

Table of assigned values Metals and trace elements M155

1st Edition, 16.03.2021

Table of assigned values

Parameter	Sample	Unit	Assigned value ±	U (k=2)	Criterion	Criterion [%]
Aluminium	M155 A	µg/l	24.5 ±	1.33	3.68	15
	M155 B	µg/l	159 ±	4.27	23.8	15
Arsenic	M155 A	µg/l	2.7 ±	0.0863	0.351	13
	M155 B	µg/l	6.55 ±	0.206	0.852	13
Cadmium	M155 A	µg/l	0.638 ±	0.025	0.0638	10
	M155 B	µg/l	3.08 ±	0.0774	0.308	10
Chromium	M155 A	µg/l	1.6 ±	0.0595	0.136	8.5
	M155 B	µg/l	2.65 ±	0.0932	0.225	8.5
Copper	M155 A	µg/l	14.5 ±	0.429	1.31	9
	M155 B	µg/l	57.9 ±	1.44	5.22	9
Iron	M155 A	µg/l	64.9 ±	2.33	11.7	18
	M155 B	µg/l	106 ±	2.79	19.1	18
Lead	M155 A	µg/l	1.13 ±	0.0519	0.169	15
	M155 B	µg/l	1.65 ±	0.0829	0.248	15
Manganese	M155 A	µg/l	10.9 ±	0.296	0.786	7.2
	M155 B	µg/l	26.4 ±	0.557	1.9	7.2
Mercury	M155 A Hg	µg/l	1.18 ±	0.0572	0.165	14
	M155 B Hg	µg/l	1.71 ±	0.0977	0.239	14
Nickel	M155 A	µg/l	5.13 ±	0.195	0.616	12
	M155 B	µg/l	19.4 ±	0.448	2.32	12
Selenium	M155 A	µg/l	4.01 ±	0.0697	0.481	12
	M155 B	µg/l	6.58 ±	0.175	0.789	12
Uranium	M155 A	µg/l	1.13 ±	0.0424	0.0747	6.6
	M155 B	µg/l	1.85 ±	0.0828	0.122	6.6
Zinc	M155 A	µg/l	294 ±	10.7	26.5	9
	M155 B	µg/l	203 ±	4.21	18.3	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)