



Indian Calibration Services

An Exclusive House for Validation & Calibration of Analytical Instruments

304 & 313, Laxmi Deep, District Centre, Near Nirman Vihar Metro Station, Laxmi Nagar, Delhi-110092

Phone / Fax : (011) 22453259, 22434362, 9599482307

E-mail : indiancalibrationservices@gmail.com Website : www.multitechics.com

CALIBRATION CERTIFICATE

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CALIBRATION CERTIFICATE OF MICROPIPETTE

Certificate No:	21700001267	Issued On:	06/02/2021
ULR No:	CC214621700001267F	Calibration Date:	05/02/2021
Job Identification No:	ICS/C/MVD/02/1267	Next Calibration Date:	04/02/2022
Ref. No:	SRF- Dated: 04/02/2021		

CALIBRATED FOR:	M/s Tomar Foundation Pathology Lab. 17-A, PKT-J, Mayur Vihar, Phase-1, Delhi-110091.
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EQUIPMENT DESCRIPTION

Name	Variable Micropipette		
Make/Model	Dragon Lab	Visual Inspection	Ok
Serial No.	YE168AA0002171	I.D. No.	PPT-02
Range	10 µl - 100 µl	Least Count	1 µl
Location	---	Calibration Site	In-Lab

ENVIRONMENTAL CONDITIONS

Temperature	25.0 °C ± 3.0° C	Humidity	50 ± 10 % RH
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STANDARD EQUIPMENT DETAILS

Traceable to National Standards

Name	Make	Certificate No.	Calibration Agency	Calibration Date	Valid Upto
Stainless Steel Wire Weights	E ₁ Class as per OIML recom.	WMCL/E/2020-05/3364	WMCL	31/05/2020	30/05/2023
RTD Sensor with Digital Indicator	Udian	ERTL(N)/2020/AR0878	ERTL (NORTH)	25/02/2020	25/02/2021

USED EQUIPMENT DETAILS Calibrated Balance, Distilled Water & Glass wares

PRINCIPLE/METHODOLOGY OF CALIBRATION: As per Calibration Procedure No.: ICS/CAL/SOP-M03 (Gravimetric Method), ISO 8655-6

RESULTS: Mechanical Calibration

Below Volume is determined at 27°C

U.U.C. Reading (in ml)	Standard Measured Volume (in ml) (Average)	Uncertainty at approx 95% C.L and coverage factor k=2
0.0100 (010.0 µl)	0.010083 (0010.083 µl)	± 0.1 µl
0.0500 (050.0 µl)	0.050151 (0050.151 µl)	± 0.1 µl
0.1000 (100.0 µl)	0.100229 (0100.229 µl)	± 0.1 µl

REMARKS: The recommended date for next calibration is mentioned, as asked by the customer.

END OF REPORT

- Note : 1. This report is not to be reproduced wholly or in part and cannot be used as an evidence in the Court of Law and should not be used in any advertising media without our special permission in writing
2. The result listed refer only to the tested samples and applicable parameters. Endorsement of products is neither inferred nor implied.
3. Total liability of our Organisation is limited to the invoiced amount.
4. Samples will be destroyed after one month from the date of issue of Calibration Certificate unless otherwise specified.
5. In case any reconfirmation of contents of this Calibration Certificate is required. Please contact our office.
6. The calibration certificate/Test Report is valid only for the condition of the UUC at the time under stated condition of calibration.

For and on behalf of
Indian Calibration Services

Checked by

Authorised Signatory

RAJESH KAPOOR
Operation-Head



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CALIBRATION CERTIFICATE

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CALIBRATION CERTIFICATE OF MICROPIPETTE

Certificate No:	21700001266	Issued On:	06/02/2021
ULR No:	CC214621700001266F	Calibration Date:	05/02/2021
Job Identification No:	ICS/C/MVD/02/1266	Next Calibration Date:	04/02/2022
Ref. No:	SRF- Dated: 04/02/2021		

CALIBRATED FOR:	M/s Tomar Foundation Pathology Lab. 17-A, PKT-J, Mayur Vihar, Phase-1, Delhi-110091.
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EQUIPMENT DESCRIPTION

Name	Variable Micropipette		
Make/Model	Biohit	Visual Inspection	Ok
Serial No.	17533050	I.D. No.	PPT-01
Range	100 µl - 1000 µl	Least Count	5 µl
Location	---	Calibration Site	In-Lab

ENVIRONMENTAL CONDITIONS

Temperature	25.0 °C ± 3.0° C	Humidity	50 ± 10 % RH
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STANDARD EQUIPMENT DETAILS

