



RELIABLE TECHNICAL SERVICES

(Division of Reliable Technocare Pvt. Ltd.)

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CALIBRATION CERTIFICATE

1. CUSTOMER	:-	Page No.	:- 1 of 1
FRU Ruksin		NABL Accreditation No.	:- CC-2927
Ruksin East Siang District,		Certificate No.	:- 23.03.08.001
Arunachal Pradesh - 791102.		Date of Received	:- 08.03.2023
Temperature (°C)	:- 23.4	Date of Calibration	:- 08.03.2023
Relative Humidity (%RH)	:- 50.0	Next Calibration Due On	:- 07.03.2024
Condition of Item	:- OK	Location of calibration	:- In lab
Atmospheric Pressure	:- 944.4 mbar	Calibration method No.	:- RTS-WI-19
		Date of Issue	:- 09.03.2023
		ULR No.	:- CC292723000002013F

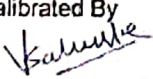
2. Description of Item			
Name	:- Micropipette	Range	:- 40 to 200 µl
Id. No.	:- --	Resolution	:- 1 µl
Make	:- Monozyme	Model No.	:- Exacta 40-200 ul
Sr. No.	:- 4032931	Location	:- ICTC


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

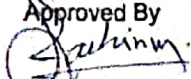
Discipline :- Mechanical Calibration Group :- Mass and Volume-Volume

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	40.173	0.173	0.005	0.03
2	100	100.445	0.445	0.006	1.80
3	200	201.135	1.135	0.008	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 laboratories is meant for scientific and industrial purpose only.

Calibrated By 
 Calibration Engineer
 V. Salunke



Approved By 
 Technical Manager
 SACHIN A. MHASAWADE

RF-21, R0

