Ltd.

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P/O : I23-206323

Project Name : Rosewood Phuket

Project Location :



TESTING
No.0166

Lot ID: 23122660

Date Received : Nov 23, 2023

Date Reported : Dec 02, 2023

Report Number : 2812729-1

Page 1 of 4

Sample Number	23122660-1						
Sampled Date	Nov 22, 2023 10:19 AM						
Sample Description	Swimming Pool Water Quality						
Location	Main Pool (Beach Side) / Shallow						
Date Analysis Commenced	Nov 23, 2023						
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, 23rd ed., 2017, part 9221 B, F	Songkhla
Total Coliform	MPN/100mL	-	-	<1.1	<10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, 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)
- 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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P/O :

Project Name : Rosewood Phuket

Project Location :

Lot ID: 23133639

Date Received : Dec 08, 2023

Date Reported : Dec 25, 2023

Report Number : 2866320-1

Page 1 of 1

Sample Number	23133639-9						
Sampled Date	Dec 07, 2023 10:40 AM						
Sample Description	Swimming Pool Water Quality						
Location	Main Pool (Beach Side) / Shallow						
Date Analysis Commenced	Dec 08, 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
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, 23rd ed., 2017, part 9221 B, F	Songkhla
<i>Legionella spp.</i>	CFU/L	-	-	<1	No Standard	ISO 11731 (2017)	Bangkok
Total Coliform	MPN/100mL	-	-	<1.1	<10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B	Songkhla

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Note : Microbiological Testing Result <1 mean Bacteria not found in agar plate.

Sampling By : Thaksin Aintrom

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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83150

P/O :
Project Name : Rosewood Phuket
Project Location :

Lot ID: 23133658
Date Received : Dec 15, 2023
Date Reported : Dec 25, 2023
Report Number : 2837765-1

Page 1 of 4

Sample Number	23133658-1						
Sampled Date	Dec 14, 2023 10:21 AM						
Sample Description	Swimming Pool Water Quality						
Location	Main Pool (Beach Side) / Shallow						
Date Analysis Commenced	Dec 15, 2023						
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, 23rd ed., 2017, part 9221 B, F	Songkhla
Total Coliform	MPN/100mL	-	-	<1.1	<10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, 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

Chompoonuch F.

Chompoonuch Funtha
Supervisor

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83150

P/O : i23-210978
Project Name : Rosewood Phuket
Project Location :

Lot ID: 23133659
Date Received : Dec 22, 2023
Date Reported : Dec 28, 2023
Report Number : 2837760-1

Page 1 of 4

Sample Number	23133659-1						
Sampled Date	Dec 21, 2023 10:08 AM						
Sample Description	Swimming Pool Water Quality						
Location	Main Pool (Beach Side) / Shallow						
Date Analysis Commenced	Dec 22, 2023						
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, 23rd ed., 2017, part 9221 B, F	Songkhla
Total Coliform	MPN/100mL	-	-	<1.1	<10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, 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

Chompoonuch F.

Chompoonuch Funtha
Supervisor

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Analysis / Test Report

Client : Emerald Bay Resort Co., Ltd.
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83150

P/O :
Project Name : Rosewood Phuket
Project Location :

Sample Number 23149224-1
Sampled Date Dec 28, 2023 10:18 AM
Sample Description Swimming Pool Water Quality
Location Main Pool (Beach Side) / Shallow
Date Analysis Commenced Dec 29, 2023
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, 23rd ed., 2017, part 9221 F	Bangkok
Total Coliform	MPN/100mL	-	-	<1.1	<10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B	Bangkok

Guideline : คำแนะนำของคณะกรรมการสาธารณสุข ฉบับที่ 1/2550 เรื่อง การควบคุมการประกอบกิจการสระว่ายน้ำ หรือกิจการอื่น ๆ ในท่านองเดียวกัน

Sampling By : Yuttapong Rattana

Remark :

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

Approved by

Sithichok T.

Sithichok Thongnguen
Scientist (3)

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TESTING
No.0009

Lot ID: 23149224

Date Received : Dec 29, 2023
Date Reported : Jan 10, 2024
Report Number : 2876486-1

Page 1 of 4



Analysis / Test Report

Client : Emerald Bay Resort Co., Ltd.
88/28, 88/30-33, Muen-Ngern Rd, Tambon Patong, Amphoe Kathu, Phuket Thailand
83150

P/O :
Project Name : Rosewood Phuket
Project Location :

Sample Number 231353-10
Sampled Date Jan 05, 2023 10:39 AM
Sample Description Swimming Pool Water Quality
Location Main Pool (Beach Side) / Deep
Date Analysis Commenced Jan 06, 2023
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, 23rd ed., 2017, part 9221 B, F	Songkhla
Total Coliform	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	Songkhla

Guideline : Water quality standards of the Metropolitan Waterworks Authority

(1) : Inorganic Mercury

Sampling By :

Remark :

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

Approved by

Chompoonuch F.

Chompoonuch Funtaha
Scientist (4)

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88/28, 88/30-33, Muen-Ngern Rd, Tambon Patong, Amphoe Kathu, Phuket Thailand
83150

P/O :

Project Name : Rosewood Phuket

Project Location :

Lot ID: 231422

Date Received : Jan 13, 2023

Date Reported : Jan 23, 2023

Report Number : 2535206-1

Page 3 of 4

Sample Number	231422-3						
Sampled Date	Jan 12, 2023 9:31 AM						
Sample Description	Swimming Pool Water Quality						
Location	Main Pool (Beach Side) / Deep						
Date Analysis Commenced	Jan 13, 2023						
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, 23rd ed., 2017, part 9221 B, F	Songkhla
Total Coliform	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	Songkhla

Guideline : Water quality standards of the Metropolitan Waterworks Authority

(1) : Inorganic Mercury

Sampling By :

Remark :

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

Approved by

Chompoonuch F.

