



Perfect Calibration Centre Pvt. Ltd.

No.40, 71st Cross, 5th Block, Rajaji Nagar, Bangalore - 560 010.
Ph : 080-2315 5522, 2315 5577, 2315 5588, 99726 97733
E-mail : infoblcr@perfectcallab.in / perfectblr@yahoo.in
Website : www.perfectcallab.in



NABL LAB FOR : MECHANICAL • THERMAL • ET • AIR / FLUID FLOW • FORCE • MASS • OPTICAL

CERTIFICATE OF CALIBRATION

ULR-CC224721100011588F
ISSUE DATE:10/07/2021

CUSTOMER : M/s. COSMOS CLINIC & DIAGNOSTICS, ANDRAHALLI, MAIN ROAD, BANGALORE - 560 091.	REPORT NO. : PC-07-21/ATS/0366-01 CAL DATE : 08/07/2021 DUE DATE : 07/07/2022 PAGE NO. : 1/1
CUST REF : VERBAL	
DEPT : AT SITE	

DETAILS OF DEVICE UNDER CALIBRATION INCUBATOR (DRY BLOCK)

MAKE	DELTA LAB	SL NO	30SD0156
MODEL	SD3DX37LED	ID NO	CCD/INCUBATOR(B)/13
RANGE	37 °C	TYPE	DIGITAL
L.C.	0.1 °C	LOCATION	LAB

ENVIRONMENTAL CONDITIONS:			
TEMPERATURE : 25±10°C			
HUMIDITY : 30 to 75 %RH			
STANDARD USED	CERTIFICATION NO.	SL.NO/ ID.NO.	VALIDITY
HANDY CALIBRATOR	TSC/20-21/6246-1	PCCPL/ET/HC/43	19/10/2021
RTD SENSOR	PC-12-20/ATL/042-01	PCCPL/TH/RTD-01	25/12/2021

The standards used are traceable to National / International Standards.

Cal Procedure No: PCCPL/CAL/TH/001 & 011

COMPARISON METHOD

THERMAL CALIBRATION

CALIBRATION RESULTS

Sl No.	DUC Reading(°C)	STD Reading(°C)	Observed Deviation(°C)	Measurement Uncertainty*(±) °C
1	37	36.3	0.7	0.12

Conclusion Remarks:

- The reported expanded uncertainty of measurement is stated as the standard uncertainty of measurement multiplied by the coverage factor k such that the coverage probability corresponds to approximately 95% and k = 2
- Standard & DUC readings is an average of Five repeated readings.

KARTHIK.P
CALIBRATION ENGINEER
CALIBRATED BY



KARTHIK.P
CALIBRATION ENGINEER
CHECKED BY



GOWTHAM
SENIOR CALIBRATION ENGINEER
AUTHORISED SIGNATORY



Perfect Calibration Centre Pvt. Ltd.

No.40, 71st Cross, 5th Block, Rajaji Nagar, Bangalore - 560 010.
Ph : 080-2315 5522, 2315 5577, 2315 5588, 99726 97733
E-mail : infobl@perfectcallab.in / perfectblr@yahoo.in
Website : www.perfectcallab.in



NABL LAB FOR : MECHANICAL • THERMAL • ET • AIR / FLUID FLOW • FORCE • MASS • OPTICAL

CERTIFICATE OF CALIBRATION

ULR-CC224721100011589F
ISSUE DATE:10/07/2021

CUSTOMER : M/s. COSMOS CLINIC & DIAGNOSTICS, ANDRAHALLI, MAIN ROAD, BANGALORE - 560 091.	REPORT NO. : PC-07-21/ATS/0366-02 CAL DATE : 08/07/2021 DUE DATE : 07/07/2022 PAGE NO. : 1/1
CUST REF : VERBAL DEPT : AT SITE	

DETAILS OF DEVICE UNDER CALIBRATION

INCUBATOR

MAKE	KEMI	SL NO	16994
MODEL	KIS - 2 - D	ID NO	CCD/INCUBATOR(A)/12
RANGE	Amb to 80 °C	TYPE	DIGITAL
L.C.	0.1 °C	LOCATION	LAB

ENVIRONMENTAL CONDITIONS:

TEMPERATURE : 25±10°C

HUMIDITY : 30 to 75 %RH

STANDARD USED	CERTIFICATION NO.	SL.NO/ ID.NO.	VALIDITY
HANDY CALIBRATOR	TSC/20-21/6246-1	PCCPL/ET/HC/43	19/10/2021
RTD SENSOR	PC-12-20/ATL/042-01	PCCPL/TH/RTD-01	25/12/2021

The standards used are traceable to National / International Standards.

Cal Procedure No: PCCPL/CAL/TH/001 & 011

COMPARISON METHOD

THERMAL CALIBRATION

CALIBRATION RESULTS

SI No.	DUC Reading(°C)	STD Reading(°C)	Observed Deviation(°C)	Measurement Uncertainty (±) °C
1	35.0	35.5	-0.5	0.12
2	36.0	36.5	-0.5	0.12
3	37.0	37.6	-0.6	0.12
4	38.0	38.6	-0.6	0.12
5	39.0	39.6	-0.6	0.12

Conclusion Remarks:

1. The reported expanded uncertainty of measurement is stated as the standard uncertainty of measurement multiplied by the coverage factor k such that the coverage probability corresponds to approximately 95% and k = 2

2. Standard & DUC readings is an average of Five repeated readings.

KARTHIK.P
CALIBRATION ENGINEER
CALIBRATED BY



KARTHIK.P
CALIBRATION ENGINEER
CHECKED BY



GOWTHAM
SENIOR CALIBRATION ENGINEER
AUTHORISED SIGNATORY



Perfect Calibration Centre Pvt. Ltd.

No.40, 71st Cross, 5th Block, Rajaji Nagar, Bangalore - 560 010.
 Ph : 080-2315 5522, 2315 5577, 2315 5588, 99726 97733
 E-mail : infobl@perfectcallab.in / perfectblr@yahoo.in
 Website : www.perfectcallab.in



NABL LAB FOR : MECHANICAL • THERMAL • ET • AIR / FLUID FLOW • FORCE • MASS • OPTICAL

CERTIFICATE OF CALIBRATION

ULR-CC224721100011590F
 ISSUE DATE:10/07/2021

CUSTOMER : M/s. COSMOS CLINIC & DIAGNOSTICS, ANDRAHALLI, MAIN ROAD, BANGALORE - 560 091.	REPORT NO. : PC-07-21/ATS/0366-03
CUST REF : VERBAL	CAL DATE : 08/07/2021
DEPT. : AT SITE	DUE DATE : 07/07/2022
	PAGE NO. : 1/3

DETAILS OF DEVICE UNDER CALIBRATION
ELECTRONIC BALANCE

MAKE	----	RANGE	Max 500 g
MODEL	----	L.C.	0.01 g
SL. NO.	----	LOCATION	LAB
ID NO	CCD/DIGITALSCALE/52	TYPE	DIGITAL

ENVIRONMENTAL CONDITIONS:

TEMPERATURE : 25±5°C
 HUMIDITY : 30 to 75 %RH

STANDARD USED	CERTIFICATE NUMBER	VALIDITY
MASTER WEIGHTS	WI/June/19/002	10/06/2022
MASTER WEIGHTS	3001020-V01	20/10/2021

The standards used are traceable to National / International Standards.

REFERENCE STANDARD : O.I.M.L.-R-76 RECOMMENDATION

CALIBRATION PROCEDURE : PCCPL/CAL/WB/002(S)

CALIBRATION RESULTS

SL. NO.	NOMINAL WEIGHT VALUE	STD. WEIGHT READING	TEST BALANCE READING	OBSERVED DEVIATION
1	50 mg	0.050002	0.05 g	0.00 g
2	100	0.100004	0.10	0.00
3	200	0.200007	0.20	0.00
4	500	0.500004	0.50	0.00
5	1 g	1.000011	1.00	0.00
6	2	1.999978	1.99	-0.01
7	5	5.000016	4.99	-0.01
8	10	10.000030	9.98	-0.02
9	20	19.999974	19.98	-0.02
10	50	50.000062	49.96	-0.04
11	100	100.000082	99.94	-0.06
12	200	200.000149	199.94	-0.06
13	500	499.99997	499.93	-0.07

sk
 SANTHOSH KUMAR.V
 CALIBRATION ENGINEER
 CALIBRATED BY



[Signature]
 KARTHIK.P
 CALIBRATION ENGINEER
 CHECKED BY



[Signature]
 S.SRINIVASAN
 MANAGING DIRECTOR
 AUTHORISED SIGNATORY



Perfect Calibration Centre Pvt. Ltd.

