



RELIABLE TECHNICAL SERVICES

(Division of Reliable Technocare Pvt. Ltd.)

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CALIBRATION CERTIFICATE

1. CUSTOMER :- Dr. Kakade's Pathology Lab 1st Floor Old Anu Hospital, Near Gandhi Putala, Kolhapur Naka, Shanivar Peth Karad-415110 Temperature (°C) :- 23.1 Relative Humidity (%RH) :- 48.9 Condition of Item :- OK Atmospheric Pressure :- 944.9 mbar	Page No. :- 1 of 1 NABL Accreditation No. :- CC-2927 Certificate No. :- 23.08.03.002 Date of Received :- 03.08.2023 Date of Calibration :- 03.08.2023 Next Calibration Due On :- 02.08.2024 Location of calibration :- In lab Calibration method No. :- RTS-WI-19 Date of Issue :- 05.08.2023 ULR No. :- CC292723000007024F
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2. Description of Item

Name :- Micropipette	Range :- 5 to 50 μ l
Id/Sr. No :- MP-01	Resolution :- 0.5 μ l
Make :- ThermoScientific	

3. Detail of Equipment used for calibration

Name :- WEIGHING BALANCE
Certificate No. :- 22.10.IH.004
Certified By :- RTS
ID/Sr. No. :- RTS-WBL-08
Range :- 5.1 g
Uncertainty :- ± 0.006 mg
Calibration Validity :- 27.10.2023

Discipline :- Mechanical Calibration Group 0 Mass and Volume-Volume

4. Calibration Results :-

Sr.No.	Volume in μ l	Observed mean volume at 27 °C (ref. Temp) μ l	Systematic Error μ l	Random Error μ l	Expanded Uncertainty $\pm \mu$ l
1	5.0	5.021	0.021	0.007	0.03
2	30.0	30.168	0.168	0.004	0.03
3	50.0	50.274	0.274	0.004	0.03

Note:

- 1) The reported uncertainty is the expanded uncertainty in measurement obtained by multiplying the standard uncertainty by the coverage factor $k=2$, which corresponds to a coverage probability of approximately 95% for normal distribution
- 2) This certificate refers only to the particular item submitted for calibration.
- 3) The calibration results reported in the certificate are valid at the time of and under the stated conditions of measurement.
- 4) Calibration point were selected as per customer specifications.
- 5) This certificate shall not be reproduced, except in full unless written permission for the publication of an approved abstract has been obtained from the Technical Manager of "Reliable Technical Services, Pune".
- 6) The Standard used are traceable to National / International Standard.
- 7) Calibration of volumetric measures done by any accredited laboratories is meant for scientific and industrial purpose only.

Calibrated By

V. Salunke
Calibration Engineer
V. Salunke



Approved By

Sm
Technical Manager
SACHIN A. MHASAWADE

RF-21, R0