Chompoonuch Funttha
Scientist (4)

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Analysis / Test Report

Client : Emerald Bay Resort Co., Ltd.

88/28, 88/30-33, Muen-Ngern Rd, Tambon Patong, Amphoe Kathu, Phuket Thailand
83150

P/O : i23-169067

Project Name : Rosewood Phuket

Project Location :

Lot ID: 231431

Date Received : Jan 20, 2023

Date Reported : Jan 30, 2023

Report Number : 2535207-1

Page 3 of 4

Sample Number	231431-3						
Sampled Date	Jan 19, 2023 10:21 AM						
Sample Description	Swimming Pool Water Quality						
Location	Main Pool (Beach Side) / Deep						
Date Analysis Commenced	Jan 20, 2023						
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, 23rd ed., 2017, part 9221 B, F	Songkhla
Total Coliform	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	Songkhla

Guideline : Water quality standards of the Metropolitan Waterworks Authority

(1) : Inorganic Mercury

Sampling By : Yuttapong Rattana , Thaksin Aintrom

Remark :

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

Approved by

Chompoonuch F.

Chompoonuch Funttha
Scientist (4)

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Analysis / Test Report

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83150

P/O : i23-173142

Project Name : Rosewood Phuket

Project Location :

Lot ID: 237928

Date Received : Feb 17, 2023

Date Reported : Feb 27, 2023

Report Number : 2549089-1

Page 3 of 4

Sample Number	237928-3						
Sampled Date	Feb 16, 2023 9:50 AM						
Sample Description	Swimming Pool Water Quality						
Location	Main Pool (Beach Side) / Deep						
Date Analysis Commenced	Feb 17, 2023						
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, 23rd ed., 2017, part 9221 B, F	Songkhla
Total Coliform	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	Songkhla

Guideline : Water quality standards of the Metropolitan Waterworks Authority

(1) : Inorganic Mercury

Sampling By : Yuttapong Rattana , Thaksin Aintrom

Remark :

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

Approved by

Chompoonuch F.

Chompoonuch Funttha
Scientist (4)

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Analysis / Test Report

Client : Emerald Bay Resort Co., Ltd.

88/28, 88/30-33, Muen-Ngern Rd, Tambon Patong, Amphoe Kathu, Phuket Thailand
83150

P/O : i23-173143

Project Name : Rosewood Phuket

Project Location :

Lot ID: 237929

Date Received : Feb 23, 2023

Date Reported : Mar 04, 2023

Report Number : 2549090-1

Page 3 of 4

Sample Number	237929-3						
Sampled Date	Feb 22, 2023 11:37 AM						
Sample Description	Swimming Pool Water Quality						
Location	Main Pool (Beach Side) / Deep						
Date Analysis Commenced	Feb 23, 2023						
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, 23rd ed., 2017, part 9221 B	Bangkok
Total Coliform	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	Bangkok

Guideline : Water quality standards of the Metropolitan Waterworks Authority

(1) : Inorganic Mercury

Sampling By : Yuttapong Rattana

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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Analysis / Test Report

Client : Emerald Bay Resort Co., Ltd.
88/28, 88/30-33, Muen-Ngern Rd, Tambon Patong, Amphoe Kathu, Phuket Thailand
83150

P/O :
Project Name : Rosewood Phuket
Project Location :



TESTING
No.0009

Lot ID: 2321986
Date Received : Mar 03, 2023
Date Reported : Mar 24, 2023
Report Number : 2603499-1

Page 1 of 1

Sample Number	2321986-11						
Sampled Date	Mar 02, 2023 1:12 PM						
Sample Description	Swimming Pool Water Quality						
Location	Main Pool (Beach Side) / Deep						
Date Analysis Commenced	Mar 03, 2023						
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, 23rd ed., 2017, part 9221 B, F	Bangkok
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	Bangkok

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Note : This Analysis test report is reissued to supersede report No.2578950-1, Date Reported : Mar 21, 2023 due to revise guideline/specification

Sampling By : Yuttapong Rattana , Thaksin Aintrom

Remark :

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Approved by

Tuanjai Thangkiang
Manager

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Analysis / Test Report

Client : Emerald Bay Resort Co., Ltd.
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83150

P/O :
Project Name : Rosewood Phuket
Project Location :

Lot ID: 2321990
Date Received : Mar 17, 2023
Date Reported : Mar 24, 2023
Report Number : 2578952-1

Page 3 of 4

Sample Number	2321990-3						
Sampled Date	Mar 16, 2023 9:22 AM						
Sample Description	Swimming Pool Water Quality						
Location	Main Pool (Beach Side) / Deep						
Date Analysis Commenced	Mar 17, 2023						
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, 23rd ed., 2017, part 9221 B, F	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

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Sampling By : Yuttapong Rattana , Thaksin Aintrom

Remark :

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

Approved by

Chompoonuch Funtha
Scientist (4)

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Analysis / Test Report

Client : Emerald Bay Resort Co., Ltd.
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83150
P/O : i23-176617
Project Name : Rosewood Phuket
Project Location :

Lot ID: 2321991
Date Received : Mar 23, 2023
Date Reported : Mar 30, 2023
Report Number : 2578953-1

Page 3 of 4

Sample Number	2321991-3						
Sampled Date	Mar 22, 2023 9:55 AM						
Sample Description	Swimming Pool Water Quality						
Location	Main Pool (Beach Side) / Deep						
Date Analysis Commenced	Mar 23, 2023						
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, 23rd ed., 2017, part 9221 B, F	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

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Sampling By : Yuttapong Rattana , Thaksin Aintrom

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

Approved by

Chompoonuch F.

