

Private Water Supplies Regulations 2018

These regulations say the water must be wholesome to drink - defined by a list of bacterial and chemical parameters - see below. The allowed concentration of sodium is 200 mg/l, there is no mention of softened water. There are extra parameters for supplies over 10m³/day.

Drinking Water quality standards

Parameter	Max Concentration	Parameter	Max Concentration
Escherichia coli (Ecoli)	0 per 100 ml	Pesticides	
Enterococci	0 per 100 ml	Aldrin	0.03 µg/l
Acrylamide	0.1 µg/l	Dieldrin	0.03 µg/l
Ammonia	0.5 mg/l	Heptachlor	0.03 µg/l
Antimony	5 µg/l	Heptachlor ep	0.03 µg/l
Arsenic	10 µg/l	other pesticide	0.1 µg/l
Benzene	1 µg/l	PAH	0.1 µg/l
Benzo(a)pyrene	0.01 µg/l	Selenium	10 µg/l
Boron	1 mg/l	Tetra & Trichlorc	10 µg/l
Bromate	10 µg/l	THM	100 µg/l
Cadmium	5 µg/l	Vinyl chloride	0.5 µg/l
Chromium	50 µg/l	National Requirements	
Copper	2 mg/l	Aluminium	200 µg/l
Cyanide	50 µg/l	Chloride	250 mg/l
1,2 dichloroethane	3 µg/l	Colour	20 mg/l
Epichlorohydrin	0.1 µg/l	Iron	200 µg/l
Fluoride	1.5 mg/l	Manganese	50 µg/l
Lead	10 µg/l	Sodium	200 mg/l
Mercury	1 µg/l	Sulphate	250 mg/l
Nickel	20 µg/l	Trichlorometha	3 µg/l
Nitrate	50 mg/l	Turbidity	4 NTU
Nitrite	0.5 mg/l	pH	6.5 - 9.5
		EC	<2500 uS



Water consumption figures

Human (average)	160 Litres per day	Horses	40 Litres per day
Bath (average)	80 Litres	Sheep	4 Litres per day
Shower (5 Min)	35 Litres	Dry Cow	50 Litres per day
Power Shower (5 Min)	125 Litres	Milking Cow	75 Litres per day
Wash	5 Litres	Dairy Calf	9 Litres per day
Tap (running)	6 Litres per minute	Chicken	0.2 Litres per day
Toilet	6-9 Litres	Pigs	9 Litres per day
Washing Machine	45 Litres	Turkey	0.7 Litres per day
Dish Washer	20 Litres	Boar	15 Litres per day
Hosepipe	9 Litres per minute	Goats	7 Litres per day
		Alpaca	19 Litres per day
		Donkey	22 Litres per day

The above figures are estimates and should be used with caution.