

# INDIAN BIOMEDICAL SKILL CONSORTIUM

## Certificate of Achievement

### Presented to

Mr. PRADEEP KUMAR K

for the successful completion of the following module(s)

M08 : NABH AND NABL ACCREDITATION

**Technology Competency Score (TCS): 10**





## Technology Competency Scoring Method

Experience (E)		Competency (C)		Qualification (Q)		Technology Competency Score (TCS)
Years	Points	Modules	Points	Degree	Points	(E x C x Q)
≤ 3	1	3	1	Diploma	1	1 (min)
≤ 6	2	6	2	B. E / B. Tech	2	8
≤ 9	3	9	3	M. E / M. Tech	3	27
≤ 12	4	12	4	Ph. D	4	64
≥ 15	5	15	5	PDF	5	125 (max)

## Technology Competency Level (TCL)

01-05	06-10	11-20	21-30	31-40	41-50	51-60	61-80	81-100	101-125
TCL-1	TCL-2	TCL-3	TCL-4	TCL-5	TCL-6	TCL-7	TCL-8	TCL-9	TCL-10



## The candidate has qualified in the following modules

Name of the Module	Status
Anatomy And Physiology	
Fundamentals Of Electricity And Electronics	
Healthcare Technology Function And Operation	
Healthcare Technology Problem Solving And Troubleshooting	
Healthcare Information Technology	
Healthcare Technology Management	
Healthcare Safety And Standards	
Nabh And Nabl Accreditation	✓
Product Development, Testing, Evaluation And Modification	
Medical Terminology For Engineers	
Risk Management / Safety	
Radiation Safety	
Medical Device Regulatory	
Facilities / General Management	
Service Delivery Management	





# ADARSHA CALIBRATION SERVICES

Plot No.18,19, Survey No-118, Byraveshwara Nagar, Manganahalli Cross, Ullal Main Road,  
Ullal (P), Bangalore-560056, Ph: +91-80-2324 0578, Mob: +91-9945086171/172/173

E: [acscalib@gmail.com](mailto:acscalib@gmail.com) / [enquiry@adarshacalibrations.com](mailto:enquiry@adarshacalibrations.com) W: [www.adarshacalibrations.com](http://www.adarshacalibrations.com)

## CERTIFICATE OF CALIBRATION

Page 1 of 1

Certificate Number: ACS/TH/20-21/2860-02  
Customer Name: M/s. Chinmayi Hospital  
Address: Church Road, Kundapura, Karnataka 576201  
Udupi Dist,  
Date Of SRF: 24-11-2020  
Date of Calibration: 24-11-2020  
Next Cal Due: 23-11-2021  
Calibrated At: Thermal Lab  
Calibration WI No: W/TH/01  
Date of Issue: 25-11-2020  
Environmental Conditions: Temperature : 25.16°C Humidity : 55.5% R.H.

### DETAILS OF DEVICE UNDER CALIBRATION

Nomenclature : IR Thermometer  
Make & Model : Fluke & 59 Mini  
Range : -18°C to 275°C  
Location: NA  
Serial. No: 49887027VV5  
Code/ID No : NA  
Resolution: 0.1 °C

### DETAILS OF STANDARD INSTRUMENT USED

Nomenclature: SSPRT WITH 6 1/2 DIGIT DMM  
Make / Model : TEMPESENS & SSPRT  
Range : -196 to 600 °C  
Serial.No/Id.No: 001063  
Cal Due Date: 19-07-2021  
Certificate No: TL/020/525.1.1  
Nomenclature: -80 Low Temperature Bath  
Make / Model : Indecon/ INDEE-LTB  
Used As: Source  
Serial.No/Id.No: LTB/014/2014  
Nomenclature: Dry Block Calibrator  
Make / Model : Divya Process Instruments & DPI-1100  
Used As: Source  
Serial.No/Id.No: 1100-212

### CALIBRATION RESULTS:

Parameter: Temperature

Sl No	Source Set Point in °C	Standard Reading in °C	DJC Reading in °C	Error Obtained ± in °C
1	-18	-18.236	-17.6	0.636
2	0	0.152	-0.2	-0.352
3	50	50.098	49.6	-0.498
4	100	100.125	99.6	-0.525
5	200	200.164	199.5	-0.664
6	275	275.139	274.4	-0.739

