TESTCERTIFICATE

S-A-LE 270

DORSHORST 2
7217PH HARFSEN
NETHERLANDS

INSTRUMENT:	WEIGHING INSTRUMENT
ID NR.:	270
MODEL:	SARTORIUS MC 410S
CAL. DATE:	11 MAY 2017

WEIGHING INSTRUMENT

NR. 270: SARTORIUS MC 410S

SPECIFICATIONS

Range:	0 – 410g
Readability/Accuracy:	0,1mg
Voltage:	230 V
Measuring temperature:	20°C +/- 5°C
Calibration weight:	Mettler Toledo 1g E2
	Mettler Toledo 200g 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	1,0004	0,9995	200,0155	199,8954
2	1,0003	0,9994	200,0158	199,9855
3	1,0004	0,9994	200,0156	199,8955
4	1,0004	0,9996	200,0158	199,8954
5	1,0003	0,9995	200,0155	199,8953
Average	1,0004	0,9995	200,0156	199,9134
Standard deviation	0,0001	0,0001	0,0002	0,0403
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 1g. In series 1 the weight was solely placed on the weighing platform. In series 2 an object with a mass of 200g was placed on the platform and the tare option was used. Then the weighing of the 1g weight was conducted.
Series 3 and 4 are conducted with a weight of 200g. In series 4 the tare option was used after placing the mass of 200g. Then the weighing of the 200g weight was conducted.

CONCLUSION

The instrument meets the acceptance criterion.

AUTHORISATION: 11-5-2017

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Director S-A-LE
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