

Whitevale Well 2 Water Quality 2023

Water System: Whitevale Water Utility
 Source: Whitevale groundwater

Sampling Point: Whitevale Well 2
 Date of Sample: August 22, 2023

Parameter	Result	Guideline	Unit
ALKALINITY (BICARBONATE, AS CaCO3)	117	N/A	mg/L
ALKALINITY (CARBONATE, AS CaCO3)	<1.0	N/A	mg/L
ALKALINITY (HYDROXIDE, AS CaCO3)	<1.0	N/A	mg/L
ALKALINITY (PHENOLPHTHALEIN, AS CaCO3)	<1.0	N/A	mg/L
ALKALINITY (TOTAL, AS CaCO3)	117	N/A	mg/L
ALUMINUM (TOTAL)	<0.005	OG < 0.1	mg/L
ANTIMONY (TOTAL)	<0.0002	MAC = 0.006	mg/L
ARSENIC (TOTAL)	<0.0005	MAC = 0.01	mg/L
BARIUM (TOTAL)	0.0087	MAC = 2	mg/L
BORON (TOTAL)	<0.05	MAC = 5	mg/L
CADMIUM (TOTAL)	<0.00001	MAC = 0.007	mg/L
CALCIUM (TOTAL)	40.1	N/A	mg/L
CHLORIDE	1.12	AO ≤ 250	mg/L
CHROMIUM (TOTAL)	<0.0005	MAC = 0.05	mg/L
COBALT (TOTAL)	<0.0001	N/A	mg/L
COLOUR (TRUE)	<5.0	N/A	TCU
CONDUCTIVITY	241	N/A	µS/cm
COPPER (TOTAL)	<0.0004	MAC = 2	mg/L
CYANIDE (TOTAL)	<0.002	MAC = 0.2	mg/L
FLUORIDE	<0.1	MAC = 1.5	mg/L
HARDNESS (TOTAL, AS CaCO3)	123	N/A	mg/L
IRON (TOTAL)	0.01	AO ≤ 0.3	mg/L
LANGELIER INDEX	0.1	N/A	-
LEAD (TOTAL)	<0.0002	MAC = 0.005	mg/L
MAGNESIUM (TOTAL)	5.58	N/A	mg/L
MANGANESE (TOTAL)	0.00147	MAC = 0.12	mg/L
MERCURY (TOTAL)	<0.00001	MAC = 0.001	mg/L
MOLYBDENUM (TOTAL)	0.00133	N/A	mg/L
NICKEL (TOTAL)	0.00044	N/A	mg/L
NITRATE	0.011	N/A	mg N/L
NITRITE	<0.01	N/A	mg N/L
PH	7.35	7.0-10.5	pH units
POTASSIUM (TOTAL)	2.12	N/A	mg/L
SELENIUM (TOTAL)	<0.0005	MAC = 0.05	mg/L
SODIUM (TOTAL)	4.32	AO ≤ 200	mg/L
STRONTIUM (TOTAL)	0.17	MAC = 7	mg/L
SULPHATE	21.9	AO ≤ 500	mg/L
TOTAL DISSOLVED SOLIDS	146	AO ≤ 500	mg/L
TURBIDITY	0.08	OG < 1	NTU
URANIUM (TOTAL)	0.000208	MAC = 0.02	mg/L
ZINC (TOTAL)	<0.004	AO ≤ 5	mg/L

"<" = Less than the detection limit shown

N/A = No current guideline

OG = Operational Guideline

MAC = Maximum Acceptable Concentration Guideline

AO = Aesthetic Objective Guideline