

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

FF/7.8/01		Page No		1 of 1	
URL No	CC334022000010875F	Date of Calibration	01.06.2022	Date of Receipt	01.06.2022
Certificate No	MKBL/22/06/0669-001	Recom. Due Date	31.05.2023	Date of Issue	08.06.2022

CUSTOMER INFORMATION

M/S. SRI SAMRAJ LABS,
(A UNIT OF SRI SAMRAJ HEALTH SERVICE PVT LTD)
NO : 14/2 , N.G.O COLONY ,
TINDIVANAM - 604 001 .

DETAILS OF UNIT UNDER CALIBRATION

Description	MICROPIPETTE
Make / Model	THERMO SCIENTIFIC / 4642090
Range/Resolution	100-1000 µl / 10 µl
Serial No	SW 04567
Identification No	SSLTVM/EQP/CB/003
Location	---
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	TVCSPL 21/07/863-01	23.07.2022

ENVIRONMENTAL & DUC CONDITIONS

Temperature	23 ± 1.5°C
Humidity	40 - 60 % RH
Condition of DUC Receipt	Good

REFERENCE STANDARD & ACCEPTANCE LIMIT

Reference Std	ISO 8655-6:2002
Procedure No	MKBCS - MBV - 03

CALIBRATION RESULTS

I.VOLUME CALIBRATION

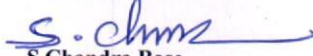
S.No	DUC Reading (Mean) µl	STD Reading (Mean) µl	Deviation µl	Expanded Uncertainty (±) µl
1	100	99.99	-0.01	7.29
2	300	299.98	-0.02	
3	500	499.98	-0.02	
4	700	699.97	-0.03	
5	1000	999.97	-0.03	

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 Except 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 Its Intended Use.
- Resulted Volume Convert at 27°C of Water Temperature.
- Expanded Uncertainty is also Included Correction Factors.

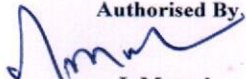
x-x-x-x- End Of Certificate -x-x-x-x

Calibrated by


S.Chandra Bose
(Calibration Engineer)



Authorised By


L.Magesh
(MD/QM)

MK BEST CALIBRATION SERVICES



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CERTIFICATE OF CALIBRATION

FF/7.8/01

1 of 1

URL No	CC334022000010876F	Date of Calibration	01.06.2022	Date of Receipt	01.06.2022
Certificate No	MKBL/22/06/0669-002	Recom. Due Date	31.05.2023	Date of Issue	08.06.2022

CUSTOMER INFORMATION	DETAILS OF UNIT UNDER CALIBRATION														
M/S. SRI SAMRAJ LABS, (A UNIT OF SRI SAMRAJ HEALTH SERVICE PVT LTD) NO : 14/2 , N.G.O COLONY , TINDIVANAM - 604 001 .	<table border="1"> <tr> <td>Description</td> <td>MICROPIPETTE</td> </tr> <tr> <td>Make / Model</td> <td>THERMO SCIENTIFIC / 4642080</td> </tr> <tr> <td>Range/Resolution</td> <td>20 - 200 µl / 10 µl</td> </tr> <tr> <td>Serial No</td> <td>SW 01022</td> </tr> <tr> <td>Identification No</td> <td>SSLTVM/EQP/CB/003</td> </tr> <tr> <td>Location</td> <td>----</td> </tr> <tr> <td>Calibrated at</td> <td>LAB</td> </tr> </table>	Description	MICROPIPETTE	Make / Model	THERMO SCIENTIFIC / 4642080	Range/Resolution	20 - 200 µl / 10 µl	Serial No	SW 01022	Identification No	SSLTVM/EQP/CB/003	Location	----	Calibrated at	LAB
Description	MICROPIPETTE														
Make / Model	THERMO SCIENTIFIC / 4642080														
Range/Resolution	20 - 200 µl / 10 µl														
Serial No	SW 01022														
Identification No	SSLTVM/EQP/CB/003														
Location	----														
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	TVCSP1 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	20	20.01	0.01	7.29
2	40	40.01	0.01	
3	80	80.01	0.01	
4	120	120.02	0.02	
5	160	160.02	0.02	
6	200	200.02	0.02	

