



Calibration laboratory accredited by
Polish Centre for Accreditation, a signatory to EA MLA and ILAC MRA
that include recognition of calibration certificates.
Accreditation No AP 069.



AP 069



CALIBRATION CERTIFICATE

Date of issue: 24 May 2019

Certificate No: 5039/1631/19

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OBJECT OF CALIBRATION Mass standard Serial No: 21615
Manufacturer: RADWAG Wagi Elektroniczne (Poland)
Nominal: 20 kg Class (R111 OIML): M1 Year of production: 2019
characteristic:
*shape: block weight rectangular
monobloc without adjusting hole*
material: cast iron
density: 7800 kg/m³

APPLICANT RADWAG Wagi Elektroniczne
ul. Toruńska 5, 26-600 Radom

CALIBRATION METHOD Calibration procedure: PW 03 rev. XIII of 1 March 2019

ENVIRONMENTAL CONDITIONS Air temperature: (21,84 + 21,91) ± 0,25 °C
Relative humidity: (47,1 + 47,5) ± 0,40 %
Air pressure: (994,3 + 994,5) ± 0,70 hPa

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TRACEABILITY This certificate is issued under the agreement EA MLA in the field of calibration and provides traceability of measurement results to the International System of Units (SI).

CALIBRATION RESULTS The results data has been presented on page 2 of this certificate including uncertainty of measurement.

UNCERTAINTY OF MEASUREMENT Uncertainty of measurement has been evaluated in compliance with EA-4/02 M:2013. The expanded uncertainty assigned corresponds to a coverage probability of 95% and the coverage factor k = 2.



KIEROWNIK
Laboratorium Pomiarowego
Tomasz Jędrzejewski

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**CALIBRATION
RESULTS**

Calibration results are the following:

Nominal mass m	Marking	Mass m_{wz}	Uncertainty of measurement U
20 kg	M GE3	20 kg + 540,3 mg	350,0 mg

Accept conditions: Mass standards density $8000 \text{ kg/m}^3 (\pm 140) \text{ kg/m}^3$ and air density $1,2 (\pm 0,12) \text{ kg/m}^3$.

Authorized by: Tomasz Jędrzejewski

