



## Analysis/Test Report

Customer Name : Centara Grand Mirage Beach Resort Pattaya

Address : 277 Moo 5, Naklua, Banglamung, Pattaya, Chonburi 20150, Thailand

Sampling Site : Centara Grand (Pattaya)

Sample Type : Usage Water

Sampling by : Test Tech Co., Ltd.

Sampling Method : Grab

Sampling Date : 03/04/2024

Sampling Time : 10:30 AM

Received Date : 03/04/2024

Analytical Date : 03 - 17/04/2024

Report Date : 18/04/2024

Report No. : R09215/67

Parameters	Unit	Method	TW07793 /67	TW07794 /67	TW07795 /67	Standard <sup>a</sup>
			Water in Storage Tank	Soft Water System (Main Point)	Hot Water System (Main Point)	
pH (25°C) <sup>#</sup>	-	Based on SM 2023 (4500-H <sup>+</sup> B)	7.5	7.4	7.4	6.5-8.5
Turbidity <sup>#</sup>	NTU	SM 2023 (2130 B)	< 0.50	4.98	0.74	5
Conductivity <sup>#</sup>	uS/cm	SM 2023 (2510 B)	389	381	396	-
* Dissolved Solids	mg/L as NaCl	Electrical Conductivity	233	229	238	1000
Total Hardness <sup>@</sup>	mg/L as CaCO <sub>3</sub>	SM 2023 (2340 C)	88	80	90	300
Chloride <sup>@</sup>	mg/L as Cl <sup>-</sup>	SM 2023 (4500-Cl <sup>-</sup> B)	46	44	46	250
Total Iron <sup>#</sup>	mg/L as Fe	SM 2023 (3500-Fe B)	< 0.10	0.86	0.12	0.3
Manganese <sup>#</sup>	mg/L	SM 2023 (3500-Mn B)	< 0.04	0.06	0.04	0.1
Nitrate <sup>#</sup>	mg/L as NO <sub>3</sub> <sup>-</sup>	SM 2023 (4500-NO <sub>3</sub> <sup>-</sup> E)	7.09	3.85	7.92	50
Sulfate <sup>#</sup>	mg/L as SO <sub>4</sub> <sup>2-</sup>	Based on SM 2023 (4500-SO <sub>4</sub> <sup>2-</sup> E)	44.25	43.04	47.56	250
Sample Condition		Observation	Clear	Light Yellow, Clear	Clear	

Remark : 1. SM 2023 : Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24<sup>th</sup> ed., 2023

2. Test marked "#" on this report are Accredited International Standard ISO/IEC 17025 by BLA-DSS.

3. Test marked "@" on this report are Accredited International Standard ISO/IEC 17025 by BLQS-DMSc.

4. Test marked "\*" on this report are not included in scope of Accreditation

5. a : Specification for Water Supply Quality of Metropolitan Waterworks Authority.

18/04/2024

18/04/2024

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## Analysis/Test Report

Customer Name : Centara Grand Mirage Beach Resort Pattaya

Address : 277 Moo 5, Naklua, Banglamung, Pattaya, Chonburi 20150, Thailand

Sampling Site : Centara Grand (Pattaya)

Sample Type : Usage Water

Sampling by : Test Tech Co., Ltd.

Sampling Method : Grab

Sampling Date : 03/04/2024

Sampling Time : 10:30 AM

Received Date : 03/04/2024

Analytical Date : 03 - 17/04/2024

Report Date : 18/04/2024

Report No. : R09216/67

Parameters	Unit	Method	TW07793 /67	TW07794 /67	TW07795 /67	Standard <sup>a</sup>
			Water in Storage Tank	Soft Water System (Main Point)	Hot Water System (Main Point)	
Coliform Bacteria	MPN/100 mL	SM 2023 (9221 B)	< 1.1	< 1.1	< 1.1	not found
<i>E. coli</i>	/100 mL	SM 2023 (9221 F, Detection)	not found	not found	not found	not found
Sample Condition		Observation	Clear	Light Yellow, Clear	Clear	

Remark : 1. SM 2023 : Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24<sup>th</sup> ed., 2023

2. a : Specification for Water Supply Quality of Metropolitan Waterworks Authority.

