

Water Quality Test Result of Drinking Water Fountain

Building	Location	Sampling Date	Results							
			Cold water					Hot water		
			Turbidity (NTU)	pH value	Traceable metal of Lead (µg/L)	Coliform bacteria (mpn/100ml)	Escherichia coli (mpn/100ml)	Turbidity (NTU)	pH value	Traceable metal of Lead (µg/L)
W32	G015	28/04/2025 & 12/05/2025	0.09	7.49	< 0.07	0	0	0.12	7.64	< 0.07
	1023		0.15	7.50	< 0.07	0	0	0.14	7.62	0.13
	1053		0.17	7.48	< 0.07	0	0	0.15	7.66	< 0.07
	2023		0.16	7.53	< 0.07	0	0	0.13	7.65	< 0.07
	2053		0.19	7.53	0.14	0	0	0.16	7.65	< 0.07
	3023		0.10	7.55	< 0.07	0	0	0.10	7.61	< 0.07
	3053		0.12	7.64	< 0.07	0	0	0.11	7.69	< 0.07
	4023		0.11	7.57	< 0.07	0	0	0.11	7.57	< 0.07
	4053		0.11	7.59	< 0.07	0	0	0.09	7.65	< 0.07
	5023		0.10	7.56	< 0.07	0	0	0.10	7.63	0.11
	5053		0.10	7.62	< 0.07	0	0	0.08	7.62	< 0.07
	6023		0.10	7.73	< 0.07	0	0	0.10	7.65	< 0.07
	6053		0.09	7.71	< 0.07	0	0	0.10	7.64	< 0.07
	7013		0.09	7.69	< 0.07	0	0	0.10	7.60	< 0.07

Reference standard: Instruções sobre escolha e instalação de dispensadores de água por ligação directa, Environmental Protection Bureau, Government of Macao, S.A.R.

Turbidity: ≤ 0.5 NTU; pH value: 6.00 - 8.50; Traceable metal of Lead: ≤ 0.01 mg/L (10 μ g/L); Coliform bacteria: Not detected; Escherichia coli: Not detected

Water Quality Test Result of Edible Ice				
Location	Sampling Date	Results		
		Aerobic colony count (cfu/ml)	Coliform bacteria (mpn/100ml)	Escherichia coli (mpn/100ml)
Café Fantasy (S8) (Loose ice)	14/04/2025	66	0	0
Chopsticks (S8) (Loose ice)		15	2	0
F&B (S8) (Loose ice)		8	0	0
Circle K (S24) (Loose ice)		1	0	0
Café Rose Garden (E2) (Loose ice)	22/04/2025	270	0	0
7-Eleven (E6) (Packaged ice)		3	0	0
Next Kitchen (E6) (Loose ice)		3	0	0
Élysée (N1) (Loose ice)		14	0	0
Grand Plaza (N1) (Loose ice)		130	0	0
		69	3.1	0
Azucar (N21) (Loose ice)		2	0	0
Circle K (N22) (Loose ice)		44	0	0
Reference standard: Microbiological Guidelines for Ready-to-eat Food, Department of Food Safety, Municipal Affairs Bureau, Government of Macao, S.A.R.				
Packaged ice: Aerobic colony count: <500 cfu/ml; Coliform bacteria: Not detected in 100ml; Escherichia coli: Not detected in 100ml				
Loose ice: Aerobic colony count: <1,000 cfu/ml; Coliform bacteria: <100 cfu/100ml; Escherichia coli: Not detected in 100ml				

Water Quality Test Result of Swimming Pool

Building	N8
Location	Swimming pool
Sampling Date	08/04/2025
pH Value	8.21
Turbidity (NTH)	0.19
Ammonia Nitrogen (mg/L)	<0.01
Free Chlorine (mg/L)	1.67
Ozone (mg/L)	0.03
Total count of Bacteria (cfu/ml)	<1
Total Coliform (mpn/100ml)	<1
Escherichia coli (mpn/100ml)	<1

