



INDIAN STANDARDS FOR WATER QUALITY

Indian Standards for Water Quality

The water quality norms as prescribed in Indian standards for various applications) Indian standards for drinking (IS 100500-1991), irrigation applications (IS 11624-1986))

<i>Parameter</i>	<i>Maximum/ Minimum</i>	<i>Drinking water</i>		
		<i>without conventional Treatment but after Disinfection</i>	<i>Drinking water with conventional treatment followed by disinfection</i>	<i>Irrigation industrial cooling, etc.</i>
Dissolved oxygen (mg/liter)	Minimum	6	4	—
Biological oxygen demand (mg/liter)	Minimum	2	3	—
Total coliform bacteria (most Probable number per 100 ml.)	Maximum	50	5000	—
Total dissolved solids (mg/liter)	Maximum	500	1500	2100
Chloride as chlorine (mg/liter)	Maximum	250	600	500
Colour (hazen)	Maximum	10	300	—
Sodium absorption ratio	Maximum	—	—	26
Boron (mg/liter)	Maximum	—	—	2
Sulphates (mg/liter)	Maximum	400	400	1000
Nitrates (mg/liter)	Maximum	20	50	—
Free ammonia as nitrogen (mg/liter)	Maximum	—	—	—
Conductivity at 25 C (µs/cm)	Maximum	—	—	2.25
PH	—	6.5—8.5	6.5—8.5	6.0—8.0
Arsenic (mg/liter)	Maximum	0.05	0.20	—
Iron (mg/liter)	Maximum	0.3	50	—
Fluorides (mg/liter)	Maximum	1.5	1.0	—
Lead (mg/liter)	Maximum	0.1	0.1	—
Copper (mg/liter)	Maximum	1.5	1.5	—
Zinc (mg/liter)	Maximum	1.5	1.5	—