

## 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 ( $\mu\text{g/L}$ )	Coliform bacteria (mpn/100ml)	<i>Escherichia coli</i> (mpn/100ml)	Turbidity (NTU)	pH value	Traceable metal of Lead ( $\mu\text{g/L}$ )
E2	G003	02/01/2024	0.10	7.28	< 0.07	0	0	0.07	7.40	< 0.07
	G029		0.09	7.23	0.072	0	0	0.13	7.47	0.208
	1004		0.17	7.28	< 0.07	0	0	0.08	7.52	0.108
	1J05		0.16	7.28	< 0.07	0	0	0.07	7.54	0.214
	2004		0.12	7.26	< 0.07	0	0	0.09	7.54	0.548
	2045		0.11	7.28	< 0.07	0	0	0.11	7.49	0.169
	3005		0.19	7.25	0.496	0	0	0.08	7.51	0.154
	3033		0.15	7.24	0.333	0	0	0.09	7.64	0.235
	4005		0.15	7.25	0.165	0	0	0.08	7.46	0.308
4033	0.14	7.17	0.211	0	0	0.10	7.44	0.382		
E3	GL07	15/01/2024	0.08	7.62	0.082	0	0	0.06	7.32	0.107
	1L07		0.09	7.63	0.172	0	0	0.08	7.59	0.256
	2L07		0.09	7.69	0.229	0	0	0.08	7.71	0.224
	3L07		0.06	7.57	0.291	0	0	0.06	7.69	0.213
	4L05		0.10	7.16	0.459	0	0	0.06	7.72	0.335
E4	GL09	15/01/2024	0.09	7.85	< 0.07	0	0	0.08	7.88	0.151
	1L09		0.08	7.62	0.276	0	0	0.07	7.83	0.198
	3L10		0.05	7.65	0.129	0	0	0.08	7.77	0.145
E5	GL12	15/01/2024	0.06	7.82	0.120	0	0	0.06	7.84	0.264
	1L11		0.06	7.52	0.617	0	0	0.06	7.68	0.220
E6	GL18	15/01/2024	0.07	7.75	0.096	0	0	0.32	7.76	0.199
	1L18		0.07	7.71	0.113	0	0	0.08	7.77	0.140
	2L18		0.06	7.62	0.157	0	0	0.05	7.76	0.157
	3L15		0.07	7.62	0.263	0	0	0.06	7.74	0.183

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

Turbidity:  $\leq 0.5\text{NTU}$ ; pH value: 6.00 - 8.50; Traceable metal of Lead:  $\leq 0.01\text{mg/L}$  (10 $\mu\text{g/L}$ ); Coliform bacteria: Not detected; *Escherichia coli*: Not detected

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			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)
E11	GL04	22/01/2024	0.06	7.96	< 0.07	0	0	0.06	7.90	< 0.07
	1L04		0.06	8.00	< 0.07	0	0	0.07	8.01	< 0.07
	1J02		0.09	8.18	< 0.07	0	0	0.05	8.09	< 0.07
	2L04		0.06	8.01	< 0.07	0	0	0.06	8.08	< 0.07
	3L04		0.07	7.92	< 0.07	0	0	0.06	7.90	< 0.07
	3091		0.06	7.99	< 0.07	0	0	0.05	7.94	< 0.07
E12	GL05	22/01/2024	0.07	8.04	< 0.07	0	0	0.06	7.99	< 0.07
	1058		0.08	7.86	< 0.07	0	0	0.06	7.81	< 0.07
	1L01		0.06	8.09	< 0.07	0	0	0.06	8.09	< 0.07
	3086		0.11	7.62	< 0.07	0	0	0.11	7.72	< 0.07
E21	G045	29/01/2024	0.07	7.85	< 0.07	0	0	0.13	7.81	0.15
	1051		0.10	7.84	0.10	0	0	0.07	7.86	0.10
	3101		0.09	7.80	0.12	0	0	0.14	7.86	0.15
	G004		0.15	8.03	0.13	0	0	0.13	7.95	0.14
	1005		0.12	7.85	< 0.07	0	0	0.15	7.77	0.09
	1028		0.12	7.80	0.32	0	0	0.08	7.93	0.71
	2009		0.14	7.76	0.08	0	0	0.15	7.73	0.15
E22	GL05	29/01/2024	0.13	7.95	< 0.07	0	0	0.16	7.94	0.10
	1L05		0.18	7.87	< 0.07	0	0	0.10	7.96	0.11
	2L05		0.18	7.76	0.35	0	0	0.14	7.90	0.21
	3L05		0.16	7.61	0.44	0	0	0.13	7.77	0.23
	4L05		0.14	7.71	0.25	0	0	0.14	7.80	0.19

