

SIMCO SIMCO CALIBRATION & TESTING PVT. LTD.

(FORMERLY KNOWN AS SIMCO CALIBRATION LABORATORY)

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CC-2806

CALIBRATION CERTIFICATE

In accordance with ISO / IEC-17025 : 2017

F10-CC-03

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Certificate No.: SCT/100424/16/2	ULR: CC280624200001860F
Customer Name & Address : M/s. TAPADIA DIAGNOSTIC CENTRE., At BANSILAL NAGAR, STATION ROAD, AURANGABAD, Chhatrapati Sambhaji Nagar -431005, Maharashtra	Issue Date : 11-04-2024 Reference Date : 10-04-2024 Calibration Date : 10-04-2024 Calibration Due Date : 09-04-2025

Details of Unit Under Calibration :

Description	: Micro Pipette		
Make	: TURBODYNE	Model	: SC TM
Range	: 2-20 µl	Sl.No.	: 396862
Resolution	: NA	ID.No.	: NA
Calibrated At	: At Lab	Condition on Receipt	: OK

Environmental Conditions : Temperature : (23±0.5)°C Relative Humidity : (50±10) % RH Air Pressure: (900-1100)hpa

Calibration SOP/Ref Standard : SOP-MVL-03, IS/ISO 8655-2&6:2022, ISO/TR 20461:2000

Mechanical-Volume

Master Instruments Detail

Name of the Master used	Id.No.	Certificate No.	Valid Upto
Micro Balance	SL/PMM/MB/01	TC/23-24/4054 03	23/05/2024

Calibration Results

S.No.	UOM	Nominal Volume in UOM	Average Standard Reading in UOM	Systematic Error in UOM	Random Error in UOM	Systematic Error MPE in UOM	Random Error MPE in UOM	Expanded Uncertainty in ± UOM
1	µl	2	1.988	0.012	0.024	0.2	0.1	0.080
2	µl	10	9.958	0.042	0.025	0.2	0.1	0.080
3	µl	20	19.912	0.088	0.025	0.2	0.1	0.080

Remarks :

- 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 Managing Director, SIMCO Calibration & Testing Pvt. Ltd.
- This calibration certificate is meant for scientific and industrial purpose only.
- The NABL Symbol is used as per NABL guidelines in NABL-133.
- The Expanded Uncertainty is reported at 95% confidence level with approximate coverage factor k= 2.
- UOM = Unit of Measurement
- To use this instrument at other temperatures use the formula given below.
 $V_{27} = V_T (1 - C(t - 27))$
where, V_T = Volume measured at temperature $t^\circ\text{C}$ (ml),
 V_{27} = Volume measured at 27°C (ml)
 C = coefficient of cubical expansion of Pipette tips (0.00024 /°C)



Janapati Naga Akhila
Technical Associate Engineer
Calibrated By

** End of Certificate **

Digitally signed by
N.V.Kameswararao
Date: 2024.04.16 11:25:19 +05:30
Reason: Calibration Certificate

Authorized Signatory
Chief Executive Officer