

ภาคผนวก ค

ใบรับรองผลการตรวจวัด

คุณภาพอากาศในบรรยากาศโดยทั่วไป



Analysis / Test Report

TESTING
No.0009

Client : Southern Star Hotel Co., Ltd.
88/99 Moo 2, Chaofah Tawantok, Wichit, Muang, Phuket Thailand 83000
P/O : PO202501-000516
Project Name : EIA Monitoring
Project Location :

Lot ID: 259945

Date Received : Apr 05, 2025
Date Reported : Apr 11, 2025
Report Number : 3224171-1

Page 1 of 1

Sample Number : 259945-1
Sampled Date : Mar 31, 2025
Sample Description : Air Quality
Location : บริเวณพื้นที่โครงการ (GPS 47N 429169, 869966)
Date Analysis Commenced : Apr 07, 2025
Condition of Sample : Drawn into one glass filter paper (8x10 inch) placed in plastic bag and one quartz filter paper (8x10 inch) placed in plastic bag
Barometric Pressure : 755 mmHg
Atmospheric Temperature : 32.4 °C

Analyte	Sampled Date/time	Unit	LOD	LOQ (LOR)	Result	Guideline Limit	Method	Guideline	Testing Location
Air Testing									
Particulate matter as PM 10	31/03/25 - 01/04/25	mg/m3	-	0.005	0.028	0.12	In - house method : STM 04-052 based on U.S. Environmental Protection Agency 40 CFR, method 50, Appendix J, revised as of July 1, 2008 (Include sampling)	NEB No.24 Bangkok	
Total Suspended Particulate	31/03/25 - 01/04/25	mg/m3	-	0.005	0.032	0.33	In - house method : STM 04-051 based on U.S. Environmental Protection Agency 40 CFR, method 50, Appendix B, revised as of July 1, 2008 (Include sampling)	NEB No.24 Bangkok	

Guideline :

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

Sampled By : Yongsil Rangsee

Remark :

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

Approved by

Saranya Chalermtamrong
Scientist (4)

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

ผลการตรวจวิเคราะห์คุณลักษณะน้ำใช้



TESTING
No.0166

Analysis / Test Report

Client : Southern Star Hotel Co., Ltd.
88/99 Moo 2, Chaofah Tawantok, Wichit, Muang, Phuket Thailand 83000

P/O : PO202501-000516

Project Name : EIA Monitoring

Project Location :

Lot ID: 2515924

Date Received : Mar 18, 2025

Date Reported : Mar 27, 2025

Report Number : 3269469-1

Page 1 of 3

Sample Number	2515924-1
Sampled Date	Mar 17, 2025 9:40 AM
Sample Description	Consumption Water
Location	ถังเก็บน้ำดิบ:Plant Room
Date Analysis Commenced	Mar 18, 2025
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
Metals Testing							
Arsenic	mg/L	0.0003	0.0005	0.004	≤0.01	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Songkhla
Cadmium	mg/L	0.0003	0.0005	Not Detected	≤0.003	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Songkhla
Chromium	mg/L	0.0003	0.0005	<0.0005	≤0.05	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Songkhla
Copper	mg/L	0.0003	0.0005	0.0008	≤2.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Songkhla
Iron	mg/L	0.003	0.005	0.01	≤0.3	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Songkhla
Lead	mg/L	0.0003	0.0005	Not Detected	≤0.01	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Songkhla
Manganese	mg/L	0.0003	0.0005	0.07	≤0.1	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Songkhla

Approved by

Tuanjai Thangklang
Manager

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TESTING
No.0166

Analysis / Test Report

Client : Southern Star Hotel Co., Ltd.
88/99 Moo 2, Chaofah Tawantok, Wichit, Muang, Phuket Thailand 83000
P/O : PO202501-000516
Project Name : EIA Monitoring
Project Location :

Lot ID: 2515924

Date Received : Mar 18, 2025
Date Reported : Mar 27, 2025
Report Number : 3269469-1

