

Calibration certificate:
S-A-LE 260

TEST CERTIFICATE

S-A-LE 260



DORSHORST 2
7217PH HARFSEN
NETHERLANDS

INSTRUMENT:	WEIGHING INSTRUMENT
ID NR.:	260
MODEL:	METTLER PK 4800
CAL. DATE:	19 APRIL 2017

WEIGHING INSTRUMENT

NR. 260: METTLER PK 4800

SPECIFICATIONS

Range:	0 – 4000g
Readability/Accuracy:	0,01g
Voltage:	230 V
Measuring temperature:	20°C +/- 5°C
Calibration weight:	Mettler Toledo 200g E2 No. 15846 1000g No. 42069

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	199,62	199,59	998,00	998,10
2	199,62	199,63	998,10	998,10
3	199,61	199,62	998,10	998,10
4	199,63	199,64	998,10	998,10
5	199,62	199,63	998,10	998,10
Average	199,62	199,62	998,08	998,10
Standard deviation	0,0071	0,0192	0,0447	0
Repeatability (%)	<0,01	<0,01	<0,01	0
Accuracy (%) ⁽¹⁾	0,19	0,19	0,19	0,19

⁽¹⁾ Expressed as deviation of the true weight

Series 1 and 2 are conducted with a weight of 200g. In series 1 the weight was solely placed on the weighing platform. In series 2 a metal object with a mass of 671,4g was placed on the platform and the tare option was used. Then the weighing of the 200g weight was conducted.

Series 3 and 4 are performed with a weight of 1000g. In series 4 the tare option was used after placing the mass of 671,4g. Then the weighing of the 1000g weight was conducted.

CONCLUSION

The instrument does not meet the acceptance criterion. Therefore it should be correctly adjusted according to the manual.

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AUTHORISATION: 19-4-2017



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