Chompoonuch Funtha
Scientist (4)

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83150
P/O :
Project Name : Rosewood Phuket
Project Location :

Lot ID: 2330491
Date Received : Apr 07, 2023
Date Reported : Apr 26, 2023
Report Number : 2632809-1

Page 1 of 1

Sample Number	2330491-10						
Sampled Date	Apr 06, 2023 9:26 AM						
Sample Description	Swimming Pool Water Quality						
Location	Main Pool (Beach Side) / Deep						
Date Analysis Commenced	Apr 07, 2023						
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, 23rd ed., 2017, part 9221 B, F	Songkhla
Total Coliform	MPN/100mL	-	-	<1.1	<10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B	Songkhla

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Sampling By : Yuttapong Rattana , Thaksin Aintrom

Remark :
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Approved by

Chompoonuch F.

Chompoonuch Funtha
Supervisor

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83150

P/O :
Project Name : Rosewood Phuket
Project Location :



TESTING
No.0009

Lot ID: 2330494

Date Received : Apr 12, 2023
Date Reported : Apr 24, 2023
Report Number : 2597784-1

Page 3 of 4

Sample Number	2330494-3
Sampled Date	Apr 11, 2023 12:15 PM
Sample Description	Swimming Pool Water Quality
Location	Main Pool (Beach Side) / Deep
Date Analysis Commenced	Apr 12, 2023
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, 23rd ed., 2017, part 9221 B, F	Bangkok
Total Coliform	MPN/100mL	-	-	<1.1	<10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B	Bangkok

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Sampling By : Narisa Narumid

Remark :

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Approved by

Suwannee Chuamkeaw
Section Head

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Analysis / Test Report

Client : Emerald Bay Resort Co., Ltd.
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83150

P/O : i23-180756
Project Name : Rosewood Phuket
Project Location :

Lot ID: 2330495

Date Received : Apr 19, 2023
Date Reported : Apr 28, 2023
Report Number : 2597785-1

Page 3 of 4

Sample Number	2330495-3
Sampled Date	Apr 18, 2023 10:16 AM
Sample Description	Swimming Pool Water Quality
Location	Main Pool (Beach Side) / Deep
Date Analysis Commenced	Apr 19, 2023
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	-	-	Detected	Not Detected	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B, F	Songkhla
Total Coliform	MPN/100mL	-	-	>23	<10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B	Songkhla

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Sampling By : Yuttapong Rattana , Thaksin Aintrom

Remark :

- LOD : Limit of Detection
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Approved by

Chompoonuch Funtha
Supervisor

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83150
P/O : i23-180757
Project Name : Rosewood Phuket
Project Location :

Lot ID: 2330496
Date Received : Apr 27, 2023
Date Reported : May 08, 2023
Report Number : 2597787-1

Page 3 of 4

Sample Number	2330496-3						
Sampled Date	Apr 26, 2023 9:02 AM						
Sample Description	Swimming Pool Water Quality						
Location	Main Pool (Beach Side) / Deep						
Date Analysis Commenced	Apr 27, 2023						
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	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B, F	Songkhla
Total Coliform	MPN/100mL	-	-	<1.1	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B	Songkhla

Guideline :

Sampling By : Narisa Narumid

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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83150
P/O :
Project Name : Rosewood Phuket
Project Location :

Sample Number	2347744-10						
Sampled Date	May 04, 2023 1:11 PM						
Sample Description	Swimming Pool Water Quality						
Location	Main Pool (Beach Side) / Deep						
Date Analysis Commenced	May 05, 2023						
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, 23rd ed., 2017, part 9221 B, F	Bangkok
Total Coliform	MPN/100mL	-	-	<1.1	<10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B	Bangkok

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Sampling By : Yuttapong Rattana , Thaksin Aintrom

Remark :

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Approved by

Suwannee Chumkeaw

Suwannee Chumkeaw
Section Head

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TESTING
No.0009

Lot ID: 2347744
Date Received : May 05, 2023
Date Reported : May 22, 2023
Report Number : 2635309-1



Analysis / Test Report

Client : Emerald Bay Resort Co., Ltd.
88/28, 88/30-33, Muen-Ngern Rd, Tambon Patong, Amphoe Kathu, Phuket Thailand
83150

P/O :
Project Name : Rosewood Phuket
Project Location:

Lot ID: 2347750
Date Received : May 11, 2023
Date Reported : May 19, 2023
Report Number : 2635322-1

Page 3 of 4

Sample Number	2347750-3						
Sampled Date	May 10, 2023 10:56 AM						
Sample Description	Swimming Pool Water Quality						
Location	Main Pool (Beach Side) / Deep						
Date Analysis Commenced	May 11, 2023						
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, 23rd ed., 2017, part 9221 B, F	Songkhla
Total Coliform	MPN/100mL	-	-	<1.1	<10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B	Songkhla

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Sampling By : Narisa Narumid , Nutnicha Sukpaen

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 : Emerald Bay Resort Co., Ltd.
88/28, 88/30-33, Muen-Ngern Rd, Tambon Patong, Amphoe Kathu, Phuket Thailand
83150

P/O : i23-183709
Project Name : Rosewood Phuket
Project Location:

Lot ID: 2347751
Date Received : May 19, 2023
Date Reported : May 26, 2023
Report Number : 2635323-1

