

Calibration certificate:  
S-A-LE 253

# TEST CERTIFICATE

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S-A-LE 253



DORSHORST 2  
7217PH HARFSEN  
NETHERLANDS

INSTRUMENT:	WEIGHING INSTRUMENT
ID NR.:	253
MODEL:	METTLER PC 2000
CAL. DATE:	31 MARCH 2017

# WEIGHING INSTRUMENT

NR. 253: METTLER PC 2000

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## SPECIFICATIONS

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Range: 5 – 2000g  
Readability/Accuracy: 0,01g  
Voltage: 230 V  
Measuring temperature: 20°C +/- 5°C  
Calibration weight: Mettler Toledo 200g E2  
Mettler Toledo 20g 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.

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## MEASUREMENTS

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Measurement	Series 1 (g)	Series 2 (g)	Series 3 (g)	Series 4 (g)
1	199,99	199,99	20,00	20,00
2	200,00	199,99	20,00	20,00
3	200,00	199,99	20,00	20,00
4	200,00	200,00	20,00	20,00
5	200,00	199,99	20,00	20,00
Average	200,00	199,99	20,00	20,00
Standard deviation	0,0045	0,0045	0	0
Repeatability (%)	<0,01	<0,01	0	0
Accuracy (%) <sup>(1)</sup>	<0,01	<0,01	0	0

<sup>(1)</sup> Expressed as deviation of the true weight

Series 1 and 2 are performed with a weight of 200g. In series 1 the weight was solely placed on the weighing platform. In series 2 a small metal object with a mass of 670,9g was placed on the platform and the tare option was used. Then the weighing of the 200g weight was performed.

Series 3 and 4 are performed with a weight of 20g. In series 4 the tare option was used after placing the mass of 670,9g. Then the weighing of the 20g weight was performed.

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## CONCLUSION

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The instrument meets the acceptance criterion.

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**AUTHORISATION: 31-3-2017**

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Date: 31-3-2017