Hellenic Accreditation System

Annex F2/1 to the Certificate No. **1434**

SCOPE of ACCREDITATION

of the

Laboratory

of

ALFATEC P.C.

for the performance of calibrations

Calibration item / Parameters	Range of measurement	Expanded Measurement Uncertainty (k=2)*	Remarks
Density measurements			
Density / Digital oscillation density meters	750 kg/m^3 to 1550 kg/m^3	0.02 kg/m^3 to 0.06 kg/m^3	According to SIM MWG7/cg-02/v.00, 2016 for mpe > 0.05 kg/m^3 Calibration can be performed on site.
Viscosity measurements			
Kinematic Viscosity / Digital Stabinger Viscometers (SVM)	1 mm^2/s to 1500 mm^2/s	0.30 % to 0.90 %	Internal lab procedure OE12-3, using reference standards for Stabinger viscometers. Calibration can be performed on site.
Temperature measurements			
Temperature/ Direct reading thermometers with digital / analog display, digital temperature data loggers	[0 to 250) ºC	0.30 ºC	Internal lab procedure OE12-1, according to guide DKD-R 5-1:2018. Comparative method within thermostatic oil bath using Pt100 platinum resistance thermometer.
	[5 to +150] ºC	0.10 ºC	Internal lab procedure OE12-1, according to guide DKD-R 5-1:2018. Comparative method within the thermostatic cell of the device to be calibrated, using Pt100 platinum resistance thermometer. Calibration can be performed on site.

** Where the expanded uncertainty (with 95% coverage) is accompanied by the corresponding unit, it is absolute, whereas when it is not accompanied by a unit, it is relative.*

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

Permanent laboratory premises address: **3, Kanari Street, 153 44 Gerakas Attikis, Greece.**
Approved Signatories: **Georgios Panagiotis Gonatas, Ioannis Hector Haloulos.**

The Accreditation Certificate No. **1434**, to ELOT EN ISO/IEC 17025:2017, is valid until 06.11.2029.

Athens, 07.11.2024

Konstantinos Kourtalis
Chairman of ESYD