

Table 1: Concentration of heavy metals in marine red alga *Hypnea musciformis*

S.NO	Element	Wavelength	Fuel gas flow rate (L/ min)	Flame type (L/ min)	Concentration of metals in ppm
1	Cadmium	228nm	1.8	15	0.0490
2	Iron	248nm	2.2	15	0.2768
3	Copper	324nm	2	15	0.8799
4	Calcium	422nm	2	15	30.9366
5	Chromium	357nm	2.8	15	0.5322
6	Lead	283nm	2	15	0.3643
7	Nickel	232nm	2	15	0.0242
8	Cobalt	240nm	1.6	15	0.0922
9	Manganese	279nm	2	15	2.5210
10	Zinc	213nm	2	15	1.6194