

Canberra Water Quality Analysis - Table 1

Water Filtration Plant - Minimum & Maximum

	Unit	Combined			Stromlo	Googong
		Min	Max	Average		
Physical Characteristics						
True Colour	TCU or HU	<1.0	5.0	2.38	5.0	2.0
Turbidity	NTU	0.1	8.0	0.47	0.3	0.5
Total Dissolved Solids	mg/L					
pH	pH units	6.5	8.5	7.5-8.5	7.5-8.1	7.5-8.5
Conductivity	mS/m				115	150
Total Hardness	mg CaCO ₃ /L	20	70	39.6	40-50	50-80
Calcium Hardness	mg CaCO ₃ /L					
Magnesium Hardness	mg CaCO ₃ /L					
Alkalinity	mg CaCO ₃ /L	32.0	43.0	35.8	40	60
Temperature	°C					
Dissolved Oxygen	% Saturation					
Disinfectants						
Free Chlorine	mg/L	<0.2	<1.2	0.7		
Monochloramine	mg/L					
Disinfectant By-products						
Trihalomethanes	mg/L	<0.011	0.2	0.056		
Inorganic Chemicals						
Aluminium	mg/L	0.019	0.088	0.033		
Ammonia	mg/L					
Arsenic	mg/L					
Cadmium	mg/L					
Calcium	mg/L					
Chloride	mg/L					
Chromium	mg/L					
Copper	mg/L	0.001	0.38	0.018		
Cyanide	mg/L					
Fluoride	mg/L	0.2	1.0	0.91		
Iron	mg/L	<0.02	0.47	0.033	0.008	0.05
Lead	mg/L	<0.2	0.7	0.0004		
Magnesium	mg/L					
Manganese	mg/L	0.0007	0.28	0.10	0.02	0.02
Mercury	mg/L					
Nitrate	mg/L					
Nitrite	mg/L					
Phosphorous	mg/L					
Potassium	mg/L					
Silica	mg/L					
Selenium	mg/L					
Silver	mg/L					
Sodium	mg/L					
Sulfate	mg/L					
Zinc	mg/L					
Microbiological						
E.coli	orgs/100ml	<1	<1	<1		

nd = not detected (below detection limits)