Instituto Nacional de Metrología de Colombia

Calibration Certificate Information

Calibrating Laboratory

Adress

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 ^oC
Barometric pressure:	751.75 hPa
Relative humidity:	46.05 %

NAWI description

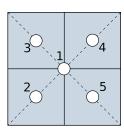|		
Maximum load:	**220**	mg
Minimum load:	**0.01**	mg
Readability:	**0.01**	mg

masscor App Version: 0.1.12
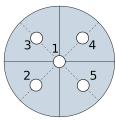
Repeatability test results

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
.			
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 . Load 0.01
100.00 200.00 Standard.deviation 8.8e-06 1.5e-05 1.7e-05
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 . 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