Page 3 of 4

Sample Number	2347751-3						
Sampled Date	May 18, 2023 9:44 AM						
Sample Description	Swimming Pool Water Quality						
Location	Main Pool (Beach Side) / Deep						
Date Analysis Commenced	May 19, 2023						
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, 23rd ed., 2017, part 9221 B, F	Songkhla
Total Coliform	MPN/100mL	-	-	<1.1	<10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B	Songkhla

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Sampling By : Yuttapong Rattana , Thaksin Aintrom

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 : Emerald Bay Resort Co., Ltd.
88/28, 88/30-33, Muen-Ngern Rd, Tambon Patong, Amphoe Kathu, Phuket Thailand
83150
P/O : i23-183711
Project Name : Rosewood Phuket
Project Location :

Lot ID: 2347752
Date Received : May 26, 2023
Date Reported : Jun 02, 2023
Report Number : 2635324-1

Page 3 of 4

Sample Number	2347752-3						
Sampled Date	May 25, 2023 9:51 AM						
Sample Description	Swimming Pool Water Quality						
Location	Main Pool (Beach Side) / Deep						
Date Analysis Commenced	May 26, 2023						
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, 23rd ed., 2017, part 9221 B, F	Songkhla
Total Coliform	MPN/100mL	-	-	<1.1	<10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B	Songkhla

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Sampling By : Yuttapong Rattana , Thaksin Aintrom

Remark :
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Approved by

Chompoonuch F.

Chompoonuch Funtha
Supervisor

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Analysis / Test Report

Client : Emerald Bay Resort Co., Ltd.
88/28, 88/30-33, Muen-Ngern Rd, Tambon Patong, Amphoe Kathu, Phuket Thailand
83150
P/O :
Project Name : Rosewood Phuket
Project Location :

Lot ID: 2364877
Date Received : Jun 09, 2023
Date Reported : Jun 26, 2023
Report Number : 2696805-1

Page 1 of 1

Sample Number	2364877-11						
Sampled Date	Jun 08, 2023 10:49 AM						
Sample Description	Swimming Pool Water Quality						
Location	Main Pool (Beach Side) / Deep						
Date Analysis Commenced	Jun 09, 2023						
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, 23rd ed., 2017, part 9221 B, F	Songkhla
Total Coliform	MPN/100mL	-	-	<1.1	<10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B	Songkhla

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Sampling By : Yuttapong Rattana , Thaksin Aintrom

Remark :
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Approved by

Chompoonuch F.

Chompoonuch Funtha
Supervisor

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Analysis / Test Report

Client : Emerald Bay Resort Co., Ltd.
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83150

P/O :
Project Name : Rosewood Phuket
Project Location :

Lot ID: 2364878

Date Received : Jun 15, 2023
Date Reported : Jun 23, 2023
Report Number : 2672789-1

Page 3 of 4

Sample Number	2364878-3						
Sampled Date	Jun 14, 2023 10:05 AM						
Sample Description	Swimming Pool Water Quality						
Location	Main Pool (Beach Side) / Deep						
Date Analysis Commenced	Jun 15, 2023						
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, 23rd ed., 2017, part 9221 B, F	Songkhla
Total Coliform	MPN/100mL	-	-	9.2	<10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B	Songkhla

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Sampling By : Narisa Narumid

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 : Emerald Bay Resort Co., Ltd.
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83150

P/O : i23-187446
Project Name : Rosewood Phuket
Project Location :

TESTING
No.0009

Lot ID: 2364962

Date Received : Jun 24, 2023
Date Reported : Jul 04, 2023
Report Number : 2672792-1

Page 3 of 4

Sample Number	2364962-3						
Sampled Date	Jun 23, 2023 2:34 PM						
Sample Description	Swimming Pool Water Quality						
Location	Main Pool (Beach Side) / Deep						
Date Analysis Commenced	Jun 24, 2023						
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, 23rd ed., 2017, part 9221 F	Bangkok
Total Coliform	MPN/100mL	-	-	<1.1	<10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B	Bangkok

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Sampling By : Narisa Narumid

Remark :

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Approved by

Tuanjai Thangklang

Tuanjai Thangklang
Manager

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Analysis / Test Report

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83150
P/O : i23-187447
Project Name : Rosewood Phuket
Project Location :

Lot ID: 2364963
Date Received : Jun 29, 2023
Date Reported : Jul 05, 2023
Report Number : 2672795-1

Page 3 of 4

Sample Number	2364963-3						
Sampled Date	Jun 28, 2023 9:39 AM						
Sample Description	Swimming Pool Water Quality						
Location	Main Pool (Beach Side) / Deep						
Date Analysis Commenced	Jun 29, 2023						
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, 23rd ed., 2017, part 9221 B, F	Songkhla
Total Coliform	MPN/100mL	-	-	<1.1	<10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B	Songkhla

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Sampling By : Yuttapong Rattana , Thaksin Aintrom

Remark :
- LOD : Limit of Detection
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Approved by

Chompoonuch F.

