

4542403330

TMSCC
An NABL Accredited Calibration Laboratory

CALIBRATED

Name of the Inst. :	Micro Pipette	
ID No./Sl. No.:	4542403330	
Cal Date:	15/05/24	Due On: 14/05/25
Calibrated by:		File Status: <input checked="" type="checkbox"/>



TMSCC

TESTING MACHINE SERVICE AND CALIBRATION CENTRE
Precision is Our Destination.....

An ISO 9001 : 2015 Certified company
Calibration of Various Instruments & Testing Machines...



CC - 3125

Form No.: TMSCC/R/23

CALIBRATION CERTIFICATE

CALIBRATION CERTIFICATE NO: 2024/05/2585 Page 1 of 1

ISSUE DATE: 25-Jun-2024

ULR No.: CC3125240000126181P

1.0 ISSUED TO: M/s. Clinica Diagnostics
(A Unit of Clinica Life Care Private Limited)
Krishnanagar Road (NII-34), Nonpara, Barasat,
Kolkata - 700124.



1.1 Service Request Form No: SRF/2024/05/15/06

1.2 Service Request Form No: 15-05-2024

1.3 Location: At Lab

Description identification of item to be calibrated

1.4	i	Name	Micro Pipette	ii	Make	Sartorius
	iii	Model / Type No.	--	iv	S/L No.	4542403330
	v	ID No.	--	vi	Job Code No.	2024/05/2585
	vii	Range	(5 to 50) µl	viii	Resolution	0.5 µl
	ix	Accuracy	As Per ISO 8655-6	x	End User	--

1.5 Full / Partial Calibration: Partial Calibration

1.6 Applicable specification of item to be calibrated: Accuracy / permissible limit: Not Specified

1.7 Date of receipt of item: 15-May-2024 1.8 Date of calibration: 15-May-2024

1.9 Calibration due on: 14-May-2025 2.0 Frequency of calibration once in: 12 Months

2.1 Environmental condition during calibration: Temperature: 20.1 °C
Humidity: 52 % RH

2.2 Basis of calibration: SOP/04/02

2.3 Traceability Standards used for calibration are traceable to National Standards through NABL accredited Laboratory

Name of the Instrument	SL No./ Id No.	Certificate No.	Lab Certificate No.	Calibrated On	Due On
Digital Weighing Balance	(TMSCC/EB/01) (SI No - 14255716)	TC/23-24/4262-04	CC - 2230	09-11-2023	08-11-2024
Digital Temperature Indicator with Sensor(RTD)	(Indicator SI No - 18K588073) (Sensor Id No - TMSCC/RTD/01)	TSC/23-24/13010-4	CC - 2231	09-11-2023	08-11-2024

CALIBRATION RESULTS

SL No.	Denomination Volume in µl	Observed Reading at Ref. Std. Balance in g (Avg. of five readings)	Density of Deionized Water in g/ml	Actual volume in µl	Error in µl	MPE in ± µl	Measurement Uncertainty in ± µl	Acceptance Criteria
1	20	0.01998	0.998183	20.01226	0.01226	0.2	0.033	Pass
2	30	0.02996	0.998183	30.01839	0.01839	0.5	0.033	Pass
3	50	0.04994	0.998183	50.03065	0.03065	0.5	0.033	Pass

Measurement Uncertainty at 95% confidence level where coverage factor, k=2

Remarks: The above DUC has been calibrated over its above range & the readings observed are tabulated above. The reference standard used is traceable to National Standard

DUC Device Under Calibration

Physical status of the Instrument : Ok

Calibrated By:
J. Bhattacharjee
(Sr. Calibration Engineer)

Checked By:
S. Chowdhury
(Quality Manager)

Approved By:
C. Ghosh
(Technical Director)

END OF CERTIFICATE