



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

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CALIBRATION CERTIFICATE NO.:		2023/11/1207						
ISSUE DATE :		11-Nov-2023						
ULR No.:		CC312523000016929F						
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:	Dragon Lab		
	iii	Model / Type No.:	--	iv	S/L No.:	YE195AL0388552		
	v	I.D.No.:	--	vi	Job Code No:	2023/11/1207		
	vii	Range:	(100 - 1000) µl	viii	Resolution:	5 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	CC - 2231	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	100	0.09981	0.998141	99.99664	-0.00336	0.8	0.027	Pass
2	300	0.29943	0.998141	299.98992	-0.01008	4.0	0.027	Pass
3	500	0.49905	0.998141	499.98321	-0.01679	4.0	0.027	Pass
4	700	0.69868	0.998141	699.97649	-0.02351	8.0	0.027	Pass
5	1000	0.99811	0.998141	999.96642	-0.03358	8.0	0.027	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