

CALIBRATION CERTIFICATE

Customer

**USHAKAL ABHINAV INSTITUTE OF MEDICAL SCIENCES
LAB, DEPT. OF MEDICINE**CS. No. 105/1, DHAMANI ROAD, OPP. TAKSHILA SCHOOL,
SANGLI 416416**SANGLI - 416416****UDHYAMSHRI****ENGINEERS****AN ISO 9001:2015 CERTIFIED COMPANY**

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MANUFACTURERS OF CMS FOR BLOOD BANK AND BIO-MEDICAL EQUIPMENT CALIBRATION SERVICES

Certificate No.		Calibration Date 23-03-2023
UE/SLI/076861.0/23		Certificate Date 23-03-2023
		Recommended Calibration Due Date 23-09-2023
Nomenclature : MICROPIPETTE (VARIABLE VOLUME)	STANDARD USED	
Location : BIOCHEMISTRY LAB.	1) Name :DIGITAL HUMIDITY INDICATOR Make/Model : MAXTECH	
User ID : LAB 4071	Cal At :ERTL, MUMBAI Sr No :UE/CS/A/STD/04	
Make : THERMO SCIENTIFIC	Cal Date :27-05-2022 Valid upto : 27-05-2023	
Sr.No. : SW19817	Cert No. 2022TNP47	
Equipment Range : From: 20 µl To: 200 µl	2) Name :DIGITAL WEIGHING BALANCE Make/Model : ACZET	
Operating Range : From: 20 µl To: 200 µl	Cal At :ERTL, MUMBAI Sr No :UE/CS/A/STD/08	
Date of Receipt : 23-03-2023	Cal Date :13-05-2022 Valid upto : 13-05-2023	
Status of Equipment on receipt : WORKING	Cert No. 2022S&C189	
Environmental conditions		* All master calibrator calibration certificates are traceable to National standards with unbroken chain.
Ambient Temp. : 25±4°C	Calibration Procedure No.: UE/CP/009-R0	
Relative Humidity : ≤70%RH		
Calibrated ' On Site ' at Customers address.		

Observations

Sr. No.	Expected Volume (µl)	Mean Standard Reading (µl)	Range Requested For Calibration (µl)	Uncertainty (±) (µl)
1	20	20.196259	20 To 200	0.166579
2	50	50.187851	20 To 200	0.167335
3	100	100.014996	20 To 200	0.169954
4	150	149.769338	20 To 200	0.171188
5	200	199.431021	20 To 200	0.172534

DUC = Device Under Calibration

(Uncertainty of the measurement is stated in the result at 95% Confidence Level for k=1.96)

Status of the equipment after calibration :

REFER TO CHART

Witnessed By :

TECHNICIAN ON DUTY

	Technician	Approved By	Released & Authorised By	Seal

* This certificate refers only to the item calibrated and shall not be reproduced except in full, without our written permission.

* The "Mean Reading" stated in the certificate is mean of all readings taken of that particular parameter value.

* Results reported are valid at the time of and under the stated conditions as above.

* The calibration results are applicable only to those items which have been calibrated and do not apply to any other items even though declared to be similar/ identical. The present equipment is calibrated for temperature parameter only.

* We will not be liable for any change in calibration data & performance specification on account of malfunctioning of standard / instrument / equipment due to any damage caused to it after the report, in respect of it being issued.

* We will not be liable for any loss / damage caused to the equipment or the products, due to calibration oversight.

* Any discrepancies in the report should be brought to our notice within 30 days from the report issue date.

* All calculations refer to ISO/ IEC 8655-6 and ISO/TR 20416:2000.

* Any handwritten / corrected matter on this report is not authenticated.