

# CALIBRATION LABORATORY N° 19

## EL BALANCERO S.R.L.

### SERVICES, FIELD OF MEASURES AND MEASUREMENT UNCERTAINTY

#### Weights

Weight Nominal Value	Class	Density	Minimal measurement uncertainty
100 g	From M1	Higher than 7 kg / dm <sup>3</sup>	∇1 mg
200 g	From M1	Higher than 7 kg / dm <sup>3</sup>	∇3 mg
500 g	From M1	Higher than 7 kg / dm <sup>3</sup>	∇8 mg
1 kg	From M1	Higher than 7 kg / dm <sup>3</sup>	∇15 mg
2 kg	From M1	Higher than 7 kg / dm <sup>3</sup>	∇30 mg
5 kg	From M1	Higher than 7 kg / dm <sup>3</sup>	∇70 mg
10 kg	From M1	Higher than 7 kg / dm <sup>3</sup>	∇0.15 mg
20 kg	From M1	Higher than 7 kg / dm <sup>3</sup>	∇0.30 mg
500 kg	0.5 / 10,000	Higher than 4.4 kg/ dm <sup>3</sup>	∇8 g
1000 kg	0.5 / 10,000	Higher than 4.4 kg/ dm <sup>3</sup>	∇18 g

#### Mass determination

Mass value	Minimal Measurement Uncertainty
100.001 g to 500 g	∇ 8 mg
500.001 g to 2,000 g	∇ 30 mg
2,000.001 g to 5,000 g	∇ 70 mg
5,000.01g to 10,000 g	∇ 0.15 mg
10,000.01 g to 20,000 g	∇ 0.30 mg

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#### Scales

Calibration of scales that allow rolling loads, up to a capacity of 120,000 kg of automatic or non-automatic equilibrium	d or $d_d$ from 0.1 kg to 100 kg	Class III and IIII
Calibration of scales that do not allow rolling loads, up to a capacity of 120,000 kg of automatic or non-automatic equilibrium	d or $d_d$ from 0.05 kg to 100 kg	Class III and IIII
Calibration of scales up to a capacity of 30 kg	d or $d_d$ from 0.001 kg to 0.2 kg	Class III and IIII