



# EURO CALIBRATION TECHNIQUE

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

Tel: 044-48521288 Mobile: 9486195184, 9176032184

E-mail: eurocalibration@gmail.com web: www.eurocalibration.com



## CERTIFICATE OF CALIBRATION

Certificate Number : ECT 2021/0629- 02

Date of Issue : 6-Sep-2021

ULR Number : CC2519 21 0 00006167F

Pages : 1 of 2

### Customer Name and Address

M/s. Mukilans Lab,  
Ambattur,  
Chennai - 600 053.

SRF Number : 2021/0629

Receipt Date : 4-Sep-2021

Date of Calibration : 6-Sep-2021

Suggested calibration Due Date : 5-Sep-2022

Calibrated at : In House

Customer Reference : Work Order

Calibration Procedure : ECT/WI-M-06

### Equipment Under Calibration

Physical Condition : Good

Name : Micropipette

Make : Meril

Range : 100 to 1000  $\mu$ l

Model : --

S.No : NF 462519

Accuracy : As Per Manual

ID No. : --

Location : --

### Environmental Conditions

Temperature 24.6  $^{\circ}$ C

Relative Humidity 59.5 %RH

Atmosphere Pressure

1001 mbar

### Standard Equipment used for Calibration

S.No	Standard Instrument	Serial No	Certificate number	Validity
1	Semi Microbalance	31504484	TVCSP1 20/10/882-04	30.09.2021

### Calibration Results

Parameter - Mechanical / Volume

1. Volume Measurement for Low value 100  $\mu$ l

Number of Measurements taken is 10

Measurements									
$\mu$ l									
1	2	3	4	5	6	7	8	9	10
99.95	99.94	99.93	99.92	99.94	99.88	99.85	99.86	99.84	99.88

Mean Volume 99.90  $\mu$ l

Systematic Error -0.10  $\mu$ l

Random Error 0.04  $\mu$ l

Measurement Uncertainty  $\pm$  2.00  $\mu$ 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.



# EURO CALIBRATION TECHNIQUE

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

Tel: 044-48521288 Mobile: 9486195184, 9176032184

E-mail: eurocalibration@gmail.com web: www.eurocalibration.com



## CERTIFICATE OF CALIBRATION

Certificate Number : ECT 2021/0629- 02

ULR Number : CC2519 21 0 00006167F

Date of Issue : 6-Sep-2021

Pages : 2 of 2

2. Volume Measurement for Low value 500  $\mu\text{l}$

Number of Measurements taken is 10

Measurements									
$\mu\text{l}$									
1	2	3	4	5	6	7	8	9	10
499.94	499.92	499.92	499.91	499.92	499.89	499.85	499.92	499.85	499.86

Mean Volume 499.90  $\mu\text{l}$   
Systematic Error -0.10  $\mu\text{l}$   
Random Error 0.03  $\mu\text{l}$   
Measurement Uncertainty $\pm$  2.00  $\mu\text{l}$

3. Volume Measurement for Low value 1000  $\mu\text{l}$

Number of Measurements taken is 10

Measurements									
$\mu\text{l}$									
1	2	3	4	5	6	7	8	9	10
1000.46	1000.38	1000.24	1000.34	1000.34	1000.24	1000.51	1000.43	1000.46	1000.53

Mean Volume 1000.39  $\mu\text{l}$   
Systematic Error 0.39  $\mu\text{l}$   
Random Error 0.10  $\mu\text{l}$   
Measurement Uncertainty $\pm$  2.00  $\mu\text{l}$

  
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.



# EURO CALIBRATION TECHNIQUE

No. 387, IInd Floor, TIC Road, Varadharajapuram,  
Ambattur, Chennai-600 053. Tamil Nadu  
Tel: 044-48521288 Mobile: 9486195184, 9176032184  
E-mail: eurocalibration@gmail.com web: www.eurocalibration.com



## CERTIFICATE OF CALIBRATION

Certificate Number : ECT 2021/0629- 03  
ULR Number : CC2519 21 0 00006168F

Date of Issue : 6-Sep-2021

Pages : 1 of 2

### Customer Name and Address

SRF Number : 2021/0629

Receipt Date : 4-Sep-2021

M/s. Mukilans Lab,  
Ambattur,  
Chennai - 600 053.

Date of Calibration : 6-Sep-2021

Suggested calibration Due Date : 5-Sep-2022

Calibrated at In House

Customer Reference : Work Order

Calibration Procedure : ECT/WI-M-06

### Equipment Under Calibration

Physical Condition : Good

Name : Micropipette  
Make : Erba  
Model : --  
S.No : MB 400916  
ID No. : --

Range : 5 to 50  $\mu$ l

Accuracy : As Per Manual

Location : --

### Environmental Conditions

Temperature 24.6  $^{\circ}$ C Relative Humidity 59.9 %RH Atmosphere Pressure 1000 mbar

### Standard Equipment used for Calibration

S.No	Standard Instrument	Serial No	Certificate number	Validity
1	Semi Microbalance	31504484	TVCSPL 20/10/882-04	30.09.2021

### Calibration Results

Parameter - Mechanical / Volume

1. Volume Measurement for Low value 10  $\mu$ l  
Number of Measurements taken is 10

Measurements									
$\mu$ l									
1	2	3	4	5	6	7	8	9	10
9.91	9.92	9.91	9.95	9.96	9.94	9.94	9.99	9.95	9.92

Mean Volume 9.94  $\mu$ l  
Systematic Error -0.06  $\mu$ l  
Random Error 0.03  $\mu$ l  
Measurement Uncertainty  $\pm$  0.36  $\mu$ 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.



# EURO CALIBRATION TECHNIQUE

No. 387, IInd Floor, TIC Road, Varadharajapuram,  
Ambattur, Chennai-600 053. Tamil Nadu  
Tel: 044-48521288 Mobile: 9486195184, 9176032184  
E-mail: eurocalibration@gmail.com web: www.eurocalibration.com



## CERTIFICATE OF CALIBRATION

Certificate Number : ECT 2021/0629- 03  
ULR Number : CC2519 21 0 00006168F

Date of Issue : 6-Sep-2021  
Pages : 2 of 2

2. Volume Measurement for Low value 30  $\mu\text{l}$   
Number of Measurements taken is 10

Measurments									
$\mu\text{l}$									
1	2	3	4	5	6	7	8	9	10
29.92	29.86	29.91	29.92	29.93	29.96	29.88	29.89	29.94	29.85

Mean Volume 29.91  $\mu\text{l}$   
Systematic Error -0.09  $\mu\text{l}$   
Random Error 0.04  $\mu\text{l}$   
Measurement Uncertainty $\pm$  0.36  $\mu\text{l}$


3. Volume Measurement for Low value 50  $\mu\text{l}$   
Number of Measurements taken is 10

Measurments									
$\mu\text{l}$									
1	2	3	4	5	6	7	8	9	10
49.95	49.98	49.95	49.96	49.95	49.95	49.94	49.91	49.92	49.95

Mean Volume 49.95  $\mu\text{l}$   
Systematic Error -0.05  $\mu\text{l}$   
Random Error 0.02  $\mu\text{l}$   
Measurement Uncertainty $\pm$  0.36  $\mu\text{l}$

  
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.