



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

ISOTOP LTD.  
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CALIBRATION

Valid To: June 30, 2021

Certificate Number: 5233.01

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following calibrations<sup>1, 4</sup>:

I. Dimensional

Parameter/Equipment	Range	CMC <sup>2</sup> (±)	Comments
Sieves	(0.063 to 4.75) mm (0.056 to 12.05) mm (19.0 to 125) mm	5 µm 0.06 mm 0.07 mm	Optical comparator Digital caliper
Vernier Caliper	Up to 500 mm	0.02 mm	Gage blocks
Steel Rulers	10 mm to 1 m	0.25 mm	Digital standard rule
Indicators – Dial Digital	(10 to 25) µm (10 to 25) µm	3 µm 2 µm	Dial gage calibrators, gage blocks

## II. Mechanical

Parameter/Equipment	Range	CMC <sup>2,3</sup> (±)	Comments
Force Devices & Machines – Compressions Tension	500 N to 1800 kN 500 N to 75 kN	0.5 % 0.4 %	Load cells
Scales & Balances	Up to 200 g (>200 to 1000) g (>1 to 16) kg (>16 to 50) kg (>30 to 50) kg (>50 to 250) kg	0.3 mg 0.01 g 0.1 g 1 g 5 g 100 g	Standard weights

## III. Thermodynamics

Parameter/Equipment	Range	CMC <sup>2</sup> (±)	Comments
Temperature – Liquid in Glass Thermometer	(5 to 98.5) °C	0.5 °C	Reference thermometer water bath
Temperature – Electronic Thermometers with Sensors	(5 to 98.5) °C	0.2 °C	Reference thermometer water bath
Temperature – Uniformity Test Water Bath	(20 to 100) °C	0.5 °C	Type K thermocouple, recorder
Temperature Water Bath	(20 to 100) °C	0.5 °C	Type K thermocouple, recorder
Ovens	(35 to 180) °C	0.5 °C	Type K thermocouple, recorder

#### IV. Time & Frequency

Parameter/Equipment	Range	CMC <sup>2</sup> (±)	Comments
Stop watches	(10 to 1800) s (1800 to 3600) s	0.3 s 1.4 s	Reference stop watch
Timers	(10 to 1800) s	0.7 s	Reference stop watch

<sup>1</sup> This laboratory offers commercial calibration services.

<sup>2</sup> Calibration and Measurement Capability Uncertainty (CMC) is the smallest uncertainty of measurement that a laboratory can achieve within its scope of accreditation when performing more or less routine calibrations of nearly ideal measurement standards or nearly ideal measuring equipment. CMCs represent expanded uncertainties expressed at approximately the 95 % level of confidence, usually using a coverage factor of  $k = 2$ . The actual measurement uncertainty of a specific calibration performed by the laboratory may be greater than the CMC due to the behavior of the customer's device and to influences from the circumstances of the specific calibration.

<sup>3</sup> In the statement of CMC, percentages are to be read as percent of reading unless otherwise noted.

<sup>4</sup> This scope meets A2LA's *P112 Flexible Scope Policy*.



## Accredited Laboratory

A2LA has accredited

**ISOTOP, LTD**

*Gedera, ISRAEL*

for technical competence in the field of

**Calibration**

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017 *General requirements for the competence of testing and calibration laboratories*. This laboratory also meets R205 – Specific Requirements: Calibration Laboratory Accreditation Program. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communiqué dated April 2017).



Presented this 22<sup>nd</sup> day of May 2019.

A blue ink signature of the Vice President of Accreditation Services.

Vice President, Accreditation Services  
For the Accreditation Council  
Certificate Number 5233.01  
Valid to June 30, 2021

*For the calibrations to which this accreditation applies, please refer to the laboratory's Calibration Scope of Accreditation.*