

No.40, 71st Cross, 5th Block, Rajaji Nagar, Bangalore - 560 010. Ph: 080-2315 5522, 2315 5577, 2315 5588, 99726 97733 E-mail: infoblr@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

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

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: $25 \pm 4^{\circ}$ C

: 30 to 75 % RH HUMIDITY

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 M READ		STD. METER READING		OBSERVED DEVIATION		UNCERTAINITY 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	00	50.124	00	0.176	°C	0.08
5	99.9	°C	100.069	°C	-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 & SUCH THAT THE COVERAGE PROBABILITY

CORRESPONDS TO APPROXIMATELY 95% AND k = 2

CALIBRATION ENGINEER CALIBRATED BY

LAVANYA CALIBRATION ENGINEER **CHECKED BY**

23155577 23155588

GOWTH SENIOR CALIBRATION ENGINEER AUTHORISED SIGNATORY

MITTED. THIS REPORT SHALL NOT BE REPRODUCED EXCEPT IN FULL WITHOUT THE WRITTEN APPROVAL OF THIS REPORT RELATES ONLY TO THE M/s. PERFECT CALIBRATION CENTRE PVT. M/s. PERFECT CALIBRATION CENTRE PYT. STANDARDS USED ARE TRACEABLE TO NATIONAL /INTERNATIONAL STANDARDS AS PER ISO / IEC 17025 - 2017.

THE RESULTS REPORTED ARE VALID AT THE TIME AND UNDER STATED CONDITIONS OF MEASUREMENTS. THE CALIBRATION INTERVAL IS TO BE DECIDED BY THE "USER" QF/7.8/01



Perfect Calibration Centre Pvt. Ltd.





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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.	4 THE VET	L.C	0.1°C
MODEL NO.	ST-9283B	ID NO.	CCD/THM/03

ENVIRONMENTAL CONDITIONS:

TEMPERATURE: $25 \pm 4^{\circ}$ 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 MI		STD. METER READING		OBSERVED DEVIATION		UNCERTAINITY 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	00	0.08
5	99.9	°C	100.125	°C	-0.225	°C	0.08
6	149.7		150.066		-0.366	1	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 & SUCH THAT THE COVERAGE PROBABILITY

CORRESPONDS TO APPROXIMATELY 95% AND k = 2

CALIBRATION ENGINEER
CALIBRATED BY

CLASTINAS G

CALIBRATION ENGINEER
CHECKED BY

BANGALORE 23155577 SENIOR CALIBRATION ENGINEER 23155588 SAUTHORISED SIGNATORY

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CERTIFICATE OF CALIBRATION

ULR-CC224721000010989F ISSUE DATE:10/07/2021

CUSTOMER: M/s. COSMOS CLINIC & DIAGNOSTICS,

ANDRAHALLI, MAIN ROAD, BANGALORE - 560 091.

REPORT NO.: PC-07-21/ATL/1414-03 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.	The P	L.C	0.1°C		
MODEL NO.	ST-9283B	ID NO.	CCD/THM/02		

ENVIRONMENTAL CONDITIONS:

TEMPERATURE: $25 \pm 4^{\circ}$ 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 M READ		STD. METER READING		OBSERVED DEVIATION		UNCERTAINITY 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	°C	50.112	°C	0.088	°C	0.08
5	99.9		100.236	-(-0.336		0.08
6	149.7		150.085		-0.385		0.08
7	199.6	1	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 & SUCH THAT THE COVERAGE PROBABILITY

CORRESPONDS TO APPROXIMATELY 95% AND k=2

CALIBRATION ENGINEER

LALITHA.G.

CALIBRATED BY

QF/7.8/01

THIS REPORT RELATES ONLY TO THE

K. LAVANYA **CALIBRATION ENGINEER CHECKED BY**

GOWT SENIOR CALIBRATION ENGINEER AUTHORISED SIGNATORY

M/s. PERFECT CALIBRATION CENTRE PVT.
THE RESULTS REPORTED ARE VALID AT THE T

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TO UNDER STATED CONDITIONS OF MEASUREMENTS. THE CALIBRATION INTERVAL IS TO BE DECIDED BY THE "USER"







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ULR-CC224721000010988F ISSUE DATE:10/07/2021

CERTIFICATE OF CALIBRATION

REPORT NO.: PC-07-21/ATL/1414-02

CAL DATE: 10/07/2021

DUE DATE: 09/07/2022

PAGE NO.: 1/1

ANDRAHALLI, MAIN ROAD, BANGALORE - 560 091.

CUSTOMER: M/s. COSMOS CLINIC & DIAGNOSTICS,

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: $25 \pm 4^{\circ}$ C : 30 to 75 % RH HUMIDITY

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 M READ		STD. ME READI	The second second	OBSERV DEVIAT	The state of the state of	UNCERTAINITY 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	°C	50.124	°C	0.076	°C	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

CALIBRATION ENGINEER CALIBRATED BY

CALIBRATION ENGINEER **CHECKED BY**

SENIOR CALIBRATION ENGINEER **AUTHORISED SIGNATORY**

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CAL DATE: 09/07/2021

DUE DATE: 08/07/2022 PAGE NO. : 1/1

REPORT NO.: PC-07-21/ATL/1414-01

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.

