



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.:		2023/11/1211		Page 1 of 1					
ISSUE DATE :		11-Nov-2023							
ULR No.:		CC312523000016933P							
1.0	ISSUED TO:	M/s.: Divine Touch Medi-Clinic Colonel Chowmuhani, 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:	--			
	iii	Model / Type No.:	--	iv	S/L No.:	NE456403			
	v	I.D.No.:	--	vi	Job Code No:	2023/11/1211			
	vii	Range:	(2 - 20) 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:	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	CC - 2231	17-11-2022	17-11-2023			
CALIBRATION RESULTS									
Sl. No.	Denomination Volume in µl	Observed Reading at Ref. Std. Balance in g	Density of De ionized Water in g/ml	Actual volume in µl	Mean Volume in µl	Error in µl	MPE in ± µl	Measurement Uncertainty in ± µl	Acceptance Criteria
1	20	0.01997	0.998141	20.01080	19.99352	-0.00648	0.2	0.027	Pass
2	20	0.01995	0.998141	19.98876					Pass
3	20	0.01993	0.998141	19.97073					Pass
4	20	0.01997	0.998141	20.01080					Pass
5	20	0.01995	0.998141	19.98651					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