

Mass and Related Quantities, Macedonia, The FYR of, BOM (Bureau of Metrology, Ministry of Economy)

Calibration or Measurement Service			Measurand Level or Range			Measurement Conditions/Independent Variable		Expanded Uncertainty					Comments	NMI Service Identifier
Quantity	Instrument or Artifact	Instrument Type or Method	Minimum value	Maximum value	Units	Parameter	Specifications	Value	Units	Coverage Factor	Level of Confidence	Is the expanded uncertainty a relative one?		
Mass	Mass standards	Comparison in air	1	100	mg			1 to 2	µg	2	95%	No	Uncertainty scales with measurand level The volume of the mass standards is known Approved on 09 July 2013	0802
Mass	Mass standards	Comparison in air	0.1	1	g			2 to 4	µg	2	95%	No	Uncertainty scales with measurand level The volume of the mass standards is known Approved on 09 July 2013	0802
Mass	Mass standards	Comparison in air	1	10	g			4 to 15.8	µg	2	95%	No	Uncertainty scales with measurand level The volume of the mass standards is known Approved on 09 July 2013	0802
Mass	Mass standards	Comparison in air	10	100	g			15.8 to 57	µg	2	95%	No	Uncertainty scales with measurand level The volume of the mass standards is known Approved on 09 July 2013	0802

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Mass	Mass standards	Comparison in air	0.1	1	kg			57 to 202	µg	2	95%	No	Uncertainty scales with measurand level The volume of the mass standards is known Approved on 09 July 2013	0802
Mass	Mass standards	Comparison in air	1	10	kg			0.2 to 3.2	mg	2	95%	No	Uncertainty scales with measurand level The volume of the mass standards is known Approved on 09 July 2013	0802
Mass	Mass standards	Comparison in air	10	20	kg			3.2 to 15.6	mg	2	95%	No	Uncertainty scales with measurand level The volume of the mass standards is known Approved on 09 July 2013	0802
Volume of liquid	Micropipettes or piston pipettes	Gravimetric	10	20000	µL	Liquid	water	0.3 to 0.2	%	2	95%	Yes	Approved on 02 July 2013	BOM1
						Reference temperature	20 °C							
Volume of liquid	Piston burettes	Gravimetric	1	100	mL	Liquid	water	0.1	%	2	95%	Yes	Approved on 02 July 2013	BOM2
						Reference temperature	20 °C							

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Quantity	Instrument or Artifact	Instrument Type or Method	Minimum value	Maximum value	Units	Parameter	Specifications	Value	Units	Coverage Factor	Level of Confidence	Is the expanded uncertainty a relative one?		
Volume of liquid	Dispensers	Gravimetric	0.001	150	mL	Liquid	water	0.1	%	2	95%	Yes	Approved on 02 July 2013	BOM3
						Reference temperature	20 °C							
Volume of liquid	Standard test measures	Volumetric	2	20	L	Liquid	water	0.03	%	2	95%	Yes	Approved on 02 July 2013	BOM4
						Reference temperature	15 °C							
Volume of liquid	Proving tanks	Volumetric	50	5000	L	Liquid	water	0.03	%	2	95%	Yes	Approved on 02 July 2013	BOM5
						Reference temperature	15 °C							
Volume water flow rate	Flowmeters (turbine, vortex, electromagnetic, ultrasonic, water meters)	Volumetric	0.02	90	m ³ /h	Ambient temperature	15 °C up to 25 °C	0.1	%	2	95%	Yes	Approved on 02 July 2013	BOM6
						Working pressure	up to 0.6 MPa							
						Pipe size	DN13 up to DN65							