

New Zealand Drinking Water Standards 2005 (Revised 2008)

Determinant	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
Turbidity (NTU)	–	2.5	0.5 - 8.0	0.1
Total Hardness (mg/l CaCO ₃)	–	200	20 – 90	2
Calcium (mg/l CaCO ₃)	–	–	20 - 80	2
Magnesium (mg/l CaCO ₃)	–	–	0 - 15	2
Sodium (mg/l)	–	200	1 – 25	0.4
Potassium (mg/l)	–	–	0.5 - 2.5	0.3
Iron (mg/l)	–	0.2	<0.1 - 1.2	0.02
Manganese (mg/l)	0.4	0.04	<0.01 – 2.0	0.01
Phosphate (mg/l)	–	–	-	0.01
Nitrate Nitrogen (mg/l) Short term	11.3	–	<0.3-14.0	1.0
Chloride (mg/l)	–	250	0.6 – 24.0	0.2
Sulphate (mg/l)	–	250	0.2 - 27.3	1
Fluoride (mg/l)	1.5	–	0	0.05
Cadmium (mg/l)	0.004	–	–	0.002
Lead (mg/l)	0.01	–	–	0.005
Copper (mg/l)	2.0	1.0	–	0.005
Zinc (mg/l)	–	1.5	–	0.003
Arsenic (mg/l)	0.01	–	<0.001	0.001

MAF Regulations for Farm Dairy Water

Determinant

Maximum Level

Turbidity

5 NTU

E/coli

absent in 100ml sample

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