



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.: 2023/11/1209 Page 1 of 1

ISSUE DATE : 11-Nov-2023

ULR No.: CC312523000016931F

1.0 ISSUED TO: M/s.: Divine Touch Medl-Clinic
Colonel Chowmuhan, Near SBI TLA House,
Branch - Agartala, Tripura West - 799001.

1.1 Service Request Form No. : SRF/2023/11/10/04

1.2 Service Request Date : 10-11-2023

1.3 Location: At Lab



Description identification of item to be calibrated:

1.4	i	Name:	Micro Pipette	ii	Make:	Agappe
	iii	Model / Type No.:	--	iv	S/L No.:	UW04786
	v	I.D.No.:	--	vi	Job Code No:	2023/11/1209
	vii	Range:	(20 to 200) µl	viii	Resolution:	0.2 µl
	ix	Accuracy	As Per ISO 8655-6	x	End User :	--

1.5 Full / Partial Calibration: Full Calibration

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

1.7 Date of receipt of item: 10-Nov-2023 1.8 Date of calibration: 10-Nov-2023

1.9 Calibration due on: 9-Nov-2024 2.0 Frequency of calibration once in: 12 Months

2.1 Environmental condition during calibration
Temperature: 20.3 °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) (Sl. No. - 14255716)	TSC/22-23/12101-25	CC - 2231	15-11-2022	15-11-2023
Digital Temperature Indicator with Sensor(RTD)	Sl. No.- 18K588073 (Sensor Sl. No.- 19102403)	TSC/22-23/12095-36		17-11-2022	17-11-2023

CALIBRATION RESULTS

Sl. No.	Denomination Volume in µl	Observed Reading at Ref. Std. Balance in g (Avg. of five readings)	Density of De ionized Water in g/ml	Actual volume in µl	Error in µl	MPE in ± µl	Measurement Uncertainty in ± µl	Acceptance Criteria
1	20	0.02000	0.998183	20.03316	0.03316	0.2	0.033	Pass
2	60	0.05999	0.998183	60.09948	0.09948	0.8	0.033	Pass
3	120	0.11998	0.998183	120.19896	0.19896	1.6	0.033	Pass
4	160	0.15997	0.998183	160.26527	0.26527	1.6	0.033	Pass
5	200	0.19997	0.998183	200.33159	0.33159	1.6	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