



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 : 14/06/2023

Sampling Time : 11:40 AM

Received Date : 14/06/2023

Analytical Date : 14 - 26/06/2023

Report Date : 27/06/2023

Report No. : R14836/66

Parameters	Unit	Method	TW13311 /66	TW13312 /66	TW13313 /66	Standard ^a
			Water in Storage Tank	Soft Water System (Main Point)	Hot Water System (Main Point)	
pH (25°C) [#]	-	Based on SM 2017 (4500-H ⁺ B)	7.5	7.3	7.3	6.5-8.5
Turbidity [#]	NTU	SM 2017 (2130 B)	< 0.50	< 0.50	< 0.50	5
Conductivity [#]	uS/cm	SM 2017 (2510 B)	334	336	334	-
* Dissolved Solids	mg/L as NaCl	Electrical Conductivity	200	202	200	1000
Total Hardness [@]	mg/L as CaCO ₃	SM 2017 (2340 C)	80	82	80	300
Chloride [@]	mg/L as Cl ⁻	SM 2017 (4500-Cl ⁻ B)	42	42	36	250
Total Iron [#]	mg/L as Fe	SM 2017 (3500-Fe B)	0.33	< 0.10	< 0.10	0.3
Manganese [#]	mg/L	SM 2017 (3500-Mn B)	< 0.04	< 0.04	< 0.04	0.1
Nitrate [#]	mg/L as NO ₃ ⁻	SM 2017 (4500-NO ₃ ⁻ E)	1.01	1.04	1.12	50
Sulfate [#]	mg/L as SO ₄ ²⁻	Based on SM 2017 (4500-SO ₄ ²⁻ E)	35.52	36.12	37.32	250
Sample Condition		Observation	Clear	Clear	Clear	

Remark : 1. SM 2017 : Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017

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.



Analyst

27/06/2023

Technical Manager

27/06/2023

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Sample Type : Usage Water

Sampling by : Test Tech Co., Ltd.

Sampling Method : Grab

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Analytical Date : 14 - 26/06/2023

Report Date : 27/06/2023

Report No. : R14837/66

Parameters	Unit	Method	TW13311 /66	TW13312 /66	TW13313 /66	Standard ^a
			Water in Storage Tank	Soft Water System (Main Point)	Hot Water System (Main Point)	
Coliform Bacteria	MPN/100 mL	SM 2017 (9221 B)	< 1.1	< 1.1	< 1.1	not found
<i>E. coli</i>	/100 mL	SM 2017 (9221 F, Detection)	not found	not found	not found	not found
Sample Condition		Observation	Clear	Clear	Clear	

Remark : 1. SM 2017 : Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017

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

3. Coliform Bacteria < 1.1 MPN/100 mL is meaning not found

Analyst

27/06/2023

Technical Manager

27/06/2023

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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 : 14/06/2023

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Report Date : 27/06/2023

Report No. : R14838/66

Parameters	Unit	Method	TW13314 /66	TW13315 /66	Standard ^a
			Guest Room Cold Water (North A 1033)	Guest Room Cold Water (South A 1736)	
pH (25°C) [#]	-	Based on SM 2017 (4500-H ⁺ B)	7.6	7.6	6.5-8.5
Turbidity [#]	NTU	SM 2017 (2130 B)	< 0.50	< 0.50	5
Conductivity [#]	uS/cm	SM 2017 (2510 B)	335	334	-
* Dissolved Solids	mg/L as NaCl	Electrical Conductivity	201	200	1000
Total Hardness [@]	mg/L as CaCO ₃	SM 2017 (2340 C)	80	82	300
Chloride [@]	mg/L as Cl ⁻	SM 2017 (4500-Cl ⁻ B)	42	40	250
Total Iron [#]	mg/L as Fe	SM 2017 (3500-Fe B)	< 0.10	< 0.10	0.3
Manganese [#]	mg/L	SM 2017 (3500-Mn B)	0.05	0.06	0.1
Nitrate [#]	mg/L as NO ₃ ⁻	SM 2017 (4500-NO ₃ ⁻ E)	0.94	0.86	50
Sulfate [#]	mg/L as SO ₄ ²⁻	Based on SM 2017 (4500-SO ₄ ²⁻ E)	35.52	36.72	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 : 14/06/2023