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)
Earest (E31) (Loose ice)	29/01/2024	0	0	0
<p><i>Reference standard: Microbiological Guidelines for Ready-to-eat Food, Department of Food Safety, Municipal Affairs Bureau, Government of Macao S.A.R.</i></p> <p><i>Packaged ice: Aerobic colony count: &lt;500 cfu/ml; Coliform bacteria: Not detected in 100ml; Escherichia coli: Not detected in 100ml</i></p> <p><i>Loose ice: Aerobic colony count: &lt;1,000 cfu/ml; Coliform bacteria: &lt;100 cfu/100ml; Escherichia coli: Not detected in 100ml</i></p>				

## Water Quality Test Result of Swimming Pool

<b>Building</b>	N8
<b>Location</b>	Swimming pool
<b>Sampling Date</b>	09/01/2024
<b>pH Value</b>	8.05
<b>Turbidity (NTU)</b>	0.33
<b>Ammonia Nitrogen (mg/L)</b>	0.02
<b>Free Chlorine (mg/L)</b>	1.45
<b>Ozone (mg/L)</b>	0.03
<b>Total count of Bacteria (cfu/ml)</b>	<1
<b>Total Coliform (mpn/100ml)</b>	<1
<b><i>Escherichia coli</i> (mpn/100ml)</b>	<1

*Reference standard: Health Bureau guideline*

*pH Value: 6.5-8.5; Turbidity:  $\leq 1$  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 Demand (mg/L)	Ammonia Nitrogen (mg/L)	Total Phosphorus (mg/L)	Total Nitrogen (mg/L)	Dissolved Oxygen (mg/L)	pH Value	Total Coliform (mpn/100mL)	Escherichia coli (mpn/100mL)	Fecal Coliform (mpn/100mL)
		1. 靜止湖水	23	0.05	<0.02	0.1	6.51	8.06	228.2	3.0
2. 湖中心	19	0.04	<0.02	0.0	6.51	7.95	435.2	24.6	25.6	
3. 死角位置	19	0.07	<0.02	0.8	6.31	8.05	198.9	19.9	23.1	
4. 親水護岸區	9	0.06	<0.02	0.0	6.33	8.01	461.1	1.0	3.0	
5. 死角位置	16	0.09	<0.02	0.0	6.42	8.01	461.1	1.0	6.3	
6. 湖中心	31	0.04	0.08	3.1	6.14	8.05	156.5	1.0	<1.0	
7. 死角位置	33	0.07	<0.02	0.0	6.17	8.02	727.0	<1.0	<1.0	
8. 排洪閘	25	0.17	<0.02	0.0	6.28	8.07	14830.0	2.0	2.0	
9. 雨水排入處	16	0.08	0.30	0.8	6.20	8.06	1986.3	1.0	1.0	
10. 雨水排入處	10	0.07	0.03	0.9	6.35	8.12	2419.6	2.0	2.0	
11. 雨水排入處	14	0.05	0.40	0.3	6.33	7.91	613.1	<1.0	3.0	
12. 雨水排入處	15	0.07	0.24	0.0	6.39	8.02	613.1	12.8	13.4	
13. 不流通點	8	0.05	0.25	1.2	6.50	8.01	3090.0	66.3	83.6	
14. 不流通點	25	0.07	0.24	0.1	6.44	7.93	517.2	3.1	15.2	
15. 水處理泵房	47	0.05	0.07	0.0	6.02	8.16	62.2	5.2	2.0	
平均值		21	0.07	0.20	0.5	6.33	8.03	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