No.40, 71st Cross, 5th Block, Rajaji Nagar, Bangalore - 560 010.
 Ph : 080-2315 5522, 2315 5577, 2315 5588, 99726 97733
 E-mail : infoblcr@perfectcallab.in / perfectblr@yahoo.in
 Website : www.perfectcallab.in



CC - 2247

NABL LAB FOR : MECHANICAL • THERMAL • ET • AIR / FLUID FLOW • FORCE • MASS • OPTICAL

CERTIFICATE OF CALIBRATION

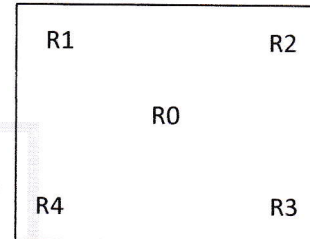
ULR-CC224721100011590F
 ISSUE DATE:10/07/2021

REPORT NO. : PC-07-21/ATS/0366-03

PAGE NO. :2/3

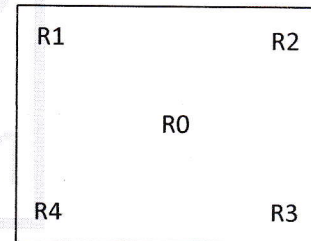
CORNER LOAD TEST ASCENDING

POSITION	STD. WEIGHT READING	TEST BALANCE READING
R0	200 g	199.94 g
R1	200	199.94
R2	200	199.91
R3	200	199.93
R4	200	199.94



CORNER LOAD TEST DESCENDING

POSITION	STD. WEIGHT READING	TEST BALANCE READING
R0	200 g	199.94 g
R1	200	199.94
R2	200	199.91
R3	200	199.93
R4	200	199.94



CORNER LOAD TEST AVERAGE

ASCENDING in g		DESCENDING in g	
R0 -R1	0.00	R0 -R1	0.00
R0 -R2	0.03	R0 -R2	0.03
R0 -R3	0.01	R0 -R3	0.01
R0 -R4	0.00	R0 -R4	0.00

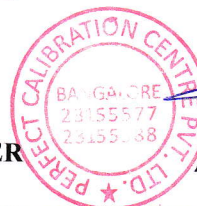
SK

SANTHOSH KUMAR.V
 CALIBRATION ENGINEER
 CALIBRATED BY



SK

KARTHIK.P
 CALIBRATION ENGINEER
 CHECKED BY



S.SRINIVASAN

MANAGING DIRECTOR
 AUTHORISED SIGNATORY



Perfect Calibration Centre Pvt. Ltd.

No.40, 71st Cross, 5th Block, Rajaji Nagar, Bangalore - 560 010.
 Ph : 080-2315 5522, 2315 5577, 2315 5588, 99726 97733
 E-mail : infobl@perfectcallab.in / perfectblr@yahoo.in
 Website : www.perfectcallab.in



CC - 2247

NABL LAB FOR : MECHANICAL • THERMAL • ET • AIR / FLUID FLOW • FORCE • MASS • OPTICAL

CERTIFICATE OF CALIBRATION

ULR-CC224721100011590F
 ISSUE DATE:10/07/2021

REPORT NO. : PC-07-21/ATS/0366-03

PAGE NO. :3/3

REPERATABILITY OF FULL LOAD TEST				REPERATABILITY OF HALF LOAD TEST			
TEST RANGE - 500g				TEST RANGE - 250g			
TRIAL	SI.NO.	STD	DUC	TRIAL	SI.NO.	STD	DUC
TRIAL - 01	1	0	0.00	TRIAL - 01	1	0	0.00
	2	500	499.93		2	250	249.94
	3	500	499.93		3	250	249.94
	4	0	0.00		4	0	0.00
TRIAL - 02	1	0	0.00	TRIAL - 02	1	0	0.00
	2	500	499.93		2	250	249.94
	3	500	499.93		3	250	249.94
	4	0	0.00		4	0	0.00
TRIAL - 03	1	0	0.00	TRIAL - 03	1	0	0.00
	2	500	499.93		2	250	249.94
	3	500	499.93		3	250	249.94
	4	0	0.00		4	0	0.00
TRIAL - 04	1	0	0.00	TRIAL - 04	1	0	0.00
	2	500	499.93		2	250	249.94
	3	500	499.93		3	250	249.94
	4	0	0.00		4	0	0.00
TRIAL - 05	1	0	0.00	TRIAL - 05	1	0	0.00
	2	500	499.93		2	250	249.94
	3	500	499.93		3	250	249.94
	4	0	0.00		4	0	0.00

Conclusion Remarks:

UNCERTAINTY OF MEASUREMENTS = ± 6.56mg

THE REPORTED EXPANDED UNCERTAINTY OF MEASUREMENT IS STATED AS THE STANDARD UNCERTAINTY OF MEASUREMENT MULTIPLIED BY THE COVERAGE FACTOR K SUCH THAT THE COVERAGE PROBABILITY CORRESPONDS TO APPROXIMATELY 95% AND K = 2

NOTE : THIS CALIBRATION IS VALID FOR SCIENTIFIC AND INDUSTRIAL PURPOSE ONLY.

HOWEVER,IF USED FOR COMMERCIAL TRADING ADDITIONAL RECOGNITION/APPROVAL SHALL BE COMPILED AS REQUIRED BY DEPT.OF LEGAL METROLOGY, REGULATORY BODIES,ETC...

SK
 SANTHOSH KUMAR.V
 CALIBRATION ENGINEER
 CALIBRATED BY



KP
 KARTHIK.P
 CALIBRATION ENGINEER
 CHEKED BY



SS
 S.SRINIVASAN
 MANAGING DIRECTOR
 AUTHORISED SIGNATORY



Perfect Calibration Centre Pvt. Ltd.

No.40, 71st Cross, 5th Block, Rajaji Nagar, Bangalore - 560 010.
Ph : 080-2315 5522, 2315 5577, 2315 5588, 99726 97733
E-mail : infobl@perfectcallab.in / perfectblr@yahoo.in
Website : www.perfectcallab.in



CC - 2247

NABL LAB FOR : MECHANICAL • THERMAL • ET • AIR / FLUID FLOW • FORCE • MASS • OPTICAL

CERTIFICATE OF CALIBRATION

ULR-CC224721100011593F
ISSUE DATE:10/07/2021

CUSTOMER : M/s. COSMOS CLINIC & DIAGNOSTICS,
ANDRAHALLI, MAIN ROAD, BANGALORE - 560 091.

REPORT NO. : PC-07-21/ATS/0366-04

CAL DATE : 08/07/2021

DUE DATE : 07/07/2022

PAGE NO. : 1/1

CUST REF : E-MAIL

DEPT. : AT SITE

DETAILS OF DEVICE UNDER CALIBRATION

CENTRIFUGE

MAKE	REMI	RANGE	Max 3600 rpm
MODEL	----	L.C.	----
SL. NO.	----	LOCATION	LAB
ID NO	CCD/CENTRIFUGE(C)/21	TYPE	ANALOG

ENVIRONMENTAL CONDITIONS:

TEMPERATURE : 25±5°C

HUMIDITY : 30 to 75%RH

NO.	STANDARD USED	ID.NO./SL.NO.	CERT.NO	VALIDITY
1	DIGITAL TACHOMETER.	PCCPL/S/DYM/19	HT/CC/201009-11/001	19/09/2021

The standards used are traceable to National / International Standards.

Cal Procedure No: PCCPL/CAL/S&A/001(S) & 002(S)

COMPARISON METHOD


MECHANICAL CALIBRATION (SPEED)

CALIBRATION RESULTS

SL. NO	DUC NOB POSITION	STANDARD READING IN rpm	Measurement Uncertainty (±) %
1	1	1240.8	0.12
2	2	2050.6	0.12
3	3	2690.3	0.12
4	4	3040.6	0.12
5	5	3601.5	0.12

Conclusion Remarks:

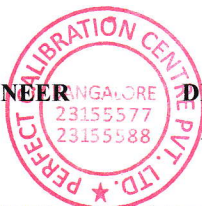
- The reported expanded uncertainty of measurement is stated as the standard uncertainty of measurement multiplied by the coverage factor k such that the coverage probability corresponds to approximately 95% and k = 2
- Standard & DUC readings is an average of Five repeated readings.


SANTHOSHKUMAR.V
CALIBRATION ENGINEER
CALIBRATED BY




KARTHIK.P
CALIBRATION ENGINEER
CHECKED BY


S. MADESHWARAN
DEPUTY QUALITY MANAGER
AUTHORISED SIGNATORY





Perfect Calibration Centre Pvt. Ltd.

No.40, 71st Cross, 5th Block, Rajaji Nagar, Bangalore - 560 010.
Ph : 080-2315 5522, 2315 5577, 2315 5588, 99726 97733
E-mail : infobl@perfectcallab.in / perfectblr@yahoo.in
Website : www.perfectcallab.in



NABL LAB FOR : MECHANICAL • THERMAL • ET • AIR / FLUID FLOW • FORCE • MASS • OPTICAL

CERTIFICATE OF CALIBRATION

ULR-CC224721100011592F
ISSUE DATE:10/07/2021

CUSTOMER : M/s. COSMOS CLINIC & DIAGNOSTICS,
ANDRAHALLI, MAIN ROAD, BANGALORE - 560 091.

REPORT NO. : PC-07-21/ATS/0366-05

CAL DATE : 08/07/2021

DUE DATE : 07/07/2022

PAGE NO. : 1/1

CUST REF : E-MAIL

DEPT. : AT SITE

DETAILS OF DEVICE UNDER CALIBRATION

CENTRIFUGE

MAKE	REMI	RANGE	Max 3600 rpm
MODEL	----	L.C.	----
SL. NO.	----	LOCATION	LAB
ID NO	CCD/CENTRIFUGE(B)/20	TYPE	ANALOG

ENVIRONMENTAL CONDITIONS:

TEMPERATURE : 25±5°C

HUMIDITY : 30 to 75%RH

NO.	STANDARD USED	ID.NO./SL.NO.	CERT.NO	VALIDITY
1	DIGITAL TACHOMETER.	PCCPL/S/DTM/19	HT/CC/201009-11/001	19/09/2021

The standards used are traceable to National / International Standards.