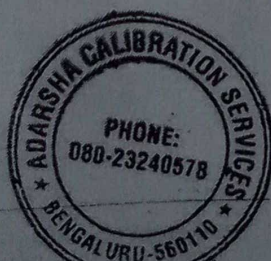
### REMARKS & CONCLUSION:

- a. Next calibration due date mentioned as per customer requirement

Calibrated By

Authorized Signatory

Bindhu A  
Calibration Engineer



Manjunath I  
Technical Manager





# ADARSHA CALIBRATION SERVICES

## NABL ACCREDITED CALIBRATION LABORATORY

Plot No.18,19, Survey No-118, Byraveshwara Nagar, Manganahalli Cross, Ullal Main Road,  
Ullal (P), Bangalore-560056, Ph: +91-80-2324 0578, Mob: +91-9945086171/172/173

E: acscalib@gmail.com / enquiry@adarshacalibrations.com W: www.adarshacalibrations.com



### CERTIFICATE OF CALIBRATION

Page 1 of 1

ULR Number:	ULR-CC272220000005738F	Date of Issue:	27-11-2020
1. Customer Name:	M/s. Chinmayi Hospital Church Road, Kundapura-576201, Udupi District.	5. Certificate No:	ACS/Nov/20/I-59-01
		6. Date of Calibration:	24-11-2020
2. Date of SRF:	24-11-2020	7. Recommended Cal Due:	23-11-2021
3. Calibrated At:	Mechanical Lab	8. Calibration SOP no:	WI/MC/10
4. SRF no:	Nov/20/I-59	9. Condition of DUC on Receipt:	Good

10. ENVIRONMENTAL CONDITION :	Temperature: 21.22 °C	Humidity: 51.3%R.H
-------------------------------	-----------------------	--------------------

11. DUC DETAILS:			
Nomenclature :	Digital Tachometer	Serial. No:	L164142
Make / Model :	Microprocessor & DT-2234C	Code/ID No :	NA
Range :	5 to 99,999 RPM	Resolution:	0.1 & 1 RPM
Location:	NA		

12. STANDARD INSTRUMENT USED:			
Nomenclature:	Digital Tachometer	Serial. No:	D79853
Make / Model :	Testo & 470	Cal Due Date:	09-09-2021
Range :	12 to 90000 RPM	Certificate No:	HT/CC/200910-10/001

#### 13. CALIBRATION RESULTS:

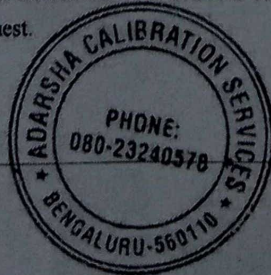
Parameter: SPEED

SLNo.	Standard Reading (RPM)	DUC Reading (RPM)	ERROR OBTAINED (RPM)	Expanded Measurement Uncertainty ±RPM
PHOTO				
1	500.0	499.9	-0.1	1.95
2	999.8	1000	0.2	1.95
3	2000	1999	-1	3.48
4	4997	4999	2	3.48
5	9999	9996	-3	5.35
6	19998	19994	-4	5.35
7	49997	49992	-5	5.35
8	79997	79989	-8	5.35

#### 14. REMARKS & CONCLUSION:

- The Measurement Uncertainty is estimated at a confidence level of 95.45 % with a coverage factor k=2.0.
- Calibration Due Date is as per Customer Request.

Calibrated By  
  
 Sai Prabhu N  
 Calibration Engineer



Authorised Signatory  
  
 Manjunath I  
 Technical Manager





# ADARSHA CALIBRATION SERVICES

## NABL ACCREDITED CALIBRATION LABORATORY

Plot No.18,19, Survey No-118, Byraveshwara Nagar, Manganahalli Cross, Ullal Main Road,  
Ullal (P), Bangalore-560056, Ph: +91-80-2324 0578, Mob: +91-9945086171/172/173  
E: acscalib@gmail.com / enquiry@adarshacalibrations.com W: www.adarshacalibrations.com