Sampling Time : 11:40 AM

Received Date : 14/06/2023

Analytical Date : 14 - 26/06/2023

Report Date : 27/06/2023

Report No. : R14839/66

Parameters	Unit	Method	TW13314 /66	TW13315 /66	Standard ^a
			Guest Room Cold Water (North A 1033)	Guest Room Cold Water (South A 1736)	
Coliform Bacteria	MPN/100 mL	SM 2017 (9221 B)	< 1.1	< 1.1	not found
<i>E. coli</i>	/100 mL	SM 2017 (9221 F, Detection)	not found	not found	not found
Sample Condition		Observation	Clear	Clear	

Remark : 1. SM 2017 : Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017

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

3. Coliform Bacteria < 1.1 MPN/100 mL is meaning not found



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27/06/2023



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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 : 14/06/2023

Sampling Time : 11:40 AM

Received Date : 14/06/2023

Analytical Date : 14 - 26/06/2023

Report Date : 27/06/2023

Report No. : R14840/66

Parameters	Unit	Method	TW13316 /66	TW13317 /66	Standard ^a
			Guest Room Hot Water (North A 1033)	Guest Room Hot Water (South A 1736)	
pH (25°C) [#]	-	Based on SM 2017 (4500-H ⁺ B)	7.4	7.4	6.5-8.5
Turbidity [#]	NTU	SM 2017 (2130 B)	< 0.50	< 0.50	5
Conductivity [#]	uS/cm	SM 2017 (2510 B)	335	333	-
* Dissolved Solids	mg/L as NaCl	Electrical Conductivity	201	200	1000
Total Hardness [@]	mg/L as CaCO ₃	SM 2017 (2340 C)	80	80	300
Chloride [@]	mg/L as Cl ⁻	SM 2017 (4500-Cl ⁻ B)	41	40	250
Total Iron [#]	mg/L as Fe	SM 2017 (3500-Fe B)	< 0.10	< 0.10	0.3
Manganese [#]	mg/L	SM 2017 (3500-Mn B)	0.06	0.06	0.1
Nitrate [#]	mg/L as NO ₃ ⁻	SM 2017 (4500-NO ₃ ⁻ E)	0.96	0.90	50
Sulfate [#]	mg/L as SO ₄ ²⁻	Based on SM 2017 (4500-SO ₄ ²⁻ E)	35.82	37.62	250
Sample Condition		Observation	Clear	Clear	

Remark : 1. SM 2017 : Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017

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

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27/06/2023

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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 : 14/06/2023

Sampling Time : 11:40 AM

Received Date : 14/06/2023

Analytical Date : 14 - 26/06/2023

Report Date : 27/06/2023

Report No. : R14841/66

Parameters	Unit	Method	TW13316 /66	TW13317 /66	Standard ^a
			Guest Room Hot Water (North A 1033)	Guest Room Hot Water (South A 1736)	
Coliform Bacteria	MPN/100 mL	SM 2017 (9221 B)	< 1.1	< 1.1	not found
<i>E. coli</i>	/100 mL	SM 2017 (9221 F, Detection)	not found	not found	not found
Sample Condition		Observation	Clear	Clear	

Remark : 1. SM 2017 : Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017

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

3. Coliform Bacteria < 1.1 MPN/100 mL is meaning not found



Analyst

27/06/2023



Technical Manager

27/06/2023

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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 : 14/06/2023

