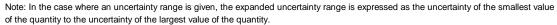
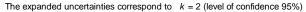
Amount of substance, Inorganic solutions, Slovakia, SMU (Slovensky Metrologicky Ustav)



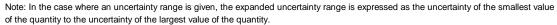


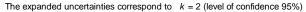


	Measurement	Matrix	Measurand		Dissemination Range of Measurement Capability			Range		nded Ur seminat	ncertainties as ed	Range of Certified Values in Reference Materials			Rang		anded U	Incertainties alue	Mechanism(s)	
NMI Service Identifier	Service Sub- Category		Analyte or Component	Quantity	From	То	Unit	From	То	Unit	Is the expanded uncertainty a relative one?	From	То	Unit	From	То	Unit	Is the expanded uncertainty a relative one?	Measurement Service Delivery	Comments
I-10-1	Inorganic solutions	mono- elemental solution	aluminium	Mass concentration	0.5	10	g/L	0.1	0.06	%	Yes	0.98	1.01	g/L	0.19	0.19	%	Yes	CRM B02	Approved on 27 March 2013
I-10-2	Inorganic solutions	mono- elemental solution	bismuth	Mass concentration	0.5	10	g/L	0.2	0.08	%	Yes	0.98	1.01	g/L	0.19	0.19	%	Yes	CRM B06	Approved on 27 March 2013
I-10-3	Inorganic solutions	mono- elemental solution	calcium	Mass concentration	0.5	10	g/L	0.1	0.06	%	Yes	0.98	1.01	g/L	0.19	0.19	%	Yes	CRM B07	Approved on 27 March 2013
I-10-4	Inorganic solutions	mono- elemental solution	cadmium	Mass concentration	0.5	10	g/L	0.2	0.1	%	Yes	0.98	1.01	g/L	0.2	0.2	%	Yes	CRM B08	Approved on 27 March 2013
I-10-5	Inorganic solutions	mono- elemental solution	cobalt	Mass concentration	0.5	10	g/L	0.1	0.06	%	Yes	0.98	1.01	g/L	0.19	0.19	%	Yes	CRM B09	Approved on 27 March 2013
I-10-6	Inorganic solutions	mono- elemental solution	copper	Mass concentration	0.5	10	g/L	0.1	0.06	%	Yes	0.98	1.01	g/L	0.19	0.19	%	Yes	CRM B12	Approved on 27 March 2013
I-10-7	Inorganic solutions	mono- elemental solution	iron	Mass concentration	0.5	10	g/L	0.1	0.06	%	Yes	0.98	1.01	g/L	0.19	0.19	%	Yes	CRM B13	Approved on 27 March 2013
I-10-8	Inorganic solutions	mono- elemental solution	lead	Mass concentration	0.5	10	g/L	0.1	0.06	%	Yes	0.98	1.01	g/L	0.19	0.19	%	Yes	CRM B26	Approved on 27 March 2013
I-10-9	Inorganic solutions	mono- elemental solution	mercury	Mass concentration	0.5	10	g/L	0.2	0.1	%	Yes	0.98	1.01	g/L	0.2	0.2	%	Yes	CRM B15	Approved on 27 March 2013
I-10-10	Inorganic solutions	mono- elemental solution	magnesium	Mass concentration	0.5	10	g/L	0.1	0.06	%	Yes	0.98	1.01	g/L	0.19	0.19	%	Yes	CRM B20	Approved on 27 March 2013
I-10-11	Inorganic solutions	mono- elemental solution	manganese	Mass concentration	0.5	10	g/L	0.2	0.1	%	Yes	0.98	1.01	g/L	0.2	0.2	%	Yes	CRM B21	Approved on 27 March 2013
I-10-12	Inorganic solutions	mono- elemental solution	nickel	Mass concentration	0.5	10	g/L	0.1	0.06	%	Yes	0.98	1.01	g/L	0.19	0.19	%	Yes	CRM B24	Approved on 27 March 2013
I-10-13	Inorganic solutions	mono- elemental solution	strontium	Mass concentration	0.5	10	g/L	0.1	0.06	%	Yes	0.98	1.01	g/L	0.20	0.20	%	Yes	CRM B32	Approved on 27 March 2013

The BIPM key comparison database, March 2013

Amount of substance, Inorganic solutions, Slovakia, SMU (Slovensky Metrologicky Ustav)



