

# 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	CC334022000012242F	Date of Calibration	08.07.2022	Date of Receipt	07.07.2022
Certificate No	MKBL/22/07/0814-003	Recom. Due Date	07.07.2023	Date of Issue	08.07.2022

### CUSTOMER INFORMATION

M/S., SUN LABORATORY,  
VILLUPURAM.

### DETAILS OF UNIT UNDER CALIBRATION

Description	STEM THERMOMETER
Range / Resolution	-50 - 300°C / 0.1°C
Make / Model	---
Identification No	SLV/EQP/GEN/04
Serial No	---
Manufacturer Name	MULTI
Calibrated At	LAB

### STANDARD INSTRUMENTS DETAILS (The Standards Used are Traceable to National /International Standards)

S.No	Description	Id.No/Sl. No	Certificate No	Validity
01	SSPRT	MK CAL-193	CRMTL/01/421100630-A1	18.11.2022
02	DIGITAL MULTIMETER	MK/CAL-45	EQN/CRF/2201081	23.01.2023

### ENVIRONMENTAL & DUC CONDITIONS

### REFERENCE STANDARD & ACCEPTANCE LIMIT

Temperature	25 ± 4°C	Reference Std	EURAMET/cg-08/v.02
Humidity	30 - 75 % RH	Procedure No	MKBCS - TH - 02
Condition of DUC Receipt	Good		

### CALIBRATION RESULTS

#### I.THERMAL CALIBRATION

S.No	Set Value °C	Standard Reading °C	DUC Reading °C	Deviation °C	Expanded Uncertainty (±) °C
1	0	0.00	0.0	0.00	1.75
2	100	100.25	99.8	-0.45	
3	150	150.19	149.8	-0.39	
4	200	200.26	199.8	-0.46	
5	250	250.20	249.8	-0.40	

#### 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.

Calibrated by

S.Chandra Bose  
(Calibration Engineer)

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



Authorised By

L.Magesh  
(MD/QM)



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ULR No	CC334022000012240F	Date of Calibration	08.07.2022	Date of Receipt	07.07.2022
Certificate No	MKBL/22/07/0814-001	Recom. Due Date	07.07.2023	Date of Issue	08.07.2022

### CUSTOMER INFORMATION

M/S., SUN LABORATORY,  
VILLUPURAM.

### DETAILS OF UNIT UNDER CALIBRATION

Description	MICROPIPETTE - 1
Make / Model	0.001200
Range/Resolution	100 to 1000 µl / 5 µl
Serial No	VV1000
Identification No	SLV/CB/GEN/02
Manufacturer Name	OZOPET
Calibrated at	LAB

### STANDARD INSTRUMENTS DETAILS (The Standards Used are Traceable to National /International Standards)

S.No	Description	Id.No/Sl. No	Certificate No	Validity
01	Electronic Semi Micro Balance	MK/CAL-96/477904	TVCSP 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

#### 1. VOLUME CALIBRATION

S.No	DUC Reading (Mean) µl	STD Reading (Mean) µl	Deviation µl	Expanded Uncertainty (±) µl
1	200	200.20	0.20	7.29
2	400	400.32	0.32	
3	600	600.42	0.42	
4	800	800.59	0.59	
5	1000	1000.60	0.60	

#### Remarks :

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- 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 Its 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

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S.Chandra Bose  
(Calibration Engineer)



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FF/7.8/01

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ULR No	CC334022000012241F	Date of Calibration	08.07.2022	Date of Receipt	07.07.2022
Certificate No	MKBL/22/07/0814-002	Recom. Due Date	07.07.2023	Date of Issue	08.07.2022

CUSTOMER INFORMATION	DETAILS OF UNIT UNDER CALIBRATION	
M/S ., SUN LABORATORY , VILLUPURAM .	Description	MICROPIPETTE - 2
	Make / Model	0.001200
	Range/Resolution	20 to 200 µl / 1 µl
	Serial No	VV100
	Identification No	SLV/CB/GEN/03
	Manufacturer Name	OZOPET
	Calibrated at	LAB

STANDARD INSTRUMENTS DETAILS (The Standards Used are Traceable to National /International Standards)

S.No	Description	Id.No/Sl. No	Certificate No	Validity
01	Electronic Semi Micro Balance	MK/CAL-96/477904	TVCSP 21/07/863-01	23.07.2022

ENVIRONMENTAL & DUC CONDITIONS REFERENCE STANDARD & ACCEPTANCE LIMIT

Parameter	Value	Reference Std	Procedure No	Acceptance Limit
Temperature	23 ± 1.5°C	ISO 8655-6:2002		
Humidity	40 - 60 % RH			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	20	20.10	0.10	7.29
2	50	50.15	0.15	
3	100	100.20	0.20	
4	150	150.32	0.32	
5	200	200.53	0.53	

**Remarks :**

- The Expanded Uncertainty Associated with the Results is Calculated at a Confidence Level of Approximately 95% with a Coverage factor of K=2.
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- 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

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