3. Coliform Bacteria &lt; 1.1 MPN/100 mL is meaning not found

18/04/2024

18/04/2024

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## Analysis/Test Report

Customer Name : Centara Grand Mirage Beach Resort Pattaya

Address : 277 Moo 5, Naklua, Banglamung, Pattaya, Chonburi 20150, Thailand

Sampling Site : Centara Grand (Pattaya)

Sample Type : Usage Water

Sampling by : Test Tech Co., Ltd.

Sampling Method : Grab

Sampling Date : 03/04/2024

Sampling Time : 10:30 AM

Received Date : 03/04/2024

Analytical Date : 03 - 17/04/2024

Report Date : 18/04/2024

Report No. : R09217/67

Parameters	Unit	Method	TW07796 /67	TW07797 /67	Standard <sup>a</sup>
			Guest Room Cold Water (South A 412 )	Guest Room Cold Water (South A 416 )	
pH (25°C) <sup>#</sup>	-	Based on SM 2023 (4500-H <sup>+</sup> B)	7.5	7.5	6.5-8.5
Turbidity <sup>#</sup>	NTU	SM 2023 (2130 B)	0.80	< 0.50	5
Conductivity <sup>#</sup>	uS/cm	SM 2023 (2510 B)	390	390	-
* Dissolved Solids	mg/L as NaCl	Electrical Conductivity	234	234	1000
Total Hardness <sup>@</sup>	mg/L as CaCO <sub>3</sub>	SM 2023 (2340 C)	82	84	300
Chloride <sup>@</sup>	mg/L as Cl <sup>-</sup>	SM 2023 (4500-Cl <sup>-</sup> B)	45	45	250
Total Iron <sup>#</sup>	mg/L as Fe	SM 2023 (3500-Fe B)	< 0.10	< 0.10	0.3
Manganese <sup>#</sup>	mg/L	SM 2023 (3500-Mn B)	< 0.04	0.04	0.1
Nitrate <sup>#</sup>	mg/L as NO <sub>3</sub> <sup>-</sup>	SM 2023 (4500-NO <sub>3</sub> <sup>-</sup> E)	7.20	6.42	50
Sulfate <sup>#</sup>	mg/L as SO <sub>4</sub> <sup>2-</sup>	Based on SM 2023 (4500-SO <sub>4</sub> <sup>2-</sup> E)	46.05	46.05	250
Sample Condition		Observation	Clear	Clear	

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## Analysis/Test Report

Customer Name : Centara Grand Mirage Beach Resort Pattaya

Address : 277 Moo 5, Naklua, Banglamung, Pattaya, Chonburi 20150, Thailand

Sampling Site : Centara Grand (Pattaya)

Sample Type : Usage Water

Sampling by : Test Tech Co., Ltd.

Sampling Method : Grab

Sampling Date : 03/04/2024

Sampling Time : 10:30 AM

Received Date : 03/04/2024

Analytical Date : 03 - 17/04/2024

Report Date : 18/04/2024

Report No. : R09218/67

Parameters	Unit	Method	TW07796 /67	TW07797 /67	Standard <sup>a</sup>
			Guest Room Cold Water (South A 412 )	Guest Room Cold Water (South A 416 )	
Coliform Bacteria	MPN/100 mL	SM 2023 (9221 B)	< 1.1	< 1.1	not found
<i>E. coli</i>	/100 mL	SM 2023 (9221 F, Detection)	not found	not found	not found
Sample Condition		Observation	Clear	Clear	

Remark : 1. SM 2023 : Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24<sup>th</sup> ed., 2023

2. a : Specification for Water Supply Quality of Metropolitan Waterworks Authority.

3. Coliform Bacteria &lt; 1.1 MPN/100 mL is meaning not found

18/04/2024

18/04/2024

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## Analysis/Test Report

Customer Name : Centara Grand Mirage Beach Resort Pattaya

Address : 277 Moo 5, Naklua, Banglamung, Pattaya, Chonburi 20150, Thailand

Sampling Site : Centara Grand (Pattaya)

Sample Type : Usage Water

Sampling by : Test Tech Co., Ltd.

