

Table 1: Heavy Metal Contamination Levels and Safety Thresholds

Heavy Metal	Peak Concentration (mg/kg)	Location	Season	Permissible Limit (mg/kg)	Status
Lead (Pb)	98.3	Center	Summer	85	EXCEEDED
Cadmium (Cd)	5.89	Inside	Summer	0.8	EXCEEDED
Nickel (Ni)	42.10	Center	Summer	35	EXCEEDED
Chromium (Cr)	30.40	Center	Summer	100	Within limit
Arsenic (As)	18.50	Center	Summer	20	Within limit
Zinc (Zn)	3.57	Center	Winter	5 (high threshold)	Within limit
Iron (Fe)	12.51	Center	Winter	10 (high threshold)	Elevated
Copper (Cu)	2.72	Center	Winter	3 (high threshold)	Within limit
Manganese (Mn)	11.83	Center	Winter	6 (high threshold)	Elevated
