

TESTCERTIFICATE

S-A-LE 255



DORSHORST 2
7217PH HARFSEN
NETHERLANDS

INSTRUMENT:	WEIGHING INSTRUMENT
ID NR.:	255
MODEL:	SARTORIUS LA 230 S
CAL. DATE:	31 MARCH 2017

WEIGHING INSTRUMENT

NR. 255: SARTORIUS LA 230 S

SPECIFICATIONS

Range:	0 – 230g
Readability/Accuracy:	0,1mg
Voltage:	230 V
Temperature:	20°C +/- 5°C
Calibration weight:	Mettler Toledo 100g E2 Mettler Toledo 2g 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	2,0001	1,9999	100,0013	100,0010
2	2,0001	2,0000	100,0008	100,0002
3	1,9996	2,0003	100,0002	100,0025
4	1,9998	2,0001	100,0010	100,0016
5	2,0001	2,0000	100,0013	100,0003
Average	1,9999	2,0001	100,0009	100,0011
Standard deviation	0,0002	0,0002	0,0005	0,0010
Repeatability (%)	0,01	0,01	<0,01	<0,01
Accuracy (%) ⁽¹⁾	<0,01	<0,01	<0,01	<0,01

(1) Expressed as deviation of the true weight

Series 1 and 2 are conducted with a weight of 1000mg. In series 1 the weight was solely placed on the weighing platform. In series 2 a small object with a mass of 45g was placed on the platform and the tare option was used. Then the weighing of the 1000mg weight was conducted.

Series 3 and 4 are conducted with a weight of 100g. In series 4 the tare option was used after placing the mass of 45g. Then the weighing of the 100g weight was conducted.

CONCLUSION

The instrument meets the acceptance criterion.

Calibration certificate:
S-A-LE 253

AUTHORISATION: 31-3-2017



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Date: 31-3-2017