Sampling Time : 11:40 AM

Received Date : 14/06/2023

Analytical Date : 14 - 26/06/2023

Report Date : 27/06/2023

Report No. : R14842/66

Parameters	Unit	Method	TW13318 /66	Standard ^a (Cooling Water)
			Cooling Water	
pH (25°C) [#]	-	Based on SM 2017 (4500-H ⁺ B)	8.5	8.5 - 9.5
Conductivity [#]	uS/cm	SM 2017 (2510 B)	1756	< 2500
* Dissolved Solids	mg/L as NaCl	Electrical Conductivity	1054	< 2000
* P-Alkalinity	mg/L as CaCO ₃	Titration	10	-
* M-Alkalinity	mg/L as CaCO ₃	Titration	90	-
Total Hardness [@]	mg/L as CaCO ₃	SM 2017 (2340 C)	305	< 100
Chloride [@]	mg/L as Cl ⁻	SM 2017 (4500-Cl ⁻ B)	297	< 400
Total Iron [#]	mg/L as Fe	SM 2017 (3500-Fe B)	< 0.10	< 1.0
Manganese [#]	mg/L	SM 2017 (3500-Mn B)	0.04	-
* Sulfate	mg/L as SO ₄ ²⁻	Based on SM 2017 (4500-SO ₄ ²⁻ E)	263	-
* Silica	mg/L as SiO ₂	SM 2017 (4500-SiO ₂ C)	18.73	-
* Total Phosphorus	mg/L as P	Stannous Chloride	0.02	-
Sample Condition		Observation	Light Yellow, Clear	

Remark : 1. SM 2017 : Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017

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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



Analyst

27/06/2023

Technical Manager

27/06/2023

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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 : 14/06/2023

Sampling Time : 11:40 AM

Received Date : 14/06/2023

Analytical Date : 14 - 26/06/2023

Report Date : 27/06/2023

Report No. : R14843/66

Parameters	Unit	Method	TW13318 /66
			Cooling Water
<i>Legionella spp.</i>	CFU/L	ISO 11731 : 2017	not detected
Sample Condition		Observation	Light Yellow, Clear

Analyst

27/06/2023

Technical Manager

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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 : 14/06/2023

Sampling Time : 11:40 AM

Received Date : 14/06/2023

Analytical Date : 14 - 26/06/2023

Report Date : 27/06/2023

Report No. : R14844/66

Parameters	Unit	Method	TW13319 /66	Standard ^a (Chilled Water)
			Chilled Water	
* pH (25°C)	-	Based on SM 2017 (4500-H ⁺ B)	10.4	7.5 - 9.5
Conductivity [#]	uS/cm	SM 2017 (2510 B)	854	-
* Dissolved Solids	mg/L as NaCl	Electrical Conductivity	512	-
* P-Alkalinity	mg/L as CaCO ₃	Titration	130	-
* M-Alkalinity	mg/L as CaCO ₃	Titration	235	-
* Total Hardness	mg/L as CaCO ₃	SM 2017 (2340 C)	9	-
Chloride [@]	mg/L as Cl ⁻	SM 2017 (4500-Cl ⁻ B)	42	-
Total Iron [#]	mg/L as Fe	SM 2017 (3500-Fe B)	0.53	< 1.0
Manganese [#]	mg/L	SM 2017 (3500-Mn B)	< 0.04	-
Sulfate [#]	mg/L as SO ₄ ²⁻	Based on SM 2017 (4500-SO ₄ ²⁻ E)	39.43	-
Silica [#]	mg/L as SiO ₂	SM 2017 (4500-SiO ₂ C)	4.37	-
* Nitrite	mg/L as NO ₂ ⁻	SM 2017 (4500-NO ₂ ⁻ B)	30.40	500 - 1000
Sample Condition		Observation	Clear	

Remark : 1. SM 2017 : Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017

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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 (Chilled Water)

Analyst

27/06/2023

Technical Manager

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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 : 14/06/2023

