

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	08 & 15/04/2024	0.12	7.57	0.23	0	0	0.15	7.84	0.27
	1053		0.19	7.70	0.21	0	0	0.17	7.78	0.37
	2023		0.12	7.55	0.22	0	0	0.20	7.69	0.23
	2053		0.17	7.60	0.25	0	0	0.19	7.71	0.30
	3023		0.13	7.56	0.23	0	0	0.17	7.69	0.29
	3053		0.11	7.70	0.21	0	0	0.22	7.75	0.26
	4023		0.10	7.66	0.34	0	0	0.30	7.75	0.30
	4053		0.15	7.65	0.43	0	0	0.19	7.76	0.46
	5023		0.11	7.57	0.42	0	0	0.22	7.78	0.35
	5053		0.14	7.57	0.26	0	0	0.14	7.68	0.32
	6023		0.14	7.67	0.19	0	0	0.23	7.70	0.34
	6053		0.25	7.59	0.21	0	0	0.22	7.65	0.44
	7013		0.14	7.66	0.25	0	0	0.38	7.72	0.25
	W33		G044	15/04/2024	0.07	7.42	0.38	0	0	0.07
1009		0.12	7.57		0.33	0	0	0.08	7.57	0.74
1036		0.17	7.44		0.38	0	0	0.08	7.66	0.68
2009		0.13	7.51		0.27	0	0	0.17	7.73	0.61
2036		0.18	7.58		0.30	0	0	0.07	7.72	0.66
3009		0.14	7.58		0.41	0	0	0.08	7.68	0.56
3036		0.10	7.64		0.34	0	0	0.08	7.64	0.48
4009		0.18	7.57		0.44	0	0	0.07	7.74	0.43
4036		0.10	7.53		0.43	0	0	0.08	7.67	0.70
5009		0.24	7.40		0.48	0	0	0.09	7.58	0.70
5036		0.11	7.44		0.46	0	0	0.07	7.67	0.51
6009		0.09	7.44		0.86	0	0	0.09	7.63	0.84
6036		0.16	7.45		0.72	0	0	0.09	7.58	0.67
7017		0.18	7.30		1.41	0	0	0.12	7.46	1.48
7022	0.18	7.61	1.13	0	0	0.06	7.55	1.42		
W34	G022	22/04/2024	0.99	7.43	< 0.07	0	0	0.07	7.51	0.29
	1019		0.11	7.59	< 0.07	0	0	0.09	7.65	0.08
	1046		0.12	7.47	0.08	0	0	0.08	7.58	0.14
	2019		0.11	7.55	0.10	0	0	0.07	7.63	0.12
	2046		0.12	7.50	0.09	0	0	0.08	7.61	0.18
	3019		0.10	7.52	< 0.07	0	0	0.11	7.69	0.19
	3046		0.10	7.51	< 0.07	0	0	0.07	7.64	0.08
	4019		0.11	7.42	0.09	0	0	0.10	7.60	0.16
	4046		0.12	7.50	< 0.07	0	0	0.07	7.65	0.10
	5019		0.14	7.40	< 0.07	0	0	0.09	7.62	0.10
	5046		0.09	7.45	< 0.07	0	0	0.11	7.59	0.09
	6019		0.09	7.46	0.09	0	0	0.08	7.64	0.29
	6046		0.07	7.45	0.15	0	0	0.08	7.60	0.27
	7019		0.09	7.13	1.11	0	0	0.05	7.65	0.35

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

Turbidity: ≤ 0.5NTU; pH value: 6.00 - 8.50; Traceable metal of Lead: ≤ 0.01mg/L (10µg/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)	<i>Escherichia coli</i> (mpn/100ml)
Heart Tea (S8) (Loose ice)	29/04/2024	0	0	0
F&B (S8) (Loose ice)		0	0	0
Anyone Tea (S8) (Loose ice)		0	0	0
Chopsticks (S8) (Loose ice)		0	0	0
Pizza Hut (S8) (Loose ice)		0	0	0
Circle K (S24) (Loose ice)		0	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	02/04/2024
pH Value	8.26
Turbidity (NTU)	0.15
Ammonia Nitrogen (mg/L)	0.02
Free Chlorine (mg/L)	1.47
Ozone (mg/L)	0.01
Total count of Bacteria (cfu/ml)	<1
Total Coliform (mpn/100ml)	<1
<i>Escherichia coli</i> (mpn/100ml)	<1

Reference standard: Health Bureau guideline

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

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

*Total count of Bacteria: <200 /ml; Total Coliform: <20 /100ml; *Escherichia coli*: <1 /100ml*

Water Quality Test Result of Artificial Lake

Location	Sampling Date	Results								
		Chemical Oxygen	Ammonia	Total Phosphorus	Total Nitrogen	Dissolved Oxygen	pH Value	Total Coliform	<i>Escherichia coli</i>	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	02/04/2024	7	0.07	0.12	0.0	5.51	7.45	1730.0	8.4	75.4
2. 湖中心		5	0.07	0.10	2.2	5.41	7.45	6630.0	19.9	74.9
3. 死角位置		7	0.08	0.08	2.0	5.31	8.02	7030.0	29.2	75.9
4. 親水護岸區		3	0.10	0.10	1.8	5.53	7.71	9870.0	7.4	29.2
5. 死角位置		4	0.09	< 0.02	2.4	5.22	7.51	5210.0	2.0	7.5
6. 湖中心		6	0.09	0.02	2.8	5.12	7.85	2419.6	5.2	5.2
7. 死角位置		14	0.08	0.19	2.1	5.18	7.82	2160.0	14.6	18.9
8. 排洪閘		13	0.23	0.04	3.7	5.26	7.77	3130.0	307.6	410.6
9. 雨水排入處		2	0.09	0.05	3.4	5.23	7.86	4640.0	14.8	45.0
10. 雨水排入處		5	0.09	0.19	3.8	5.32	7.75	3360.0	1.0	55.4
11. 雨水排入處		6	0.10	0.16	0.1	5.31	7.81	4080.0	5.2	27.5
12. 雨水排入處		3	0.09	0.13	1.5	5.37	7.82	4480.0	24.6	80.1
13. 不流通點		3	0.08	0.15	0.2	5.10	8.06	4040.0	4.1	7.5
14. 不流通點		3	0.07	< 0.02	3.4	5.44	7.93	1732.9	1.0	5.1
15. 水處理泵房		8	0.04	0.07	2.1	5.02	8.16	387.3	< 1.0	2.0
平均值		6	0.09	0.11	2.1	5.29	7.80	N/A	N/A	N/A

Reference standard: Environmental quality standards for surface water

Chemical Oxygen Demand: ≤ 40mg/L; Ammonia Nitrogen: ≤ 2.0mg/L; Total Phosphorus: ≤ 0.2mg/L; Total Nitrogen: ≤ 2.0mg/L; Dissolved Oxygen: ≥ 2mg/L; pH Value: 6-9; Fecal Coliform: ≤ 40000 count/L;

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