Chompoonuch Funtha
Supervisor

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Analysis / Test Report

Client : Emerald Bay Resort Co., Ltd.
88/28, 88/30-33, Muen-Ngern Rd, Tambon Patong, Amphoe Kathu, Phuket Thailand
83150
P/O :
Project Name : Rosewood Phuket
Project Location :

TESTING
No.0009
Lot ID: 2371070
Date Received : Jul 07, 2023
Date Reported : Jul 24, 2023
Report Number : 2689948-1

Page 3 of 4

Sample Number	2371070-10						
Sampled Date	Jul 06, 2023 9:44 AM						
Sample Description	Swimming Pool Water Quality						
Location	Main Pool (Beach Side) / Deep						
Date Analysis Commenced	Jul 07, 2023						
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, 23rd ed., 2017, part 9221 B, F	Bangkok
Total Coliform	MPN/100mL	-	-	<1.1	<10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B	Bangkok

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Sampling By : Yuttapong Rattana

Remark :
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Approved by

Suwannee Chuamkeaw

Suwannee Chuamkeaw
Section Head

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88/28, 88/30-33, Muen-Ngern Rd, Tambon Patong, Amphoe Kathu, Phuket Thailand
83150

P/O :
Project Name : Rosewood Phuket
Project Location :



TESTING
No.0009

Lot ID: 2371077
Date Received : Jul 13, 2023
Date Reported : Jul 22, 2023
Report Number : 2689952-1

Page 3 of 4

Sample Number	2371077-3
Sampled Date	Jul 12, 2023 10:10 AM
Sample Description	Swimming Pool Water Quality
Location	Main Pool (Beach Side) / Deep
Date Analysis Commenced	Jul 13, 2023
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, 23rd ed., 2017, part 9221 B, F	Bangkok
Total Coliform	MPN/100mL	-	-	<1.1	<10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B	Bangkok

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Sampling By : Yuttapong Rattana

Remark :

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Approved by

Sithichok T.

Sithichok Thongnuean
Scientist (3)

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Analysis / Test Report

Client : Emerald Bay Resort Co., Ltd.
88/28, 88/30-33, Muen-Ngern Rd, Tambon Patong, Amphoe Kathu, Phuket Thailand
83150

P/O : i23-191509
Project Name : Rosewood Phuket
Project Location :

Lot ID: 2371078
Date Received : Jul 20, 2023
Date Reported : Jul 31, 2023
Report Number : 2689954-1

Page 3 of 4

Sample Number	2371078-3
Sampled Date	Jul 19, 2023 9:55 AM
Sample Description	Swimming Pool Water Quality
Location	Main Pool (Beach Side) / Deep
Date Analysis Commenced	Jul 20, 2023
Condition of Sample	Swab placed 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, 23rd ed., 2017, part 9221 B, F	Bangkok
Total Coliform	MPN/100mL	-	-	<1.1	<10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B	Bangkok

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Sampling By : Yuttapong Rattana

Remark :

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Approved by

Suwannee Chumkeaw

Suwannee Chumkeaw
Section Head

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Analysis / Test Report

Client : Emerald Bay Resort Co., Ltd.
88/28, 88/30-33, Muen-Ngern Rd, Tambon Patong, Amphoe Kathu, Phuket Thailand 83150
P/O : i23-191510
Project Name : Rosewood Phuket
Project Location :



TESTING
No.0166

Lot ID: 2386372
Date Received : Jul 27, 2023
Date Reported : Aug 08, 2023
Report Number : 2726954-1

Page 3 of 4

Sample Number	2386372-3						
Sampled Date	Jul 26, 2023 10:32 AM						
Sample Description	Swimming Pool Water Quality						
Location	Main Pool (Beach Side) / Deep						
Date Analysis Commenced	Jul 27, 2023						
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, 23rd ed., 2017, part 9221 F	Bangkok
Total Coliform	MPN/100mL	-	-	<1.1	<10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B	Bangkok

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Sampling By : Yuttapong Rattana

Remark :

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Approved by

Tuanjai Thangkiang
Manager

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Client : Emerald Bay Resort Co., Ltd.
88/28, 88/30-33, Muen-Ngern Rd, Tambon Patong, Amphoe Kathu, Phuket Thailand 83150
P/O :
Project Name : Rosewood Phuket
Project Location :



TESTING
No.0009

Lot ID: 2386360
Date Received : Aug 05, 2023
Date Reported : Aug 23, 2023
Report Number : 2754512-1

Page 1 of 1

Sample Number	2386360-10						
Sampled Date	Aug 04, 2023 10:23 AM						
Sample Description	Swimming Pool Water Quality						
Location	Main Pool (Beach Side) / Deep						
Date Analysis Commenced	Aug 05, 2023						
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, 23rd ed., 2017, part 9221 B, F	Bangkok
Total Coliform	MPN/100mL	-	-	<1.1	<10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B	Bangkok

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Sampling By : Yuttapong Rattana

Remark :

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Approved by

Suwannee Chuamkeaw
Section Head

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83150

P/O :
Project Name : Rosewood Phuket
Project Location:



TESTING
No.0166

Lot ID: 2386370

Date Received : Aug 10, 2023
Date Reported : Aug 21, 2023
Report Number : 2726950-1

Page 3 of 4

Sample Number	2386370-3						
Sampled Date	Aug 09, 2023 9:40 AM						
Sample Description	Swimming Pool Water Quality						
Location	Main Pool (Beach Side) / Deep						
Date Analysis Commenced	Aug 10, 2023						
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, 23rd ed., 2017, part 9221 B, F	Bangkok
Total Coliform	MPN/100mL	-	-	5.1	<10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B	Bangkok

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Sampling By : Yuttapong Rattana

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Client : Emerald Bay Resort Co., Ltd.
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83150

P/O : i23-195123
Project Name : Rosewood Phuket
Project Location:



TESTING
No.0009

Lot ID: 2386371

Date Received : Aug 18, 2023
Date Reported : Aug 28, 2023
Report Number : 2726952-1

Page 3 of 4

Sample Number	2386371-3						
Sampled Date	Aug 17, 2023 9:49 AM						
Sample Description	Swimming Pool Water Quality						
Location	Main Pool (Beach Side) / Deep						
Date Analysis Commenced	Aug 18, 2023						
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, 23rd ed., 2017, part 9221 B, F	Bangkok
Total Coliform	MPN/100mL	-	-	<1.1	<10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B	Bangkok

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Sampling By : Yuttapong Rattana

Remark :

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P/O : i23-195125
Project Name : Rosewood Phuket
Project Location :



TESTING
No.0009

Lot ID: 2399221
Date Received : Aug 24, 2023
Date Reported : Sep 02, 2023
Report Number : 2755278-1

Page 3 of 4

Sample Number	2399221-3						
Sampled Date	Aug 23, 2023 10:22 AM						
Sample Description	Swimming Pool Water Quality						
Location	Main Pool (Beach Side) / Deep						
Date Analysis Commenced	Aug 24, 2023						
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, 23rd ed., 2017, part 9221 F	Bangkok
Total Coliform	MPN/100mL	-	-	<1.1	<10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B	Bangkok

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Sampling By : Thaksin Aintrom

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Approved by

Sithichok T.

