TESTCERTIFICATE

S-A-LE 295

DORSHORST 2
7217PH HARFSEN
NETHERLANDS

INSTRUMENT:	WEIGHING INSTRUMENT
ID NR.:	295
MODEL:	METTLER PM 4600
CAL. DATE:	23 MAY 2017

WEIGHING INSTRUMENT

NR. 295: METTLER PM 4600

SPECIFICATIONS

Range:	0 – 600g / 0 – 4100g
Readability/Accuracy:	0,01g / 0,1g
Voltage:	230 V
Measuring temperature:	20°C +/- 5°C
Calibration weight:	Mettler Toledo 20g E2 Mettler Toledo 1000g E2

The acceptance criterion of the deviation for repeatability and accuracy is 0,1% of the used weight. This criterion is based on an estimated acceptable contribution to the total measurement error of an analysis.

MEASUREMENTS

Measurement	Series 1 (g)	Series 2 (g)	Series 3 (g)	Series 4 (g)
1	20,00	20,00	1000,0	1000,0
2	20,00	20,00	1000,0	1000,0
3	20,00	20,00	1000,0	1000,0
4	20,00	20,00	999,9	1000,0
5	20,00	20,00	1000,0	1000,0
Average	20,00	20,00	999,98	1000,0
Standard deviation	0	0	0,0447	0
Repeatability (%)	0	0	<0,01	0
Accuracy (%) (1)	0	0	<0,01	0

(1) Expressed as deviation of the true weight

Series 1 and 2 are conducted with a weight of 20g. In series 1 the weight was solely placed on the weighing platform. In series 2 an object with a mass of 670g was placed on the platform and the tare option was used. Then the weighing of the 20g weight was conducted.
Series 3 and 4 are conducted with a weight of 1000g. In series 4 the tare option was used after placing the same weight of 670g as in series 2. Then the weighing of the 1000g weight was conducted.

CONCLUSION

The instrument meets the acceptance criterion.

AUTHORISATION: 23-5-2017

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