



Indian Calibration Services

An Exclusive House for Validation & Calibration of Analytical Instruments
304 & 313, Laxmi Deep, District Centre, Near Nirman Vihar Metro Station, Laxmi Nagar, Delhi-110092

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CALIBRATION CERTIFICATE

Page 1 of 1

CALIBRATION CERTIFICATE OF MICROPIPETTE

Certificate No:	24700008507	Issued On:	20/05/2024
ULR No:	CC214624700008507F	Calibration Date:	18/05/2024
Job Identification No:	ICS/C/MVD/05/8507	Next Calibration Date:	17/05/2025
Ref. No:	SRF, Dated - 13/05/2024	Receipt Date:	16/05/2024

CALIBRATED FOR:	M/s TATA 1mg Technologies Pvt. Ltd. Tata Steel BSI Ltd., Plot No. 670P and 224P, Village-Dhenkanal, Meramandali Township-759121, Odisha.
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EQUIPMENT DESCRIPTION

Name	Variable Micropipette		
Make/Model	Thermo Scientific / FinnpiPETTE F1	Visual Inspection	OK
Serial No.	UW00982	I.D. No.	TATA 1mg/ANGUL/LAB/PIP-03
Range	2 µl - 20 µl	Least Count	0.02 µl
Location	---	Calibration Site	In-Lab

ENVIRONMENTAL CONDITIONS

Temperature	25.0 °C ± 3.0° C	Humidity	50 ± 10 % RH
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STANDARD REFERENCE DETAILS Traceable to National / International Standard

Name	Make	Certificate No.	Calibration Agency	Calibration Date	Valid Upto
Digital Weighing Balance	Sartorius	24700000001	Indian Calibration Services, Delhi	01/01/2024	31/12/2024
Digital Weighing Balance	AND	24700000002	Indian Calibration Services, Delhi	01/01/2024	31/12/2024

USED EQUIPMENT DETAILS	N/A
PRINCIPLE/METHODOLOGY OF CALIBRATION:	As per Calibration Procedure No.: ICS/CAL/SOP-M03 (Gravimetric Method), ISO 8655-6

RESULTS: Mechanical Calibration (Volume)

Below Volume is determined at 27°C

U.U.C. Reading (in ml)	Standard Measured Volume (in ml) (Average)	Uncertainty [^]
0.00200 (02.00 µl)	0.001945 (01.945 µl)	± 0.09 µl
0.01000 (10.00 µl)	0.009897 (09.897 µl)	± 0.09 µl
0.02000 (20.00 µl)	0.01981 (19.81 µl)	± 0.2 µl

[^]The reported expanded uncertainty of measurement is stated as the standard uncertainty in measurement multiplied by the coverage factor k = 2, which for a normal distribution corresponds to a coverage probability of approximately 95%.

REMARKS: The recommended date for next calibration is mentioned, as asked by the customer.

***END OF REPORT ***

- Note : 1. This report is not to be reproduced wholly or in part and cannot be used as an evidence in the Court of Law and should not be used in any advertising media without our special permission in writing.
2. The result listed refer only to the tested samples and applicable parameters. Endorsement of products is neither inferred nor implied.
3. Total liability of our Organisation is limited to the invoiced amount.
4. Samples will be destroyed after one month from the date of issue of Calibration Certificate unless otherwise specified.
5. In case any reconfirmation of contents of this Calibration Certificate is required, Please contact our office.
6. The calibration certificate/Test Report is valid only for the condition of the UUC at the time under stated condition of calibration.

For and on behalf of
Indian Calibration Services

Checked by

Authorised Signatory



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CALIBRATION CERTIFICATE

Page 1 of 1

CALIBRATION CERTIFICATE OF MICROPIPETTE

Certificate No:	24700008447	Issued On:	20/05/2024
ULR No:	CC214624700008447F	Calibration Date:	17/05/2024
Job Identification No:	ICS/C/MVD/05/8447	Next Calibration Date:	16/05/2025
Ref. No:	SRF, Dated - 13/05/2024	Receipt Date:	16/05/2024

CALIBRATED FOR: M/s TATA 1mg Technologies Pvt. Ltd.
 Tata Steel BSI Ltd., Plot No. 670P and 224P,
 Village-Dhenkanal, Meramandali Township-759121, Odisha.

EQUIPMENT DESCRIPTION

Name	Variable Micropipette		
Make/Model	Thermoscientific/finnpipette	Visual Inspection	Ok
Serial No.	UW01073	I.D. No.	TATA 1mg/ANGUL/LAB/PIP-01
Range	20 µl - 200 µl	Least Count	0.2 µl
Location	---	Calibration Site	In-Lab

ENVIRONMENTAL CONDITIONS

Temperature	25.0 °C ± 3.0 °C	Humidity	50 ± 10 % RH
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STANDARD REFERENCE DETAILS Traceable to National / International Standard

Name	Make	Certificate No.	Calibration Agency	Calibration Date	Valid Upto
Digital Weighing Balance	AND	24700000002	Indian Calibration Services, Delhi	01/01/2024	31/12/2024

USED EQUIPMENT DETAILS

N/A

PRINCIPLE/METHODOLOGY OF CALIBRATION:

As per Calibration Procedure No.: ICS/CAL/SOP-M03 (Gravimetric Method), ISO 8655-6

RESULTS: Mechanical Calibration (Volume)

Below Volume is determined at 27°C

U.U.C. Reading (in ml)	Standard Measured Volume (in ml) (Average)	Uncertainty [^]
0.0200 (020.0 µl)	0.02025 (0020.25 µl)	± 0.2 µl
0.1000 (100.0 µl)	0.10041 (0100.41 µl)	± 0.2 µl
0.2000 (200.0 µl)	0.20056 (0200.56 µl)	± 0.2 µl

[^]The reported expanded uncertainty of measurement is stated as the standard uncertainty in measurement multiplied by the coverage factor k = 2, which for a normal distribution corresponds to a coverage probability of approximately 95%.

REMARKS: The recommended date for next calibration is mentioned, as asked by the customer.
 *** END OF REPORT ***

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For and on behalf of
Indian Calibration Services

Checked by

Authorised Signatory

RAJESH KAPOOR