



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.:		2024/02/784
ISSUE DATE :		16-Feb-2024
ULR No.:		CC31252400002637P
1.0	ISSUED TO:	M/s. Anushka Diagnostics 119/148, Chandidas Road, Trisulapatty P.O.: Bolpur, Birbhum - 731204
1.1	Service Request Form No. :	SRF/2024/02/12/03
1.2	Service Request Date :	12-02-2024
1.3	Location:	At Lab



Description identification of item to be calibrated:

1.4	i	Name:	Micropipette	ii	Make:	Dragon Lab
	iii	Model / Type No.:	--	iv	S/L No.:	YE22ABA0041228
	v	I.D.No.:	--	vi	Job Code No:	2024/02/784
	vii	Range:	(5 to 50) 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: 12-Feb-2024 1.8 Date of calibration: 12-Feb-2024

1.9 Calibration due on: 11-Feb-2025 2.0 Frequency of calibration once in: 12 Months

2.1 Environmental condition during calibration
Temperature: 20.1 °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	SI. No./ Id No.	Certificate No.	Lab Certificate No.	Calibrated On	Due On
Digital Weighing Balance	(TMSCC/EB/01) (SI. No.- 14255716)	TC/23-24/4262-04	CC - 2230	09-11-2023	08-11-2024
Digital Temperature Indicator with Sensor(RTD)	(Indicator SI. 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	0.01999	0.998183	20.03015	0.03015	0.2	0.036	Pass
2	30	0.02999	0.998183	30.04523	0.04523	0.5	0.036	Pass
3	40	0.03999	0.998183	40.06031	0.06031	0.5	0.036	Pass
4	50	0.04998	0.998183	50.07538	0.07538	0.5	0.036	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