

CIPM MRA Appendix C Calibration and Measurement Capability (CMC) Declarations

Calibration or Measurement Service			Measurand Level or Range			Measurement Conditions/Independent Variable		Expanded Uncertainty					Reference Standard used in calibration		List of Comparisons supporting this measurement/calibration service	Comments to be published via the web page	Administration				
Quantity/ Class	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?	Standard	Source of traceability			NMI Service Identifier	Service Category	NMI	Review Status	Review Comments
Density of liquids	Hydrometers	Cuckow Method, weighing hydrostatic	0.6	2	g/cm ³	Nonane Temperature	15 °C to 20 °C	0.05	g/cm ³	2	95%	No	Nonane	PTB	SIM.M.D-K4 (2007-2008) (as SIC) SIM.M.D-S4 (2012) (as INM)		INM-L11-01	2.2.1	INM Colombia		
						Air Temperature	20 °C														
						Relative Humidity	45% to 55 %														
						Pressure	748 mPa to 750 mPa														
Density of liquids	Liquid	Arquimedes Principle	0.6	2	g/cm ³	Liquid Temperature	20 °C	0.002	g/cm ³	2	95%	No	Cylinder Volume of 145 cm ³ y 146 cm ³	PTB		INM-L11-02	2.2.1	INM Colombia			
						Air Temperature	20 °C														
						Relative Humidity	45% to 55%														
						Pressure	748 mPa to 750 mPa														
Density of solids	Solid	Arquimedes Principle	1	25	g/cm ³	Liquid Temperature	20 °C	0.2	g/cm ³	2	95%	No	Bidistilled Water	ITS-90		INM-L11-03	2.1.1	INM Colombia			
						Air Temperature	20 °C														
						Relative Humidity	45% to 55%														
						Pressure	748 mPa to 750 mPa														
Volume of solid	Solid	Gravimetric method	1		cm ³	Liquid Temperature	20 °C	0.005	cm ³	2	95%	No	Bidistilled Water	ITS-90		INM-L11-04	2.1.2	INM Colombia			
						Air Temperature	20 °C														
						Relative Humidity	45% to 55%														
						Pressure	748 mPa to 750 mPa														

Use as many columns to the right as necessary for review purposes