



R-TECH CALIBRATION

ISO/IEC 17025:2017 - NABL ACCREDITED LABORATORY

52/1, Pathak Para Road, Behala, Room No. G1, Kolkata - 700 060



CC-3301

CALIBRATION CERTIFICATE

ULR :	CC33012400000022F	CERTIFICATE NO.:	RTC/24/022
Date of Receipt	Date of Calibration	Certificate Issue Date	Location of Calibration
06-Jan-24	06-Jan-24	08-Jan-24	LAB
		Suggested Due Date	SRF No./ Date
		05-Jan-25	SRF/23/006

Name of Customer : M/S	GOODDAYS DIAGNOSTIC CENTRE		Environmental Conditions	
	Farmside Road, Kodalia Gram Panchayat, Chinsurah, Hooghly Pin-712 102, West Bengal		Temperature: 20 ± 2°C	Relative Humidity: 50 ± 10% RH
	mbar	1006	Water Temp T1=23.1	T2=23.2

Description of DUC :	MICRO PIPETTE		Make	Erba	Type	Deliver
Name of Equipment :	Micro Pipette		Model	N/M	Range	100µl-1000µl
Condition of Item :	Good	Calibration Discipline: Mechanical	ID. No.	N/M	L.C.	5 µl
Location of DUC :	N/M	Calibration Parameter: Volume	Sr. No.	AB180679	Accuracy	N/M

REFERENCE STANDARD & MEASUREMENT TRACEABILITY

Name	Serial No.	Certificate No.	Calibration Date	Due Date	Traceability no.
Analytical Balance	112321	ATL/MM/200623/015	19-Jun-23	19-Jun-24	CC - 2590
E2 class weight box	WT/AS-II/2023/2404	WMCL/E/2023-05/2404	03-May-23	02-May-25	CC - 2743

Calibration Procedure No.: The Calibration is carried out as per the "RTC-CP-V-02".

CALIBRATION RESULT

Sr. No.	Nominal Value on DUC µl (@27°C)	Average Value on Standard µl (@27°C)	Error (µl)	Uncertainty (µl)
1	0.100	0.1005	0.0005	±1.7
2	0.500	0.5019	0.0019	±1.7
3	1.000	1.0038	0.0038	±1.7

Note: *DUC: Device Under Calibration, N/M : Not Mentioned.

Note: The Error is positive except when indicated otherwise. It has to algebraically subtracted from DUC Reading in order to get the standard reading. The Expanded Uncertainty associated with measurement at 95.4% confidence level & coverage factor K = 2 is above under uncertainty

Note:

1. This certificate refers only to the particular item(s) submitted for calibration at Site/Laboratory.
2. Results reported are valid at the time of and under the stated conditions of measurement.
3. Certificate should not be reproduced, except in full, without the prior permission of laboratory.
4. Next Calibration due date mentioned as per customer requirement
5. Coefficient of Expansion - 0.0000099°C⁻¹.
6. All reference standard used for calibration are traceable to National Standard.

***** End of Certificate *****

Chandan



Ramy

Calibration Engineer
(Chandan)

Authorized Signatory
(Ramasare Prajapati)

Format : RTC-QF-7.8-02

Page No.: 01/01

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CALIBRATION

SALES & SERVICE

REPAIR

CALIBRATION CERTIFICATE

Customer Name And Address	M/S : Good Days Diagnostic Centre Farm side Road, Kodaliaigp, Chinsurah, Hooghly Pin-712 102, West Bengal.	Certificate No.	MT/06/030124/AC7/00423
		ULR No.	CC333324000000419F
		SRF No. & Date	MT/06/03.01.24
		Receipt Date	03/01/2024
		Date of Calibration	03/01/2024
		Suggested Due Date	02/01/2025
		Date of Issue	04/01/2024

Instrument Details			
Instrument name	Pipette	Sr. No.	AB25119
Make /Model No	Erba	Location	-----
Range / Size	5 – 50 μ L	Accuracy	-----
Least Count	0.5 μ L	Visual Inspection	OK
I.D. No.	-----	Calibration Performed At	Lab

Detail of Reference Standard & Major Equipment Used			
Equipment Name	Digital Electronic Balance		
Make	Radwag		
Model / SR No.	AS 82/220. R2 / 640970		
Certificate No.	TYCON/W/10/2023/965		
Calibration Validity	27/10/2024		
Calibration By	Tycon Engineering		

Environmental Condition	Room Temperature	23.2 °C	Calibration Reference	NABL129, ISO-8655-6
	Relative Humidity	53%	Calibration Procedure	CP/M/M&V/03
	Water Temperature	23.1 °C		

Calibration Results

Serial No.	UUC in (μ l)	Std. (Master) Value in (gm)	Std. (Master) Value Converted into (μ l)	Uncertainty At 95% C.L. (coverage factor $k=2$)
01.	20	0.02002	20.02	$\pm 0.2 \mu$ l
02.	30	0.03005	30.05	$\pm 0.2 \mu$ l
03.	50	0.05008	50.08	$\pm 0.2 \mu$ l

Remarks:

- ❖ (1) Standard equipment use for calibration are traceable to national/ international standards.
- ❖ (2) The reported expanded uncertainty of measurement is stated as the standard uncertainty of measurement multiplied by coverage factor $k = 2$ such that the coverage probability corresponds to approximately 95%.
- ❖ (3) The above results are valid at the time of and under the stated conditions measurement.
- ❖ (4) This certificate is refers only to the particular item submitted for calibration.
- ❖ (5) Next calibration due date given as requested by the customer.
- ❖ (6) Certificate Shall not reproduced expect in full, without the Written Approval of Micro Technology.
- ❖ (7) Coefficient of Cubical Thermal Expansion for material Borosilicate glass 3.3 is $(9.9 \times 10^{-6} / ^\circ\text{C})$.

Calibrated By
(Calibration Engineer)

Format No. F01(7.8)



.....End of the Certificate.....

Approved By
(Quality Manager)

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