Sampling Time : 11:40 AM

Received Date : 14/06/2023

Analytical Date : 14 - 19/06/2023

Report Date : 21/06/2023

Report No. : R14260/66

Parameters	Unit	Method	TW13320 /66	TW13321 /66	TW13322 /66	Standard ^a
			Drinking Water (Canteen)	Drinking Water (Oasis Kitchen)	Drinking Water (Guest Room 1033)	
pH (25°C) [#]	-	Based on SM 2017 (4500-H ⁺ B)	7.3	7.5	7.2	6.5-8.5
Turbidity [#]	NTU	SM 2017 (2130 B)	< 0.50	< 0.50	< 0.50	≤ 5.0
Conductivity [#]	uS/cm	SM 2017 (2510 B)	331	332	334	-
* Dissolved Solids	mg/L as NaCl	Electrical Conductivity	199	199	200	-
Total Hardness [@]	mg/L as CaCO ₃	SM 2017 (2340 C)	80	73	80	≤ 100.0
Chloride [@]	mg/L as Cl ⁻	SM 2017 (4500-Cl ⁻ B)	34	38	40	≤ 250.0
Total Iron [#]	mg/L as Fe	SM 2017 (3500-Fe B)	< 0.10	< 0.10	< 0.10	≤ 0.3
Manganese [#]	mg/L	SM 2017 (3500-Mn B)	0.05	0.05	0.05	≤ 0.05
Nitrate Nitrogen [#]	mg/L as NO ₃ -N	SM 2017 (4500-NO ₃ ⁻ E)	0.22	0.22	0.18	≤ 4.0
Sulfate [#]	mg/L as SO ₄ ²⁻	Based on SM 2017 (4500-SO ₄ ²⁻ E)	37.93	37.62	37.32	≤ 250.0
Sample Condition		Observation	Clear	Clear	Clear	

- Remark : 1. SM 2017 : Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017
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))

Analyst

21/06/2023

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Sampling Site : Centara Grand (Pattaya)

Sample Type : Drinking Water

Sampling by : Test Tech Co., Ltd.

Sampling Method : Grab

Sampling Date : 14/06/2023

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Report Date : 21/06/2023

Report No. : R14261/66

Parameters	Unit	Method	TW13320 /66	TW13321 /66	TW13322 /66	Standard ^a
			Drinking Water (Canteen)	Drinking Water (Oasis Kitchen)	Drinking Water (Guest Room 1033)	
Coliform Bacteria	MPN/100 mL	SM 2017 (9221 B)	< 1.1	< 1.1	< 1.1	< 2.2
<i>E. coli</i>	/100 mL	SM 2017 (9221 F, Detection)	not found	not found	not found	negative
Sample Condition		Observation	Clear	Clear	Clear	

Remark : 1. SM 2017 : Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 20172. 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))

Analyst

21/06/2023

Technical Manager

21/06/2023

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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 : 14/06/2023

Sampling Time : 11:40 AM

Received Date : 14/06/2023

Analytical Date : 14 - 19/06/2023

Report Date : 20/06/2023

Report No. : R14205/66

Parameters	Unit	Method	TW13323 /66	TW13324 /66	Standard ^a
			Main Pool	Lab Pool	
pH (25°C)	-	Based on SM 2017 (4500-H ⁺ B)	7.5	7.6	7.2-8.4
Residual Chlorine	mg/L as Cl ₂	DPD Colorimetric	0.97	0.91	0.6-1.0
Sample Condition		Observation	Clear	Clear	

Remark : 1. SM 2017 : Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017

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



Analyst

20/06/2023



Technical Manager

20/06/2023

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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 : 14/06/2023

Sampling Time : 11:40 AM

Received Date : 14/06/2023

Analytical Date : 14 - 19/06/2023

Report Date : 20/06/2023

Report No. : R14206/66

Parameters	Unit	Method	TW13323 /66	TW13324 /66	Standard ^a
			Main Pool	Lab Pool	
Coliform Bacteria	MPN/100 mL	SM 2017 (9221 B)	< 1.8	< 1.8	< 10
<i>E. coli</i>	/100 mL	SM 2017 (9221 F, Detection)	not found	not found	negative
Sample Condition		Observation	Clear	Clear	

Remark : 1. SM 2017 : Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017

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



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Sampling Site : Centara Grand (Pattaya)

Sample Type : Swimming Water

Sampling by : Test Tech Co., Ltd.

Sampling Method : Grab

Sampling Date : 14/06/2023

Sampling Time : 11:40 AM

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Analytical Date : 14 - 19/06/2023

Report Date : 20/06/2023

Report No. : R14207/66

Parameters	Unit	Method	TW13325 /66	TW13326 /66	Standard ^a
			Lazy Pool	18 th Flr Pool	
pH (25°C)	-	Based on SM 2017 (4500-H ⁺ B)	7.6	7.4	7.2-8.4
Residual Chlorine	mg/L as Cl ₂	DPD Colorimetric	0.93	0.98	0.6-1.0
Sample Condition		Observation	Clear	Clear	

Remark : 1. SM 2017 : Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017

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

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Sampling Site : Centara Grand (Pattaya)

Sample Type : Swimming Water

Sampling by : Test Tech Co., Ltd.