Page 2 of 3

Sample Number 2515924-1
Sampled Date Mar 17, 2025 9:40 AM
Sample Description Consumption Water
Location ถังเก็บน้ำดิบ:Plant Room
Date Analysis Commenced Mar 18, 2025
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
Metals Testing							
Mercury	mg/L	0.0003	0.0005	Not Detected	≤0.001	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Songkhla
Zinc	mg/L	0.003	0.005	Not Detected	≤3.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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, 24th ed., 2023, part 9221 B, F	Songkhla
Total Coliform	MPN/100mL	-	-	2.2	Not Detected	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 9221 B	Songkhla
Water Testing							
^[A] Chloride as Cl	mg/L	0.06	0.2	5.2	≤250	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4110 B	Bangkok
Color *	Color unit	-	5	<5	≤15	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2120 B	Songkhla
^[A] Fluoride as F	mg/L	0.05	0.1	0.6	≤1.5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4110 B	Bangkok
^[A] Nitrate as NO ₃	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

Approved by

Tuanjai Thangklang
Manager

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TESTING
No.0166

Analysis / Test Report

Client : Southern Star Hotel Co., Ltd.
88/99 Moo 2, Chaofah Tawantok, Wichit, Muang, Phuket Thailand 83000

P/O : PO202501-000516

Project Name : EIA Monitoring

Project Location :

Lot ID: 2515924

Date Received : Mar 18, 2025

Date Reported : Mar 27, 2025

Report Number : 3269469-1

Page 3 of 3

Sample Number	2515924-1
Sampled Date	Mar 17, 2025 9:40 AM
Sample Description	Consumption Water
Location	ถังเก็บน้ำดิบ:Plant Room
Date Analysis Commenced	Mar 18, 2025
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
Water Testing							
pH at 25 degree C		-	-	7.0	6.5-8.5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Songkhla
[A] Sulfate	mg/L	0.15	0.5	2.3	≤250	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4110 B	Bangkok
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	172	≤1000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Songkhla
Total Hardness as CaCO ₃	mg/L	-	1	45	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2340 C	Songkhla
Turbidity	NTU	-	0.1	0.30	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2130 B	Songkhla

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

คลอรีนอิสระคงเหลือในระบบจ่ายน้ำประปา ไม่น้อยกว่า 0.2 mg/L

Sampling By : Thaksin Aintrom , Furakan Kasetka

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.
- Sampling is 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.

Approved by

Tuanjai Thangklang
Manager

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TESTING
No.0166

Analysis / Test Report

Client : Southern Star Hotel Co., Ltd.
88/99 Moo 2, Chaofah Tawantok, Wichit, Muang, Phuket Thailand 83000

P/O : PO202501-000516

Project Name : EIA Monitoring

Project Location :

Lot ID: 2515924

Date Received : Mar 18, 2025

Date Reported : Mar 27, 2025

Report Number : 3269470-1

Page 1 of 3

Sample Number	2515924-2
Sampled Date	Mar 17, 2025 9:55 AM
Sample Description	Consumption Water
Location	ก๊อคน้ำใช้ที่ผ่านการกรองของโครงการแล้ว:Phoenix Kitchen
Date Analysis Commenced	Mar 18, 2025
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
Metals Testing							
Arsenic	mg/L	0.0003	0.0005	0.002	≤0.01	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Songkhla
Cadmium	mg/L	0.0003	0.0005	Not Detected	≤0.003	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Songkhla
Chromium	mg/L	0.0003	0.0005	Not Detected	≤0.05	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Songkhla
Copper	mg/L	0.0003	0.0005	0.004	≤2.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Songkhla
Iron	mg/L	0.003	0.005	0.04	≤0.3	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Songkhla
Lead	mg/L	0.0003	0.0005	Not Detected	≤0.01	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Songkhla
Manganese	mg/L	0.0003	0.0005	0.01	≤0.1	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Songkhla

Approved by

Tuanjai Thangklang
Manager

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TESTING
No.0166

Analysis / Test Report

Client : Southern Star Hotel Co., Ltd.
88/99 Moo 2, Chaofah Tawantok, Wichit, Muang, Phuket Thailand 83000

P/O : PO202501-000516

Project Name : EIA Monitoring

Project Location :

