

MK BEST CALIBRATION SERVICES

NABL ACCREDITED CALIBRATION LABORATORY AS PER ISO/IEC17025 : 2017



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CC-3340

CERTIFICATE OF CALIBRATION

FF/7.8/01

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ULR No	CC334022000013005F	Date of Calibration	21.07.2022	Date of Receipt	21.07.2022
Certificate No	MKBL/22/07/0870-001	Recom. Due Date	20.07.2023	Date of Issue	25.07.2022

CUSTOMER INFORMATION

M/S ., GUARANTEE DIAGNOSTIC CENTRE ,
NO : 147 , LAWSPET MAIN ROAD , LAWSPET ,
PUDUCHREEY - 605 008 .

DETAILS OF UNIT UNDER CALIBRATION

Description	MICROPIPETTE - 1
Make / Model	ERBA ETTE
Range/Resolution	100 to 1000 µl / 5 µl
Serial No	AB153607
Identification No	GDC/EQP/CB/003
Manufacturer Name	ERBA MANNHEIM
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 21/07/863-01	23.07.2022

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	100	100.46	-0.46	7.29
2	400	400.54	-0.54	
3	600	600.63	-0.63	
4	800	800.76	-0.76	
5	1000	1000.83	-0.83	

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)