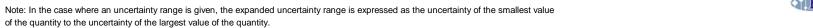




	Measurement Service Sub- Category	Matrix	Measurand		Dissemination Range of Measurement Capability			Range		nded Ur seminat	certainties as	Range of Certified Values in Reference Materials			Rang		anded U	Jncertainties /alue	Mechanism(s)	
NMI Service Identifier			Analyte or Component	Quantity	From	То	Unit	From	То	Unit	Is the expanded uncertainty a relative one?	From	То	Unit	From	То	Unit	Is the expanded uncertainty a relative one?	Measurement Service Delivery	Comments
I-10-14	Inorganic solutions	mono- elemental solution	zinc	Mass concentration	0.5	10	g/L	0.1	0.06	%	Yes	0.98	1.01	g/L	0.19	0.19	%	Yes	CRM B37	Approved on 27 March 2013
I-10-15	Inorganic solutions	mono- elemental solution	arsenic	Mass concentration	0.5	10	g/L	0.2	0.1	%	Yes	0.98	1.01	g/L	0.25	0.25	%	Yes	CRM B03	Approved on 27 March 2013
I-10-16	Inorganic solutions	mono- elemental solution	silver	Mass concentration	0.5	10	g/L	0.08	0.08	%	Yes	0.98	1.01	g/L	0.18	0.18	%	Yes	CRM B01	Approved on 27 March 2013
I-10-17	Inorganic solutions	mono- elemental solution	chromium	Mass concentration	0.9	10	g/L	0.14	0.1	%	Yes	0.98	1.01	g/L	0.22	0.22	%	Yes	CRM B10	Approved on 27 March 2013
I-10-18	Inorganic solutions	mono- elemental solution	tin	Mass concentration	0.9	10	g/L	0.17	0.1	%	Yes	0.98	1.01	g/L	0.24	0.24	%	Yes	CRM B31	Approved on 27 March 2013
I-10-19	Inorganic solutions	mono- elemental solution	thallium	Mass concentration	0.9	10	g/L	0.19	0.1	%	Yes	0.98	1.01	g/L	0.25	0.25	%	Yes	CRM B35	Approved on 27 March 2013
I-10-20	Inorganic solutions	mono- elemental solution	boron	Mass concentration	0.5	10	g/L	0.2	0.1	%	Yes	0.98	1.01	g/L	0.2	0.2	%	Yes	CRM B04	Approved on 27 March 2013
I-10-21	Inorganic solutions	mono- elemental solution	phosphorus	Mass concentration	0.5	10	g/L	0.2	0.1	%	Yes	0.98	1.01	g/L	0.2	0.2	%	Yes	CRM B25	Approved on 27 March 2013
I-10-22	Inorganic solutions	mono- elemental solution	vanadium	Mass concentration	0.5	10	g/L	0.15	0.1	%	Yes	0.99	1.02	g/L	0.28	0.28	%	Yes	CRM B36	Approved on 27 March 2013
I-10-23	Inorganic solutions	mono- elemental solution	barium	Mass concentration	0.9	10	g/L	0.13	0.1	%	Yes	0.102	1.05	g/L	0.21	0.21	%	Yes	CRM B05	Approved on 27 March 2013
I-50-0	Anionic solutions	water	chloride	mass concentration	0.9	2	g/L	0.05	0.04	%	Yes	0.95	1.05	g/L	0.18	0.18	%	Yes	CRM B50	Approved on 27 March 2013
I-50-1	Anionic solutions	water	phosphate	mass concentration	0.9	2	g/L	0.12	0.1	%	Yes	0.95	1.05	g/L	0.28	0.28	%	Yes	CRM B51	Approved on 27 March 2013
I-50-2	Anionic solutions	water	sulfate	mass concentration	0.9	2	g/L	0.08	0.06	%	Yes	0.95	1.05	g/L	0.19	0.19	%	Yes	CRM B52	Approved on 27 March 2013
I-50-3	Anionic solutions	water	nitrate	mass concentration	0.9	2	g/L	0.09	0.07	%	Yes	0.95	1.05	g/L	0.19	0.19	%	Yes	CRM B53	Approved on 27 March 2013
I-50-4	Anionic solutions	water	nitrite	mass concentration	0.9	2	g/L	0.16	0.13	%	Yes	0.95	1.05	g/L	0.23	0.23	%	Yes	CRM B54	Approved on 27 March 2013

The BIPM key comparison database, March 2013

Amount of substance, Inorganic solutions, Slovakia, SMU (Slovensky Metrologicky Ustav)



The expanded uncertainties correspond to k = 2 (level of confidence 95%)

NMI Service Identifier	Measurement Service Sub- Category	Matrix	Measurand		Dissemination Range of Measurement Capability			Range		nded Ur seminat	ncertainties as ed	Range of Certified Values in Reference Materials			Rang		anded (rtified \	Uncertainties /alue	Mechanism(s)	
			Analyte or Component	Quantity	From	То	Unit	From	То	Unit	Is the expanded uncertainty a relative one?	From	То	Unit	From	То	Unit	Is the expanded uncertainty a relative one?	Measurement Service Delivery	Comments
I-06a	Inorganic solutions	aqueous solution of Cr(VI)	oxidants expressed as Cr(VI)	Amount-of- substance content	0.01	1.5	mol/kg	0.02	0.005	%	Yes								Calibration	Approved on 27 March 2013. Oxidimetric value, includes contributions from trace impurities
I-07a	Inorganic solutions	aqueous solution of As(III)	reductants expressed as As(III)	Amount-of- substance content	0.01	1	mol/kg	0.01	0.004	%	Yes								Calibration	Approved on 27 March 2013. Reductometric value, includes contributions from trace impurities
I-08a	Inorganic solutions	aqueous solution of pure chlorides	total halides (except F) expressed as chloride	Amount-of- substance content	0.01	5	mol/kg	0.04	0.012	%	Yes								Calibration	Approved on 27 March 2013
I-09a	Inorganic solutions	aqueous solution of hydrochloric acid	total acid expressed as hydrochloric acid	Amount-of- substance content	0.01	2	mol/kg	0.03	0.004	%	Yes								Calibration	Approved on 27 March 2013
I-09b	Inorganic solutions	aqueous solution of sulfuric acid	total acid expressed as sulfuric acid	Amount-of- substance content	0.01	2	mol/kg	0.03	0.004	%	Yes								Calibration	Approved on 27 March 2013

