

ICP-MS: Heavy Metal Analysis for Drinking Water (UoL Source)

S. No.	Elements	Permissible limit (mg/L)	Results	Unit
1.	Li	0.01	0.000084	mg/L
2.	Be	0.001	<0.000	mg/L
3.	Na	200	3.161213	mg/L
4.	Mg	30	2.933653	mg/L
5.	Al	0.03	0.000446	mg/L
6.	K	12	1.023592	mg/L
7.	Ca	75	5.428176	mg/L
8.	V	0.005	0.000101	mg/L
9.	Cr	0.05	<0.000	mg/L
10.	Mn	0.1	0.000001	mg/L
11.	Fe	0.3	0.000034	mg/L
12.	Co	0.05	<0.000	mg/L
13.	Ni	0.02	<0.000	mg/L
14.	Cu	0.05	0.000078	mg/L
15.	Zn	5	<0.000	mg/L
16.	As	0.01	<0.000	mg/L
17.	Ag	0.1	<0.000	mg/L
18.	Ba	0.7	0.002782	mg/L
19.	Tl	0.0000015	<0.000	mg/L
20.	Pb	0.07	<0.000	mg/L
21.	U	0.03	0.000155	mg/L

Remarks:

- ❖ The concentrations of Li, Na, Mg, Al, K, Ca, V, Mn, Fe, Cu, Ba and U are within the acceptable limits, being below the maximum values prescribed by BIS/WHO/EPA.
- ❖ Be, Cr, Co, Ni, Zn, As, Ag, Tl and Pb are not detectable/not present.

No: F11(DST/PURSE/UoL/2025/26)

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