Reference standard: The guideline on swimming pool, Health Bureau, Government of Macao, S.A.R.

pH Value: 6.5-8.5; Turbidity, NTH: ≤ 1 ; Ammonia Nitrogen, mg/L NH_4 : <0.5;

Free Chlorine, mg/L Cl_2 : 0.5-2.0; Ozone, mg/L O_3 : <0.1;

Total count of Bacteria (35 ° C), /ml: <200; Total Coliform (35 ° C), 100/ml: <20;

Escherichia coli (35 ° C), 100/ml: <1

Water Quality Test Result of Artificial Lake	
Water Temperature	25.5°C
Dissolved Oxygen	8.2 mg/L
pH	7.8
Ammonia Nitrogen	0.15 mg/L
Nitrite Nitrogen	0.05 mg/L
Nitrate Nitrogen	1.2 mg/L
Total Nitrogen	1.4 mg/L
Total Phosphorus	0.08 mg/L
Chlorophyll a	1.5 µg/L
Secchi Disk Depth	1.2 m
Water Transparency	1.5 m
Water Color	15 PCU
Water Turbidity	1.2 NTU
Water Conductivity	150 µS/cm
Water Hardness	150 mg/L
Water Total Solids	150 mg/L
Water Total Suspended Solids	150 mg/L
Water Total Dissolved Solids	150 mg/L
Water Total Hardness	150 mg/L
Water Total Alkalinity	150 mg/L
Water Total Acidity	150 mg/L
Water Total Chloride	150 mg/L
Water Total Sulfate	150 mg/L
Water Total Calcium	150 mg/L
Water Total Magnesium	150 mg/L
Water Total Iron	150 mg/L
Water Total Manganese	150 mg/L
Water Total Zinc	150 mg/L
Water Total Copper	150 mg/L
Water Total Lead	150 mg/L
Water Total Cadmium	150 mg/L
Water Total Chromium	150 mg/L
Water Total Nickel	150 mg/L
Water Total Cobalt	150 mg/L
Water Total Molybdenum	150 mg/L
Water Total Selenium	150 mg/L
Water Total Tellurium	150 mg/L
Water Total Barium	150 mg/L
Water Total Strontium	150 mg/L
Water Total Bismuth	150 mg/L
Water Total Antimony	150 mg/L
Water Total Arsenic	150 mg/L
Water Total Boron	150 mg/L
Water Total Fluorine	150 mg/L
Water Total Iodine	150 mg/L
Water Total Bromine	150 mg/L
Water Total Chlorine	150 mg/L
Water Total Oxygen	150 mg/L
Water Total Hydrogen	150 mg/L
Water Total Carbon	150 mg/L
Water Total Nitrogen	150 mg/L
Water Total Phosphorus	150 mg/L
Water Total Sulfur	150 mg/L
Water Total Silicon	150 mg/L
Water Total Aluminum	150 mg/L
Water Total Potassium	150 mg/L
Water Total Sodium	150 mg/L
Water Total Magnesium	150 mg/L
Water Total Calcium	150 mg/L
Water Total Iron	150 mg/L
Water Total Manganese	150 mg/L
Water Total Zinc	150 mg/L
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Water Total Bromine	150 mg/L
Water Total Chlorine	150 mg/L
Water Total Oxygen	150 mg/L
Water Total Hydrogen	150 mg/L
Water Total Carbon	150 mg/L
Water Total Nitrogen	150 mg/L
Water Total Phosphorus	150 mg/L
Water Total Sulfur	150 mg/L
Water Total Silicon	150 mg/L
Water Total Aluminum	150 mg/L
Water Total Potassium	150 mg/L
Water Total Sodium	150 mg/L
Water Total Magnesium	150 mg/L
Water Total Calcium	150 mg/L
Water Total Iron	150 mg/L
Water Total Manganese	150 mg/L
Water Total Zinc	150 mg/L
Water Total Copper	150 mg/L
Water Total Lead	150 mg/L
Water Total Cadmium	150 mg/L
Water Total Chromium	150 mg/L
Water Total Nickel	150 mg/L
Water Total Cobalt	150 mg/L
Water Total Molybdenum	150 mg/L
Water Total Selenium	150 mg/L
Water Total Tellurium	150 mg/L
Water Total Barium	150 mg/L
Water Total Strontium	150 mg/L
Water Total Bismuth	150 mg/L
Water Total Antimony	150 mg/L
Water Total Arsenic	150 mg/L
Water Total Boron	150 mg/L
Water Total Fluorine	150 mg/L
Water Total Iodine	150 mg/L
Water Total Bromine	150 mg/L
Water Total Chlorine	150 mg/L
Water Total Oxygen	150 mg/L
Water Total Hydrogen	150 mg/L
Water Total Carbon	150 mg/L
Water Total Nitrogen	150 mg/L
Water Total Phosphorus	150 mg/L
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Water Total Barium	150 mg/L
Water Total Strontium	150 mg/L
Water Total Bismuth	150 mg/L
Water Total Antimony	150 mg/L
Water Total Arsenic	150 mg/L
Water Total Boron	150 mg/L
Water Total Fluorine</	