### CERTIFICATE OF CALIBRATION

Page 1 of 2

Certificate Number:	ACS/Nov/20/I-59-02	ULR Number:	ULR-CC-27222000005739F
Customer Name & Address:	M/s. Chinmayi Hospital Church Road, Kundapura-576201, Udupi District.		
Date Of SRF:	24-11-2020	Calibrated At:	Mechanical Lab
Date of Calibration:	24-11-2020	Calibration WI No:	W/MC/11
Next Cal Due:	23-11-2020	Date of Issue:	27-11-2020
Environmental Conditions:	Temperature °C : 20.15 Atmospheric Pressure hpa : 915.7	Humidity % R.H :	52.3

#### DETAILS OF DEVICE UNDER CALIBRATION

Nomenclature :	Weight Box	Serial No:	NA
Make & Model :	Analytical & NA	ID No :	W-01
Range :	1mg-200g	Accuracy Class :	M1
Density of Test Weight:	7950kg/m <sup>3</sup>	Material :	Stainless Steel
Location:	NA		

#### DETAILS OF STANDARD INSTRUMENT USED

Nomenclature:	Weighing Balance	Serial. No:	D450026316
Make / Model :	SHIMADZU/AUW220D	Cal Due Date:	12-06-2021
Range :	1mg to 220g	Certificate No:	RMTL/01/ 320100904-A1
Nomenclature:	Standard weights	Serial. No:	NA
Make / Model :	Weightronics / E2 Class	Cal Due Date:	22-06-2023
Range :	1mg - 200g	Certificate No:	SICC/CC/0369A/06/2020-2021

Calibrated By

Sai Prabhun

Calibration Engineer



Authorised Signatory

Manjunath I

Technical manager





# ADARSHA CALIBRATION SERVICES

## NABL ACCREDITED CALIBRATION LABORATORY

Plot No.18,19, Survey No-118, Byraveshwara Nagar, Mangalahalli Cross, Ullal Main Road,  
Ullal (P), Bangalore-560056, Ph: +91-80-2324 0578, Mob: +91-9945086171/172/173

E: [acscalib@gmail.com](mailto:acscalib@gmail.com) / [enquiry@adarshacalibrations.com](mailto:enquiry@adarshacalibrations.com) W: [www.adarshacalibrations.com](http://www.adarshacalibrations.com)



### CERTIFICATE OF CALIBRATION

Certificate no: ACS/Nov/20/I-59-02 ULR Number: ULR-CC-272220000005739F

#### CALIBRATION RESULTS:

Sl.No.	Denomination	DUC Value	Measurement Uncertainty in (±)
	mg	g	mg
1	1	0.00095	0.02
2	2	0.00184	0.02
3	2#	0.00211	0.02
4	5	0.00493	0.02
5	10	0.01020	0.02
6	20	0.02016	0.02
7	20#	0.02017	0.02
8	50	0.05030	0.02
9	100	0.10033	0.02
10	200	0.20039	0.02
11	200#	0.20041	0.02
12	500	0.50041	0.03
	g	g	mg
13	1	1.00066	0.07
14	2	2.00083	0.05
15	2#	1.99979	0.05
16	5	5.00129	0.05
17	10	10.00163	0.05
18	20	20.00188	0.08
19	20#	20.00074	0.08
20	50	50.00227	0.13
21	100	100.0037	0.20
22	200	199.9976	0.20

#### MARKS & CONCLUSION:

- a. The calibration procedure is done by Substitution method of ABBA weighing cycle and Reported Values of DUC are Average of 3 Measuring Series.
- b. The Measurement Uncertainty is estimated at a confidence level of 95.45 % with a coverage factor k=2.
- c. Calibration certificate issued for weights used for scientific or industrial purpose only.
- d. Calibration is done as per OIMLR-111:2004(E) Guidelines.
- e. Next Calibration Due Date mentioned as per customer requirement.
- f. Thermal Stabilization:2hr.