Lot ID: 2515924

Date Received : Mar 18, 2025

Date Reported : Mar 27, 2025

Report Number : 3269470-1

Page 2 of 3

Sample Number	2515924-2
Sampled Date	Mar 17, 2025 9:55 AM
Sample Description	Consumption Water
Location	ก๊อคน้ำใช้ที่ผ่านการกรองของโครงการแล้ว:Phoenix Kitchen
Date Analysis Commenced	Mar 18, 2025
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
Metals Testing							
Mercury	mg/L	0.0003	0.0005	Not Detected	≤0.001	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3125 B,3030 F	Songkhla
Zinc	mg/L	0.003	0.005	0.02	≤3.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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, 24th ed., 2023, part 9221 B, F	Songkhla
Total Coliform	MPN/100mL	-	-	1.1	Not Detected	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 9221 B	Songkhla
Water Testing							
^[A] Chloride as Cl	mg/L	0.06	0.2	6.4	≤250	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4110 B	Bangkok
Color *	Color unit	-	5	<5	≤15	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2120 B	Songkhla
^[A] Fluoride as F	mg/L	0.05	0.1	0.4	≤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	1.5	≤50	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4110 B	Bangkok

Approved by

Tuanjai Thangklang
Manager

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TESTING
No.0166

Analysis / Test Report

Client : Southern Star Hotel Co., Ltd.
88/99 Moo 2, Chaofah Tawantok, Wichit, Muang, Phuket Thailand 83000

P/O : PO202501-000516

Project Name : EIA Monitoring

Project Location :

Lot ID: 2515924

Date Received : Mar 18, 2025

Date Reported : Mar 27, 2025

Report Number : 3269470-1

Page 3 of 3

Sample Number	2515924-2
Sampled Date	Mar 17, 2025 9:55 AM
Sample Description	Consumption Water
Location	ก๊อคน้ำใช้ที่ผ่านการกรองของโครงการแล้ว:Phoenix Kitchen
Date Analysis Commenced	Mar 18, 2025
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
Water Testing							
pH at 25 degree C		-	-	7.0	6.5-8.5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Songkhla
^[A] Sulfate	mg/L	0.15	0.5	3.5	≤250	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4110 B	Bangkok
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	156	≤1000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Songkhla
Total Hardness as CaCO ₃	mg/L	-	1	47	≤300	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2340 C	Songkhla
Turbidity	NTU	-	0.1	0.45	≤5	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2130 B	Songkhla

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

คลอรีนอิสระคงเหลือในระบบจ่ายน้ำประปา ไม่น้อยกว่า 0.2 mg/L

Sampling By : Thaksin Aintrom , Furakan Kasetka

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.
- Sampling is 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.

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Approved by

Tuanjai Thangklang
Manager

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Analysis / Test Report

TESTING
No.0166

Client : Southern Star Hotel Co., Ltd.
88/99 Moo 2, Chaofah Tawantok, Wichit, Muang, Phuket Thailand 83000

P/O :

Project Name : EIA Monitoring

Project Location :

Lot ID: 259309

Date Received : Jan 30, 2025

Date Reported : Feb 05, 2025

Report Number : 3228610-1

Page 1 of 2

Sample Number	259309-1
Sampled Date	Jan 29, 2025 9:45 AM
Sample Description	Wastewater
Location	บ่อตรวจคุณภาพน้ำหลังเข้ระบบบำบัดน้ำเสียรวมของโครงการ
Date Analysis Commenced	Jan 30, 2025
Condition of Sample	Contained in one amber glass bottle and five plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Microbiological Testing							
Total Coliform	MPN/100mL	-	-	79.0	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 9221 B	Songkhla
Water Testing							
BOD (5 days at 20 degree C)	mg/L	-	2.0	<2.0	≤20	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Songkhla
Oil & Grease	mg/L	-	3	<3	≤20	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Songkhla
pH at 25 degree C		-	-	7.4	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Songkhla
Settleable Solid *	mL/L/hr	-	0.1	<0.1	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 F	Songkhla
Sulfide *	mg/L	-	0.5	<0.5	≤1	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-S2 (C, F)	Songkhla
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	116	≤1000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Songkhla
Total Kjeldahl Nitrogen as N *	mg/L	0.15	1.0	Not Detected	≤35	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-Norg (C)	Bangkok

Approved by

Ananta B

Ananta Boonphet
Scientist (2)

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Analysis / Test Report

TESTING
No.0166

Client : Southern Star Hotel Co., Ltd.
88/99 Moo 2, Chaofah Tawantok, Wichit, Muang, Phuket Thailand 83000

P/O :

Project Name : EIA Monitoring

Project Location :

