



CALIBRATION CERTIFICATE INFORMATION

Instituto Nacional De Metrologia - Colombia
Avenida Carrera 50 No. 26 - 55 Interior 2

Certificate number: 4637

Object to calibrate: Non Automatic Weighing Instrument (NAWI)

Identification: Balanza Mettler Toledo XPE 205
Serial: B743848411 / AF-07090
Calibration date: 2020-07-16
Calibration place: Bogotá - Colombia. Avenida Carrera 50 No. 26 - 55 Interior 2
Responsible person: Ingeniero Jhon Alexander Barreto Gutiérrez
Físico Jorge Daniel Garcia Benavides

Environmental conditions during calibration

Ambient temperature: 19.85 °C
Barometric pressure: 751.75 hPa
Relative humidity: 46.05 %

NAWI description

Maximum load: 220 mg
Minimum load: 0.01 mg
Readability: 0.01 mg

masscor App Version: 0.1.12

<http://186.155.29.169:3838/masscor/>

Repeatability test results

Table 1: Repeatability test data. Units: [g]

	Load No. 1 / g	Load No. 2 / g	Load No. 3 / g
Ind.1	0.00999	99.99997	199.99995
Ind.2	0.00999	100.00001	200.00000
Ind.3	0.00999	99.99998	199.99998
Ind.4	0.01000	99.99998	199.99999
Ind.5	0.01001	99.99997	199.99996
Ind.6	0.01000	99.99998	199.99996
Ind.7	0.01001	99.99997	199.99996
Ind.8	0.01001	99.99996	199.99997
Ind.9	0.01000	99.99999	199.99995
Ind.10	0.01001	99.99996	199.99996
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Load	0.01	100.00	200.00
Standard.deviation	8.8e-06	1.5e-05	1.7e-05

Excentricity test results

Table: Repeatability test data. Units: [g]

Load No. 1 / g	Load No. 2 / g	Load No. 3 / g	
Ind.1	0.00999	99.99997	199.99995
Ind.2	0.00999	100.00001	200.00000
Ind.3	0.00999	99.99998	199.99998
Ind.4	0.01000	99.99998	199.99999
Ind.5	0.01001	99.99997	199.99996
Ind.6	0.01000	99.99998	199.99996
Ind.7	0.01001	99.99997	199.99996
Ind.8	0.01001	99.99996	199.99997
Ind.9	0.01000	99.99999	199.99995
Ind.10	0.01001	99.99996	199.99996
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Load	0.01	100.00	200.00
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Ind.6	0.01000	99.99998	199.99996
Ind.7	0.01001	99.99997	199.99996
Ind.8	0.01001	99.99996	199.99997
Ind.9	0.01000	99.99999	199.99995
Ind.10	0.01001	99.99996	199.99996
.			
Load	0.01	100.00	200.00
Standard.deviation	8.8e-06	1.5e-05	1.7e-05

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Indication error test