Sampling Method : Grab

Sampling Date : 03/04/2024

Sampling Time : 10:30 AM

Received Date : 03/04/2024

Analytical Date : 03 - 17/04/2024

Report Date : 18/04/2024

Report No. : R09219/67

Parameters	Unit	Method	TW07798 /67	TW07799 /67	Standard <sup>a</sup>
			Guest Room Hot Water (South A 412)	Guest Room Hot Water (South A 416 )	
pH (25°C) <sup>#</sup>	-	Based on SM 2023 (4500-H <sup>+</sup> B)	7.3	7.3	6.5-8.5
Turbidity <sup>#</sup>	NTU	SM 2023 (2130 B)	< 0.50	0.59	5
Conductivity <sup>#</sup>	uS/cm	SM 2023 (2510 B)	395	396	-
* Dissolved Solids	mg/L as NaCl	Electrical Conductivity	237	238	1000
Total Hardness <sup>@</sup>	mg/L as CaCO <sub>3</sub>	SM 2023 (2340 C)	86	86	300
Chloride <sup>@</sup>	mg/L as Cl <sup>-</sup>	SM 2023 (4500-Cl <sup>-</sup> B)	45	46	250
Total Iron <sup>#</sup>	mg/L as Fe	SM 2023 (3500-Fe B)	< 0.10	0.10	0.3
Manganese <sup>#</sup>	mg/L	SM 2023 (3500-Mn B)	< 0.04	< 0.04	0.1
Nitrate <sup>#</sup>	mg/L as NO <sub>3</sub> <sup>-</sup>	SM 2023 (4500-NO <sub>3</sub> <sup>-</sup> E)	6.36	6.31	50
Sulfate <sup>#</sup>	mg/L as SO <sub>4</sub> <sup>2-</sup>	Based on SM 2023 (4500-SO <sub>4</sub> <sup>2-</sup> E)	46.35	46.05	250
Sample Condition		Observation	Clear	Clear	

Remark : 1. SM 2023 : Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24<sup>th</sup> ed., 2023

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5. a : Specification for Water Supply Quality of Metropolitan Waterworks Authority.

18/04/2024

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## Analysis/Test Report

Customer Name : Centara Grand Mirage Beach Resort Pattaya

Address : 277 Moo 5, Naklua, Banglamung, Pattaya, Chonburi 20150, Thailand

Sampling Site : Centara Grand (Pattaya)

Sample Type : Usage Water

Sampling by : Test Tech Co., Ltd.

Sampling Method : Grab

Sampling Date : 03/04/2024

Sampling Time : 10:30 AM

Received Date : 03/04/2024

Analytical Date : 03 - 17/04/2024

Report Date : 18/04/2024

Report No. : R09220/67

Parameters	Unit	Method	TW07798 /67	TW07799 /67	Standard <sup>a</sup>
			Guest Room Hot Water (South A 412)	Guest Room Hot Water (South A 416)	
Coliform Bacteria	MPN/100 mL	SM 2023 (9221 B)	< 1.1	< 1.1	not found
<i>E. coli</i>	/100 mL	SM 2023 (9221 F, Detection)	not found	not found	not found
Sample Condition		Observation	Clear	Clear	

Remark : 1. SM 2023 : Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24<sup>th</sup> ed., 2023

2. a : Specification for Water Supply Quality of Metropolitan Waterworks Authority.

3. Coliform Bacteria &lt; 1.1 MPN/100 mL is meaning not found

18/04/2024

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## Analysis/Test Report

Customer Name : Centara Grand Mirage Beach Resort Pattaya

Address : 277 Moo 5, Naklua, Banglamung, Pattaya, Chonburi 20150, Thailand

Sampling Site : Centara Grand (Pattaya)

Sample Type : Usage Water

Sampling by : Test Tech Co., Ltd.

Sampling Method : Grab

Sampling Date : 03/04/2024

Sampling Time : 10:30 AM

Received Date : 03/04/2024

Analytical Date : 03 - 17/04/2024

Report Date : 18/04/2024

Report No. : R09221/67

Parameters	Unit	Method	TW07800 /67	Standard <sup>a</sup>
			Cooling Water	( Cooling Water )
pH (25°C) <sup>#</sup>	-	Based on SM 2023 (4500-H <sup>+</sup> B)	8.0	8.5 - 9.5
Conductivity <sup>#</sup>	uS/cm	SM 2023 (2510 B)	2120	< 2500
* Dissolved Solids	mg/L as NaCl	Electrical Conductivity	1272	< 2000
* P-Alkalinity	mg/L as CaCO <sub>3</sub>	Titration	< 1	-
* M-Alkalinity	mg/L as CaCO <sub>3</sub>	Titration	75	-
Total Hardness <sup>@</sup>	mg/L as CaCO <sub>3</sub>	SM 2023 (2340 C)	350	< 100
Chloride <sup>@</sup>	mg/L as Cl <sup>-</sup>	SM 2023 (4500-Cl <sup>-</sup> B)	400	< 400
Total Iron <sup>#</sup>	mg/L as Fe	SM 2023 (3500-Fe B)	< 0.10	< 1.0
Manganese <sup>#</sup>	mg/L	SM 2023 (3500-Mn B)	< 0.04	-
* Sulfate	mg/L as SO <sub>4</sub> <sup>2-</sup>	Based on SM 2023 (4500-SO <sub>4</sub> <sup>2-</sup> E)	323	-
* Silica	mg/L as SiO <sub>2</sub>	SM 2023 (4500-SiO <sub>2</sub> C)	27.82	-
* Total Phosphorus	mg/L as P	Stannous Chloride	< 0.01	-
Sample Condition		Observation	Light Yellow, Clear	

