



EURO CALIBRATION TECHNIQUE

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CERTIFICATE OF CALIBRATION

Certificate Number : ECT 2022/0531- 01

Date of Issue : 24-Jun-2022

ULR Number : CC2519 22 0 00004953F

Pages : 1 of 2

Customer Name and Address

SRF Number : 2022/0531

M/s Government Hospital Musiri,

Receipt Date : 24-Jun-2022

ICTC Laboratory,

Date of Calibration : 24-Jun-2022

Trichy Road, Musiri,

Suggested calibration Due Date : 23-Jun-2023

Trichy - 621 211.

Calibrated at : In House

Customer Reference : Work Order

Calibration Procedure : ECT/WI-M-06

Equipment Under Calibration

Physical Condition : Good

Name : Micropipette

Make : i-Pette

Range : 20 to 200 μ l

Model : --

S.No : ST-92838

Accuracy : As Per Manual

ID No. : --

Location : --

Environmental Conditions

Temperature : 25.9 $^{\circ}$ C

Relative Humidity : 54.2 %RH

Atmosphere Pressure : 1000 mbar

Standard Equipment used for Calibration

S.No	Standard Instrument	Serial No	Certificate number	Validity
1	Electronic Semi Micro Balance	31504484	TVCSP1 21/09/1172-01	29.09.2022

Calibration Results

Parameter - Mechanical / Volume

1. Volume Measurement for Low Range 20 μ l

Number of Measurements taken is 10

Measurements									
μ l									
1	2	3	4	5	6	7	8	9	10
19.95	19.83	19.90	19.89	19.93	19.97	19.99	19.84	19.95	19.98

Mean Volume : 19.92 μ l

Systematic Error : -0.08 μ l

Random Error : 0.06 μ l

Measurement Uncertainty \pm : 0.36 μ l



Checked By

Authorized Signatory
K.ABDUL VAJITH / R.SATHYAKALA

REMARKS: 1. Calibration certificate traceable to National / International standards which realize the units of measurement according to the international system of units (SI).
2. This certificate shall not be reproduced except in full without return approval of Euro Calibration Technique. 3. The Calibration results reported in the certificate as valid at the time of and under the stated condition of measurement for the particular equipment. 4. Next Calibration due date mentioned as per the customer requirement. 5. The measurement confidence level is 95% for a coverage factor k=2. 6. Calibration certificate issued for weights & measure parameter i.e mass, balance, volumetric equipments are for scientific or industrial purpose only.



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2. Volume Measurement for Middle Range 100 μl
Number of Measurements taken is 10

Measurements									
μl									
1	2	3	4	5	6	7	8	9	10
100.08	100.01	100.06	100.11	100.18	100.05	100.17	100.08	100.06	100.15

Mean Volume 100.10 μl
Systematic Error 0.09 μl
Random Error 0.06 μl
Measurement Uncertainty \pm 2.00 μl


3. Volume Measurement for High Range 200 μl
Number of Measurements taken is 10

Measurements									
μl									
1	2	3	4	5	6	7	8	9	10
199.89	199.91	199.94	199.99	199.89	199.97	199.95	199.83	199.99	199.89

Mean Volume 199.93 μl
Systematic Error -0.07 μl
Random Error 0.05 μl
Measurement Uncertainty \pm 2.00 μl


Checked By




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