TESTCERTIFICATE

S-A-LE 248

DORSHORST 2
7217PH HARFSEN
NETHERLANDS

INSTRUMENT:	WEIGHING INSTRUMENT
ID NR.:	248
MODEL:	METTLER SR16000
CAL. DATE:	31 MARCH 2017

WEIGHING INSTRUMENT

NR. 248: METTLER TOLEDO SR16000

SPECIFICATIONS

Range:	50 – 16100g
Readability/Accuracy:	1g
Voltage:	230 V
Measuring temperature:	20°C +/- 5°C
Calibration weight:	Mettler Toledo 1KG 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)
1	1000	1000
2	1000	1001
3	1000	1000
4	1000	999
5	1000	1000
Average	1000	1000
Standard deviation	0	0,7071
Repeatability (%)	0	0,07
Accuracy (%) [1]	0	<0,01

[1] Expressed as deviation of the true weight

Series 1 and 2 are conducted with a weight of 1KG. In series 1 the weight was solely placed on the weighing platform. In series 2 a small chest with a mass of 4230 gram was placed on the platform and the tare option was used. Then the weighing of the 1KG weight was conducted.

CONCLUSION

The instrument meets the acceptance criterion.

AUTHORISATION: 31-3-2017

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