Lot ID: 259309

Date Received : Jan 30, 2025

Date Reported : Feb 05, 2025

Report Number : 3228610-1

Page 2 of 2

Sample Number	259309-1						
Sampled Date	Jan 29, 2025 9:45 AM						
Sample Description	Wastewater						
Location	בודตรวจคุณภาพน้ำหลังเข้าระบบบำบัดน้ำเสียรวมของโครงการ						
Date Analysis Commenced	Jan 30, 2025						
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	<5	≤30	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Songkhla

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

Sampling By : Thaksin Aintrom , Furakan Kasetka

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

Ananta B

Ananta Boonphet
Scientist (2)

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Analysis / Test Report

TESTING
No.0166

Client : Southern Star Hotel Co., Ltd.
88/99 Moo 2, Chaofah Tawantok, Wichit, Muang, Phuket Thailand 83000

P/O :

Project Name : EIA Monitoring

Project Location :

Lot ID: 259311

Date Received : Feb 18, 2025

Date Reported : Feb 24, 2025

Report Number : 3241684-1

Page 1 of 2

Sample Number	259311-1
Sampled Date	Feb 17, 2025 9:55 AM
Sample Description	Wastewater
Location	บ่อตรวจคุณภาพน้ำหลังเข้ระบบบำบัดน้ำเสียรวมของโครงการ
Date Analysis Commenced	Feb 18, 2025
Condition of Sample	Contained in one amber glass bottle and five plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Microbiological Testing							
Total Coliform	MPN/100mL	-	-	4.5	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 9221 B	Songkhla
Water Testing							
BOD (5 days at 20 degree C)	mg/L	-	2.0	<2.0	≤20	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Songkhla
Oil & Grease	mg/L	-	3	<3	≤20	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Songkhla
pH at 25 degree C		-	-	7.8	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Songkhla
Settleable Solid *	mL/L/hr	-	0.1	<0.1	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 F	Songkhla
Sulfide *	mg/L	-	0.5	<0.5	≤1	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-S2 (C, F)	Songkhla
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	106	≤1000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Songkhla
Total Kjeldahl Nitrogen as N *	mg/L	0.15	1.0	<1.0	≤35	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-Norg (C)	Bangkok

Approved by

Chompoonuch F.

Chompoonuch Funtha
Supervisor

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Analysis / Test Report

TESTING
No.0166

Client : Southern Star Hotel Co., Ltd.
88/99 Moo 2, Chaofah Tawantok, Wichit, Muang, Phuket Thailand 83000

P/O :

Project Name : EIA Monitoring

Project Location :

Lot ID: 259311

Date Received : Feb 18, 2025

Date Reported : Feb 24, 2025

Report Number : 3241684-1

Page 2 of 2

Sample Number	259311-1
Sampled Date	Feb 17, 2025 9:55 AM
Sample Description	Wastewater
Location	บ่อดตรวจคุณภาพน้ำหลังเข้ระบบบำบัดน้ำเสียรวมของโครงการ
Date Analysis Commenced	Feb 18, 2025
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	<5	≤30	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Songkhla

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

Sampling By : Thaksin Aintrom , Furakan Kasetka

Remark :

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

Approved by

Chompoonuch F.

Chompoonuch Funtha
Supervisor

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TESTING
No.0166

Analysis / Test Report

Client : Southern Star Hotel Co., Ltd.
88/99 Moo 2, Chaofah Tawantok, Wichit, Muang, Phuket Thailand 83000

P/O : PO202501-000516

Project Name : EIA Monitoring

Project Location :

Lot ID: 2515924

Date Received : Mar 18, 2025

Date Reported : Mar 27, 2025

Report Number : 3269471-1

Page 1 of 2

Sample Number	2515924-3
Sampled Date	Mar 17, 2025 10:15 AM
Sample Description	Wastewater
Location	บ่อตรวจคุณภาพน้ำหลังเขาระบบบำบัดน้ำเสียรวมของโครงการ
Date Analysis Commenced	Mar 18, 2025
Condition of Sample	Contained in one amber glass bottle and five plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Microbiological Testing							
Total Coliform	MPN/100mL	-	-	4.5	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 9221 B	Songkhla
Water Testing							
BOD (5 days at 20 degree C)	mg/L	-	2.0	<2.0	≤20	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Songkhla
Oil & Grease	mg/L	-	3	<3	≤20	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Songkhla
pH at 25 degree C		-	-	7.7	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Songkhla
Settleable Solid *	mL/L/hr	-	0.1	<0.1	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 F	Songkhla
Sulfide *	mg/L	-	0.5	<0.5	≤1	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-S2 (C, F)	Songkhla
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	122	≤1000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Songkhla
Total Kjeldahl Nitrogen as N *	mg/L	-	5.0	<5.0	≤35	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-Norg (C), part NH3 (D)	Songkhla

