testcertificate

S-A-LE 483



Dorshorst 2

7217PH Harfsen  
 Netherlands

Instrument: Weighing instrument  
id nr.: 483

Model: Mettler Toledo PB153-S  
CAL. Date: 11 Septemer 2018

Weighing instrument

nr. 483: Mettler Toledo PB153-S

# Specifications

Range: 0.02 – 151g

Readability/Accuracy: 0.001g

Measuring temperature: 20°C +/- 5°C

Calibration weight: Mettler Toledo 2g-E2 611-8141

Mettler 100g OIML FI

The acceptance criteria for repeatability and accuracy are set at 0,1% of the used weight. These criteria are based the estimated acceptable contribution to the total measurement error.

# Measurements

|  |  |  |
| --- | --- | --- |
| Meting | Series 1 | Series 2 |
| 1 | 1,999 | 99,945 |
| 2 | 1,999 | 99,944 |
| 3 | 1,999 | 99,944 |
| 4 | 1,999 | 99,945 |
| 5 | 1,998 | 99,944 |
| Average | 1,999 | 99,944 |
| Standard deviation (g) | 0,0004 | 0,0005 |
| Repeatability (RSD%) | 0,022 | 0,00055 |
| Accuracy (Dev.%) | -0,060 | -0,056 |
| Accuracy (g) | -0,0012 | -0,056 |
| Criteria (g): | 0,002 | 0,1 |
| Rating repeatability: | OK | OK |
| Rating accuracy: | OK | OK |

Series 1 is conducted with a reference weight of 2 grams, the weight was placed in the middle of the weighing platform. Series 2 is conducted with a reference weight of 100 grams, the reference weight was placed in the middle of the weighing platform.

# Conclusion

The instrument meets the acceptance criteria.

# C:\Users\kain\Pictures\KAIN\Handtekening.pngAuthorisation: 11-9-2018

H. Kerkdijk,

Director S-A-LE

Date: 11-9-2018