Cal Procedure No: PCCPL/CAL/S&A/001(S) & 002(S)

COMPARISON METHOD

MECHANICAL CALIBRATION (SPEED)

CALIBRATION RESULTS

SL. NO	DUC NOB POSITION	STANDARD READING IN rpm	Measurement Uncertainty (±) %
1	1	1499.5	0.12
2	2	2300.9	0.12
3	3	2819.9	0.12
4	4	3119.8	0.12
5	5	3609.3	0.12

Conclusion Remarks:

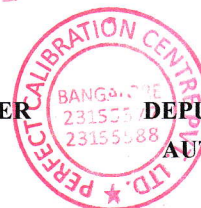
- The reported expanded uncertainty of measurement is stated as the standard uncertainty of measurement multiplied by the coverage factor k such that the coverage probability corresponds to approximately 95% and k = 2
- Standard & DUC readings is an average of Five repeated readings.

SANTHOSHKUMAR.V
CALIBRATION ENGINEER
CALIBRATED BY



KARTHIK.P
CALIBRATION ENGINEER
CHECKED BY

S. MADESHWARAR
DEPUTY QUALITY MANAGER
AUTHORISED SIGNATORY





Perfect Calibration Centre Pvt. Ltd.

No.40, 71st Cross, 5th Block, Rajaji Nagar, Bangalore - 560 010.
Ph : 080-2315 5522, 2315 5577, 2315 5588, 99726 97733
E-mail : infoblrc@perfectcallab.in / perfectblr@yahoo.in
Website : www.perfectcallab.in



NABL LAB FOR : MECHANICAL • THERMAL • ET • AIR / FLUID FLOW • FORCE • MASS • OPTICAL

CERTIFICATE OF CALIBRATION

ULR-CC224721100011591F
ISSUE DATE:10/07/2021

CUSTOMER : M/s. COSMOS CLINIC & DIAGNOSTICS, ANDRAHALLI, MAIN ROAD, BANGALORE - 560 091.	REPORT NO. : PC-07-21/ATS/0366-06 CAL DATE : 08/07/2021 DUE DATE : 07/07/2022 PAGE NO. : 1/1
CUST REF : E-MAIL	
DEPT. : AT SITE	

DETAILS OF DEVICE UNDER CALIBRATION

CENTRIFUGE

MAKE	REMI	RANGE	Max 5000 rpm
MODEL	R-8C	L.C.	10 rpm
SL. NO.	ZEBN - 08179	LOCATION	LAB
ID NO	CCD/CENTRIFUGE(A)/19	TYPE	DIGITAL

ENVIRONMENTAL CONDITIONS:

TEMPERATURE : 25±5°C
HUMIDITY : 30 to 75%RH

NO.	STANDARD USED	ID.NO./SL.NO.	CERT.NO	VALIDITY
1	DIGITAL TACHOMETER.	PCCPL/S/DTM/19	HT/CC/201009-11/001	19/09/2021

The standards used are traceable to National / International Standards.

Cal Procedure No: PCCPL/CAL/S&A/001(S) & 002(S)

COMPARISON METHOD


MECHANICAL CALIBRATION (SPEED)

CALIBRATION RESULTS


SL. NO	DUC READING IN rpm	STANDARD READING IN rpm	OBSERVED DEVIATION IN rpm	MEASUREMENT UNCERTAINTY (±) %
1	1000	999.5	0.5	0.12
2	1500	1499.8	0.2	0.12
3	2000	2000.2	-0.2	0.12
4	2500	2500.4	-0.4	0.12
5	3000	3000.3	-0.3	0.12
6	4000	4000.3	-0.3	0.12
7	5000	5000.7	-0.7	0.12

Conclusion Remarks:

- The reported expanded uncertainty of measurement is stated as the standard uncertainty of measurement multiplied by the coverage factor k such that the coverage probability corresponds to approximately 95% and k = 2
- Standard & DUC readings is an average of Five repeated readings.


SANTHOSHKUMAR.V
CALIBRATION ENGINEER
CALIBRATED BY




KARTHIK.P
CALIBRATION ENGINEER
CHECKED BY


S. MADESHWARAN
DEPUTY QUALITY MANAGER
AUTHORISED SIGNATORY



Perfect Calibration Centre Pvt. Ltd.

No. 84, "Times Corner", Gengu Reddy Road, Egmore, Chennai - 600 008.
Ph : (044) 28192530, 28192930, 28193130 www.perfectcallab.in
Email : perfectcallab.info@gmail.com / info@perfectcallab.in



CC - 2207

NABL LAB FOR : MECHANICAL • THERMAL • ET • AIR / FLUID FLOW • FORCE • MASS • OPTICAL

CERTIFICATE OF CALIBRATION

ULR-CC220721000029484F
ISSUE DATE:10/07/2021

CERTIFICATE NO. : PC - 07- 21 / ATL / 2432 - 01
CAL DATE : 10/07/2021
DUE DATE : 09/07/2022
PAGE NO. : 1/1
DISCIPLINE: MECHANICAL

CUSTOMER : M/s. COSMOS CLINICS AND DIAGNOSTICS,
ADDRESS : ANDRAHALLI MAIN ROAD,
BANGALORE - 560091.
CUST REF : DC.NO: 8162 DATED: 08/07/2021
DEPT : AT LAB

MICRO PIPETTE

DATE OF RECEIPT : '10/07/2021
PHYSICAL CONDITION : SATISFACTORY

TEMPERATURE : 20.4°C
HUMIDITY : 51% RH
ATMOSPHERIC PRESSURE : 1008 hpa
Z FACTOR : 1.0029 $\mu\text{L}/\text{mg}$

PIPETTE DETAILS :

MAKE : THERMO SCIENTIFIC **MODEL** : FINNPIPETTE F3
TYPE : VARIABLE **RANGE** : 20 - 200 μL
SL NO. : PW06165 **L.C.** : 0.2 μL
ID.NO : CCD/P20 - 200/33

STANDARD USED	SL.NO/ID.NO	CERT. NO.	VALIDITY
ELECTRONIC BALANCE	1125510540 / PCCPL/EB - 02	PC-09-20 / ATL / 2219-02	20/09/2021

CALIBRATION PROCEDURE : WI-M-MP-44(L) **REFERENCE STANDARD** : ISO 8655-6 & ISO/ TR 20461

CALIBRATION RESULTS

1. LOWER VOLUME

20 μL **NO. OF MEASUREMENT** : 10

20.10	20.23	20.12	20.20	20.22	20.12	20.05	20.19	20.23	20.22
-------	-------	-------	-------	-------	-------	-------	-------	-------	-------

MEAN VOLUME: 20.17 **ERROR LIMIT** **ERROR LIMIT**

SYSTEMATIC ERROR (e_s) μL : 0.05 ($\pm 0.2 \mu\text{L}$) **RANDOM ERROR (S_r) μL :** 0.06 ($\pm 0.1 \mu\text{L}$)

SYSTEMATIC ERROR (e_s) in % : 0.17 ($\pm 1.0 \%$) **RANDOM ERROR (C_v) % :** 0.32 ($\pm 0.5 \%$)

2. MIDDLE VOLUME

100 μL **NO. OF MEASUREMENT** : 10

100.21	100.26	100.14	100.09	100.13	100.06	99.94	100.06	99.99	100.12
--------	--------	--------	--------	--------	--------	-------	--------	-------	--------

MEAN VOLUME: 100.10 **ERROR LIMIT** **ERROR LIMIT**

SYSTEMATIC ERROR (e_s) μL : 0.10 ($\pm 0.8 \mu\text{L}$) **RANDOM ERROR (S_r) μL :** 0.10 ($\pm 0.3 \mu\text{L}$)

SYSTEMATIC ERROR (e_s) in % : 0.10 ($\pm 0.8 \%$) **RANDOM ERROR (C_v) % :** 0.10 ($\pm 0.3 \%$)

3. UPPER VOLUME

200 μL **NO. OF MEASUREMENT** : 10

200.21	200.05	200.18	200.16	200.11	200.64	200.38	200.34	200.23	200.36
--------	--------	--------	--------	--------	--------	--------	--------	--------	--------

MEAN VOLUME: 200.27 **ERROR LIMIT** **ERROR LIMIT**

SYSTEMATIC ERROR (e_s) μL : 0.27 ($\pm 1.6 \mu\text{L}$) **RANDOM ERROR (S_r) μL :** 0.17 ($\pm 0.6 \mu\text{L}$)

SYSTEMATIC ERROR (e_s) in % : 0.13 ($\pm 0.8 \%$) **RANDOM ERROR (C_v) % :** 0.09 ($\pm 0.3 \%$)

UNCERTAINTY OF MEASUREMENTS = $\pm 0.61 \mu\text{L}$

THE REPORTED EXPANDED MEASUREMENT UNCERTAINTY IS STATED AS THE COMBINED STANDARD MEASUREMENT UNCERTAINTY MULTIPLIED BY THE COVERAGE FACTOR K=2 SUCH THAT THE COVERAGE PROBABILITY CORRESPONDS TO APPROXIMATELY 95%.

NOTE : THIS CALIBRATION CERTIFICATE IS VALID FOR SCIENTIFIC & INDUSTRIAL PURPOSE ONLY AND NOT APPLICABLE FOR COMMERCIAL PURPOSE

*** END OF CERTIFICATE ***

SURIVAS
Jr. ENGINEER



SURIVAS
PREPARED BY



CHANDRA SEKAR.S
TECHNICAL MANAGER

Calibrated / Checked by

Authorised Signatory



Perfect Calibration Centre Pvt. Ltd.