Sithichok Thongnguen
Scientist (3)

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P/O : i23-198196
Project Name : Rosewood Phuket
Project Location :



TESTING
No.0009

Lot ID: 2398933
Date Received : Sep 08, 2023
Date Reported : Sep 25, 2023
Report Number : 2786946-1

Page 1 of 1

Sample Number	2398933-11						
Sampled Date	Sep 07, 2023 10:00 AM						
Sample Description	Swimming Pool Water Quality						
Location	Main Pool (Beach Side) / Deep						
Date Analysis Commenced	Sep 08, 2023						
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, 23rd ed., 2017, part 9221 F	Bangkok
Total Coliform	MPN/100mL	-	-	<1.1	<10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B	Bangkok

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Sampling By : Yuttapong Rattana , Thaksin Aintrom

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Tuanjai Thangklang

Tuanjai Thangklang
Manager

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83150
P/O : i23-198197
Project Name : Rosewood Phuket
Project Location :



TESTING
No.0009

Lot ID: 2398949

Date Received : Sep 15, 2023
Date Reported : Sep 25, 2023
Report Number : 2754534-1

Page 2 of 2

Sample Number	2398949-3
Sampled Date	Sep 14, 2023 9:56 AM
Sample Description	Swimming Pool Water Quality
Location	Main Pool (Beach Side) / Deep
Date Analysis Commenced	Sep 15, 2023
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, 23rd ed., 2017, part 9221 F	Bangkok
Total Coliform	MPN/100mL	-	-	<1.1	<10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B	Bangkok

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Sampling By : Yuttapong Rattana

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83150
P/O : i23-198199
Project Name : Rosewood Phuket
Project Location :



TESTING
No.0009

Lot ID: 2398950

Date Received : Sep 21, 2023
Date Reported : Oct 06, 2023
Report Number : 2754544-1

Page 3 of 4

Sample Number	2398950-3
Sampled Date	Sep 20, 2023 9:42 AM
Sample Description	Swimming Pool Water Quality
Location	Main Pool (Beach Side) / Deep
Date Analysis Commenced	Sep 21, 2023
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, 23rd ed., 2017, part 9221 F	Bangkok
Total Coliform	MPN/100mL	-	-	<1.1	<10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B	Bangkok

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Sampling By : Thaksin Aintrom

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Sithichok Thongnguen
Scientist (3)

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P/O : i23-198200

Project Name : Rosewood Phuket

Project Location:



TESTING
No.0009

Lot ID: 2398951

Date Received : Sep 28, 2023

Date Reported : Oct 06, 2023

Report Number : 2754548-1

Page 3 of 4

Sample Number	2398951-3						
Sampled Date	Sep 27, 2023 10:20 AM						
Sample Description	Swimming Pool Water Quality						
Location	Main Pool (Beach Side) / Deep						
Date Analysis Commenced	Sep 28, 2023						
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, 23rd ed., 2017, part 9221 F	Bangkok
Total Coliform	MPN/100mL	-	-	<1.1	<10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B	Bangkok

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Sampling By : Thaksin Aintrom

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P/O :

Project Name : Rosewood Phuket

Project Location:

Sample Number	23113254-10						
Sampled Date	Oct 05, 2023 10:18 AM						
Sample Description	Swimming Pool Water Quality						
Location	Main Pool (Beach Side) / Deep						
Date Analysis Commenced	Oct 06, 2023						
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, 23rd ed., 2017, part 9221 F	Bangkok
Total Coliform	MPN/100mL	-	-	<1.1	<10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B	Bangkok

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Sampling By : Thaksin Aintrom

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TESTING
No.0009

Lot ID: 23113254

Date Received : Oct 06, 2023

Date Reported : Oct 25, 2023

Report Number : 2814295-1

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Sithichok T.

Sithichok Thongnguen
Scientist (3)

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Suwannee Chuamkeaw

Suwannee Chuamkeaw
Section Head

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P/O :

Project Name : Rosewood Phuket

Project Location:



TESTING
No.0009

Lot ID: 23113272

Date Received : Oct 13, 2023

Date Reported : Oct 25, 2023

Report Number : 2789762-1

Page 3 of 4

Sample Number	23113272-3						
Sampled Date	Oct 12, 2023 10:07 AM						
Sample Description	Swimming Pool Water Quality						
Location	Main Pool (Beach Side) / Deep						
Date Analysis Commenced	Oct 13, 2023						
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, 23rd ed., 2017, part 9221 B, F	Bangkok
Total Coliform	MPN/100mL	-	-	<1.1	<10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B	Bangkok

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Sampling By : Thaksin Aintrom

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Approved by

Sithichok T.

Sithichok Thongnguen
Scientist (3)

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Analysis / Test Report

Client : Emerald Bay Resort Co., Ltd.

