



# RELIABLE TECHNICAL SERVICES

(Division of Reliable Technocare Pvt. Ltd.)

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RIR CERTIFICATION  
ISO 9001:2015



ACCREDITED BY  
IAS, USA  
MSCB-127



CC-2927

## CALIBRATION CERTIFICATE

### 1. CUSTOMER :-

**Dr. Manisha Mishra's Pathology Laboratory**  
1st Floor, Near Karishma Kapda Bazar, Girls College Road,  
Ansari Ward, Gondia - 411 601.

Temperature (°C) :- 23.6  
Relative Humidity (%RH) :- 49.0  
Condition of Item :- OK  
Atmospheric Pressure :- 944.9 mbar

Page No. :- 1 of 1  
NABL Accreditation No. :- CC-2927  
Certificate No. :- 22.09.24.008  
Date of Received :- 24.09.2022  
Date of Calibration :- 24.09.2022  
Next Calibration Due On :- 23.09.2023  
Location of calibration :- In lab  
Calibration method No. :- RTS-WI-19  
Date of Issue :- 26.09.2022  
ULR No. :- CC292722000007664F

### 2. Description of Item

Name :- Micropipette Range :- 5 to 20 µl  
Sr. No. :- -- Resolution :- 0.1 µl  
Make :- Sin Pipette  
Location :- Lab

### 3. Detail of Equipment used for calibration

Name :- WEIGHING BALANCE  
Certificate No. :- 21.11.IH.002  
Certified By :- RTS  
ID/Sr. No. :- RTS-WBL-08  
Range :- 5.1 g  
Uncertainty :- ±0.004 mg  
Calibration Validity :- 01.11.2022

Discipline :- Mechanical Calibration

Group :- Mass and Volume-Volume

### 4. Calibration Results :-

Sr.No.	Volume in µl	Observed mean volume at 27 °C (ref. Temp)	Systematic Error	Random Error	Expanded Uncertainty ±
		µl	µl	µl	µl
1	5.0	5.020	0.020	0.005	0.50
2	10.0	10.062	0.062	0.004	0.50
3	20.0	20.094	0.094	0.007	0.50

#### Note:

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

Calibrated By

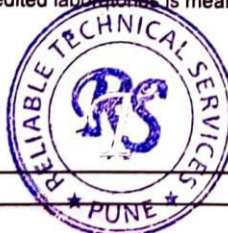
*Balance*

Approved By

*S.M.*

Technical Manager  
SACHIN A. MHASWADE

Calibration Engineer  
V. Salunke



RF-21, R0