No. 84, "Times Corner", Gengu Reddy Road, Egmore, Chennai - 600 008.
Ph : (044) 28192530, 28192930, 28193130 www.perfectcallab.in
Email : perfectcallab.info@gmail.com / info@perfectcallab.in



CC - 2207

NABL LAB FOR : MECHANICAL • THERMAL • ET • AIR / FLUID FLOW • FORCE • MASS • OPTICAL

CERTIFICATE OF CALIBRATION

ULR-CC220721000029485F
ISSUE DATE:10/07/2021

CERTIFICATE NO. : PC - 07- 21 / ATL / 2432 - 02

CAL DATE : 10/07/2021

DUE DATE : 09/07/2022

PAGE NO. : 1/1

DISCIPLINE: MECHANICAL

CUSTOMER : M/s. COSMOS CLINICS AND DIAGNOSTICS,
ADDRESS : ANDRAHALLI MAIN ROAD,
BANGALORE - 560091.
CUST REF : DC.NO: 8162 DATED: 08/07/2021
DEPT : AT LAB

MICRO PIPETTE

DATE OF RECEIPT : '10/07/2021
PHYSICAL CONDITION : SATISFACTORY

TEMPERATURE : 20.4°C

HUMIDITY : 51% RH

ATMOSPHERIC PRESSURE : 1008 hpa

Z FACTOR : 1.0029 $\mu\text{L}/\text{mg}$

PIPETTE DETAILS :

MAKE : -- **MODEL** : --
TYPE : VARIABLE **RANGE** : 20 - 200 μL
SL NO. : YN173AA0002516 **L.C.** : 1 μL
ID.NO : CCD/P20 - 2000/30

STANDARD USED	SL.NO/ID.NO	CERT. NO.	VALIDITY
ELECTRONIC BALANCE	1125510540 / PCCPL/EB - 02	PC-09-20 / ATL / 2219-02	20/09/2021

CALIBRATION PROCEDURE : WI-M-MP-44(L)

REFERENCE STANDARD : ISO 8655-6 & ISO/ TR 20461

CALIBRATION RESULTS

1. LOWER VOLUME

20 μL

NO. OF MEASUREMENT : 10

19.72	19.88	19.70	19.58	19.89	19.80	19.91	19.70	19.78	19.71
-------	-------	-------	-------	-------	-------	-------	-------	-------	-------

MEAN VOLUME: 19.76 ERROR LIMIT

ERROR LIMIT

SYSTEMATIC ERROR (e_s) μL : 0.07 ($\pm 0.2 \mu\text{L}$) RANDOM ERROR (Sr) μL : 0.11 ($\pm 0.1 \mu\text{L}$)

SYSTEMATIC ERROR (e_s) in % : 0.24 ($\pm 1.0 \%$) RANDOM ERROR (Cv) % : 0.53 ($\pm 0.5 \%$)

2. MIDDLE VOLUME

100 μL

NO. OF MEASUREMENT : 10

98.66	98.73	98.63	99.24	99.01	99.15	98.50	99.21	98.50	99.16
-------	-------	-------	-------	-------	-------	-------	-------	-------	-------

MEAN VOLUME: 98.88 ERROR LIMIT

ERROR LIMIT

SYSTEMATIC ERROR (e_s) μL : 1.12 ($\pm 0.8 \mu\text{L}$) RANDOM ERROR (Sr) μL : 0.30 ($\pm 0.3 \mu\text{L}$)

SYSTEMATIC ERROR (e_s) in % : 1.12 ($\pm 0.8 \%$) RANDOM ERROR (Cv) % : 0.31 ($\pm 0.3 \%$)

3. UPPER VOLUME

200 μL

NO. OF MEASUREMENT : 10

197.93	197.82	197.89	197.99	197.89	197.59	197.65	198.41	197.66	197.82
--------	--------	--------	--------	--------	--------	--------	--------	--------	--------

MEAN VOLUME: 197.87 ERROR LIMIT

ERROR LIMIT

SYSTEMATIC ERROR (e_s) μL : 2.13 ($\pm 1.6 \mu\text{L}$) RANDOM ERROR (Sr) μL : 0.23 ($\pm 0.6 \mu\text{L}$)


SYSTEMATIC ERROR (e_s) in % : 1.07 ($\pm 0.8 \%$) RANDOM ERROR (Cv) % : 0.12 ($\pm 0.3 \%$)

UNCERTAINTY OF MEASUREMENTS = $\pm 0.61 \mu\text{L}$

THE REPORTED EXPANDED MEASUREMENT UNCERTAINTY IS STATED AS THE COMBINED STANDARD MEASUREMENT UNCERTAINTY MULTIPLIED BY THE COVERAGE FACTOR $K=2$ SUCH THAT THE COVERAGE PROBABILITY CORRESPONDS TO APPROXIMATELY 95%.

NOTE : THIS CALIBRATION CERTIFICATE IS VALID FOR SCIENTIFIC & INDUSTRIAL PURPOSE ONLY AND NOT APPLICABLE FOR COMMERCIAL PURPOSE

*** END OF CERTIFICATE ***


Sr. ENGINEER





PREPARED BY




CHANDRA SEKARS

TECHNICAL MANAGER

Calibrated / Checked by

Authorised Signatory



Perfect Calibration Centre Pvt. Ltd.

No. 84, "Times Corner", Gengu Reddy Road, Egmore, Chennai - 600 008.
Ph : (044) 28192530, 28192930, 28193130 www.perfectcallab.in
Email : perfectcallab.info@gmail.com / info@perfectcallab.in



NABL LAB FOR : MECHANICAL • THERMAL • ET • AIR / FLUID FLOW • FORCE • MASS • OPTICAL

CERTIFICATE OF CALIBRATION

ULR-CC220721000029486F
ISSUE DATE:10/07/2021

CERTIFICATE NO. : PC - 07- 21 / ATL / 2432 - 03

CAL DATE : 10/07/2021

DUE DATE : 09/07/2022

PAGE NO. : 1/1

DISCIPLINE: MECHANICAL

CUSTOMER : M/s. COSMOS CLINICS AND DIAGNOSTICS,
ADDRESS : ANDRAHALLI MAIN ROAD,
BANGALORE - 560091.
CUST REF : DC.NO: 8162 DATED: 08/07/2021
DEPT : AT LAB

MICRO PIPETTE

DATE OF RECEIPT : '10/07/2021
PHYSICAL CONDITION : SATISFACTORY

TEMPERATURE : 20.4°C

HUMIDITY : 51% RH

ATMOSPHERIC PRESSURE : 1008 hpa

Z FACTOR : 1.0029 $\mu\text{L}/\text{mg}$

PIPETTE DETAILS :

MAKE : WAVE **MODEL** : --
TYPE : FIXED **RANGE** : 75 μL
SL NO. : 091701239
ID.NO : CCD/P75/ 28

STANDARD USED	SL.NO/ID.NO	CERT. NO.	VALIDITY
ELECTRONIC BALANCE	1125510540 / PCCPL/EB - 02	PC-09-20 / ATL / 2219-02	20/09/2021

CALIBRATION PROCEDURE : WI-M-MP-44(L)

REFERENCE STANDARD : ISO 8655-6 & ISO/ TR 20461

CALIBRATION RESULTS

1. FIXED VOLUME

75 μL

NO. OF MEASUREMENT : 10

74.84	74.84	75.09	74.94	74.87	74.74	74.89	74.07	74.90	74.95
-------	-------	-------	-------	-------	-------	-------	-------	-------	-------

MEAN VOLUME: 74.81 ERROR LIMIT

ERROR LIMIT

SYSTEMATIC ERROR (e_s) μL : 0.28 ($\pm 0.8 \mu\text{L}$) RANDOM ERROR (S_r) μL : 0.27 ($\pm 0.3 \mu\text{L}$)

SYSTEMATIC ERROR (e_s) in % : 0.19 ($\pm 0.8 \%$) RANDOM ERROR (C_v) % : 0.37 ($\pm 0.3 \%$)

UNCERTAINTY OF MEASUREMENTS = $\pm 0.27 \mu\text{L}$

THE REPORTED EXPANDED MEASUREMENT UNCERTAINTY IS STATED AS THE COMBINED STANDARD MEASUREMENT UNCERTAINTY MULTIPLIED BY THE COVERAGE FACTOR K=2 SUCH THAT THE COVERAGE PROBABILITY CORRESPONDS TO APPROXIMATELY 95%.

NOTE : THIS CALIBRATION CERTIFICATE IS VALID FOR SCIENTIFIC & INDUSTRIAL PURPOSE ONLY AND NOT APPLICABLE FOR COMMERCIAL PURPOSE

*** END OF CERTIFICATE ***

SURIYA.S
Jr. ENGINEER



SURIYA.S
PREPARED BY



CHANDRA SEKAR.S
TECHNICAL MANAGER

Calibrated / Checked by

Authorised Signatory



Perfect Calibration Centre Pvt. Ltd.