Approved by

Tuanjai Thangklang
Manager

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TESTING
No.0166

Analysis / Test Report

Client : Southern Star Hotel Co., Ltd.
88/99 Moo 2, Chaofah Tawantok, Wichit, Muang, Phuket Thailand 83000

P/O : PO202501-000516

Project Name : EIA Monitoring

Project Location :

Lot ID: 2515924

Date Received : Mar 18, 2025

Date Reported : Mar 27, 2025

Report Number : 3269471-1

Page 2 of 2

Sample Number	2515924-3
Sampled Date	Mar 17, 2025 10:15 AM
Sample Description	Wastewater
Location	บ่อตรวจคุณภาพน้ำหลังเขาระบบบำบัดน้ำเสียรวมของโครงการ
Date Analysis Commenced	Mar 18, 2025
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	<5	≤30	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Songkhla

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

Sampling By : Thaksin Aintrom , Furakan Kasetka

Remark :

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

Approved by

Tuanjai Thangklang
Manager

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Analysis / Test Report

TESTING
No.0166

Client : Southern Star Hotel Co., Ltd.
88/99 Moo 2, Chaofah Tawantok, Wichit, Muang, Phuket Thailand 83000

P/O : PO202501-000516

Project Name : EIA Monitoring

Project Location :

Lot ID: 2528415

Date Received : Apr 19, 2025

Date Reported : Apr 26, 2025

Report Number : 3290373-1

Page 1 of 2

Sample Number	2528415-1
Sampled Date	Apr 18, 2025 11:40 AM
Sample Description	Wastewater
Location	บ่อตรวจคุณภาพน้ำหลังเข้ระบบบำบัดน้ำเสียรวมของโครงการ
Date Analysis Commenced	Apr 19, 2025
Condition of Sample	Contained in one amber glass bottle and five plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Microbiological Testing							
Total Coliform	MPN/100mL	-	-	4.5	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 9221 B	Songkhla
Water Testing							
BOD (5 days at 20 degree C)	mg/L	-	2.0	3.3	≤20	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Songkhla
Oil & Grease	mg/L	-	3	3	≤20	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Songkhla
pH at 25 degree C		-	-	6.8	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Songkhla
Settleable Solid *	mL/L/hr	-	0.1	<0.1	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 F	Songkhla
Sulfide *	mg/L	-	0.5	0.6	≤1	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-S2 (C, F)	Songkhla
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	136	≤1000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Songkhla
Total Kjeldahl Nitrogen as N *	mg/L	-	5.0	<5.0	≤35	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-Norg (C), part NH3 (D)	Songkhla

Approved by

Ananta B

Ananta Boonphet
Scientist (2)

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Analysis / Test Report

TESTING
No.0166

Client : Southern Star Hotel Co., Ltd.
88/99 Moo 2, Chaofah Tawantok, Wichit, Muang, Phuket Thailand 83000
P/O : PO202501-000516
Project Name : EIA Monitoring
Project Location :

Lot ID: 2528415

Date Received : Apr 19, 2025

Date Reported : Apr 26, 2025

Report Number : 3290373-1

Page 2 of 2

Sample Number	2528415-1						
Sampled Date	Apr 18, 2025 11:40 AM						
Sample Description	Wastewater						
Location	บ่อตรวจคุณภาพน้ำหลังเข้ระบบบำบัดน้ำเสียรวมของโครงการ						
Date Analysis Commenced	Apr 19, 2025						
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	<5	≤30	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Songkhla

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

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.
- Sampling is not included in scope of accreditation ISO/IEC 17025

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Ananta B.

