



# 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.:	2024/07/1733	Page 1 of 1
ISSUE DATE :	24-Jul-2024	
ULR No.:	CC312524000014765P	
1.0 ISSUED TO:	M/s.: Mediscience Diagnostic Centre 11/5/A, Bidhan Park, Kolkata- 700124.	
1.1 Service Request Form No. :	SRF/2024/07/22/01	
1.2 Service Request Date :	22-07-2024	
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.:	YE228AX0500218
v I.D.No.:	--	vi Job Code No:	2024/07/1733
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:	22-Jul-2024	1.8 Date of calibration:	22-Jul-2024
1.9 Calibration due on:	21-Jul-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.	

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

## 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	0.01998	0.998141	20.01659	19.98302	-0.01698	0.2	0.033	Pass
2	20	0.01995	0.998141	19.98716					Pass
3	20	0.01992	0.998141	19.95710					Pass
4	20	0.01993	0.998141	19.96712					Pass
5	20	0.01995	0.998141	19.98716					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