

# MK BEST CALIBRATION SERVICES

NABL ACCREDITED CALIBRATION LABORATORY AS PER ISO/IEC17025 : 2017

No. 27, F-2, 1st Floor, 2nd Street, Varalakshmi Nagar, Maduravoyal,  
(Opp. MGR Engineering College), Chennai - 600 095.

Ph.: 044 - 23780211, Cell : 93802 66480 / 86958 18108 / 90032 77250

E-mail: mkbestcalibration@gmail.com, www.mkbestcalibrationservices.com



CC-3340

## CERTIFICATE OF CALIBRATION

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ULR No	CC334022000014127F	Date of Calibration	05.08.2022	Date of Receipt	05.08.2022
Certificate No	MKBL/22/08/0945-003	Recom. Due Date	04.08.2023	Date of Issue	12.08.2022

CUSTOMER INFORMATION		DETAILS OF UNIT UNDER CALIBRATION	
M/S., SANTHI VALLUVAR LABORATORY, AMBATTUR, CHENNAI - 53		Description	MICROPIPETTE - 1
		Make / Model	MERILETTE / 304672
		Range/Resolution	5 to 50 µl / 1 µl
		Serial No	VV5 - 50
		Identification No	SVL / CB / GEN / 02
		Calibrated at	LAB

STANDARD INSTRUMENTS DETAILS (The Standards Used are Traceable to National /International Standards)				
S.No	Description	Id.No/SI. No	Certificate No	Validity
01	Electronic Semi Micro Balance	MK/CAL-96/477904	TVCSPL 22/07/1229	22.07.2023

ENVIRONMENTAL & DUC CONDITIONS		REFERENCE STANDARD & ACCEPTANCE LIMIT	
Temperature	23 ± 1.5°C	Reference Std	ISO 8655-6:2002
Humidity	40 - 60 % RH	Procedure No	MKBCS - MBV - 03
Condition of DUC Receipt	Good		

CALIBRATION RESULTS				
I.VOLUME CALIBRATION				
S.No	DUC Reading (Mean) µl	STD Reading (Mean) µl	Deviation µl	Expanded Uncertainty (±) µl
1	10	10.03	-0.03	1.18
2	20	20.05	-0.05	
3	30	30.09	-0.09	
4	40	40.14	-0.14	
5	50	50.18	-0.18	

- Remarks :**
- The Expanded Uncertainty Associated with the Results is Calculated at a Confidence Level of Approximately 95% with a Coverage factor of K=2.
  - The Calibration Certificate Shall not be Reproduced Expect In Full,Without Written Approval Of The Laboratory.
  - The Recalibration Interval Should be Determined on the User Requirement.
  - The Results Stated In This Certificate Relate Only to the Item Calibrated.
  - The User Should Determine The Suitability Of The Instrument For Is Intended Use.
  - Resulted Volume Convert at 27°C of Water Temperature.
  - Expanded Uncertainty is also Included Correction Factors.

x-x-x-x- End Of Certificate -x-x-x-x

Calibrated by

S. Murugesan  
(Calibration Engineer)

Authorised By

L. Magesh  
(MD/QM)