No. 84, "Times Corner", Gengu Reddy Road, Egmore, Chennai - 600 008.
 Ph : (044) 28192530, 28192930, 28193130 www.perfectcallab.in
 Email : perfectcallab.info@gmail.com / info@perfectcallab.in



CC - 2207

NABL LAB FOR : MECHANICAL • THERMAL • ET • AIR / FLUID FLOW • FORCE • MASS • OPTICAL

CERTIFICATE OF CALIBRATION

ULR-CC220721000029487P
 ISSUE DATE:10/07/2021

CERTIFICATE NO.: PC - 07 - 21 / ATL / 2432 - 04

CUSTOMER : M/s. COSMOS CLINICS AND DIAGNOSTICS,
ADDRESS : ANDRAHALI MAIN ROAD,
 BANGALORE - 560091.
CUST REF : DC.NO: 8162 DATED: 08/07/2021
DEPT : AT LAB

CAL DATE : 10/07/2021
DUE DATE : 09/07/2022
PAGE NO.: 1/1
DISCIPLINE: MECHANICAL

MICRO PIPETTE

DATE OF RECEIPT : 10/07/2021
PHYSICAL CONDITION : SATISFACTORY

TEMPERATURE : 20.4°C
HUMIDITY : 51% RH
ATMOSPHERIC PRESSURE : 1008 hpa
Z FACTOR : 1.0029 $\mu\text{L}/\text{mg}$

PIPETTE DETAILS :

MAKE : -- **MODEL** : --
TYPE : VARIABLE **RANGE** : 5 - 50 μL
SL NO. : NA440562 **L.C.** : 0.5 μL
ID.NO : CCD/P5 - 50/31

STANDARD USED	SL.NO/ID.NO	CERT. NO.	VALIDITY
ELECTRONIC BALANCE	1125510540 / PCCPL/EB - 02	PC-09-20 / ATL / 2219-02	20/09/2021

CALIBRATION PROCEDURE : WI-M-MP-44(L) **REFERENCE STANDARD** : ISO 8655-6 & ISO/ TR 20461

CALIBRATION RESULTS

1. LOWER VOLUME		10 μL	NO. OF MEASUREMENT : 10						
9.68	9.58	9.56	9.66	9.73	9.68	9.76	9.68	9.70	9.53

MEAN VOLUME: 9.65 ERROR LIMIT ERROR LIMIT
 SYSTEMATIC ERROR (e_s) μL : 0.10 ($\pm 0.2 \mu\text{L}$) RANDOM ERROR (S_r) μL : 0.08 ($\pm 0.1 \mu\text{L}$)
 SYSTEMATIC ERROR (e_s) in % : 0.35 ($\pm 1.0 \%$) RANDOM ERROR (C_v) % : 0.78 ($\pm 0.5 \%$)

2. MIDDLE VOLUME		25 μL	NO. OF MEASUREMENT : 10						
25.02	24.51	24.54	24.66	24.80	24.70	24.67	24.58	24.64	24.59

MEAN VOLUME: 24.67 ERROR LIMIT ERROR LIMIT
 SYSTEMATIC ERROR (e_s) μL : 0.33 ($\pm 0.5 \mu\text{L}$) RANDOM ERROR (S_r) μL : 0.15 ($\pm 0.2 \mu\text{L}$)
 SYSTEMATIC ERROR (e_s) in % : 1.31 ($\pm 1.0 \%$) RANDOM ERROR (C_v) % : 0.60 ($\pm 0.4 \%$)

3. UPPER VOLUME		50 μL	NO. OF MEASUREMENT : 10						
49.07	48.79	48.74	48.75	48.69	48.65	48.67	48.64	48.67	48.67

MEAN VOLUME: 48.73 ERROR LIMIT ERROR LIMIT
 SYSTEMATIC ERROR (e_s) μL : 1.27 ($\pm 0.5 \mu\text{L}$) RANDOM ERROR (S_r) μL : 0.13 ($\pm 0.2 \mu\text{L}$)
 SYSTEMATIC ERROR (e_s) in % : 2.53 ($\pm 1.0 \%$) RANDOM ERROR (C_v) % : 0.26 ($\pm 0.4 \%$)

UNCERTAINTY OF MEASUREMENTS = $\pm 0.27 \mu\text{L}$

THE REPORTED EXPANDED MEASUREMENT UNCERTAINTY IS STATED AS THE COMBINED STANDARD MEASUREMENT UNCERTAINTY MULTIPLIED BY THE COVERAGE FACTOR K=2 SUCH THAT THE COVERAGE PROBABILITY CORRESPONDS TO APPROXIMATELY 95%.

NOTE : THIS CALIBRATION CERTIFICATE IS VALID FOR SCIENTIFIC & INDUSTRIAL PURPOSE ONLY AND NOT APPLICABLE FOR COMMERCIAL PURPOSE

*** END OF CERTIFICATE ***

SURYA.S
 Sr. ENGINEER



SURYA.S
 PREPARED BY



CHANDRA SEKAR.S
 TECHNICAL MANAGER

Calibrated / Checked by

Authorised Signatory



Perfect Calibration Centre Pvt. Ltd.

No. 84, "Times Corner", Gengu Reddy Road, Egmore, Chennai - 600 008.
Ph : (044) 28192530, 28192930, 28193130 www.perfectcallab.in
Email : perfectcallab.info@gmail.com / info@perfectcallab.in



NABL LAB FOR : MECHANICAL • THERMAL • ET • AIR / FLUID FLOW • FORCE • MASS • OPTICAL

CERTIFICATE OF CALIBRATION

ULR-CC220721000029488P
ISSUE DATE:10/07/2021

CERTIFICATE NO. : PC - 07 - 21 / ATL / 2432 - 05
CAL DATE : 10/07/2021
DUE DATE : 09/07/2022
PAGE NO. : 1/1
DISCIPLINE: MECHANICAL

CUSTOMER : M/s. COSMOS CLINICS AND DIAGNOSTICS,
ADDRESS : ANDRAHALLI MAIN ROAD,
BANGALORE - 560091.
CUST REF : DC.NO: 8162 DATED: 08/07/2021
DEPT : AT LAB

MICRO PIPETTE

DATE OF RECEIPT : 10/07/2021
PHYSICAL CONDITION : SATISFACTORY

TEMPERATURE : 20.4°C
HUMIDITY : 51% RH
ATMOSPHERIC PRESSURE : 1008 hpa
Z FACTOR : 1.0029 $\mu\text{L}/\text{mg}$

PIPETTE DETAILS :

MAKE : THERMO SCIENTIFIC **MODEL** : FINNPIPETTE F3
TYPE : VARIABLE **RANGE** : 1 - 10 μL
SL NO. : PW01354 **L.C.** : 0.02 μL
ID.NO : CCD/P1 - 10/31

STANDARD USED	SL.NO/ID.NO	CERT. NO.	VALIDITY
ELECTRONIC BALANCE	1125510540 / PCCPL/EB - 02	PC-09-20 / ATL / 2219-02	20/09/2021

CALIBRATION PROCEDURE : WI-M-MP-44(L) **REFERENCE STANDARD** : ISO 8655-6 & ISO/ TR 20461

CALIBRATION RESULTS

1. UPPER VOLUME		10 μL	NO. OF MEASUREMENT : 10							
9.66	9.60	9.66	9.62	9.64	9.69	9.70	9.70	9.66	9.70	
MEAN VOLUME:		9.66	ERROR LIMIT				ERROR LIMIT			
SYSTEMATIC ERROR (e_s) μL :		0.00	($\pm 0.2 \mu\text{L}$)		RANDOM ERROR (S_r) μL :		0.04	($\pm 0.1 \mu\text{L}$)		
SYSTEMATIC ERROR (e_s) in % :		0.34	($\pm 1.0 \%$)		RANDOM ERROR (C_v) % :		0.37	($\pm 0.5 \%$)		

UNCERTAINTY OF MEASUREMENTS = $\pm 0.11 \mu\text{L}$

THE REPORTED EXPANDED MEASUREMENT UNCERTAINTY IS STATED AS THE COMBINED STANDARD MEASUREMENT UNCERTAINTY MULTIPLIED BY THE COVERAGE FACTOR K=2 SUCH THAT THE COVERAGE PROBABILITY CORRESPONDS TO APPROXIMATELY 95%.

NOTE : THIS CALIBRATION CERTIFICATE IS VALID FOR SCIENTIFIC & INDUSTRIAL PURPOSE ONLY AND NOT APPLICABLE FOR COMMERCIAL PURPOSE

*** END OF CERTIFICATE ***

SURIYA.S
Jr. ENGINEER



SURIYA.S
PREPARED BY



CHANDRA SEKAR.S
TECHNICAL MANAGER

Calibrated / Checked by

Authorised Signatory



Perfect Calibration Centre Pvt. Ltd.

No. 84, 1st Floor, "Times Corner", Gengu Reddy Road, Egmore, Chennai - 600 008.
Ph : (044) 28192530, 28192930, 28193130 www.perfectcallab.in
Email : perfectcallab.info@gmail.com / info@perfectcallab.in

CERTIFICATE OF CALIBRATION

CUSTOMER : M/s. COSMOS CLINICS AND DIAGNOSTICS,
ADDRESS : ANDRAHALLI MAIN ROAD,
BANGALORE - 560091.
CUST REF : DC.NO: 8162 DATED: 08/07/2021
DEPT : AT LAB

CERTIFICATE NO. : PC - 07 - 21 / ATL / 2432 - 06
CAL DATE : 10/07/2021
DUE DATE : 09/07/2022
PAGE NO. : 1/1
DISCIPLINE : MECHANICAL

MICRO PIPETTE

DATE OF RECEIPT : '10/07/2021
PHYSICAL CONDITION : SATISFACTORY

TEMPERATURE : 20.4°C

HUMIDITY : 51% RH

ATMOSPHERIC PRESSURE : 1008 hpa

Z FACTOR : 1.0029 $\mu\text{L}/\text{mg}$

Z FACTOR :

PIPETTE DETAILS :

PIPETTE DETAILS :

MAKE : THERMO SCIENTIFIC **MODEL** : FINNPIPETTE F3
TYPE : VARIABLE **RANGE** : 1 - 10 μL
SL NO. : PW01354 **L.C.** : 0.02 μL
ID.NO : CCD/P1 - 10/31

STANDARD USED	SL.NO/ID.NO	CERT. NO.	VALIDITY
ELECTRONIC BALANCE	1125510540 / PCCPL/EB - 02	PC-09-20 / ATL / 2219-02	20/09/2021

CALIBRATION PROCEDURE : WI-M-MP-44(L)

REFERENCE STANDARD : ISO 8655-6 & ISO/ TR 20461

CALIBRATION RESULTS

1. LOWER VOLUME

5 μL

NO. OF MEASUREMENT : 10

4.80	4.84	4.74	4.85	4.86	4.81	4.82	4.83	4.83	4.74
------	------	------	------	------	------	------	------	------	------