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- 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

Calibrated by

S. Chandra Bose
S.Chandra Bose
(Calibration Engineer)



Authorised By

L. Magesh
L.Magesh
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CERTIFICATE OF CALIBRATION

URL No	CC334022000010877F	Date of Calibration	11.06.2022	Date of Receipt	11.06.2022
Certificate No	MKBL/22/06/0669-003	Recom. Due Date	10.06.2023	Date of Issue	11.06.2022

CUSTOMER INFORMATION		DETAILS OF UNIT UNDER CALIBRATION	
M/S. SRI SAMRAJ LABS , (A UNIT OF SRI SAMRAJ HEALTH SERVICE PVT LTD) NO : 14/2 , N.G.O COLONY , TINDIVANAM - 604 001 .		Description	STEM THERMOMETER
		Range / Resolution	-50 - 300°C / 0.1°C
		Make / Model	MULTI
		Identification No	STM- 01
		Serial No	---
		Identification No	SSLTVM/EQP/CB/005
		Location	---
		Calibrated At	SIDE

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	
Temperature	25 ± 4°C	Reference Std	EURAMET/cg-11/v.01
Humidity	30 - 75 % RH	Procedure No	MKBCS - ET - 01
Condition of DUC	Good		

CALIBRATION RESULTS

I.ELECTRO TECHNICAL CALIBRATION - TEMPERATURE SIMULATION

S.No	Standard Reading °C	DUC Reading (Mean) °C	Deviation °C	Expanded Uncertainty (±) °C
1	-40.00	-39.9	0.1	0.71
2	0.00	0.2	0.2	0.71
3	50.00	50.2	0.2	0.71
4	100.00	100.3	0.3	0.71
5	200.00	200.3	0.3	0.71
6	250.00	250.3	0.3	0.71

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URL No	CC334022000010878F	Date of Calibration	11.06.2022	Date of Receipt	11.06.2022
Certificate No	MKBL/22/06/0669-004	Recom. Due Date	10.06.2023	Date of Issue	11.06.2022

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NO : 14/2 , N.G.O COLONY ,
TINDIVANAM - 604 001 .

DETAILS OF UNIT UNDER CALIBRATION

Description	Digital Thermo Hygrometer
Make / Model	HTC / HTC - 2
Range	-10 to 50 ° C / 10% 99%RH
Resolution	± 0.1 ° C / ± 1%
ID / No	SSLTVM/EQP/CB/004
Serial No	---
Location	---
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	Temperature & Humidity Indicator with sensor	MK/CAL-43 / HTI042K152714	CRMTL/01/421100630-A4	07.07.2022

ENVIRONMENTAL CONDITIONS

Temperature	25 ± 4°C	Procedure No	MKBCS - TH - 09
Humidity	30 - 75 % RH	Condition of DUC	Good

REFERENCE STANDARD

CALIBRATION RESULTS

1.THERMAL CALIBRATION TEMPERATURE

Parameter / Range	Standard Reading (° C)	DUC Reading (° C)	Deviation (° C)	Expanded Uncertainty (±) (° C)
Temperature @ 50% RH	20.22	20.4	0.18	0.31
	30.12	30.5	0.38	
	40.08	40.5	0.42	
	50.14	50.6	0.46	

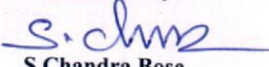
Parameter / Range	Standard Reading (%RH)	UUC Reading (%RH)	Deviation (%RH)	Expanded Uncertainty (±) %RH
Humidity @ 25°C	30.3	31	-0.7	1.42
	50.3	52	-1.7	
	70.4	73	-2.6	
	90.4	93	-2.6	

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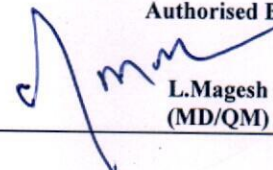
x-x-x-x End Of Certificate x-x-x-x

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