Location	Sampling Date	Results								
		Chemical Oxygen	Ammonia	Total Phosphorus	Total Nitrogen	Dissolved Oxygen	pH Value	Total Coliform	Escherichia coli	Fecal Coliform
		Demand (mg/L)	Nitrogen (mg/L)	(mg/L)	(mg/L)	(mg/L)		(mpn/100mL)	(mpn/100mL)	(mpn/100mL)
1. 靜止湖水	07/04/2025	16	0.04	< 0.02	1.0	7.57	8.25	686.7	9.4	25.6
2. 湖中心		6	< 0.02	< 0.02	0.1	8.47	8.15	166.4	1.0	5.2
3. 死角位置		12	0.03	< 0.02	0.6	7.38	8.06	24.6	< 1.0	1.0
4. 親水護岸區		12	0.02	< 0.02	0.5	7.63	8.19	866.4	2.0	7.4
5. 死角位置		19	0.03	< 0.02	1.5	7.52	8.15	3010.0	2.0	2.0
6. 湖中心		17	0.02	< 0.02	0.1	7.75	8.25	549.3	15.8	30.1
7. 死角位置		24	0.07	< 0.02	0.9	8.11	8.76	1986.3	157.6	461.1
8. 排洪閘		13	0.06	< 0.02	0.9	8.06	8.66	3130.0	7.5	18.5
9. 雨水排入處		17	0.06	< 0.02	1.7	8.13	8.16	1990.0	648.8	1046.2
10. 雨水排入處		18	0.09	< 0.02	0.7	7.31	8.15	2720.0	58.1	365.4
11. 雨水排入處		19	0.29	< 0.02	1.9	8.13	8.71	360.9	41.4	74.3
12. 雨水排入處		11	0.06	< 0.02	0.2	7.17	8.52	816.4	2.0	30.9
13. 不流通點		19	0.06	< 0.02	0.7	8.71	8.61	1046.2	1.0	13.4
14. 不流通點		20	0.04	< 0.02	3.3	7.31	8.57	727.0	2.0	13.5
15. 水處理泵房		21	0.10	0.26	1.5	7.61	8.53	42.8	< 1.0	2.0
平均值		16	0.07	< 0.02	1.0	7.79	8.38	N/A	N/A	N/A

Reference standard: National Standard of the PRC, State Environmental Protection Administration (2002), Environmental quality standards for surface water (GB 3838-2002).

Chemical Oxygen Demand: $\leq 40\text{mg/L}$; Ammonia Nitrogen: $\leq 2.0\text{mg/L}$; Total Phosphorus: $\leq 0.2\text{mg/L}$; Total Nitrogen: $\leq 2.0\text{mg/L}$; Dissolved Oxygen: $\geq 2\text{mg/L}$; pH Value: 6-9; Fecal Coliform: ≤ 40000 count/L;

Total Coliform and *Escherichia coli*: no quality standard, values are for reference only

