SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

MICROSEP (PTY) LTD
2 Saturn Crescent
Linbro Business Park
Sandton, SOUTH AFRICA 2196
Asheel Soorjbully Phone: 27 11 553 2300

CALIBRATION

Valid To: March 31, 2026 Certificate Number: 3893.01

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following calibrations[1, 5]:

I. Mechanical

Parameter/Equipment	Range	CMC[2] (±)	Comments[4]
Digital Self-Indicating Weighing Instruments[3]	Up to 6.1 g (6.1 to 52) g (52 to 220) g (220 to 520) g 520 g to 5.1 kg (5.1 to 10.1) kg (10.1 to 64.1) kg (64.1 to 150) kg (150 to 600) kg (600 to 2000) kg	0.048 mg 0.11 mg 0.34 mg 0.90 mg 20 mg 40 mg 7.7 g 24 g 0.1 kg 0.44 kg	OIML class E2, F1, F2, M2, ASTM class 1 mass pieces

[1] This laboratory offers commercial calibration service and field calibration service.

[2] 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.

[3] Field calibration service is available for this calibration. Please note the actual measurement uncertainties achievable on a customer's site can normally be expected to be larger than the CMC found on the A2LA Scope. Allowance must be made for aspects such as the environment at the place of calibration and for other possible adverse effects such as those caused by transportation of the calibration equipment. The usual allowance for the uncertainty introduced by the item being calibrated, (e.g., resolution) must also be considered and this, on its own, could result in the calibration uncertainty being larger than the CMC uncertainty.

[4] Technical Signatories – Freeman Baloyi, Keagan Buys, Duncan Hughes, Gareth Lottering, Morne Janse van Rensburg; Zandre Joubert, Berend Kruger, Amith Ramdeo, Janika Reynders

[5] This scope meets A2LA's *P112 Flexible Scope Policy*.

Accredited Laboratory

A2LA has accredited

MICROSEP (PTY) LTD

Sandton, SOUTH AFRICA

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 2nd day of April 2024.

Mr. Trace McInturff, Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 3893.01
Valid to March 31, 2026

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