MEAN VOLUME: 4.82

ERROR LIMIT

ERROR LIMIT

SYSTEMATIC ERROR (e_s) μL : 0.07

($\pm 0.125 \mu\text{L}$)

RANDOM ERROR (S_r) μL : 0.04

($\pm 0.075 \mu\text{L}$)

SYSTEMATIC ERROR (e_s) in % : 0.18

($\pm 2.5 \%$)

RANDOM ERROR (C_v) % : 0.87

($\pm 1.5 \%$)

2. MIDDLE VOLUME

8 μL

NO. OF MEASUREMENT : 10

7.76	7.78	7.70	7.65	7.87	7.62	7.70	7.65	7.71	7.76
------	------	------	------	------	------	------	------	------	------

MEAN VOLUME: 7.72

ERROR LIMIT

ERROR LIMIT

SYSTEMATIC ERROR (e_s) μL : 0.28

($\pm 0.12 \mu\text{L}$)

RANDOM ERROR (S_r) μL : 0.07

($\pm 0.08 \mu\text{L}$)

SYSTEMATIC ERROR (e_s) in % : 3.47

($\pm 1.2 \%$)

RANDOM ERROR (C_v) % : 0.97

($\pm 0.8 \%$)

UNCERTAINTY OF MEASUREMENTS = $\pm 0.11 \mu\text{L}$

THE REPORTED EXPANDED MEASUREMENT UNCERTAINTY IS STATED AS THE COMBINED STANDARD MEASUREMENT UNCERTAINTY MULTIPLIED BY THE COVERAGE FACTOR $K=2$ SUCH THAT THE COVERAGE PROBABILITY CORRESPONDS TO APPROXIMATELY 95%.

NOTE : THIS CALIBRATION CERTIFICATE IS VALID FOR SCIENTIFIC & INDUSTRIAL PURPOSE ONLY AND NOT APPLICABLE FOR COMMERCIAL PURPOSE

*** END OF CERTIFICATE ***

SURIYA S
Jr. ENGINEER

SURIYA S
PREPARED BY



CHANDRA SEKAR S
TECHNICAL MANAGER

Calibrated / Checked by

Authorised Signatory



Perfect Calibration Centre Pvt. Ltd.

No. 84, 1st Floor, "Times Corner", Gengu Reddy Road, Egmore, Chennai - 600 008.
Ph : (044) 28192530, 28192930, 28193130 www.perfectcallab.in
Email : perfectcallab.info@gmail.com / info@perfectcallab.in

CERTIFICATE OF CALIBRATION

CERTIFICATE NO. : PC - 07 - 21 / ATL / 2432 - 07

CUSTOMER : M/s. COSMOS CLINICS AND DIAGNOSTICS,
ADDRESS : ANDRAHALLI MAIN ROAD,
BANGALORE - 560091.
CUST REF : DC.NO: 8162 DATED: 08/07/2021
DEPT : AT LAB

CAL DATE : 10/07/2021
DUE DATE : 09/07/2022
PAGE NO : 1/1
DISCIPLINE : MECHANICAL

MICRO PIPETTE

DATE OF RECEIPT : '10/07/2021
PHYSICAL CONDITION : SATISFACTORY

TEMPERATURE : 20.4°C
HUMIDITY : 51% RH
ATMOSPHERIC PRESSURE : 1008 hpa
Z FACTOR : 1.0029 $\mu\text{L}/\text{mg}$

PIPETTE DETAILS :

MAKE : -- **MODEL** : --
TYPE : VARIABLE **RANGE** : 5 - 50 μL
SL NO. : NA440562 **L.C.** : 0.5 μL
ID.NO : CCD/P5 - 50/31

STANDARD USED	SL.NO/ID.NO	CERT. NO.	VALIDITY
ELECTRONIC BALANCE	1125510540 / PCCPL/EB - 02	PC-09-20 / ATL / 2219-02	20/09/2021

CALIBRATION PROCEDURE : WI-M-MP-44(L) **REFERENCE STANDARD** : ISO 8655-6 & ISO/ TR 20461

CALIBRATION RESULTS

1. LOWER VOLUME

5 μL **NO. OF MEASUREMENT** : 10

4.74	4.70	4.76	4.74	4.68	4.69	4.70	4.64	4.56	4.66
------	------	------	------	------	------	------	------	------	------

MEAN VOLUME: 4.69 **ERROR LIMIT** **ERROR LIMIT**

SYSTEMATIC ERROR (e_s) μL : 0.07 ($\pm 0.125 \mu\text{L}$) **RANDOM ERROR (S_r) μL** : 0.06 ($\pm 0.075 \mu\text{L}$)

SYSTEMATIC ERROR (e_s) in % : 0.31 ($\pm 2.5 \%$) **RANDOM ERROR (C_v) %** : 1.24 ($\pm 1.5 \%$)

UNCERTAINTY OF MEASUREMENTS = $\pm 0.11 \mu\text{L}$

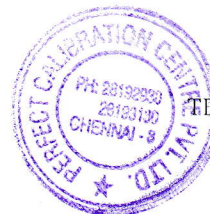
THE REPORTED EXPANDED MEASUREMENT UNCERTAINTY IS STATED AS THE COMBINED STANDARD MEASUREMENT UNCERTAINTY MULTIPLIED BY THE COVERAGE FACTOR K=2 SUCH THAT THE COVERAGE PROBABILITY CORRESPONDS TO APPROXIMATELY 95%.

NOTE : THIS CALIBRATION CERTIFICATE IS VALID FOR SCIENTIFIC & INDUSTRIAL PURPOSE ONLY AND NOT APPLICABLE FOR COMMERCIAL PURPOSE

*** END OF CERTIFICATE ***

SURUYA S
Jr. ENGINEER

SURUYA S
PREPARED BY



CHANDRA SEKAR S
TECHNICAL MANAGER

Calibrated / Checked by

Authorised Signatory



Perfect Calibration Centre Pvt. Ltd.

No.40, 71st Cross, 5th Block, Rajaji Nagar, Bangalore - 560 010.
 Ph : 080-2315 5522, 2315 5577, 2315 5588, 99726 97733
 E-mail : infobl@perfectcallab.in / perfectblr@yahoo.in
 Website : www.perfectcallab.in



NABL LAB FOR : MECHANICAL • THERMAL • ET • AIR / FLUID FLOW • FORCE • MASS • OPTICAL

CERTIFICATE OF CALIBRATION

ULR-CC224721000010987F
 ISSUE DATE:10/07/2021

CUSTOMER : M/s. COSMOS CLINIC & DIAGNOSTICS,
 ANDRAHALLI, MAIN ROAD, BANGALORE - 560 091.

REPORT NO. : PC-07-21/ATL/1414-01
CAL DATE : 09/07/2021
DUE DATE : 08/07/2022
PAGE NO. : 1/1

CUST REF : SRF NO. : 1414 DATED : 08/07/2021
DEPT. : AT LAB

DATE OF RECEIPT : 08/07/2021
 PHYSICAL CONDITION ON RECEIPT : SATISFACTORY

DETAILS OF DEVICE UNDER CALIBRATION

DIGITAL HYGRO THERMOMETER

MAKE	HTC	MODEL	HTC-1
SL. NO.	----	RANGE	-50 to 70 °C / 10 to 99 %RH
ID NO.	CCD/RM TEAM/14	L. C.	0.1°C / 1% RH

ENVIRONMENTAL CONDITIONS:

TEMPERATURE : 25 ± 4°C **HUMIDITY** : 30 to 75%RH

NO.	STANDARD USED	ID.NO./SL.NO.	CERT.NO	VALIDITY
1	TEMP.& HUMIDITY METER WITH SENSOR	PCCPL/TH/HM/06	30030089	29/09/2021
2	SSPRT WITH INDICATOR	001580/ 17C121046	TL/020/869.1.1	20/10/2021

The standards used are traceable to National / International Standards.

Cal Procedure No: PCCPL/CAL/TH/001,009

THERMAL CALIBRATION

COMPARISON METHOD

CALIBRATION RESULTS FOR TEMPERATURE @ 50% RH

SI No.	STD Reading(°C)	DUC Reading(°C)	Observed Deviation(°C)	Measurement Uncertainty (±) °C
1	-30.158	-29.5	0.658	0.14
2	0.056	0.3	0.244	0.14
3	10.058	10.2	0.142	0.14
4	20.152	20.1	-0.052	0.14
5	30.124	29.9	-0.224	0.14
6	40.025	39.6	-0.425	0.14
7	50.069	49.5	-0.569	0.14

CALIBRATION RESULTS FOR HUMIDITY @ 25°C

SI No.	STD Reading(%RH)	DUC Reading(%RH)	Observed Deviation(%RH)	Measurement Uncertainty (±)%RH
1	15.34	15	-0.34	1.02
2	30.68	30	-0.68	1.02
3	45.97	45	-0.97	1.02
4	60.22	59	-1.22	1.02
5	75.68	74	-1.68	1.02
6	94.86	93	-1.86	1.02

THE REPORTED EXPANDED UNCERTAINTY OF MEASUREMENT IS STATED AS THE STANDARD UNCERTAINTY OF MEASUREMENT MULTIPLIED BY THE COVERAGE FACTOR k SUCH THAT THE COVERAGE PROBABILITY CORRESPONDS TO APPROXIMATELY 95% AND k = 2

Lalitha G
 LALITHA. G
 CALIBRATION ENGINEER
 CALIBRATED BY



K. Lavanya
 K. LAVANYA
 CALIBRATION ENGINEER
 CHECKED BY



Gowtham
 GOWTHAM
 SENIOR CALIBRATION ENGINEER
 AUTHORISED SIGNATORY



Perfect Calibration Centre Pvt. Ltd.

