

Water Quality Results - Microbiology & Chemistry

Carrathool

1 January 2023 - 1 December 2023

Analysis Type	Characteristic	Guideline Value	Units	Min	Max	Sample Count	% meeting guideline	
Chemistry	Aluminium	0.2000	mg/L	0.005	0.005	2	100.00	
	Antimony	0.0030	mg/L	0.00005	0.00005	2	100.00	
	Arsenic	0.0100	mg/L	0.001	0.001	2	100.00	
	Barium	2.0000	mg/L	0.0409	0.0438	2	100.00	
	Boron	4.0000	mg/L	0.1	0.102	2	100.00	
	Cadmium	0.0020	mg/L	0.00005	0.00005	2	100.00	
	Calcium	10000.0000	mg/L	8.7	10	2	100.00	
	Chloride	250.0000	mg/L	83	90	2	100.00	
	Chromium	0.0500	mg/L	0.0005	0.001	2	100.00	
	Copper	2.0000	mg/L	0.003	0.007	2	100.00	
	Fluoride	1.5000	mg/L	0.6	0.66	2	100.00	
	Iodine	0.5000	mg/L	0.14	0.15	2	100.00	
	Iron	0.3000	mg/L	0.1	0.16	2	100.00	
	Lead	0.0100	mg/L	0.0001	0.0002	2	100.00	
	Magnesium	10000.0000	mg/L	12.2	12.71	2	100.00	
	Manganese	0.5000	mg/L	0.0028	0.0039	2	100.00	
	Mercury	0.0010	mg/L	0.0004	0.0004	2	100.00	
	Molybdenum	0.0500	mg/L	0.0005	0.0005	2	100.00	
	Nickel	0.0200	mg/L	0.0002	0.0002	2	100.00	
	Nitrate	50.0000	mg/L	0.5	0.5	2	100.00	
	Nitrite	3.0000	mg/L	0.05	0.05	2	100.00	
	pH	6.5 - 8.5			7.6	7.7	2	100.00
	Selenium	0.0100	mg/L	0.0035	0.0035	2	100.00	
	Silver	0.1000	mg/L	0.0001	0.0001	2	100.00	
	Sodium	180.0000	mg/L	121	132	2	100.00	
	Sulfate	250.0000	mg/L	32	34	2	100.00	

	Total Dissolved Solids (TDS)	10000.0000 mg/L	291	295	2	100.00
	Total Hardness as CaCO3	200.0000 mg/L	72	77.3	2	100.00
	True Colour	15.0000 Hazen Units (HU)	0.5	0.5	2	100.00
	Turbidity	5.0000 NTU	0.3	0.4	2	100.00
	Uranium	0.0170 mg/L	0.00005	0.0003	2	100.00
	Zinc	3.0000 mg/L	0.01	0.02	2	100.00
Microbiology						
	E. coli	0.0000 mpn/100 mL	0	0	12	100.00
	Free Chlorine	0.2 - 5 mg/L	0.3	0.7	12	100.00
	pH	6.5 - 8.5	7.27	7.8	12	100.00
	Temperature	30.0000 C	0.68	16.8	2	100.00
	Total Chlorine	5.0000 mg/L	0.01	0.67	11	100.00
	Total Coliforms	0.0000 mpn/100 mL	0	0	12	100.00
	Turbidity	5.0000 NTU	0.01	2.1	11	100.00