



# EURO CALIBRATION TECHNIQUE

No. 387, IInd Floor, TIC Road, Varadharajapuram,  
Ambattur, Chennai-600 053. Tamil Nadu

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## CERTIFICATE OF CALIBRATION

Certificate Number : ECT 2022/0532- 01

ULR Number : CC2519 22 0 00004954F

Customer Name and Address

M/s. Government Hospital Srirangam,

ICTC Laboratory,

Gandhi Road, Srirangam,

Trichy -620 006.

Date of Issue : 24-Jun-2022

Pages : 1 of 2

SRF Number : 2022/0532

Receipt Date : 24-Jun-2022

Date of Calibration : 24-Jun-2022

Suggested calibration Due Date : 23-Jun-2023

Calibrated at In House

Customer Reference : Work Order

Calibration Procedure : ECT/WI-M-06

Equipment Under Calibration

Physical Condition : Good

Name : Micropipette

Make : Erba

Range : 10 to 100  $\mu$ l

Model : --

S.No : YE199AL0557537

Accuracy : As Per Manual

ID No. : --

Location : --

### Environmental Conditions

Temperature 25.3  $^{\circ}$ C

Relative Humidity 54.6 %RH

Atmosphere Pressure

1001 mbar

### Standard Equipment used for Calibration

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

### Calibration Results

Parameter - Mechanical / Volume

1. Volume Measurement for Low Range 10  $\mu$ l

Number of Measurements taken is 10

Measurements									
$\mu$ l									
1	2	3	4	5	6	7	8	9	10
9.40	9.86	10.12	10.29	10.37	9.84	10.12	10.24	9.84	10.32

Mean Volume 10.04  $\mu$ l

Systematic Error 0.04  $\mu$ l

Random Error 0.30  $\mu$ l

Measurement Uncertainty $\pm$  0.36  $\mu$ l



Authorized Signatory  
K.ABDUL VAJITH / R.SATHYAKALA

Checked By

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 50  $\mu$ l  
Number of Measurements taken is 10

Measurements									
$\mu$ l									
1	2	3	4	5	6	7	8	9	10
49.84	49.92	50.24	49.76	50.60	49.81	50.12	50.48	50.36	49.62

Mean Volume 50.08  $\mu$ l  
Systematic Error 0.08  $\mu$ l  
Random Error 0.33  $\mu$ l  
Measurement Uncertainty $\pm$  0.36  $\mu$ l

3. Volume Measurement for High Range 100  $\mu$ l  
Number of Measurements taken is 10

Measurements									
$\mu$ l									
1	2	3	4	5	6	7	8	9	10
100.06	100.30	100.24	99.84	100.18	99.71	100.12	99.96	99.72	100.36

Mean Volume 100.05  $\mu$ l  
Systematic Error 0.05  $\mu$ l  
Random Error 0.23  $\mu$ l  
Measurement Uncertainty $\pm$  0.36  $\mu$ l

  
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