

Table 2: Permissible limits of drinking water quality

Parameters	USEPA	WHO	ISI	ICMR	GPCB	DOH
pH (mg/l)	6.5-8.5	6.5-8.5	6.5-8.5	6.5-9.2	6.5-8.5	6.5-8.5
Turbidity NTU	-	-	10	25	10	5.0
Conductivity (mg/l)	-	-	-	-	2000	-
Alkalinity (mg/l)	-	-	-	-	600	-
Total hardness (mg/l)	-	500	300	600	600	300
Iron (mg/l)	-	0.1	0.3	1.0	1.0	1.0
Chlorides (mg/l)	250	200	250	1000	1000	250
Nitrate (mg/l)	-	-	45	100	100	50
Sulfate (mg/l)	-	-	150	400	400	250
Residual (mg/l) free Chlorine	-	-	0.2	-	-	0.30
Calcium (mg/l)	-	75	75	200	200	-
Magnesium (mg/l)	-	50	30	-	100	-
Copper (mg/l)	1.3	1.0	0.05	1.5	1.5	1.0
Fluoride (mg/l)	4.0	1.5	0.6-1.2	1.5	1.5	1.0
Mercury (mg/l)	0.002	0.001	0.001	0.001	No relaxation	0.001
Cadmium (mg/l)	0.005	0.005	0.01	0.01	No relaxation	0.003
Selenium (mg/l)	0.05	0.01	-	-	No relaxation	0.01
Arsenic (mg/l)	0.05	0.05	0.05	0.05	No relaxation	0.05
Lead (mg/l)	-	0.05	0.10	0.05	No relaxation	0.01
Zinc (mg/l)	-	5.0	5.0	0.10	15.0	5.0
Chromium (mg/l)	0.1	-	0.05	-	No relaxation	0.05
E. coli (MPN 100 ml)	-	-	-	-	No relaxation	-
Total Dissolved Solids (TDS) mg/L	-	-	-	-	-	500
Total Coliform, MPN/100 mL	-	-	-	-	-	< 1.1
Fecal Coliform, MPN/100 mL	-	-	-	-	-	< 1.1
Lead, mg/L	-	-	-	-	-	0.01
Nickel, mg/L	-	-	-	-	-	0.02
Benzene, mg/L	-	-	-	-	-	0.01

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