No.40, 71st Cross, 5th Block, Rajaji Nagar, Bangalore - 560 010.
 Ph : 080-2315 5522, 2315 5577, 2315 5588, 99726 97733
 E-mail : infobl@perfectcallab.in / perfectblr@yahoo.in
 Website : www.perfectcallab.in



NABL LAB FOR : MECHANICAL • THERMAL • ET • AIR / FLUID FLOW • FORCE • MASS • OPTICAL

CERTIFICATE OF CALIBRATION

ULR-CC224721000010988F
 ISSUE DATE:10/07/2021

REPORT NO. : PC-07-21/ATL/1414-02
 CAL DATE : 10/07/2021
 DUE DATE : 09/07/2022
 PAGE NO. : 1/1

CUSTOMER : M/s. COSMOS CLINIC & DIAGNOSTICS,
 ANDRAHALLI, MAIN ROAD, BANGALORE - 560 091.

CUST REF : SRF NO. : 1414 DATED : 08/07/2021
 DEPT : AT LAB

DATE OF RECEIPT : 08/07/2021
 PHYSICAL CONDITION ON RECEIPT : SATISFACTORY

DETAILS OF DEVICE UNDER CALIBRATION

DIGITAL THERMOMETER

MAKE	MULTI THERMOMETER	RANGE	-50°C to 300°C
SL NO.	---	L.C	0.1°C
MODEL NO.	ST-9283B	ID NO.	CCD/THM/01

ENVIRONMENTAL CONDITIONS:

TEMPERATURE : 25 ± 4° C
 HUMIDITY : 30 to 75 % RH

NO.	STANDARD USED	ID.NO./SL.NO.	CERT.NO	VALIDITY
1	SSPRT WITH INDICATOR	001580/ 17C121046	TL/020/869.1.1	20/10/2021

The standards used are traceable to National / International Standards.

CALIBRATION PROCEDURE : PCCPL/CAL/TH/001,006

REF STANDARD : DKD-R-5-1

THERMAL CALIBRATION

CALIBRATION RESULTS

SL. NO.	TEST METER READING	STD. METER READING	OBSERVED DEVIATION	UNCERTAINTY in ±°C
1	-49.3	-50.058	0.758	0.11
2	-24.6	-25.125	0.525	0.11
3	0.4	0.069	0.331	0.08
4	50.2	50.124	0.076	0.08
5	99.9	100.152	-0.252	0.08
6	149.7	150.059	-0.359	0.08
7	199.5	200.069	-0.569	0.16
8	299.4	300.024	-0.624	0.16

THE REPORTED EXPANDED UNCERTAINTY OF MEASUREMENT IS STATED AS THE STANDARD UNCERTAINTY OF MEASUREMENT MULTIPLIED BY THE COVERAGE FACTOR k SUCH THAT THE COVERAGE PROBABILITY CORRESPONDS TO APPROXIMATELY 95% AND k=2

Lalitha
 LALITHA. G

CALIBRATION ENGINEER
 CALIBRATED BY



K Lavanya
 K. LAVANYA

CALIBRATION ENGINEER
 CHECKED BY



Gowtham
 GOWTHAM

SENIOR CALIBRATION ENGINEER
 AUTHORISED SIGNATORY



Perfect Calibration Centre Pvt. Ltd.

No.40, 71st Cross, 5th Block, Rajaji Nagar, Bangalore - 560 010.
 Ph : 080-2315 5522, 2315 5577, 2315 5588, 99726 97733
 E-mail : infobl@perfectcallab.in / perfectblr@yahoo.in
 Website : www.perfectcallab.in



CC - 2247

NABL LAB FOR : MECHANICAL • THERMAL • ET • AIR / FLUID FLOW • FORCE • MASS • OPTICAL

CERTIFICATE OF CALIBRATION

ULR-CC224721000010989F
 ISSUE DATE:10/07/2021

REPORT NO. : PC-07-21/ATL/1414-03

CUSTOMER : M/s. COSMOS CLINIC & DIAGNOSTICS,
 ANDRAHALLI, MAIN ROAD, BANGALORE - 560 091.

CAL DATE : 10/07/2021

DUE DATE : 09/07/2022

PAGE NO. : 1/1

CUST REF : SRF NO. : 1414 DATED : 08/07/2021

DEPT : AT LAB

DATE OF RECEIPT : 08/07/2021

PHYSICAL CONDITION ON RECEIPT : SATISFACTORY

DETAILS OF DEVICE UNDER CALIBRATION

DIGITAL THERMOMETER

MAKE	MULTI THERMOMETER	RANGE	-50°C to 300°C
SL NO.	---	L.C	0.1°C
MODEL NO.	ST-9283B	ID NO.	CCD/THM/02

ENVIRONMENTAL CONDITIONS:

TEMPERATURE : 25 ± 4° C
 HUMIDITY : 30 to 75 % RH

NO.	STANDARD USED	ID.NO./SL.NO.	CERT.NO	VALIDITY
1	SSPRT WITH INDICATOR	001580/ 17C121046	TL/020/869.1.1	20/10/2021

The standards used are traceable to National / International Standards.

CALIBRATION PROCEDURE : PCCPL/CAL/TH/001,006

REF STANDARD : DKD-R-5-1

THERMAL CALIBRATION

CALIBRATION RESULTS

SL. NO.	TEST METER READING	STD. METER READING	OBSERVED DEVIATION	UNCERTAINTY in ±°C
1	-49.5	-50.124	0.624	0.11
2	-24.6	-25.069	0.469	0.11
3	0.2	0.014	0.186	0.08
4	50.2	50.112	0.088	0.08
5	99.9	100.236	-0.336	0.08
6	149.7	150.085	-0.385	0.08
7	199.6	200.102	-0.502	0.16
8	299.2	299.952	-0.752	0.16

THE REPORTED EXPANDED UNCERTAINTY OF MEASUREMENT IS STATED AS THE STANDARD UNCERTAINTY OF MEASUREMENT MULTIPLIED BY THE COVERAGE FACTOR k SUCH THAT THE COVERAGE PROBABILITY CORRESPONDS TO APPROXIMATELY 95% AND k = 2

Lalitha G
 LALITHA G

CALIBRATION ENGINEER
 CALIBRATED BY

K. Lavanya
 K. LAVANYA

CALIBRATION ENGINEER
 CHECKED BY



Gowtham
 GOWTHAM

SENIOR CALIBRATION ENGINEER
 AUTHORISED SIGNATORY





Perfect Calibration Centre Pvt. Ltd.

No.40, 71st Cross, 5th Block, Rajaji Nagar, Bangalore - 560 010.
 Ph : 080-2315 5522, 2315 5577, 2315 5588, 99726 97733
 E-mail : infobl@perfectcallab.in / perfectblr@yahoo.in
 Website : www.perfectcallab.in



CC - 2247

NABL LAB FOR : MECHANICAL • THERMAL • ET • AIR / FLUID FLOW • FORCE • MASS • OPTICAL

CERTIFICATE OF CALIBRATION

ULR-CC224721000010990F
 ISSUE DATE:10/07/2021

CUSTOMER : M/s. COSMOS CLINIC & DIAGNOSTICS,
 ANDRAHALLI, MAIN ROAD, BANGALORE - 560 091.

REPORT NO. : PC-07-21/ATL/1414-04
CAL DATE : 10/07/2021
DUE DATE : 09/07/2022
PAGE NO. : 1/1

CUST REF : SRF NO. : 1414 DATED : 08/07/2021
DEPT : AT LAB

DATE OF RECEIPT : 08/07/2021
 PHYSICAL CONDITION ON RECEIPT : SATISFACTORY

DETAILS OF DEVICE UNDER CALIBRATION

DIGITAL THERMOMETER

MAKE	MULTI THERMOMETER	RANGE	-50°C to 300°C
SL NO.	----	L.C	0.1°C
MODEL NO.	ST-9283B	ID NO.	CCD/THM/03

ENVIRONMENTAL CONDITIONS:

TEMPERATURE : 25 ± 4° C
 HUMIDITY : 30 to 75 % RH

NO.	STANDARD USED	ID.NO./SL.NO.	CERT.NO	VALIDITY
1	SSPRT WITH INDICATOR	001580/ 17C121046	TL/020/869.1.1	20/10/2021

The standards used are traceable to National / International Standards.

CALIBRATION PROCEDURE : PCCPL/CAL/TH/001,006

REF STANDARD : DKD-R-5-1

THERMAL CALIBRATION

CALIBRATION RESULTS

SL. NO.	TEST METER READING	STD. METER READING	OBSERVED DEVIATION	UNCERTAINTY in ±°C
1	-49.6	-50.142	0.542	0.11
2	-24.7	-25.085	0.385	0.11
3	0.2	0.014	0.186	0.08
4	50.2	50.066	0.134	0.08
5	99.9	100.125	-0.225	0.08
6	149.7	150.066	-0.366	0.08
7	199.6	200.120	-0.520	0.16
8	299.4	300.058	-0.658	0.16

THE REPORTED EXPANDED UNCERTAINTY OF MEASUREMENT IS STATED AS THE STANDARD UNCERTAINTY OF MEASUREMENT MULTIPLIED BY THE COVERAGE FACTOR k SUCH THAT THE COVERAGE PROBABILITY CORRESPONDS TO APPROXIMATELY 95% AND k = 2

Lalitha G
 LALITHA G
 CALIBRATION ENGINEER
 CALIBRATED BY



K. Lavanya
 K. LAVANYA
 CALIBRATION ENGINEER
 CHECKED BY



Gowtham
 GOWTHAM
 SENIOR CALIBRATION ENGINEER
 AUTHORISED SIGNATORY



Perfect Calibration Centre Pvt. Ltd.

