



SUPPLY WATER QUALITY STANDARD

The water produced for municipal purpose shall have the following parameters in the given ranges. The following parameters need to be tested and reported to Utility Regulatory Authority according to the timeframe given below.

Table 1: Daily Tests

The following parameters must be tested daily.

Parameter	Reference range
Physical Appearance	Clear & Colorless
pH	6.5 - 8.5
Free Chlorine	0.04 - 0.2 mg/l
Electrical Conductivity (max allowable range)	<1000 μ s/cm
Electrical Conductivity (recommended range)	300 - 700 μ s/cm
Total Coliform	0/100ml CFU
Fecal Coliform	0/100ml CFU
Turbidity	<1 NTU
Total Dissolved Solids (max allowable range)	<500 mg/L
Total Dissolved Solids (recommended range)	150 - 350 mg/L

Table 2: Monthly Tests

The following parameters must be tested every month along with those given in Table 1.

Parameter	Reference range
Chlorides	<200 mg/l
Nitrates	<50 mg/l
Ammonia	<0.5 mg/l
Iron	<0.3 mg/l
Hydrogen Sulphide	0.05 mg/l
Total Hardness	<75 mg/l
Suspended Solids	5-750 mg/L
E.Coli	0/100ml CFU

Table 3: Bi-Annual Tests

The following parameter must be tested twice a year along with those given in Table 1 and Table 2.

Parameter	Reference range
Total viable count at 22°C	100/1ml CFU
Total viable count at 37°C	20/1ml CFU

Table 4: Annual Tests

The following parameters must be tested once every year along with those given in Table 1, Table 2 and Table 3.

Parameter	Reference range
Anionic detergents	0.002 - 0.275 mg/l
Arsenic	<0.01 mg/l
Boron	<2.4 mg/l
Bromine	0.05 – 4.50 mg/l
Cadmium	<0.003 mg/l
Calcium hardness	<60 mg/l
Chromium	<0.05 mg/l
Copper	<2 mg/l
Cyanide	<0.07 mg/l
Enterococci	0/100ml CFU
Fluoride	<1.5 mg/l
Lead	<0.01 mg/l
Manganese	0.1 mg/l
Mercury	<0.001 mg/l
Phenolic compounds	0.002 - 0.2 mg/l
Phosphate	<5mg/l
Potassium	0 – 50 mg/l
Salmonella Typhi	0/100ml CFU
Shigella spp.	0/100ml CFU
Sodium	<200 mg/l
Sulphate	<250 mg/l
Total petroleum hydrocarbon	0 mg/l
Vibrio Cholerae	0/100ml CFU