Remark : 1. SM 2023 : Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24<sup>th</sup> ed., 2023

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3. Test marked "@ " on this report are Accredited International Standard ISO/IEC 17025 by BLQS-DMSc.

4. Test marked " \* " on this report are not included in scope of Accreditation

5. a : เกณฑ์ควบคุมคุณภาพน้ำในระบบต่าง ๆ

18/04/2024

18/04/2024

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TESTING  
NO.0001

## Analysis/Test Report

Customer Name : Centara Grand Mirage Beach Resort Pattaya

Address : 277 Moo 5, Naklua, Banglamung, Pattaya, Chonburi 20150, Thailand

Sampling Site : Centara Grand (Pattaya)

Sample Type : Usage Water

Sampling by : Test Tech Co., Ltd.

Sampling Method : Grab

Sampling Date : 03/04/2024

Sampling Time : 10:30 AM

Received Date : 03/04/2024

Analytical Date : 03 - 17/04/2024

Report Date : 18/04/2024

Report No. : R09222/67

Parameters	Unit	Method	TW07800 /67
			Cooling Water
Legionella spp.	/L	ISO 11731 : 2017	not detected
Sample Condition		Observation	Light Yellow, Clear

18/04/2024

18/04/2024

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## Analysis/Test Report

Customer Name : Centara Grand Mirage Beach Resort Pattaya

Address : 277 Moo 5, Naklua, Banglamung, Pattaya, Chonburi 20150, Thailand

Sampling Site : Centara Grand (Pattaya)

Sample Type : Usage Water

Sampling by : Test Tech Co., Ltd.

Sampling Method : Grab

Sampling Date : 03/04/2024

Sampling Time : 10:30 AM

Received Date : 03/04/2024

Analytical Date : 03 - 17/04/2024

Report Date : 18/04/2024

Report No. : R09223/67

Parameters	Unit	Method	TW07801 /67	Standard <sup>a</sup> ( Chilled Water )
			Chilled Water	
* pH (25°C)	-	Based on SM 2023 (4500-H <sup>+</sup> B)	9.9	7.5 - 9.5
Conductivity <sup>#</sup>	uS/cm	SM 2023 (2510 B)	690	-
* Dissolved Solids	mg/L as NaCl	Electrical Conductivity	414	-
* P-Alkalinity	mg/L as CaCO <sub>3</sub>	Titration	25	-
* M-Alkalinity	mg/L as CaCO <sub>3</sub>	Titration	85	-
Total Hardness <sup>@</sup>	mg/L as CaCO <sub>3</sub>	SM 2023 (2340 C)	59	-
Chloride <sup>@</sup>	mg/L as Cl <sup>-</sup>	SM 2023 (4500-Cl <sup>-</sup> B)	46	-
* Total Iron	mg/L as Fe	SM 2023 (3500-Fe B)	3.98	< 1.0
Manganese <sup>#</sup>	mg/L	SM 2023 (3500-Mn B)	0.06	-
Sulfate <sup>#</sup>	mg/L as SO <sub>4</sub> <sup>2-</sup>	Based on SM 2023 (4500-SO <sub>4</sub> <sup>2-</sup> E)	43.04	-
Silica <sup>#</sup>	mg/L as SiO <sub>2</sub>	SM 2023 (4500-SiO <sub>2</sub> C)	3.93	-
* Nitrite	mg/L as NO <sub>2</sub> <sup>-</sup>	SM 2023 (4500-NO <sub>2</sub> <sup>-</sup> B)	103	500 - 1000
Sample Condition		Observation	Light Yellow, a little bit Particles	

