

**Bugaldie Water Chemistry Analysis**  
**Samples collected on 09/09/2024**

<b>Characteristic</b>	<b>Value</b>	<b>Units</b>	<b>Aesthetic Guideline Value</b>	<b>Health Guideline Value</b>
Aluminium	< 0.01	mg/L	0.2	
Antimony	< 0.0001	mg/L		0.003
Arsenic	0.001	mg/L		0.01
Barium	0.0922	mg/L		2
Boron	0.0081	mg/L		4
Cadmium	< 0.0001	mg/L		0.002
Calcium	16	mg/L		
Chloride	50	mg/L	250	
Chromium	0.001	mg/L		0.05
Copper	0.007	mg/L	1	2
Fluoride	0.29	mg/L		1.5
Iodine	0.02	mg/L		0.5
Iron	0.04	mg/L	0.3	
Lead	0.0006	mg/L		0.01
Magnesium	13.12	mg/L		
Manganese	0.0005	mg/L	0.1	0.5
Mercury	< 0.0008	mg/L		0.001
Molybdenum	0.0014	mg/L		0.05
Nickel	0.0018	mg/L		0.02
Nitrate	2	mg/L		50
Nitrite	< 0.1	mg/L		3
pH	7.3		6.5 - 8.7	
Selenium	< 0.007	mg/L		0.01
Silver	< 0.0002	mg/L		0.1
Sodium	40	mg/L	180	
Sulfate	2	mg/L	250	500
Total Dissolved Solids (TDS)	219	mg/L	600	
Total Hardness as CaCO3	94	mg/L	200	
True Colour	1	HU	15	
Turbidity	0.9	NTU	5	
Uranium	< 0.0001	mg/L		0.017
Zinc	0.14	mg/L	3	