Ananta Boonphet
Scientist (2)

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Analysis / Test Report

TESTING
No.0166

Client : Southern Star Hotel Co., Ltd.
88/99 Moo 2, Chaofah Tawantok, Wichit, Muang, Phuket Thailand 83000
P/O : PO202501-000516
Project Name : EIA Monitoring
Project Location :

Lot ID: 2537549
Date Received : May 26, 2025
Date Reported : May 31, 2025
Report Number : 3321012-1

Page 1 of 2

Sample Number	2537549-1
Sampled Date	May 25, 2025 10:03 AM
Sample Description	Wastewater
Location	บ่อตรวจคุณภาพน้ำหลังเข้ระบบบำบัดน้ำเสียรวมของโครงการ
Date Analysis Commenced	May 26, 2025
Condition of Sample	Contained in one amber glass bottle and five plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Microbiological Testing							
Total Coliform	MPN/100mL	-	-	2.0	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 9221 B	Songkhla
Water Testing							
BOD (5 days at 20 degree C)	mg/L	-	2.0	<2.0	≤20	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Songkhla
Oil & Grease	mg/L	-	3	<3	≤20	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Songkhla
pH at 25 degree C		-	-	7.6	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Songkhla
Settleable Solid *	mL/L/hr	-	0.1	<0.1	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 F	Songkhla
Sulfide *	mg/L	-	0.5	<0.5	≤1	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-S2 (C, F)	Songkhla
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	182	≤1000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Songkhla
Total Kjeldahl Nitrogen as N *	mg/L	-	5.0	<5.0	≤35	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-Norg (C), part NH3 (D)	Songkhla

Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. The report shall not be reproduced except in full without the written approval of the laboratory.

Approved by

Chompoonuch F.

Chompoonuch Funtha
Supervisor

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Analysis / Test Report

TESTING
No.0166

Client : Southern Star Hotel Co., Ltd.
88/99 Moo 2, Chaofah Tawantok, Wichit, Muang, Phuket Thailand 83000
P/O : PO202501-000516
Project Name : EIA Monitoring
Project Location :

Lot ID: 2537549
Date Received : May 26, 2025
Date Reported : May 31, 2025
Report Number : 3321012-1

Page 2 of 2

Sample Number	2537549-1						
Sampled Date	May 25, 2025 10:03 AM						
Sample Description	Wastewater						
Location	บ่อตรวจคุณภาพน้ำหลังเขาระบบบำบัดน้ำเสียรวมของโครงการ						
Date Analysis Commenced	May 26, 2025						
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	<5	≤30	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Songkhla

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

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.
- Sampling is not included in scope of accreditation ISO/IEC 17025

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Chompoonuch F.

Chompoonuch Funtha
Supervisor

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Analysis / Test Report

TESTING
No.0166

Client : Southern Star Hotel Co., Ltd.
88/99 Moo 2, Chaofah Tawantok, Wichit, Muang, Phuket Thailand 83000

P/O : PO202501-000516

Project Name : EIA Monitoring

Project Location :

Lot ID: 2543153

Date Received : Jun 28, 2025

Date Reported : Jul 04, 2025

Report Number : 3351911-1

Page 1 of 2

Sample Number	2543153-1
Sampled Date	Jun 27, 2025 9:45 AM
Sample Description	Wastewater
Location	บ่อตรวจคุณภาพน้ำหลังเข้าระบบบำบัดน้ำเสียรวมของโครงการ
Date Analysis Commenced	Jun 28, 2025
Condition of Sample	Contained in one amber glass bottle and five plastic bottles, sample containers comply to pretreatment - preservation standards (APHA, USEPA)

Analyte	Unit	LOD	LOQ (LOR)	Result	Guideline / Specification	Method	Testing Location
Microbiological Testing							
Total Coliform	MPN/100mL	-	-	4900.0	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 9221 B	Songkhla
Water Testing							
BOD (5 days at 20 degree C)	mg/L	-	2.0	<2.0	≤20	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5210 B, part 4500 - O G	Songkhla
Oil & Grease	mg/L	-	3	<3	≤20	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 5520 B	Songkhla
pH at 25 degree C		-	-	7.8	5.5-9.0	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500 - H (B)	Songkhla
Settleable Solid *	mL/L/hr	-	0.1	<0.1	No Standard	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 F	Songkhla
Sulfide *	mg/L	-	0.5	<0.5	≤1	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-S2 (C, F)	Songkhla
Total Dissolved solids Dried at 180 degree C	mg/L	-	5	60	≤1000	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 C	Songkhla
Total Kjeldahl Nitrogen as N *	mg/L	-	5.0	<5.0	≤35	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 4500-Norg (C), part NH3 (D)	Songkhla