No.40, 71st Cross, 5th Block, Rajaji Nagar, Bangalore - 560 010.
 Ph : 080-2315 5522, 2315 5577, 2315 5588, 99726 97733
 E-mail : infoblrc@perfectcallab.in / perfectblr@yahoo.in
 Website : www.perfectcallab.in



NABL LAB FOR : MECHANICAL • THERMAL • ET • AIR / FLUID FLOW • FORCE • MASS • OPTICAL

CERTIFICATE OF CALIBRATION

ULR-CC224721000010991F
 ISSUE DATE:10/07/2021

CUSTOMER : M/s. COSMOS CLINIC & DIAGNOSTICS, ANDRAHALLI, MAIN ROAD, BANGALORE - 560 091.	REPORT NO. : PC-07-21/ATL/1414-05 CAL DATE : 10/07/2021 DUE DATE : 09/07/2022 PAGE NO. : 1/1
CUST REF : SRF NO. : 1414 DATED : 08/07/2021 DEPT : AT LAB	

DATE OF RECEIPT : 08/07/2021
 PHYSICAL CONDITION ON RECEIPT : SATISFACTORY

DETAILS OF DEVICE UNDER CALIBRATION

DIGITAL THERMOMETER

MAKE	MULTI THERMOMETER	RANGE	-50°C to 300°C
SL NO.	---	L.C	0.1°C
MODEL NO.	ST-9283B	ID NO.	CCD/THM/04

ENVIRONMENTAL CONDITIONS:	
TEMPERATURE : 25 ± 4° C	
HUMIDITY : 30 to 75 % RH	

NO.	STANDARD USED	ID.NO./SL.NO.	CERT.NO	VALIDITY
1	SSPRT WITH INDICATOR	001580/ 17C121046	TL/020/869.1.1	20/10/2021

The standards used are traceable to National / International Standards.

CALIBRATION PROCEDURE : PCCPL/CAL/TH/001,006

REF STANDARD : DKD-R-5-1

THERMAL CALIBRATION

CALIBRATION RESULTS

SL. NO.	TEST METER READING	STD. METER READING	OBSERVED DEVIATION	UNCERTAINTY in ±°C
1	-49.5	-50.051	0.551	0.11
2	-24.7	-25.124	0.424	0.11
3	0.4	0.125	0.275	0.08
4	50.3	50.124	0.176	0.08
5	99.9	100.069	-0.169	0.08
6	149.7	150.087	-0.387	0.08
7	199.6	200.116	-0.516	0.16
8	299.4	300.052	-0.652	0.16

THE REPORTED EXPANDED UNCERTAINTY OF MEASUREMENT IS STATED AS THE STANDARD UNCERTAINTY OF MEASUREMENT MULTIPLIED BY THE COVERAGE FACTOR k SUCH THAT THE COVERAGE PROBABILITY CORRESPONDS TO APPROXIMATELY 95% AND k = 2

Lalitha
 LALITHA.G
 CALIBRATION ENGINEER
 CALIBRATED BY



Lavanya
 K. LAVANYA
 CALIBRATION ENGINEER
 CHECKED BY



Gowtham
 GOWTHAM
 SENIOR CALIBRATION ENGINEER
 AUTHORISED SIGNATORY



Perfect Calibration Centre Pvt. Ltd.

No.40, 71st Cross, 5th Block, Rajaji Nagar, Bangalore - 560 010.
 Ph : 080-2315 5522, 2315 5577, 2315 5588, 99726 97733
 E-mail : infoblrc@perfectcallab.in / perfectblr@yahoo.in
 Website : www.perfectcallab.in



NABL LAB FOR : MECHANICAL • THERMAL • ET • AIR / FLUID FLOW • FORCE • MASS • OPTICAL

CERTIFICATE OF CALIBRATION

ULR-CC224721000010992F
 ISSUE DATE:10/07/2021

REPORT NO. : PC-07-21/ATL/1414-06
 CAL DATE : 10/07/2021
 DUE DATE : 09/07/2022
 PAGE NO. : 1/1

CUSTOMER : M/s. COSMOS CLINIC & DIAGNOSTICS,
 ANDRAHALLI, MAIN ROAD, BANGALORE - 560 091.

CUST REF : SRF NO. : 1414 DATED : 08/07/2021
 DEPT : AT LAB

DATE OF RECEIPT : 08/07/2021
 PHYSICAL CONDITION ON RECEIPT : SATISFACTORY

DETAILS OF DEVICE UNDER CALIBRATION

DIGITAL THERMOMETER

MAKE	----	RANGE	-50°C to 110°C
SL NO.	----	L.C	0.1°C
MODEL NO.	----	ID NO.	CCD/THM/05

ENVIRONMENTAL CONDITIONS:

TEMPERATURE : 25 ± 4° C
 HUMIDITY : 30 to 75 % RH

NO.	STANDARD USED	ID.NO./SL.NO.	CERT.NO	VALIDITY
1	SSPRT WITH INDICATOR	001580/ 17C121046	TL/020/869.1.1	20/10/2021

The standards used are traceable to National / International Standards.

CALIBRATION PROCEDURE : PCCPL/CAL/TH/001,006

REF STANDARD : DKD-R-5-1

THERMAL CALIBRATION

CALIBRATION RESULTS

SL. NO.	TEST METER READING	STD. METER READING	OBSERVED DEVIATION	UNCERTAINTY in ±°C
1	-49.7	-50.026	0.326	0.11
2	-24.8	-25.014	0.214	0.11
3	0.2	0.068	0.132	0.08
4	40.0	40.123	-0.123	0.08
5	79.9	80.058	-0.158	0.08
6	99.9	100.069	-0.169	0.08
7	109.7	110.057	-0.357	0.16

THE REPORTED EXPANDED UNCERTAINTY OF MEASUREMENT IS STATED AS THE STANDARD UNCERTAINTY OF MEASUREMENT MULTIPLIED BY THE COVERAGE FACTOR k SUCH THAT THE COVERAGE PROBABILITY CORRESPONDS TO APPROXIMATELY 95% AND k = 2

Lalitha G
 LALITHA. G

CALIBRATION ENGINEER
 CALIBRATED BY

K. Lavanya
 K. LAVANYA

CALIBRATION ENGINEER
 CHECKED BY

Gowtham
 GOWTHAM

SENIOR CALIBRATION ENGINEER
 AUTHORISED SIGNATORY





Perfect Calibration Centre Pvt. Ltd.

No.40, 71st Cross, 5th Block, Rajaji Nagar, Bangalore - 560 010.
 Ph : 080-2315 5522, 2315 5577, 2315 5588, 99726 97733
 E-mail : infoblrc@perfectcallab.in / perfectblr@yahoo.in
 Website : www.perfectcallab.in



CC - 2247

NABL LAB FOR : MECHANICAL • THERMAL • ET • AIR / FLUID FLOW • FORCE • MASS • OPTICAL

CERTIFICATE OF CALIBRATION

ULR-CC224721000010993F
 ISSUE DATE:10/07/2021

CUSTOMER : M/s. COSMOS CLINIC & DIAGNOSTICS, ANDRAHALLI, MAIN ROAD, BANGALORE - 560 091.	REPORT NO. : PC-07-21/ATL/1414-07 CAL DATE : 10/07/2021 DUE DATE : 09/07/2022 PAGE NO. : 1/1
CUST REF : SRF NO. : 1414 DATED : 08/07/2021 DEPT : AT LAB	

DATE OF RECEIPT : 08/07/2021
 PHYSICAL CONDITION ON RECEIPT : SATISFACTORY

DETAILS OF DEVICE UNDER CALIBRATION

DIGITAL THERMOMETER

MAKE	----	RANGE	-50°C to 110°C
SL NO.	----	L.C	0.1°C
MODEL NO.	----	ID NO.	CCD/THM/06

ENVIRONMENTAL CONDITIONS:

TEMPERATURE : 25 ± 4° C
HUMIDITY : 30 to 75 % RH

NO.	STANDARD USED	ID.NO./SL.NO.	CERT.NO	VALIDITY
1	SSPRT WITH INDICATOR	001580/ 17C121046	TL/020/869.1.1	20/10/2021

The standards used are traceable to National / International Standards.

CALIBRATION PROCEDURE : PCCPL/CAL/TH/001,006

REF STANDARD : DKD-R-5-1

THERMAL CALIBRATION

CALIBRATION RESULTS

SL. NO.	TEST METER READING	STD. METER READING	OBSERVED DEVIATION	UNCERTAINTY in ±°C
1	-49.5	-50.021	0.521	0.11
2	-24.6	-25.025	0.425	0.11
3	0.3	0.066	0.234	0.08
4	40.1	40.015	0.085	0.08
5	79.9	80.051	-0.151	0.08
6	99.8	100.069	-0.269	0.08
7	109.8	110.125	-0.325	0.16

THE REPORTED EXPANDED UNCERTAINTY OF MEASUREMENT IS STATED AS THE STANDARD UNCERTAINTY OF MEASUREMENT MULTIPLIED BY THE COVERAGE FACTOR k SUCH THAT THE COVERAGE PROBABILITY CORRESPONDS TO APPROXIMATELY 95% AND k = 2

Lalitha
LALITHA.G

CALIBRATION ENGINEER
 CALIBRATED BY



Javanya
K.LAVANYA

CALIBRATION ENGINEER
 CHECKED BY



Gowtham
GOWTHAM

SENIOR CALIBRATION ENGINEER
 AUTHORISED SIGNATORY