

Annexure 14

Tolerance limits for the Industrial effluents discharged into surface water, on land for irrigation, and into public sewer

SI No	Parameter units	IS 2490-1974 Tolerance limits for the industrial effluents discharged into surface water	IS 3307-1977 Tolerance limits for the effluents discharged on land for irrigation	IS 3306-1974 Tolerance limits for the effluents discharged into public sewer
1	pH	5.5 to 9.0	5.5 to 9.0	5.5 to 9.0
2	Temperature in Degrees Centigrade	40	nil	45
3	Total Suspended Solids (mg/l)	100	nil	600, relaxable to 750
4	Total Dissolved Solids (mg/l)	nil	2100	Inorganic* 2100
5	BOD ₅ , at 20 °C (mg/l)	30	100	100
6	COD (mg/l)	250	nil	nil
7	Oil and Grease (mg/l)	10	10	100
8	Phenolic Compounds (as C ₆ H ₅ OH) (mg/l)	1.0	nil	5 relaxable to 50
9	Cyanides (as CN) (mg/l)	0.2	nil	2.0
10	Sulphates (as SO ₄) (mg/l)	nil	1000	1000
11	Chlorides (as Cl) (mg/l)	nil	600	600
12	Sulphides (as S) (mg/l)	2.0	nil	nil
13	Insecticides (mg/l)	absent	nil	nil
14	Total Residual Chloride (mg/l)	1.0	nil	nil
15	Flouride (as F) (mg/l)	2.0	nil	nil
16	Boron (as B) (mg/l)	nil	0.2	2.0
17	Arsenic (as AS) (mg/l)	2.0	nil	nil
18	Sodium	nil	60	nil
19	Cadmium (as Cd) (mg/l)	2.0	nil	nil
20	Copper (as Cu) (mg/l)	3.0	nil	3.0
21	Lead (as Pb) (mg/l)	0.1	nil	1.0
22	Chromium (as Cr) (mg/l)	0.1	nil	Equivalent* 2.0
23	Mercury (as Hg) (mg/l)	0.01	nil	nil
24	Nickel (as Ni) (mg/l)	3.0	nil	2.0
25	Selenium (as Se) (mg/l)	0.05	nil	nil
26	Zinc (as Zn) (mg/l)	5.0	nil	15.0
27	Ammonical Nitrogen (mg/l)	50.00	nil	1.5
28	Pesticides (mg/l)	nil	nil	nil