

CALIBRATION CERTIFICATE

SUBJECT: CALIBRATION OF MICROPIPETTE	CERTIFICATE NO.: ML/MCH/0908/02/2022-23	
	Certificate Issue Date 20/03/2023	Page 1 of 1

1. Scope

1.1 Service Request Details

- 1.1.1 Service Request No.
1.1.2 Service Request Finalized On
1.1.3 Unique Lab Report Number (ULR No.)
1.1.4 Discipline / Group
1.1.5 Name & Address of Organization

Calibration
ML/0908/22-23
18/03/2023
CC266423000007340F
Mechanical / Volume
HEER LAB



116-120, National Plaza, Opp. Ayurvedic College, Above Kabir Restaurant, Station Road, Surat, Gujarat, India, 395003.

1.2 Item Details

1.2.1 Condition of the Item

Working

1.2.2

Nomenclature	Micropipette		
Manufacturer	P'fact	Model No.	---
ID No.	RL674696	Sr.No.	RL674696
Range	10 to 100 µl	Type	---
Least Count	0.5 µl	Accuracy	---
Department	---	Location	---

1.3 Item Received On

Dt. 17/03/2023

1.4 Details of Test Equipments Used

Instrument Name	UID No.	Certificate No.	Make	Due Date
Micro Balance	ML/DWB/009	NC-520	RADWAG	09/10/2023

1.4.1 Operating Procedures Used:

ML/SOP/M/WWW/003

1.4.2 Reference Standard:

ISO 8655-6

1.5 Date of Calibration:

18-March-2023

1.6 Recommended Due Date of Calibration:

17-March-2024

1.7 OBSERVATIONS:

1.7.1 Laboratory Ambient:

Temperature: 23.6 °C (22.5±4.5)

Humidity: 55.4 %RH (50±10)

Pressure: 1001.2 hPa (950±100)

1.7.2 Parameter:

Volume (µl)

Measured Value Converted @27°C

Sr. No.	Measured Value on Master (A)	Set Value on IUC (B)	Error (B - A)	(±) Expanded Uncertainty
1	20.271	20	-0.271	0.3 µl
2	50.385	50	-0.385	0.3 µl
3	90.742	90	-0.742	0.3 µl

1.8 General Remarks:

- The reported uncertainty is the expanded uncertainty in measurement obtained by multiplying the standard uncertainty by the coverage factor k=2, which corresponds to a coverage probability of approximately 95.45% for a normal distribution.
- Uncertainty to be calculated at Max Error / Full Range of IUC
- Any anomalies/Discrepancies in the certificate should be brought to our notice within 30 days from the date of issue Certificate.
- IUC* (Instrument Under Calibration)
- The Measurements are metrologically traceable to applicable national /International Standards.
- Any hand written corrections (except @) or photocopies of the report invalidates this certificate.
- The results related to the item calibrated.

Calibrated By: Pankaj Lad, Senior Calibration Engineer

AUTHORISED SIGNATORY

Ranjit Rohit / Hitesh Patel
Technical Director / Quality Manager

*** End of Certificate ***

Doc. No. Form-21, Amend. 05 Dt.. 01-01-2022