Calibrated By

*Sai Prabh N*  
Sai Prabh N



Authorized Signatory

*Manjunath I*  
Manjunath I





# ADARSHA CALIBRATION SERVICES

## NABL ACCREDITED CALIBRATION LABORATORY

Plot No.18,19, Survey No-118, Byraveshwara Nagar, Manganahalli Cross, Ullal Main Road,  
Ullal (P), Bangalore-560056, Ph: +91-80-2324 0578, Mob: +91-9945086171/172/173

E: [acscalib@gmail.com](mailto:acscalib@gmail.com) / [enquiry@adarshacalibrations.com](mailto:enquiry@adarshacalibrations.com) W: [www.adarshacalibrations.com](http://www.adarshacalibrations.com)



CC-2722

### CERTIFICATE OF CALIBRATION

Page 1 of 1

Certificate Number:	ACS/Nov/20/1-59-03	ULR Number	ULR-CC-27222000005740F
Customer Name & Address:	M/s. Chinmayi Hospital Church Road, Kundapura-576201, Udupi District.	Date Of SRF:	24-11-2020
		Date of Calibration:	24-11-2020
		Next Cal Due:	23-11-2021
DUC Condition on Receipt:	Good	Date of Issue:	27-11-2020
Calibrated At:	Mechanical Lab	Calibration WI No:	WI/MC/08
Environment Condition:	Temperature:	24.5°C	Humidity: 53.2% R.H

#### DETAILS OF DEVICE UNDER CALIBRATION

Nomenclature :	Make & Model :	Range :	Resolution:
Vacuum Gauge	MASS & NA	0 to -760 mmHg	20 mmHg
Serial. No:	9392	Code/IDNo:	NA
Accuracy :	±0.25% FS		
Location:	Compressor Pump		

#### DETAILS OF STANDARD INSTRUMENT USED

Nomenclature :	Make & Model :	Serial. No:	Certificate No:	Cal Due Date:
Pressure Calibrator	R&D Instruments / APC 40	APC 513042013	CS/19/LB/MP/166-02	26-12-2020 (As Per NABL)
Reference Standard:	ISO-3567 & ISO:27893			

Calibration Result	Parameter:	Vacuum	All Reading In mmHg		
Duc Set	Standard Reading Pind			Discipline :	Mechanical
Pind	Rising M1	Falling M2	Rising M3	Falling M4	
0	0	0	0	0	
-100	-100	-99	-101	-100	
-200	-199	-198	-200	-199	
-300	-298	-297	-299	-298	
-400	-398	-397	-399	-398	
-500	-497	-496	-498	-497	
-600	-596	-596	-595	-595	

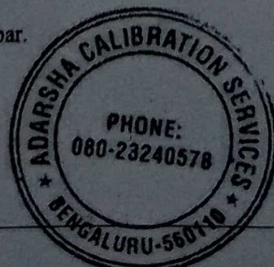
Duc Set	Mean Value	Error	Zero Deviation	Repeatability	Hysteresis	Expanded Uncertainty (±)
Pind	Mpind	Op=(Pind-Mpind)	f0	b'	h	U (bar)
0	0	0	----	----	----	----
-100	-100	0	1	1	1	0.015
-200	-199	-1	1	1	1	0.015
-300	-298	-2	1	1	1	0.015
-400	-398	-2	1	1	1	0.015
-500	-497	-3	1	1	1	0.015
-600	-596	-5	1	1	0	0.015

#### REMARKS & CONCLUSION

- The Measurement Uncertainty is estimated at a confidence level of 95.45 % with a coverage factor k=2.0.
- Calibration certificate issued for Vacuum gauge is used for scientific or industrial purpose only.
- Calibration due date is as per Customer Request.
- As per IS : 3624-1987, SI unit of Pressure is Pascal (Pa) = 10<sup>-3</sup> bar.

Calibrated By

*Sai Prabh N*  
Sai Prabh N  
Calibration Engineer



Authorised Signatory

*Manjunath I*  
Manjunath I  
Technical Manager





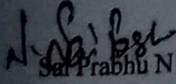

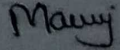
# ADARSHA CALIBRATION SERVICES

Plot No.18,19, Survey No-118, Byraveshwara Nagar, Manganahalli Cross, Ullal Main Road,  
Ullal (P), Bangalore-560056, Ph: +91-80-2324 0578, Mob: +91-9945086171/172/173

E: [acscalib@gmail.com](mailto:acscalib@gmail.com) / [enquiry@adarshacalibrations.com](mailto:enquiry@adarshacalibrations.com) W: [www.adarshacalibrations.com](http://www.adarshacalibrations.com)

