





CC-2664

CALIBRATION CERTIFICATE

SUBJECT: CALIBRATION OF MICROPIPETTE	CERTIFICATE NO.: ML/MCH/1381/01/2023-24		
	Certificate Issue Date 23/09/2023	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

Name & Address of Organization

Calibration

ML/1381/23-24

18/09/2023

CC266423000027465F Mechanical / Volume

NOBEL MICROPATH LABORATORY

G3, Ground floor, Infinity Tower, near Railway Station, Surat, Gujarat,

India, 395003.

1.2 Item Details

Condition of the Item Working 1.2.1

1.2,2 Nomenclature Micropipette Model No. Manufacturer. Thermo Scientific TW02259 TW02259 Sr.No. ID No. Analog (Variable) 100 to 1000 μl Type Range Accuracy 1 µ Least Count Location Department

1.3 Item Received On

1.4

alls of Test Equipments Used					
Instrument Name	UID No.	Certificate No.	Make	Due Date	
Micro Balance	ML/DWB/009	NC-520	RADWAG	09/10/2023	
WIETO BAIAILE	1412/0440/003	710000			

Dt. 20/09/2023

1.4.1 Operating Procedures Used:

ML/SOP/M/WWV/003 ISO-TR 20461

Reference Standard: 1.4.2

Date of Calibration:

21-September-2023

Recommended Due Date of Calibration: 1.6

20-September-2024

OBSERVATIONS: 1.7

1.7.1 Laboratory Ambient:

Temperature: 25.4 °C (22.5±4.5)

Humidity: 51.3 %RH (50±10)

Pressure: 1001.2 hPa (950±100)

1.7.2

1.5

Parameter:		Volume (µl)	Measured value converted @27 C		
Sr. No.	Sr.	Measured Value on Master (A)	Set Value on IUC (B)	Error (B - A)	(±) Expanded Uncertainty
-	40.	200.539	200	-0.539	0.86 μΙ
H.	1 / -	499.632	500	0.368	0.86 µl
1	-	900.828	900	-0.828	0.86 μΙ

1.8

- 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

 Uncertainty to be calculated at Max Error will be brought to cur notice within 20 days from the date of laws.
- 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.

ior Calibration Engineer Calibrated By: P

AUTHORISED SIGNATORY

Ranjit Rohit 🔼 Technical Director Manage

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