Sampling Method : Grab

Sampling Date : 14/06/2023

Sampling Time : 11:40 AM

Received Date : 14/06/2023

Analytical Date : 14 - 19/06/2023

Report Date : 20/06/2023

Report No. : R14208/66

Parameters	Unit	Method	TW13325 /66	TW13326 /66	Standard ^a
			Lazy Pool	18 th Flr Pool	
Coliform Bacteria	MPN/100 mL	SM 2017 (9221 B)	< 1.8	< 1.8	< 10
<i>E. coli</i>	/100 mL	SM 2017 (9221 F, Detection)	not found	not found	negative
Sample Condition		Observation	Clear	Clear	

Remark : 1. SM 2017 : Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017

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

Analyst

20/06/2023

Technical Manager

20/06/2023

Reported results refer to the sample as received only.

Test report shall not be reproduced except in full, without written approved of the laboratory.

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 : 14/06/2023

Sampling Time : 11:40 AM

Received Date : 14/06/2023

Analytical Date : 14 - 19/06/2023

Report Date : 21/06/2023

Report No. : R14262/66

Parameters	Unit	Method	TW13327 /66	TW13328 /66	Standard ^a
			Canteen (Cube)	Banquet (Flake)	
Coliform Bacteria	MPN/100 mL	SM 2017 (9221 B)	< 1.1	< 1.1	< 2.2
<i>E. coli</i>	/100 mL	SM 2017 (9221 F, Detection)	not found	not found	negative
Sample Condition		Observation	Clear	Clear	

Remark : 1. SM 2017 : Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 20172. 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))

Analyst

21/06/2023

Technical Manager

21/06/2023

Reported results refer to the sample as received only.

Test report shall not be reproduced except in full, without written approved of the laboratory.

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 : 14/06/2023

Sampling Time : 11:40 AM

Received Date : 14/06/2023

Analytical Date : 14 - 19/06/2023

Report Date : 21/06/2023

Report No. : R14263/66

Parameters	Unit	Method	TW13329 /66	TW13330 /66	Standard ^a
			Flames	Oasis Kitchen (Flake)	
Coliform Bacteria	MPN/100 mL	SM 2017 (9221 B)	< 1.1	< 1.1	< 2.2
<i>E. coli</i>	/100 mL	SM 2017 (9221 F, Detection)	not found	not found	negative
Sample Condition		Observation	Clear	Clear	

Remark : 1. SM 2017 : Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 20172. 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))

Analyst

21/06/2023

Technical Manager

21/06/2023

Reported results refer to the sample as received only.

Test report shall not be reproduced except in full, without written approved of the laboratory.



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 : Waste Water

Sampling by : Test Tech Co., Ltd.

Sampling Method : Grab

Sampling Date : 14/06/2023

Sampling Time : 11:40 AM

Received Date : 14/06/2023

Analytical Date : 14 - 21/06/2023

Report Date : 22/06/2023

Report No. : R14349/66

Parameters	Unit	Method	TW13331 /66	Standard ^a
			Effluent	
pH	-	SM 2017 (4500-H ⁺ B)	6.7	-
BOD	mg/L	SM 2017 (5210 B, 4500-O G)	318	≤ 1000
Total Suspended Solids	mg/L	SM 2017 (2540 D)	128	-
* Oil & Grease	mg/L	SM 2017 (5520 D)	93.8	-
Sample Condition		Observation	Light Yellow, Cloud	

Remark : 1. SM 2017 : Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23rd ed., 2017

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

3. a : ประกาศคณะกรรมการสิ่งแวดล้อมแห่งชาติ ฉบับที่ 22 (พ.ศ. 2544) เรื่อง กำหนดอัตราค่าบริการบำบัดน้ำเสียของระบบบำบัดน้ำเสียรวมเมืองพัทยา



Analyst

22/06/2023

Technical Manager

22/06/2023

Reported results refer to the sample as received only.

Test report shall not be reproduced except in full, without written approved of the laboratory.