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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URL No	CC334022000010875F	Date of Calibration	01.06.2022	Date of Reciept	01.06.2022
Certificate No	MKBL/22/06/0669-001	Recom. Due Date	31.05.2023	Date of Issue	08.06.2022

CUSTOMER INFORMATION	DETAILS OF UNIT UNDER CALIBRATION	
M/S. SRI SAMRAJ LABS ,	Description	MICROPIPETTE
(A UNIT OF SRI SAMRAJ HEALTH SERVICE PVT LTD)	Make / Model	THERMO SCIENTIFIC / 4642090
NO : 14/2 , N.G.O COLONY ,	Range/Resolution	100-1000 µl / 10 µl
TINDIVANAM - 604 001 .	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		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 Uncertainity (±) 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 :

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

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

Calibrated by
S.Chandra Bose
(Calibration Engineer)

MK BEST CALIBRATION SERVICES CHENNAI

Authorised By
L.Magesh
(MD/QM)

MK BEST CALIBRATION SERVICES

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CERTIFICATE OF CALIBRATION

FF/7.8/01

URL No	CC334022000010876F	Date of Calibration	01.06.2022	Date of Reciept	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 ,	Description	MICROPIPETTE
(A UNIT OF SRI SAMRAJ HEALTH SERVICE PVT LTD)	Make / Model	THERMO SCIENTIFIC / 4642080
NO : 14/2 , N.G.O COLONY ,	Range/Resolution	20 - 200 µl / 10 µl
TINDIVANAM - 604 001 .	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	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

1.VOLUME CALIBRATION

S.No	DUC Reading (Mean) µl	STD Reading (Mean) µl	Deviation µl	Expanded Uncertainity (±) 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	

Remarks :

1. 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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5. The User Should Determine The Suitablity Of The Instrument For Is Intended Use.
6. Resulted Volume Convert at 27°c of Water Temperature.
7. Expanded Uncertainity is also Included Correction Factors.

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

Calibrated by
S.Chandra Bose
(Calibration Engineer)

MK BEST CALIBRATION SERVICES CHENNAI

Authorised By
L.Magesh
(MD/QM)

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CERTIFICATE OF CALIBRATION

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URL No	CC334022000010877F	Date of Calibration	11.06.2022	Date of Reciept	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

1.ELECTRO TECHNICAL CALIBRATION - TEMPERATURE SIMULATION

S.No	Standard Reading °C	DUC Reading (Mean) °C	Deviation °C	Expanded Uncertainity (±) °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

Remarks :

1. 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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5. The User Should Determine The Suitablity Of The Instrument For Is Intended Use.

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

Calibrated by
S.Chandra Bose
(Calibration Engineer)

MK BEST CALIBRATION SERVICES CHENNAI

Authorised By
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(MD/QM)

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CERTIFICATE OF CALIBRATION

FF/7.8/01				Page No	1 of 2
URL No	CC334022000010878F	Date of Calibration	11.06.2022	Date of Reciept	11.06.2022
Certificate No	MKBL/22/06/0669-004	Recom. Due Date	10.06.2023	Date of Issue	11.06.2022

CUSTOMER INFORMATION	DETAILS OF UNIT UNDER CALIBRATION	
M/S. SRI SAMRAJ LABS ,	Description	Digital Thermo Hygrometer
(A UNIT OF SRI SAMRAJ HEALTH SERVICE PVT LTD)	Make / Model	HTC / HTC - 2
NO : 14/2 , N.G.O COLONY ,	Range	-10 to 50 ° C / 10% 99%RH
TINDIVANAM - 604 001 .	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		REFERENCE STANDARD	
Temperature	25 ± 4°C	Procedure No	MKBCS - TH - 09
Humidity	30 - 75 % RH	Condition of DUC	Good

CALIBRATION RESULTS

1.THERMAL CALIBRATION TEMPERATURE

Parameter / Range	Standard Reading (°C)	DUC Reading (°C)	Deviation (° C)	Expanded Uncertainity (±) (° 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 Uncertainity (±) %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	

Remarks :

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

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(Calibration Engineer)

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