- Remark : 1. SM 2023 : Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24<sup>th</sup> ed., 2023
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4. Test marked " \* " on this report are not included in scope of Accreditation
5. a : เกณฑ์ควบคุมคุณภาพน้ำในระบบต่าง ๆ (Chilled Water)

18/04/2024

18/04/2024

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## Analysis/Test Report

Customer Name : Centara Grand Mirage Beach Resort Pattaya

Address : 277 Moo 5, Naklua, Banglamung, Pattaya, Chonburi 20150, Thailand

Sampling Site : Centara Grand (Pattaya)

Sample Type : Drinking Water

Sampling by : Test Tech Co., Ltd.

Sampling Method : Grab

Sampling Date : 03/04/2024

Sampling Time : 10:30 AM

Received Date : 03/04/2024

Analytical Date : 03 - 10/04/2024

Report Date : 12/04/2024

Report No. : R08808/67

Parameters	Unit	Method	TW07802 /67	TW07803 /67	TW07804 /67	Standard <sup>a</sup>
			Drinking Water (Canteen)	Drinking Water (Oasis Kitchen)	Drinking Water (Guest Room 412)	
pH (25°C) <sup>#</sup>	-	Based on SM 2023 (4500-H <sup>+</sup> B)	7.3	7.4	7.5	6.5-8.5
Turbidity <sup>#</sup>	NTU	SM 2023 (2130 B)	1.44	1.53	1.95	≤ 5.0
Conductivity <sup>#</sup>	uS/cm	SM 2023 (2510 B)	388	388	388	-
* Dissolved Solids	mg/L as NaCl	Electrical Conductivity	233	233	233	-
Total Hardness <sup>@</sup>	mg/L as CaCO <sub>3</sub>	SM 2023 (2340 C)	84	82	82	≤ 100.0
Chloride <sup>@</sup>	mg/L as Cl <sup>-</sup>	SM 2023 (4500-Cl <sup>-</sup> B)	45	45	44	≤ 250.0
Total Iron <sup>#</sup>	mg/L as Fe	SM 2023 (3500-Fe B)	0.16	0.19	0.16	≤ 0.3
Manganese <sup>#</sup>	mg/L	SM 2023 (3500-Mn B)	0.32	0.32	0.33	≤ 0.05
Nitrate Nitrogen <sup>#</sup>	mg/L as NO <sub>3</sub> <sup>-</sup> N	SM 2023 (4500-NO <sub>3</sub> <sup>-</sup> E)	0.94	0.97	0.94	≤ 4.0
Sulfate <sup>#</sup>	mg/L as SO <sub>4</sub> <sup>2-</sup>	Based on SM 2023 (4500-SO <sub>4</sub> <sup>2-</sup> E)	44.85	44.85	43.95	≤ 250.0
Sample Condition		Observation	Light Yellow, a little bit Particles	Light Yellow, a little bit Particles	Light Yellow, a little bit Particles	

- Remark :
1. SM 2023 : Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24<sup>th</sup> ed., 2023
  2. Test marked "# " on this report are Accredited International Standard ISO/IEC 17025 by BLA-DSS.
  3. Test marked "@ " on this report are Accredited International Standard ISO/IEC 17025 by BLQS-DMSc.
  4. Test marked " \* " on this report are not included in scope of Accreditation
  5. a : Notification of the Ministry of Public Health, No. 284 , B.E. 2547 (2004) on "Drinking Water in Sealed Container" (No.5) ( Included No. 135 , B.E. 2534 (1991) and No. 61, B.E. 2524 (1981))

12/04/2024

12/04/2024

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## Analysis/Test Report

Customer Name : Centara Grand Mirage Beach Resort Pattaya

Address : 277 Moo 5, Naklua, Banglamung, Pattaya, Chonburi 20150, Thailand

Sampling Site : Centara Grand (Pattaya)

Sample Type : Drinking Water

Sampling by : Test Tech Co., Ltd.

