

Water standards test list

The list below represents the common and standard test criteria as required by the year 2000 water standards regulations. In order to comply with these regulations each parameter should not exceed the concentration shown in the column to the right. If any given parameter does yield a higher concentration, then remedial action must be taken.

Many other tests are available, in total more than 170 testable parameters, a complete list of which is available on request.

Parameter	Unit	Max concentration or value
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Characters:

• Colour	mg / litre Pt Scale	20
• Turbidity	FTU	4
• Taste	Dilution number	3 @ 25 degrees C
• Odour	Dilution number	3 @ 25 degrees C
• UV light transmittance (per 1 cm layer)	%	
• Hydrogen ion concentration (pH value)	pH	6.5 min - 10.00 max
• Conductivity	µS / cm	2500 @ 20 degrees C

Bacteriological:

• Total coliforms	Number / 100ml	Zero
• Escherichia coli (E. coli)	Number / 100ml	Zero
• Faecal coliforms	Number / 100ml	Zero
• Faecal streptococci	Number / 100ml	Zero
• Sulphate reducing clostridia	Number / 100ml	Zero
• Total viable plate count <i>at 22 deg c (per ml)</i>	Number / ml	No significant increase
• Total viable plate count <i>at 37 deg c (per ml)</i>	Number / ml	No significant increase

Chemical (mg/litre)

• Ammonium	mg NH / litre	0.5
• Calcium	mg Ca / litre	250
• Chloride	mg Cl / litre	250
• Copper	mg Cu / litre	2.5
• Magnesium	mg MG / litre	50
• Fluoride	mg F / litre	1.5
• Nitrite	mg NO ₂ / litre	0.5
• Nitrate	mg NO ₃ / litre	50
• Phosphorus	mg / litre	2.2
• Potassium	mg K / litre	12
• Sodium	mg Na / litre	200
• Sulphate	mg SO ₄ / litre	250
• Zinc	mg Zn / litre	5.0
• TOC <i>(Total Organic Carbon)</i>	mg C / litre	No significant increase
• Total hardness <i>(CaCO₃ or Ca, please specify)</i>		
• Temporary hardness		
• Permanent hardness		
• Total dissolved solids <i>(dried at 180 deg c)</i>		

Chemical (ug/litre)

• Aluminium	µg Al / litre	200
• Arsenic	µg As / litre	10
• Cadmium	µg Cd / litre	5
• Chloride	µg Cl / litre	250
• Chromium	µg Cr / litre	50
• Iron	µg Fe / litre	200
• Lead	µg Pb / litre	25
• Manganese	µg Mn / litre	50

Radioactivity: (Bq / litre)

• Tritium	(Bq / litre)	100
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