88/28, 88/30-33, Muen-Ngern Rd, Tambon Patong, Amphoe Kathu, Phuket Thailand 83150

P/O : i23-202176

Project Name : Rosewood Phuket

Project Location:



TESTING
No.0009

Lot ID: 23113273

Date Received : Oct 20, 2023

Date Reported : Oct 30, 2023

Report Number : 2789760-1

Page 3 of 4

Sample Number	23113273-3						
Sampled Date	Oct 19, 2023 9:43 AM						
Sample Description	Swimming Pool Water Quality						
Location	Main Pool (Beach Side) / Deep						
Date Analysis Commenced	Oct 20, 2023						
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, 23rd ed., 2017, part 9221 B, F	Bangkok
Total Coliform	MPN/100mL	-	-	<1.1	<10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B	Bangkok

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Sampling By : Thaksin Aintrom

Remark :

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Approved by

Suwannee

Suwannee Chumkeaw
Section Head

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Analysis / Test Report

Client : Emerald Bay Resort Co., Ltd.

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P/O : I23-202183

Project Name : Rosewood Phuket

Project Location:



TESTING

No.0009

Lot ID: 23113274

Date Received : Oct 27, 2023

Date Reported : Nov 05, 2023

Report Number : 2789759-1

Page 3 of 4

Sample Number	23113274-3						
Sampled Date	Oct 26, 2023 9:50 AM						
Sample Description	Swimming Pool Water Quality						
Location	Main Pool (Beach Side) / Deep						
Date Analysis Commenced	Oct 27, 2023						
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, 23rd ed., 2017, part 9221 B, F	Bangkok
Total Coliform	MPN/100mL	-	-	<1.1	<10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B	Bangkok

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Sampling By : Sakkarin Panpheng

Remark :

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Suwannee Chumkeaw
Section Head

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Analysis / Test Report

Client : Emerald Bay Resort Co., Ltd.

88/28, 88/30-33, Muen-Ngern Rd, Tambon Patong, Amphoe Kathu, Phuket Thailand 83150

P/O :

Project Name : Rosewood Phuket

Project Location:

Lot ID: 23122514

Date Received : Nov 03, 2023

Date Reported : Nov 20, 2023

Report Number : 2840359-1

Page 1 of 2

Sample Number	23122514-10						
Sampled Date	Nov 02, 2023 10:15 AM						
Sample Description	Swimming Pool Water Quality						
Location	Main Pool (Beach Side) / Deep						
Date Analysis Commenced	Nov 03, 2023						
Condition of Sample	Contained in 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							
<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
Fecal Coliform	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, E	Songkhla
Total Coliform	MPN/100mL	-	-	<1.1	<10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B	Songkhla
Water Testing							
Ammonia Nitrogen	mg/L	-	0.06	<0.06	≤20	Based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-NH3 (B, F)	Bangkok
Calcium Hardness as CaCO3	mg/L	-	1	200	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 3500-Ca (B)	Songkhla
Chloride as Cl	mg/L	0.06	0.2	168	≤600	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4110 B	Bangkok
Combined residual chlorine	mg/L	-	0.1	0.60	0.5-1.0	Calculation	Bangkok
Cyanuric acid	mg/L	2	7	100	30-60	Colorimetric Method	Bangkok
Methyl Orange Alkalinity as CaCO3	mg/L	-	1	8	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 2320 B	Bangkok
Nitrate as NO3	mg/L	0.3	1.0	15.7	≤50	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4110 B	Bangkok

Approved by

Ananta Boonphet
Scientist (2)

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Analysis / Test Report

Client : Emerald Bay Resort Co., Ltd.
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83150

P/O :
Project Name : Rosewood Phuket
Project Location :

Lot ID: 23122514

Date Received : Nov 03, 2023
Date Reported : Nov 20, 2023
Report Number : 2840359-1

Page 2 of 2

Sample Number	23122514-10						
Sampled Date	Nov 02, 2023 10:15 AM						
Sample Description	Swimming Pool Water Quality						
Location	Main Pool (Beach Side) / Deep						
Date Analysis Commenced	Nov 03, 2023						
Condition of Sample	Contained in 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							
pH at 25 degree C		-	-	6.6	7.2-8.4	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500 - H (B)	Songkhla
Residual Chlorine	mg/L	-	0.1	3.3	No Standard	Based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Cl (G)	Bangkok
Residual Free Chlorine	mg/L	-	0.1	2.7	0.6-1.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4500-Cl (F)	Bangkok

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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

Ananta B.

Ananta Boonphet
Scientist (2)

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83150

P/O :
Project Name : Rosewood Phuket
Project Location :

Lot ID: 23122657

Date Received : Nov 10, 2023
Date Reported : Nov 20, 2023
Report Number : 2812722-1

Page 3 of 4

Sample Number	23122657-3						
Sampled Date	Nov 09, 2023 10:55 AM						
Sample Description	Swimming Pool Water Quality						
Location	Main Pool (Beach Side) / Deep						
Date Analysis Commenced	Nov 10, 2023						
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, 23rd ed., 2017, part 9221 B, F	Songkhla
Total Coliform	MPN/100mL	-	-	<1.1	<10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B	Songkhla

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Sampling By : Yuttapong Rattana , Sakkarin Panpheng

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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Client : Emerald Bay Resort Co., Ltd.

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83150

P/O : i23-206322

Project Name : Rosewood Phuket

Project Location:

Lot ID: 23122659

Date Received : Nov 17, 2023

Date Reported : Nov 28, 2023

Report Number : 2812725-1

Page 3 of 4

Sample Number	23122659-3						
Sampled Date	Nov 16, 2023 10:12 AM						
Sample Description	Swimming Pool Water Quality						
Location	Main Pool (Beach Side) / Deep						
Date Analysis Commenced	Nov 17, 2023						
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	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B, F	Songkhla
Total Coliform	MPN/100mL	-	-	<1.1	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B	Songkhla

Guideline :

Sampling By : Thaksin Aintrom

Remark :

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Chompoonuch F.