Traceable to National Standards

Name	Make	Certificate No.	Calibration Agency	Calibration Date	Valid Upto
Stainless Steel Wire Weights	E ₁ Class as per OIML recom.	WMCL/E/2020-05/3364	WMCL	31/05/2020	30/05/2023
RTD Sensor with Digital Indicator	Udian	ERTL(N)/2020/AR0878	ERTL (NORTH)	25/02/2020	25/02/2021

USED EQUIPMENT DETAILS	Calibrated Balance, Distilled Water & Glass wares
PRINCIPLE/METHODOLOGY OF CALIBRATION:	As per Calibration Procedure No.: ICS/CAL/SOP-M03 (Gravimetric Method), ISO 8655-6

RESULTS: Mechanical Calibration
 Below Volume is determined at 27°C

U.U.C. Reading (in ml)	Standard Measured Volume (in ml) (Average)	Uncertainty at approx 95% C.L and coverage factor k=2
0.1000 (0100 µl)	0.09991 (0099.91 µl)	± 3 µl
0.5000 (0500 µl)	0.50029 (0500.29 µl)	± 3 µl
1.0000 (1000 µl)	1.00085 (1000.85 µl)	± 3 µl

REMARKS: The recommended date for next calibration is mentioned, as asked by the customer.

END OF REPORT

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 - The result listed refer only to the tested samples and applicable parameters. Endorsement of products is neither inferred nor implied.
 - Total liability of our Organisation is limited to the invoiced amount.
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 - In case any reconfirmation of contents of this Calibration Certificate is required. Please contact our office
 - The calibration certificate/Test Report is valid only for the condition of the UUC at the time under stated condition of calibration.

For and on behalf of
 Indian Calibration Services

Checked by

Authorised Signatory
RAJESH KAPOOR
 Operation-Head



NABL/ILAC/0115 CC-2743
Format No.: 7.8-QF-02

D-46, Sector - 4, DSIIDC, Bawana, Delhi - 110 039, INDIA
Phone : +91 - 11 - 2776 1662, 2776 2663
E-mail : info@weightronics.net, Web : www.weightronics.net

Calibration Certificate

Issue Dated: 01-06-2020

Recommended Date for the Next Calibration Mentioned As Per Request of the Customer	Page	No. of Pages
Date: 30-05-2023	-1-	-2-

Certificate No.: WMCL/E/2020-05/3364
ULR - CC27432000000864F

Date of Calibration: 31-05-2020

Calibrated for : INDIAN CALIBRATION SERVICES
304 & 313, Laxmi Deep,
District Center, Laxmi Nagar,
Near Nirman Vihar Metro Station,
Delhi - 110 092, INDIA

Customer Reference : RGP No.: NIL, Dated: 21/05/2020

Description of Instrument : Make - "WEIGHTRONICS"
0.5 g to 0.001 g : Stainless Steel Wire Type Weights

Identification No : WT/AS-I/2015/2423

Assumed Density (d) : (7 950 ± 50) kg/m³; (k=2) for Stainless Steel

Environmental Conditions : Temperature : (23.0 ± 2.0)°C
Relative Humidity : (50.0 ± 10.0) %
[Change in Temperature and Relative Humidity during the calibration were less than ± 0.3°C per hour and ± 5.0 % per 4 hours respectively]

Standard (s) used : WMCL working standard of mass with uncertainty Better than one-third of the reported uncertainty of measurement

Traceability Standard (s) : The Standard used for Calibration are Traceable from "NPL" New Delhi, INDIA vide Calibration Certificate No.: 19100739/D1.01/C-117, Dated: 11/12/2019 valid up to Dated: 11/12/2022

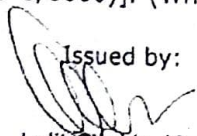
Balance used for Calibration : Precision Balances of Appropriate Accuracy Traceable to Mass Standards

Methodology of Calibration Adopted : The Method of comparison with standard (s) using Sub - Division Weighing Method from 1 mg to 500 mg (Cal. Procedure No.: WMCL/ Doc-13/Cal- PR-03) and (ABBA or ABA) Weighing Cycle. The Reported Mass Value(s) is (are) the conventional mass value(s) (M_c) related to the true mass value(s) (M_T) by formula: $M_c = M_T [1 - 1.2(1/d - 1/8000)]$. (Where, 'd' is in kg/m³).

Calibrated by:


Arun Pathak
Technical Manager

Issued by:


Lalit Shukla (Q.M.)
Authorized Signatory