Approved by

Ananta B

Ananta Boonphet
Scientist (2)

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Analysis / Test Report

TESTING
No.0166

Client : Southern Star Hotel Co., Ltd.
88/99 Moo 2, Chaofah Tawantok, Wichit, Muang, Phuket Thailand 83000

P/O : PO202501-000516

Project Name : EIA Monitoring

Project Location :

Lot ID: 2543153

Date Received : Jun 28, 2025

Date Reported : Jul 04, 2025

Report Number : 3351911-1

Page 2 of 2

Sample Number	2543153-1
Sampled Date	Jun 27, 2025 9:45 AM
Sample Description	Wastewater
Location	บ่อตรวจคุณภาพน้ำหลังเข้ระบบบำบัดน้ำเสียรวมของโครงการ
Date Analysis Commenced	Jun 28, 2025
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	<5	≤30	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2540 D	Songkhla

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

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.
- Sampling is not included in scope of accreditation ISO/IEC 17025

Approved by

Ananta B

Ananta Boonphet
Scientist (2)

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ผลการตรวจวิเคราะห์คุณภาพน้ำสระว่ายนํ้า



Analysis / Test Report

Client : Southern Star Hotel Co., Ltd.
88/99 Moo 2, Chaofah Tawantok, Wichit, Muang, Phuket Thailand 83000

P/O :

Project Name : EIA Monitoring

Project Location :

Lot ID: 259309

Date Received : Jan 30, 2025

Date Reported : Feb 05, 2025

Report Number : 3228611-1

Page 1 of 1

Sample Number	259309-2
Sampled Date	Jan 29, 2025 9:30 AM
Sample Description	Swimming Pool
Location	สระว่ายน้ำของโครงการ: Main Pool
Date Analysis Commenced	Jan 30, 2025
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							
Fecal Coliform	in 100 mL	-	-	Not Detected	Not Detected	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 9221 B, E	Songkhla
Total Coliform	MPN/100mL	-	-	<1.1	<10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 9221 B	Songkhla

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

Sampling By : Thaksin Aintrom , Furakan Kasetka

Remark :

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

Approved by

Tuanjai Thangklang
Manager

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Analysis / Test Report

Client : Southern Star Hotel Co., Ltd.
88/99 Moo 2, Chaofah Tawantok, Wichit, Muang, Phuket Thailand 83000

P/O :

Project Name : EIA Monitoring

Project Location :

Lot ID: 259311

Date Received : Feb 18, 2025

Date Reported : Feb 24, 2025

Report Number : 3241685-1

Page 1 of 1

Sample Number 259311-2
Sampled Date Feb 17, 2025 9:45 AM
Sample Description Swimming Pool
Location สระว่ายน้ำของโครงการ Main Pool
Date Analysis Commenced Feb 18, 2025
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							
Fecal Coliform	in 100 mL	-	-	Not Detected	Not Detected	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 9221 B, E	Songkhla
Total Coliform	MPN/100mL	-	-	<1.1	<10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 9221 B	Songkhla

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Sampling By : Thaksin Aintrom , Furakan Kasetka

Remark :

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Approved by

Chompoonuch F.

Chompoonuch Funtha
Supervisor

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Analysis / Test Report

Client : Southern Star Hotel Co., Ltd.
88/99 Moo 2, Chaofah Tawantok, Wichit, Muang, Phuket Thailand 83000

P/O : PO202501-000516

Project Name : EIA Monitoring

Project Location :

