



CC-3045

AVIAN TEST LAB PVT. LTD.

CIN : U73100AS2018PTC018749



avian

Calibration Certificate

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|--|-------------------------|-----------------------|
| ATL/F/17 | Page No. | : 1 of 1 |
| Certificate No. : ATL2301-013/02 | Issue Date | : 30-01-2023 |
| ULR No. : CC304523000000235F | Discipline | : MECHANICAL - VOLUME |
| Customer Name & Address: M/s GMCH Medical College and Hospital Guwahati-781032, Assam | SRF No. | : ATL2301013 |
| | SRF Date | : 11-01-2023 |
| | Calibration Date | : 28-01-2023 |
| | Calibration Due Date | : 27-01-2024 |
| | Location Of Calibration | : At Lab |

Details of Instrument Under Calibration:

| | | |
|---|---------|--|
| Description : Micropipette | ID No. | : GMCH/PPTCT/MP-01 |
| Make : Handypette | Sr. No. | : 221050639 |
| Range : 100 to 1000 μ l | | |
| Resolution : 10 μ l | | |
| Environmental Conditions | | Visual Inspection : Ok |
| Temperature : (23 \pm 3) $^{\circ}$ C | | Calibration Procedure : MV-03, As per IS 1997, ISO 385 |
| Humidity : (50 \pm 10)% RH | | |

Detail of Standard Instruments Used :

| Instrument Used | Make & Model | Serial/ID. No. | Valid up to | Certificate No. |
|-----------------------------|-----------------------------|------------------------------------|-------------|-----------------|
| Electronic Weighing Balance | LCGCRADWAG, As 82/220.R2 | 598157, ATLPL/CAL/WS/AS82/220R2 | 03-12-2023 | NC-614 |

Calibration Results:

| Sl. No. | DUC (μ l) | Measured Value (μ l) | Deviation (μ l) | Expanded Uncertainty (Ue) \pm (μ l) |
|---------|----------------|---------------------------|----------------------|--|
| 1 | 100 | 100.00123 | -0.00123 | 1.5 |
| 2 | 200 | 200.00126 | -0.00126 | |
| 3 | 400 | 400.00127 | -0.00127 | |
| 4 | 800 | 800.00129 | -0.00129 | |
| 5 | 1000 | 1000.00131 | -0.00131 | |

Remarks :

- The instrument was received in good condition and was calibrated at lab.
- This certificate pertains only to the item calibrated.
- The calibration results reported in this certificate are valid at the time of and at the stated environmental conditions.
- The calibration interval is determined based on customer's requirements.
- The calibration is traceable to National standards as per traceability details given in the certificate.
- This calibration certificate shall not be reproduced in full, except with prior written approval of CEO, Avian Test Lab Private Limited.,
- This calibration certificate is meant for scientific and industrial purpose only.
- The NABL Symbol is used as per NABL guidelines in NABL-133.
- The Measurement Uncertainty is reported approximately at 95% confidence level with coverage factor $k = 2$.
- The volumetric readings given above are expressed at a reference temperature of 27 $^{\circ}$ C.

DUC* = Device Under Calibration

Calibrated by
(Calibration Engineer)Mr. Vishwas
(Technical Manager)
AUTHORISED SIGNATORY

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