

New Zealand Drinking Water Standards 2005 ( Revised 2018)				
Determinand	Max Allowable Value for Health Significance	Maximum Desirable Aesthetic Level	Typical Range for Canterbury Groundwater	Measurement Uncertainty +/-
Total Coliforms (MPN / 100ml)	-	-	0 - 100	-
E Coli (MPN / 100ml)	none detectable	-	none detectable	-
pH	-	7.0 - 8.5	6.5 - 8.5	0.3
Total Alkalinity (mg/l)	-	-	20 - 80	1
Conductivity (mS/m)	-	-	6 - 36	1.0
TDS (mg/l)	-	-	-	3
Turbidity (NTU)	-	2.5	0.5 - 8.0	0.1
Total Hardness (mg/l CaCO <sub>3</sub> )	-	200	20 - 90	1.8
Calcium (mg/l CaCO <sub>3</sub> )	-	-	20 - 80	1.0
Magnesium (mg/l CaCO <sub>3</sub> )	-	-	0 - 15	0.7
Sodium (mg/l)	-	200	1 - 25	0.5
Potassium (mg/l)	-	-	0.5 - 2.5	0.1
Iron (mg/l)	-	0.2	<0.1 - 1.2	0.01
Manganese (mg/l)	0.4	0.04	<0.01 - 2.0	0.01
Phosphate (mg/l)	-	-	-	0.01
Nitrate Nitrogen (mg/l)	11.3	-	<0.3 - 14.0	0.3
Chloride (mg/l)	-	250	0.6 - 24.0	0.5
Sulphate (mg/l)	-	250	0.2 - 27.3	1.0
Fluoride (mg/l)	1.5	-	0	0.05
Cadmium (mg/l)	0.004	-	-	0.005
Lead (mg/l)	0.01	-	-	-
Copper (mg/l)	2.0	1.0	-	0.004
Zinc (mg/l)	-	1.5	-	0.003
TSS (mg/l)	-	-	-	3
Dissolved Oxygen (% Sat)	-	-	-	3.0
Arsenic (mg/l)	0.01	-	<0.001	-
MAF Regulations for Farm Dairy Water				
Determinand		Maximum Level		
Turbidity		5 NTU		
E Coli		Absent in 100ml sample		