Lot ID: 2515924

Date Received : Mar 18, 2025

Date Reported : Mar 27, 2025

Report Number : 3269472-1

Page 1 of 2

Sample Number	2515924-4
Sampled Date	Mar 17, 2025 10:30 AM
Sample Description	Swimming Pool
Location	สระว่ายน้ำของโครงการ:Main Pool
Date Analysis Commenced	Mar 18, 2025
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, 24th ed., 2023, part 9221 B, F	Songkhla
Fecal Coliform	in 100 mL	-	-	Not Detected	Not Detected	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 9221 B, E	Songkhla
<i>Pseudomonas aeruginosa</i>	in 100 mL	-	-	Not Detected	Not Detected	In-house method based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 9213 E	Bangkok
<i>Staphylococcus aureus</i>	in 100 mL	-	-	Not Detected	Not Detected	In-house method : STM No. 14-039 based on Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 9213 B and FDA Bacteriological Analytical Manual online, Chapter 12, 2016	Songkhla
Total Coliform	MPN/100mL	-	-	<1.1	<10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, 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, 24th ed., 2023, part 4500-NH3 (B, F)	Bangkok
Calcium Hardness as CaCO ₃	mg/L	-	1	368	250-600	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 3500-Ca (B)	Songkhla

Approved by

Tuanjai Thangklang
Manager

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P/O : PO202501-000516

Project Name : EIA Monitoring

Project Location :

Lot ID: 2515924

Date Received : Mar 18, 2025

Date Reported : Mar 27, 2025

Report Number : 3269472-1

Page 2 of 2

Sample Number	2515924-4
Sampled Date	Mar 17, 2025 10:30 AM
Sample Description	Swimming Pool
Location	สระว่ายน้ำของโครงการ:Main Pool
Date Analysis Commenced	Mar 18, 2025
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							
Chloride as Cl	mg/L	0.06	0.2	187	≤600	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4110 B	Bangkok
Cyanuric acid	mg/L	2	7	310	30-60	Colorimetric Method	Bangkok
Nitrate as NO ₃	mg/L	0.3	1.0	23.0	≤50	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 23rd ed., 2017, part 4110 B	Bangkok
Total Alkalinity as CaCO ₃	mg/L	-	1	<1	80-100	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 2320 B	Songkhla

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Sampling By : Thaksin Aintrom , Furakan Kasetka

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P/O : PO202501-000516
Project Name : EIA Monitoring
Project Location :

Lot ID: 2528415

Date Received : Apr 19, 2025
Date Reported : Apr 25, 2025
Report Number : 3290374-1

Page 1 of 1

Sample Number 2528415-2
Sampled Date Apr 18, 2025 11:30 AM
Sample Description Swimming Pool
Location สระว่ายน้ำของโครงการ: Main Pool
Date Analysis Commenced Apr 19, 2025
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							
Fecal Coliform	in 100 mL	-	-	Not Detected	Not Detected	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 9221 B, E	Songkhla
Total Coliform	MPN/100mL	-	-	<1.1	<10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 9221 B	Songkhla

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Sampling By : Thaksin Aintrom

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P/O : PO202501-000516
Project Name : EIA Monitoring
Project Location :

Lot ID: 2537549

Date Received : May 26, 2025

Date Reported : May 31, 2025

Report Number : 3321013-1

Page 1 of 1

Sample Number : 2537549-2
Sampled Date : May 25, 2025 9:51 AM
Sample Description : Swimming Pool
Location : สระว่ายน้ำของโครงการ
Date Analysis Commenced : May 26, 2025
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							
Fecal Coliform	in 100 mL	-	-	Not Detected	Not Detected	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 9221 B, E	Songkhla
Total Coliform	MPN/100mL	-	-	<1.1	<10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 9221 B	Songkhla

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Sampling By : Yuttapong Rattana , Sakkarin Panpheng

Remark :

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Approved by

Chompoonuch F.

Chompoonuch Funtha
Supervisor

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P/O : PO202501-000516
Project Name : EIA Monitoring
Project Location :

Lot ID: 2543153

Date Received : Jun 28, 2025

Date Reported : Jul 03, 2025

Report Number : 3351912-1

Page 1 of 1

Sample Number 2543153-2
Sampled Date Jun 27, 2025 9:30 AM
Sample Description Swimming Pool
Location สระว่ายน้ำของโครงการ
Date Analysis Commenced Jun 28, 2025
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							
Fecal Coliform	in 100 mL	-	-	Not Detected	Not Detected	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 9221 B, E	Songkhla
Total Coliform	MPN/100mL	-	-	<1.1	<10	Standard Methods for the Examination of Water and Wastewater. APHA, AWWA & WEF, 24th ed., 2023, part 9221 B	Songkhla

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Sampling By : Yuttapong Rattana

Remark :

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Chompoonuch Funtha
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