Chompoonuch Funtha
Supervisor

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Analysis / Test Report

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83150

P/O : i23-206323

Project Name : Rosewood Phuket

Project Location:



TESTING
No.0166

Lot ID: 23122660

Date Received : Nov 23, 2023

Date Reported : Dec 02, 2023

Report Number : 2812729-1

Page 3 of 4

Sample Number	23122660-3						
Sampled Date	Nov 22, 2023 10:24 AM						
Sample Description	Swimming Pool Water Quality						
Location	Main Pool (Beach Side) / Deep						
Date Analysis Commenced	Nov 23, 2023						
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, 23rd ed., 2017, part 9221 B, F	Songkhla
Total Coliform	MPN/100mL	-	-	<1.1	<10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B	Songkhla

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Sampling By : Yuttapong Rattana , Sakkarin Panpheng

Remark :

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Chompoonuch Funtha
Supervisor

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Analysis / Test Report

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83150

P/O :
Project Name : Rosewood Phuket
Project Location :

Lot ID: 23133639
Date Received : Dec 08, 2023
Date Reported : Dec 18, 2023
Report Number : 2866322-1

Page 1 of 1

Sample Number	23133639-11						
Sampled Date	Dec 07, 2023 10:43 AM						
Sample Description	Swimming Pool Water Quality						
Location	Main Pool (Beach Side) / Deep						
Date Analysis Commenced	Dec 08, 2023						
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, 23rd ed., 2017, part 9221 B, F	Songkhla
Total Coliform	MPN/100mL	-	-	<1.1	<10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B	Songkhla

Guideline : คำแนะนำของคณะกรรมการสาธารณสุข ฉบับที่ 1/2550 เรื่อง การควบคุมการประกอบกิจการสระว่ายน้ำ หรือกิจการอื่น ๆ ในท่านองเดียวกัน

Sampling By : Thaksin Aintrom

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 : Emerald Bay Resort Co., Ltd.
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83150

P/O :
Project Name : Rosewood Phuket
Project Location :

Lot ID: 23133658
Date Received : Dec 15, 2023
Date Reported : Dec 25, 2023
Report Number : 2837765-1

Page 3 of 4

Sample Number	23133658-3						
Sampled Date	Dec 14, 2023 10:25 AM						
Sample Description	Swimming Pool Water Quality						
Location	Main Pool (Beach Side) / Deep						
Date Analysis Commenced	Dec 15, 2023						
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, 23rd ed., 2017, part 9221 B, F	Songkhla
Total Coliform	MPN/100mL	-	-	<1.1	<10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, 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

Chompoonuch F.

Chompoonuch Funtha
Supervisor

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Analysis / Test Report

Client : Emerald Bay Resort Co., Ltd.
88/28, 88/30-33, Muen-Ngern Rd, Tambon Patong, Amphoe Kathu, Phuket Thailand
83150
P/O : i23-210978
Project Name : Rosewood Phuket
Project Location :

Lot ID: 23133659
Date Received : Dec 22, 2023
Date Reported : Dec 28, 2023
Report Number : 2837760-1

Page 3 of 4

Sample Number	23133659-3						
Sampled Date	Dec 21, 2023 10:11 AM						
Sample Description	Swimming Pool Water Quality						
Location	Main Pool (Beach Side) / Deep						
Date Analysis Commenced	Dec 22, 2023						
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, 23rd ed., 2017, part 9221 B, F	Songkhla
Total Coliform	MPN/100mL	-	-	<1.1	<10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, 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

Chompoonuch F.

Chompoonuch Funtha
Supervisor

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Analysis / Test Report

Client : Emerald Bay Resort Co., Ltd.
88/28, 88/30-33, Muen-Ngern Rd, Tambon Patong, Amphoe Kathu, Phuket Thailand
83150
P/O :
Project Name : Rosewood Phuket
Project Location :

TESTING
No.0009
Lot ID: 23149224
Date Received : Dec 29, 2023
Date Reported : Jan 10, 2024
Report Number : 2876486-1

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Sample Number	23149224-3						
Sampled Date	Dec 28, 2023 10:21 AM						
Sample Description	Swimming Pool Water Quality						
Location	Main Pool (Beach Side) / Deep						
Date Analysis Commenced	Dec 29, 2023						
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, 23rd ed., 2017, part 9221 F	Bangkok
Total Coliform	MPN/100mL	-	-	<1.1	<10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 9221 B	Bangkok

Guideline : คำแนะนำของคณะกรรมการสาธารณสุข ฉบับที่ 1/2550 เรื่อง การควบคุมการประกอบกิจการสระว่ายน้ำ หรือกิจการอื่น ๆ ในท่านองเดียวกัน

Sampling By : Yuttapong Rattana

Remark :
- LOD : Limit of Detection
- "<" : Lower than LOQ (Limit of Quantitation) / LOR (Limit of Reporting)
- Analyte(s) marked * is/are not included in scope of Accreditation ISO/IEC 17025.
- The laboratory has been accepted as an accredited laboratory complying with the ISO/IEC 17025.

Approved by

Sithichok T.

Sithichok Thongnguen
Scientist (3)

ADDRESS 104 Phatthanakan 40, Phatthanakan Rd., Khwaeng Phatthanakan, Khet Suan Luang, Bangkok 10250 Thailand | PHONE +66 0 2760 3000 | FAX +66 0 2760 3197
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