Sampling Method : Grab

Sampling Date : 03/04/2024

Sampling Time : 10:30 AM

Received Date : 03/04/2024

Analytical Date : 03 - 10/04/2024

Report Date : 12/04/2024

Report No. : R08809/67

Parameters	Unit	Method	TW07802 /67	TW07803 /67	TW07804 /67	Standard <sup>a</sup>
			Drinking Water (Canteen)	Drinking Water (Oasis Kitchen)	Drinking Water (Guest Room 412)	
Coliform Bacteria	MPN/100 mL	SM 2023 (9221 B)	< 1.1	< 1.1	< 1.1	< 2.2
<i>E. coli</i>	/100 mL	SM 2023 (9221 F, Detection)	not found	not found	not found	negative
Sample Condition		Observation	Light Yellow, a little bit Particles	Light Yellow, a little bit Particles	Light Yellow, a little bit Particles	

Remark : 1. SM 2023 : Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24<sup>th</sup> ed., 20232. a : Notification of the Ministry of Public Health, No. 284 , B.E. 2547 (2004) on "Drinking Water in Sealed Container" (No.5)  
( Included No. 135 , B.E. 2534 (1991) and No. 61, B.E. 2524 (1981))

12/04/2024

12/04/2024

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## Analysis/Test Report

Customer Name : Centara Grand Mirage Beach Resort Pattaya

Address : 277 Moo 5, Naklua, Banglamung, Pattaya, Chonburi 20150, Thailand

Sampling Site : Centara Grand (Pattaya)

Sample Type : Ice

Sampling by : Test Tech Co., Ltd.

Sampling Method : Grab

Sampling Date : 03/04/2024

Sampling Time : 10:30 AM

Received Date : 03/04/2024

Analytical Date : 03 - 08/04/2024

Report Date : 10/04/2024

Report No. : R08516/67

Parameters	Unit	Method	TW07805 /67	TW07806 /67	Standard <sup>a</sup>
			Canteen (Cube)	Banquet (Flake)	
Coliform Bacteria	MPN/100 mL	SM 2023 (9221 B)	< 1.1	< 1.1	< 2.2
<i>E. coli</i>	/100 mL	SM 2023 (9221 F, Detection)	not found	not found	negative
Sample Condition		Observation	Clear	Clear	

Remark : 1. SM 2023 : Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24<sup>th</sup> ed., 2023

2. a : Notification of the Ministry of Public Health, No. 284 , B.E. 2547 (2004) on "Drinking Water in Sealed Container" (No.5)

( Included No. 135 , B.E. 2534 (1991) and No. 61, B.E. 2524 (1981))

10/04/2024

10/04/2024

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



## Analysis/Test Report

Customer Name : Centara Grand Mirage Beach Resort Pattaya

Address : 277 Moo 5, Naklua, Banglamung, Pattaya, Chonburi 20150, Thailand

Sampling Site : Centara Grand (Pattaya)

Sample Type : Ice

Sampling by : Test Tech Co., Ltd.

Sampling Method : Grab

Sampling Date : 03/04/2024

Sampling Time : 10:30 AM

Received Date : 03/04/2024

Analytical Date : 03 - 08/04/2024

Report Date : 10/04/2024

Report No. : R08517/67

Parameters	Unit	Method	TW07807 /67	TW07808 /67	Standard <sup>a</sup>
			Flames	Oasis Kitchen (Flake)	
Coliform Bacteria <i>E. coli</i>	MPN/100 mL /100 mL	SM 2023 (9221 B) SM 2023 (9221 F, Detection)	< 1.1 not found	< 1.1 not found	< 2.2 negative
Sample Condition		Observation	Clear	Clear	

Remark : 1. SM 2023 : Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24<sup>th</sup> ed., 20232. a : Notification of the Ministry of Public Health, No. 284 , B.E. 2547 (2004) on "Drinking Water in Sealed Container" (No.5)  
( Included No. 135 , B.E. 2534 (1991) and No. 61, B.E. 2524 (1981))

10/04/2024

10/04/2024

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## Analysis/Test Report

Customer Name : Centara Grand Mirage Beach Resort Pattaya

Address : 277 Moo 5, Naklua, Banglamung, Pattaya, Chonburi 20150, Thailand

Sampling Site : Centara Grand (Pattaya)

Sample Type : Swimming Water

Sampling by : Test Tech Co., Ltd.