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

DEPT. AT LAB

DATE OF RECEIPT: 08/07/2021

PHYSICAL CONDITION ON RECEIPT: SATISFACTORY

DETAILS OF DEVICE UNDER CALIBRATION

DIGITAL HYGR	O THERMOMETER 5		
MAKE	HTC	MODEL	HTC-1
SL. NO.		RANGE	-50 to 70 °C / 10 to 99 %RH
	CCD/RM TEAM/14	L. C.	0.1°C / 1% RH

ENVIRONMENTAL CONDITIONS:

HUMIDITY: 30 to 75%RH **TEMPERATURE**: $25 \pm 4^{\circ}$ C

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	CTD.	2 Contact (1977)	Observed	Measurement
No.	STD Reading(°C)	DUC Reading(°C)	Deviation(°C)	Uncertainty (±) °C
1	-30.158	-29.5	0.658	0.14
1	0.056	0.3	0.244	0.14
2		10.2	0.142	0.14
3	10.058	20.1	-0.052	0.14
4	20.152	29.9	-0.224	0.14
5	30.124		-0.425	0.14
6	40.025	39.6	-0.569	0.14
7	50.069	49.5	-0.309	0.1.1

CALIBRATION RESULTS FOR HUMIDITY @ 25°C

SI	STD	DUC Reading(%RH)	Observed	Measurement Uncertainty (±)%RH
No.	Reading(%RH)	DOC Reading(70K11)	Deviation(%RH)	` '
1	15.34	15	-0.34	1.02
2	30.68	30	-0.68	1.02
2	45.97	45	-0.97	1.02
	60.22	59	-1.22	1.02
4		74	-1.68	1.02
5	75.68	02	-1.86	1.02
6	94.86	93	-1.00	

THE REPORTED EXPANDED UNCERTAINTY OF MEASUREMENT IS STATED AS THE STANDARD UNCERTAINTY OF MEASUREMENT MULTIPLIED BY THE COVERAGE FACTOR & SUCH THAT THE COVERAGE PROBABILITY CORRESPONDS TO

APPROXIMATELY 95% AND k = 2

CALIBRATION ENGINEER CALIBRATED BY

K.LAVANYA CALIBRATION ENGINEER CHECKED BY

RANGALORE

GOW#HAM SENIOR CALIBRATION ENGINEER AUTHORISED SIGNATORY

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Perfect Calibration Centre Pvt. Ltd.

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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	The amount of the first the first of	RANGE	-50°C to 110°C
SL NO.		L.C	0.1°C
MODEL NO.) 1707 3	ID NO.	CCD/THM/06

ENVIRONMENTAL CONDITIONS:

TEMPERATURE: $25 \pm 4^{\circ}$ 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 M READ		STD. ME READI		OBSERV DEVIAT		UNCERTAINITY 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	°C	40.015	°C	0.085	°C	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 ${\bf k}$ SUCH THAT THE COVERAGE PROBABILITY

CORRESPONDS TO APPROXIMATELY 95% AND k = 2

CALIBRATION ENGINEER

CALIBRATED BY

CALIBRATION ENGINEERS
CHECKED BY

BANGALORE | SENIOI | 23155577 | 23155588 | SENIOI | AU

GOWTHAM
SENIOR CALIBRATION ENGINEER
AUTHORISED SIGNATORY

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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

CUSTOMER: M/s. COSMOS CLINIC & DIAGNOSTICS,

ANDRAHALLI, MAIN ROAD, BANGALORE - 560 091.

REPORT NO.: PC-07-21/ATL/1414-06 CAL DATE: 10/07/2021

DUE DATE: 09/07/2022 PAGE NO.: 1/1

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

: AT LAB DEPT

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.	A TETAL TE	L.C	0.1°C
MODEL NO.	Figure 1	ID NO.	CCD/THM/05

ENVIRONMENTAL CONDITIONS:

TEMPERATURE: $25 \pm 4^{\circ}$ 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

CALIBRATION RESULTS							
SL. NO.	TEST M READ		STD. ME READI		OBSERV DEVIAT		UNCERTAINITY in ±°C
1	-49.7		-50.026		0.326		0.11
2	-24.8	1	-25.014		0.214		0.11
3	0.2	1	0.068		0.132		0.08
4	40.0	°C	40.123	°C	-0.123	°C	0.08
5	79.9	1	80.058		-0.158		0.08
6	99.9	1	100.069		-0.169		0.08
7	109.7	1	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

GAISTHARG . **CALIBRATION ENGINEER**

CALIBRATED BY

K. LAVANYA CALIBRATION ENGINEER CHECKED BY

GOW THAM BANGALORE ENIOR CALIBRATION ENGINEER 23155577

▼AUTHORISED SIGNATORY

BMITTED. THIS REPORT SHALL NOT BE REPRODUCED EXCEPT IN FULL WITHOUT THE WRITTEN APPROVAL OF M/s. PERFECT CALIBRATION CENTRE PYT. 10. ALL REFERENCE STANDARDS USED ARE TRACEABLE TO NATIONAL / INTERNATIONAL STANDARDS AS PER ISO / IEC 17025 - 2017.
THE RESULTS REPORTED ARE VALID AT THE TIME AND UNDER STATED CONDITIONS OF MEASUREMENTS. THE CALIBRATION INTERVAL IS TO BE DECIDED BY THE "USER" THIS REPORT RELATES ONLY TO THE QF/7.8/01