



RELIABLE TECHNICAL SERVICES

(Division of Reliable Technocare Pvt. Ltd.)

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CALIBRATION CERTIFICATE

1. CUSTOMER :- Gyati Takka General Hospital Ziro S.O, Lower Subansiri, Arunachal Pradesh - 791120. Temperature (°C) :- 23.8 Relative Humidity (%RH) :- 48.9 Condition of Item :- OK Atmospheric Pressure :- 945.1 mbar	Page No. :- 1 of 1 NABL Accreditation No. :- CC-2927 Certificate No. :- 23.03.08.001 Date of Received :- 08.03.2023 Date of Calibration :- 08.03.2023 Next Calibration Due On :- 07.03.2024 Location of calibration :- In lab Calibration method No. :- RTS-WI-19 Date of Issue :- 09.03.2023 ULR No. :- CC292723000002014F
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2. Description of Item	
Name :- Micropipette Id. No. :- -- Make :- Monozyme Sr. No. :- 5039945	Range :- 40 to 200 µl Resolution :- 1 µl Model No. :- Exacta 40-200 Location :- ICTC

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 :- Mass and Volume-Volume

4. Calibration Results :-					
Sr.No.	Volume in µl	Observed mean volume at 27 °C (ref. Temp) µl	Systematic Error µl	Random Error µl	Expanded Uncertainty ± µl
1	40	40.189	0.189	0.004	0.03
2	100	100.428	0.428	0.005	1.80
3	200	201.127	1.127	0.006	1.80

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) Barometric Pressure 950 mbar. Volumes are reported at 20°C.
- 3) This certificate refers only to the particular item submitted for calibration.
- 4) The calibration results reported in the certificate are valid at the time of and under the stated conditions of measurement.
- 5) Calibration point were selected as per customer specifications.
- 6) 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".
- 7) The Standard used are traceable to National / International Standard.
- 8) Calibration of volumetric measures done by any accredited laboratory is meant for scientific and industrial purpose only.

Calibrated By
V. Salunke
Calibration Engineer
V. Salunke
RF-21, R0



Approved By
SACHIN A. MHASWADE
Technical Manager
SACHIN A. MHASWADE

