LABFIX
LABORATORY EQUIPMENT : CALIBRATION • SALES • SERVICE • REPAIRS
sanas Calibration Laboratory
116-03-00 / 116-14-00 / 116-02-00 / 116-22-00 / 116-17-00
Tel : 031 708 4336 • E-mail : seshum@labfix.co.za • Website : http://www.labfix.co.za
316 Underwood Road, Sarnia • Durban, Kwa-Zulu Natal
SANAS Accredited for: *Temperature*Mass And Volume*Pressure*Viscosity*Humidity
(Please refer to schedule)

CALIBRATION CERTIFICATE

Certificate Number: 393187/30

Customer Name & Address	South African Medical Research Council 491 Peter Mokaba Ridge Road, Overport, Durban	**Date Calibration**	25/03/2025
		Due Date	25/09/2025
		Date of Issue	27/03/2025
		Contact Name	Hassen Bhayat
		Contact No	0312423600

DETAILS OF UNIT UNDER CALIBRATION (UUC)

Name of Instrument	: Micropipette	**Identification No**	: KG11861
Make	: Capp Bravo	**Serial No**	: KG11861
Model	: 100-1000µl	**Range**	: 100 to 1000 µL
Location	: Labfix - Verulam	**Resolution/Least Count**	: 1 µL
Condition of Instrument	: Acceptable for Calibration : Yes	**Calibration Location**	: In House
Department	: Laboratory	**Calibration Procedure**	: CM03

Environmental Conditions: **Temperature:** 25.1 °C **Humidity:** 66.8 %RH

DETAILS OF STANDARD USED FOR CALIBRATION

Instrument Name	Serial No	Certificate No	Expiry Date
Analytical Balance	LCA 11/62	185943	20/09/2025
Barometer	23020795077	195001	22/03/2026
Digital Thermometer	LCA 11/440	190883	15/11/2025

Discipline : Mechanical - Volume

Calibration Results

Nominal Value	Measured Mass of Distilled water	Actual Volume Delivered	Expanded Uncertainty (±)
µL	g	µL	µL
100	0.10347	103	1
200	0.20252	203	6
500	0.50230	502	6
700	0.70435	704	6
1000	1.00532	1005	6

Notes:

. The results reported relate only to the calibration item/s mentioned above.

. The reported uncertainty is based on a standard uncertainty multiplied by a coverage factor of k=2, which provides a level of confidence of approximately 95%, the uncertainty of measurement has been estimated in accordance with the principles defined in the GUM, Guide to Uncertainty of Measurement, ISO, Geneva, 2008.

. The results reflected on this certificate were entered directly on the PC.

Calibrated By	Technical Signatory
Kajodhaparsadh	Seshum Naidoo
Calibration Technician	Metrologist

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VALIDITY/CONDITIONS OF CALIBRATION

1. The values of this certificate and its results were correct at the time of calibration. Subsequent accuracy will depend on various factors such as handling, frequency of use, operating temperature and operation other than specified by the manufacturer.
2. It is recommended that re-calibration be undertaken at an interval that will ensure that the instrument remains within the desired limits. The results of the measurements are traceable to the national or international measurement standards.
3. The uncertainty limits quoted refer to the measured values only, with no account being taken of the instruments ability to maintain its calibration.
4. In the event of any erroneous calibration / certification of work performed for the applicant, any legal liability arising shall be limited to the cost of re-calibration and / or certification. LABFIX will not be held responsible for any claims, consequential damage or loss.
5. The calibration status expires if the seal is broken, or the instrument is adjusted or tampered with.
6. This certificate may not be reproduced except in full without the written approval of LABFIX.

Calibrated By	Technical Signatory
Kajodhaparsadh	Seshum Naidoo
	
Calibration Technician	Metrologist