TMSCC
TESTING MACHINE SERVICE AND CALIBRATION CENTRE
Precision is Our Destination.....
An NABL Accredited Calibration Laboratory
A Constituent Board of Quality Council of India
An ISO 9001 : 2015 Certified company
Calibration of Various Instruments & Testing Machines...
CC - 3125

Form No.: TMSCC/R/23

CALIBRATION CERTIFICATE

CALIBRATION CERTIFICATE NO.:		**2023/03/426**	Page 1 of 2
ISSUE DATE :		17-Mar-2023	
ULR No. :		**CC312523000002555F**	
1.0	ISSUED TO:	**M/s.: Anubhab Life Care** **2/8, Jessore Road(East),Genjimill,** **Near Barasat Medical College,Barasat,** **North 24 pgs., W.B**	
1.1	Service Request Form No. :	SRF/2023/03/11/01	
1.2	Service Request Date :	11-03-2023	
1.3	Location:	At Lab	

1.4 Description identification of item to be calibrated:

i	Name:	**Micro Pipette**	**ii**	Make:	Accupipette
iii	Model / Type No.:	--	**iv**	S/L No.:	**V90555**
v	I.D.No.:	**ALC/MIP/V3**	**vi**	Job Code No:	**2023/03/426**
vii	Range:	(100 to 1000) µl	**viii**	Resolution:	2 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:	11-Mar-2023	**1.8**	Date of calibration:	**11-Mar-2023**
1.9	Calibration due on:	**11-Mar-2024**	**2.0**	Frequency of calibration once in:	366 Days
2.1	Environmental condition during calibration	Temperature:	25°C ± 4°C		
		Humidity:	(50 ± 10)% RH		
2.2	Basis of calibration:	SOP/04/02			

1. The above Instrument has been calibrated over its range and the results are tabulated from page 2 of report.
2. The Calibration Certificates relates only to the above DUC & reported results are valid at the time of and under the stated conditions of measurments.
3. Errors if any, in this certificate shall be brought to notice within 45 days from the date of this certificate.
4. NABL-133 guidelines are adopted for use of NABL symbol.
5. This certificate shall not be reproduced, except in full, without the written permission of **TMSCC**
6. Corrections/erasing. invalidate the Calibration Certificate- exception to the 'Final Page or Part of this Report- provided for incorporation of additional data(To be filled by customer authorized signatory and not under calibration laboratory control).
7. Laboratory Standards are traceable to National Standards
8. In Result Sheets, 'Pass' indicates measured readings are within specification limit, 'Fail' Indicates measured readings are out of specification limit &' -' indicates no specification limit furnished.

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		17-11-2022	17-11-2023

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CALIBRATION RESULTS

Recorded Temperature : 20.1°C

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	Acceptence Criteria
1	100	0.09981	0.998183	99.99659	-0.0034	0.12	1.83	Pass
2	500	0.49907	0.998183	499.98297	-0.0170	0.20	1.83	Pass
3	1000	0.99815	0.998183	999.96594	-0.0341	0.20	1.83	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

TESTING MACHINE SERVICE AND CALIBRATION CENTRE