

Table of assigned values Metals and trace elements M160

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Table of assigned values

Parameter	Sample	Unit	Assigned value ±	U (k=2)	Criterion	Criterion [%]
Aluminium	M160 A	µg/l	36.3 ±	1.04	5.45	15
	M160 B	µg/l	105 ±	2.25	15.8	15
Arsenic	M160 A	µg/l	2.34 ±	0.0752	0.304	13
	M160 B	µg/l	5.66 ±	0.136	0.736	13
Cadmium	M160 A	µg/l	0.517 ±	0.0112	0.0517	10
	M160 B	µg/l	3.67 ±	0.0564	0.367	10
Chromium	M160 A	µg/l	3.8 ±	0.0928	0.323	8.5
	M160 B	µg/l	2.21 ±	0.0559	0.188	8.5
Copper	M160 A	µg/l	9.22 ±	0.241	0.829	9
	M160 B	µg/l	60.4 ±	0.94	5.44	9
Iron	M160 A	µg/l	54 ±	1.38	5.94	11
	M160 B	µg/l	113 ±	1.78	12.4	11
Lead	M160 A	µg/l	2.21 ±	0.0437	0.332	15
	M160 B	µg/l	2.69 ±	0.0583	0.403	15
Manganese	M160 A	µg/l	30.1 ±	0.599	2.17	7.2
	M160 B	µg/l	20.7 ±	0.331	1.49	7.2
Mercury	M160 A Hg	µg/l	0.944 ±	0.0244	0.132	14
	M160 B Hg	µg/l	1.2 ±	0.0214	0.168	14
Nickel	M160 A	µg/l	5.18 ±	0.152	0.622	12
	M160 B	µg/l	15.3 ±	0.317	1.83	12
Selenium	M160 A	µg/l	2.19 ±	0.0565	0.262	12
	M160 B	µg/l	5.28 ±	0.126	0.634	12
Uranium	M160 A	µg/l	3.49 ±	0.113	0.231	6.6
	M160 B	µg/l	1.72 ±	0.0429	0.113	6.6
Zinc	M160 A	µg/l	88.5 ±	1.55	7.97	9
	M160 B	µg/l	138 ±	1.77	12.4	9

Legend:

Assigned value	Target value for proficiency assessment of the participants (3 significant digits)
U (k=2)	Expanded uncertainty (k=2) of the assigned value (3 significant digits)
Criterion	Specified value for the determination of the z-score in the given unit (3 significant digits)
Criterion [%]	Specified value for the determination of the z-score in % of the assigned value (2 significant digits)