Hellenic Accreditation System

Annex F2/6 to the Certificate No. **1192**-3

SCOPE of ACCREDITATION

of the

Calibration Laboratory

of

ΖΥΓΙΣΙΣ Ε.Ε.
(ZYΓISIS)

Calibration item / Parameters	Range of measurement	Expanded measurement uncertainty (k=2)*	Remarks
Mass Measurements			
			Calibration capability of mass standards of class OIML-R-111-1:2004
Mass Standards	100g	15 mg	Up to (including) M3
	200g	30 mg	>> M3
	500g	25 mg	>> M2
	1 kg	16 mg	>> M1
	2 kg	30 mg	>> M1
	5kg	25 mg	>> F2
	10kg	50 mg	>> F2
	20kg	100 mg	>> F2
	50kg	250 mg	>> M1
	100kg	1,6 g	>> M1
	200kg	3,0 g	>> M1
	500 kg	25 g	>> M2
	1000 kg	50 g	>> M2
Non-automatic weighing instruments	100 g	0,17 mg	According to the guide EURAMET cg-18 v4.0 (11/2015). Calibration is carried out on-site. Use of mass standards of OIML class: - F1 100g to 5kg, max grouped load 10 kg - F1: 10 kg - F1: 20 kg
	200 g	0,30 mg	
	500 g	0,80 mg	
	1 kg	1,6 mg	
	2 kg	3,1 mg	
	5 kg	8,3 mg	
	10 kg	16 mg	
	20 kg	30 mg	

Calibration item / Parameters	Range of measurement	Expanded measurement uncertainty (k=2)*	Remarks
	50 kg	0,25 g	- F2: 20 kg (10 pieces), max grouped load: 200 kg - M1: 50 kg (2 pieces), max grouped load: 100 kg - M1: 100kg (2 pieces), max grouped load: 200 kg - M1: 200 kg (5 pieces), max grouped
	100 kg	0,50 g	
	200 kg	1,0 g	
	500 kg	8,0 g	
	1000 kg	50 g	
	[1000 kg to 12000 kg]	50 g to 600 g	
	[12000 kg to 60000 kg]	$\sqrt{2{,}5 \cdot 10^{-9} I^2 + 4(n - \frac{1}{2})\frac{d^2}{3}}$ (kg) I: Indication of load in kg d: Resolution in kg n: Number of substitutes weights and reference mass $m_{cl.}$	According to EURAMET cg-18 v4.0 (11/2015) by use of substitution loads. Calibration is carried out on-site.

** Where uncertainty (with a probability of 95% coverage) is accompanied by the corresponding unit, it is absolute, while where it is not accompanied by a unit, it is relative.*

Calibration & Measurement Capability (CMC), includes the measured quantity, measurement range and measurement uncertainty and expresses the smallest measurement uncertainty that can be achieved during a calibration.

Permanent laboratory premises address: **Ampelotopoi No. 715- Lakkoma, 63080, Chalkidiki.**
Approved Signatories: **Stylianos Torofias**, **Eleftherios Tsaousidis.**

This scope of Accreditation replaces the previous one dated 12.02.2024.
The Accreditation Certificate No. **1192**-3, to ELOT EN ISO/IEC 17025:2017, is valid until 20.01.2029.

Athens, 05.02.2025

Konstantinou Evangelos Apostolos
CEO of ESYD