

Trace Metal Minimum Detection Values

Element	Wavelength (nm)	APHA : Detection limit(mg/L) Flame
Copper (Cu)	324.7	0.01
Nickel (Ni)	232.0	0.02
Iron (Fe)	248.3	0.02
Manganese (Mn)	279.5	0.01
Zinc (Zn)	213.9	0.005
Lead (Pb)	217.0	0.05
Cadmium (Cd)	228.8	0.002
Chromium (Cr)	357.9	0.02

Standards with Permissible Limits:

Standards with Permissible limits	Parameters							
	Copper [mg/L]	Nickel [mg/L]	Iron [mg/L]	Manganese [mg/L]	Zinc [mg/L]	Lead [mg/L]	Cadmium [mg/L]	Hexavalent Chromium [mg/L]
CPCB Discharge Std. for Effluent: Inland Surface Water	3.0	3.0	3.0	2.0	5.0	0.1	2.0	0.1
CPCB Discharge std for sewage: Public sewer	3.0	3.0	3.0	2.0	15.0	1.0	1.0	2.0