

## Mass and Related Quantities, Costa Rica, LACOMET (Laboratorio Costarricense de Metrología)



Calibration or Measurement Service			Measurand Level or Range			Measurement Conditions/Independent Variable		Expanded Uncertainty					NMI internal identifier	Comments
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?		
Conventional mass	Mass standards	Direct comparison	1	1	mg	Temperature	19 °C to 21 °C	0.002	mg	2	95%	No	MF-MA-PR-01	Approved on 28 November 2008
						Relative humidity	45 % to 60 %							
Conventional mass	Mass standards	Direct comparison	2	2	mg	Temperature	19 °C to 21 °C	0.002	mg	2	95%	No	MF-MA-PR-01	Approved on 28 November 2008
						Relative humidity	45 % to 60 %							
Conventional mass	Mass standards	Direct comparison	5	5	mg	Temperature	19 °C to 21 °C	0.002	mg	2	95%	No	MF-MA-PR-01	Approved on 28 November 2008
						Relative humidity	45 % to 60 %							
Conventional mass	Mass standards	Direct comparison	10	10	mg	Temperature	19 °C to 21 °C	0.003	mg	2	95%	No	MF-MA-PR-01	Approved on 28 November 2008
						Relative humidity	45 % to 60 %							
Conventional mass	Mass standards	Direct comparison	20	20	mg	Temperature	19 °C to 21 °C	0.003	mg	2	95%	No	MF-MA-PR-01	Approved on 28 November 2008
						Relative humidity	45 % to 60 %							
Conventional mass	Mass standards	Direct comparison	50	50	mg	Temperature	19 °C to 21 °C	0.004	mg	2	95%	No	MF-MA-PR-01	Approved on 28 November 2008
						Relative humidity	45 % to 60 %							
Conventional mass	Mass standards	Direct comparison	100	100	mg	Temperature	19 °C to 21 °C	0.005	mg	2	95%	No	MF-MA-PR-01	Approved on 28 November 2008
						Relative humidity	45 % to 60 %							
Conventional mass	Mass standards	Direct comparison	200	200	mg	Temperature	19 °C to 21 °C	0.007	mg	2	95%	No	MF-MA-PR-01	Approved on 28 November 2008
						Relative humidity	45 % to 60 %							
Conventional mass	Mass standards	Direct comparison	500	500	mg	Temperature	19 °C to 21 °C	0.008	mg	2	95%	No	MF-MA-PR-01	Approved on 28 November 2008
						Relative humidity	45 % to 60 %							
Conventional mass	Mass standards	Direct comparison	1	1	g	Temperature	19 °C to 21 °C	0.010	mg	2	95%	No	MF-MA-PR-01	Approved on 28 November 2008
						Relative humidity	45 % to 60 %							
Conventional mass	Mass standards	Direct comparison	2	2	g	Temperature	19 °C to 21 °C	0.013	mg	2	95%	No	MF-MA-PR-01	Approved on 28 November 2008
						Relative humidity	45 % to 60 %							
Conventional mass	Mass standards	Direct comparison	5	5	g	Temperature	19 °C to 21 °C	0.017	mg	2	95%	No	MF-MA-PR-01	Approved on 28 November 2008
						Relative humidity	45 % to 60 %							
Conventional mass	Mass standards	Direct comparison	10	10	g	Temperature	19 °C to 21 °C	0.020	mg	2	95%	No	MF-MA-PR-01	Approved on 28 November 2008
						Relative humidity	45 % to 60 %							
Conventional mass	Mass standards	Direct comparison	20	20	g	Temperature	19 °C to 21 °C	0.027	mg	2	95%	No	MF-MA-PR-01	Approved on 28 November 2008
						Relative humidity	45 % to 60 %							

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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?		
Conventional mass	Mass standards	Direct comparison	50	50	g	Temperature	19 °C to 21 °C	0.033	mg	2	95%	No	MF-MA-PR-01	Approved on 28 November 2008
						Relative humidity	45 % to 60 %							
Conventional mass	Mass standards	Direct comparison	100	100	g	Temperature	19 °C to 21 °C	0.053	mg	2	95%	No	MF-MA-PR-01	Approved on 28 November 2008
						Relative humidity	45 % to 60 %							
Conventional mass	Mass standards	Direct comparison	200	200	g	Temperature	19 °C to 21 °C	0.10	mg	2	95%	No	MF-MA-PR-01	Approved on 28 November 2008
						Relative humidity	45 % to 60 %							
Conventional mass	Mass standards	Direct comparison	500	500	g	Temperature	19 °C to 21 °C	0.27	mg	2	95%	No	MF-MA-PR-01	Approved on 28 November 2008
						Relative humidity	45 % to 60 %							
Conventional mass	Mass standards	Direct comparison	1	1	kg	Temperature	19 °C to 21 °C	0.53	mg	2	95%	No	MF-MA-PR-01	Approved on 28 November 2008
						Relative humidity	45 % to 60 %							
Conventional mass	Mass standards	Direct comparison	2	2	kg	Temperature	19 °C to 21 °C	1.5	mg	2	95%	No	MF-MA-PR-01	Approved on 28 November 2008
						Relative humidity	45 % to 60 %							
Conventional mass	Mass standards	Direct comparison	5	5	kg	Temperature	19 °C to 21 °C	4	mg	2	95%	No	MF-MA-PR-01	Approved on 28 November 2008
						Relative humidity	45 % to 60 %							
Conventional mass	Mass standards	Direct comparison	10	10	kg	Temperature	19 °C to 21 °C	8	mg	2	95%	No	MF-MA-PR-01	Approved on 28 November 2008
						Relative humidity	45 % to 60 %							
Conventional mass	Mass standards	Direct comparison	20	20	kg	Temperature	19 °C to 21 °C	15	mg	2	95%	No	MF-MA-PR-01	Approved on 28 November 2008
						Relative humidity	45 % to 60 %							
Conventional mass	Mass standards	Direct comparison	50	50	kg	Temperature	19 °C to 21 °C	40	mg	2	95%	No	MF-MA-PR-01	Approved on 28 November 2008
						Relative humidity	45 % to 60 %							