



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.:		2024/11/1283		Page 1 of 1																			
ISSUE DATE :		9-Nov-2024																					
ULR No.:		CC312524000024139P																					
1.0	ISSUED TO:	M/s.: Succes Diagnostic Centre 8C, Mohan Lal Street, Shyambazar, (Near R.G. Kar Medical College), Kolkata - 700004.																					
1.1	Service Request Form No. :	SRF/2024/11/07/05																					
1.2	Service Request Date :	07-11-2024																					
1.3	Location:	At Lab																					
Description identification of item to be calibrated:																							
1.4	i	Name:	Micro Pipette	ii	Make:	Biohit																	
	iii	Model / Type No.:	--	iv	S/L No.:	18099289																	
	v	I.D.No.:	--	vi	Job Code No:	2024/11/1283																	
	vii	Range:	(10 - 100) µl	viii	Resolution:	1 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:	7-Nov-2024	1.8	Date of calibration:	7-Nov-2024																		
1.9	Calibration due on:	6-Nov-2025	2.0	Frequency of calibration once in:	12 Months																		
2.1	Environmental condition during calibration	Temperature:	20.3 °C																				
		Humidity:	54 % 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.																						
<table border="1"> <thead> <tr> <th>Name of the Instrument</th> <th>Sl. No./ Id No.</th> <th>Certificate No.</th> <th>Lab Certificate No.</th> <th>Calibrated On</th> <th>Due On</th> </tr> </thead> <tbody> <tr> <td>Digital Weighing Balance</td> <td>(TMSCC/EB/01) (Sl. No.- 14255716)</td> <td>TC/23-2/4262-04</td> <td>CC - 2230</td> <td>09-11-2023</td> <td>08-11-2024</td> </tr> <tr> <td>Digital Temperature Indicator with Sensor(RTD)</td> <td>(Indicator Sl. No.- 18K588073) (Sensor Id No.- TMSCC/RTD/01)</td> <td>TSC/23-24/13010-4</td> <td>CC - 2231</td> <td>09-11-2023</td> <td>08-11-2024</td> </tr> </tbody> </table>						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)	TC/23-2/4262-04	CC - 2230	09-11-2023	08-11-2024	Digital Temperature Indicator with Sensor(RTD)	(Indicator Sl. No.- 18K588073) (Sensor Id No.- TMSCC/RTD/01)	TSC/23-24/13010-4	CC - 2231	09-11-2023	08-11-2024
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Digital Temperature Indicator with Sensor(RTD)	(Indicator Sl. 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 De ionized Water in g/ml	Actual volume in µl	Error in µl	MPE in ± µl	Measurement Uncertainty in ± µl	Acceptance Criteria															
1	20	0.01996	0.998141	20.00142	0.00142	0.20	0.039	Pass															
2	40	0.03993	0.998141	40.00285	0.00285	0.50	0.039	Pass															
3	60	0.05989	0.998141	60.00427	0.00427	0.80	0.039	Pass															
4	80	0.07986	0.998141	80.00569	0.00569	0.80	0.039	Pass															
5	100	0.09982	0.998141	100.00711	0.00711	0.80	0.039	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