Sampling Method : Grab

Sampling Date : 03/04/2024

Sampling Time : 10:30 AM

Received Date : 03/04/2024

Analytical Date : 03 - 08/04/2024

Report Date : 10/04/2024

Report No. : R08518/67

Parameters	Unit	Method	TW07809 /67	TW07810 /67	Standard <sup>a</sup>
			Main Pool	Lab Pool	
pH (25°C)	-	Based on SM 2023 (4500-H <sup>+</sup> B)	7.4	7.6	7.2-8.4
Residual Chlorine	mg/L as Cl <sub>2</sub>	DPD Colorimetric	0.89	0.87	0.6-1.0
Sample Condition			Clear	Clear	

Remark : 1. SM 2023 : Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24<sup>th</sup> ed., 2023

2. a : Bangkok Metropolitan Administration published in the Royal Government Gazette, Vol.104, Part 205, dated October 14, B.E.2530 (1987)

10/04/2024

10/04/2024

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## Analysis/Test Report

Customer Name : Centara Grand Mirage Beach Resort Pattaya

Address : 277 Moo 5, Naklua, Banglamung, Pattaya, Chonburi 20150, Thailand

Sampling Site : Centara Grand (Pattaya)

Sample Type : Swimming Water

Sampling by : Test Tech Co., Ltd.

Sampling Method : Grab

Sampling Date : 03/04/2024

Sampling Time : 10:30 AM

Received Date : 03/04/2024

Analytical Date : 03 - 08/04/2024

Report Date : 10/04/2024

Report No. : R08519/67

Parameters	Unit	Method	TW07809 /67	TW07810 /67	Standard <sup>a</sup>
			Main Pool	Lab Pool	
Coliform Bacteria	MPN/100 mL	SM 2023 (9221 B)	< 1.8	< 1.8	< 10
<i>E. coli</i>	/100 mL	SM 2023 (9221 F, Detection)	not found	not found	negative
Sample Condition		Observation	Clear	Clear	

Remark : 1. SM 2023 : Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24<sup>th</sup> ed., 2023

2. a : Bangkok Metropolitan Administration published in the Royal Government Gazette, Vol.104, Part 205, dated October 14,

B.E.2530 (1987)

10/04/2024

10/04/2024

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## Analysis/Test Report

Customer Name : Centara Grand Mirage Beach Resort Pattaya

Address : 277 Moo 5, Naklua, Banglamung, Pattaya, Chonburi 20150, Thailand

Sampling Site : Centara Grand (Pattaya)

Sample Type : Swimming Water

Sampling by : Test Tech Co., Ltd.

Sampling Method : Grab

Sampling Date : 03/04/2024

Sampling Time : 10:30 AM

Received Date : 03/04/2024

Analytical Date : 03 - 08/04/2024

Report Date : 10/04/2024

Report No. : R08520/67

Parameters	Unit	Method	TW07811 /67	TW07812 /67	Standard <sup>a</sup>
			Lazy Pool	18 <sup>th</sup> Flr Pool	
pH (25°C)	-	Based on SM 2023 (4500-H <sup>+</sup> B)	7.3	7.4	7.2-8.4
Residual Chlorine	mg/L as Cl <sub>2</sub>	DPD Colorimetric	0.81	0.82	0.6-1.0
Sample Condition		Observation	Clear	Clear	

Remark : 1. SM 2023 : Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24<sup>th</sup> ed., 2023

2. a : Bangkok Metropolitan Administration published in the Royal Government Gazette, Vol.104, Part 205, dated October 14, B.E.2530 (1987)

10/04/2024

10/04/2024

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## Analysis/Test Report

Customer Name : Centara Grand Mirage Beach Resort Pattaya

Address : 277 Moo 5, Naklua, Banglamung, Pattaya, Chonburi 20150, Thailand

Sampling Site : Centara Grand (Pattaya)

Sample Type : Swimming Water

Sampling by : Test Tech Co., Ltd.

Sampling Method : Grab

Sampling Date : 03/04/2024

Sampling Time : 10:30 AM

Received Date : 03/04/2024

Analytical Date : 03 - 08/04/2024

Report Date : 10/04/2024

Report No. : R08521/67

Parameters	Unit	Method	TW07811 /67	TW07812 /67	Standard <sup>a</sup>
			Lazy Pool	18 <sup>th</sup> Flr Pool	
Coliform Bacteria	MPN/100 mL	SM 2023 (9221 B)	< 1.8	< 1.8	< 10
<i>E. coli</i>	/100 mL	SM 2023 (9221 F, Detection)	not found	not found	negative
Sample Condition		Observation	Clear	Clear	

Remark : 1. SM 2023 : Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24<sup>th</sup> ed., 20232. a : Bangkok Metropolitan Administration published in the Royal Government Gazette, Vol.104 ,Part 205,dated October 14,  
B.E.2530 (1987)

10/04/2024

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