## CERTIFICATE OF CALIBRATION

Page 1 of 1

Customer Name:	M/s. Chinmayi Hospital Church Road, Kundapura-576201, Udupi District.	Certificate No:	ACS/20-21/2860-01
Date of SRF:	24-11-2020	Date of Calibration:	24-11-2020
Calibrated At:	Mechanical Lab	Recommended Cal Due:	23-11-2021
SRF NO:	2860	Calibration SOP no:	W/MC/22
ENVIRONMENTAL CONDITION:		Condition of DUC on Receipt:	Good
DUC DETAILS:		Temperature: 21.28°C	Humidity: 51.6% R.H
Nomenclature :	TDS METER	Serial. No:	NA
Make :	TDS & EC	Code/ID No:	NA
Range :	0 to 9990 ppm	Resolution:	1ppm
Location:	NA		
STANDARD INSTRUMENT USED :			
Nomenclature:	Solution	CAL DUE:	13-03-2021
Make	EUTECH	Serial.No/Id.No:	117/02
Range :	300 PPM	Product Code:	EC442300BT
Nomenclature:	Solution	CAL DUE:	02-12-2020
Make	EUTECH	Serial.No/Id.No:	486/01
Range :	1000 ppm	Product Code:	EC4421000BT
CALIBRATION RESULTS:			
Sl No	STANDARD READING (PPM)	DUC READING (PPM)	ERROR OBTAINED (PPM)
1	300	298	-2
2	1000	997	-3
REMARKS & CONCLUSION:			
Calibration due date is as per customer request.			
Calibrated By		Authorized Signatory	
 Sar Prabh N Calibration Engineer		 Manjunath I Technical Manager	





# CHINMAYI HOSPITAL



ISO 9001 : 2015 Certified Hospital  
Church Road, KUNDAPURA - 576 201, Udupi Dist., Karnataka  
Tel : (08254) - 232243, 232263, 231720, 233701 - 03, Mob. : 9449833705 Fax : 233704  
Website : www.chinmayihospital.com E-mail : chinmayihospital@yahoo.com

## CALIBRATION REPORT

Customer Name	Chinmayi Hospital Church Road Kundapur576201	Department Name	Laboratory
Calibrated At	Site	Date of Calibration	21-12-2019
Certificate No	CH-CAL-99	Calibration Due on	20-12-2020
ENVIRONMENTAL CONDITION : Temperature :22.6°C Humidity:59%			
DUC Details			
Nomenclature	Refrigerator	Serial No	NA
Make & Model	LG	Asset ID No	CH/LAB/RF03
Range	2-8°C	Traceable to	NABL
STANDARD INSTRUMENT USED			
Nomenclature	Digital Thermometer	Serial No	20180103325
Make/Model	HTC/MT4	Calibration Due Date	25-09-2020
Range	-50°C to 550°C	Traceable To	NABL

## CALIBRATION RESULTS

SI No	STD Meter Reading °C	DUC Reading in °C	Error Obtained in °C
1	5.1(9:00AM)	5.2(9:00 AM)	0.1
2	5.2 (12 PM)	4.9(12 PM)	0.3
3	6.2 (3:00 PM)	6.8(3:00 PM)	-0.6
4	5.8 (5:00 PM)	5.1 (5:00 PM)	0.7

### Remarks & Conclusion

1. Reported Values of DUC & Standard are Average of 4 Measuring series
2. The measurement Uncertainty is estimated at confidence level of 95 %
3. Accuracy of Refrigerator :  $\pm 1.5^{\circ}\text{C}$  of reading

Calibrated By

Pradeep Kumar

Authorized by

Dr Umesh Puthran





# CHINMAYI HOSPITAL



ISO 9001 : 2015 Certified Hospital  
 Church Road, KUNDAPURA - 576 201, Udupi Dist., Karnataka  
 Tel : (08254) - 232243, 232263, 231720, 233701 - 03, Mob. : 9449833705 Fax : 233704  
 Website : www.chinmayihospital.com E-mail : chinmayihospital@yahoo.com

## CALIBRATION REPORT

Customer Name	Chinmayi Hospital Church Road Kundapur576201	Department Name	Laboratory
Calibrated At	Site	Date of Calibration	21-12-2019
Certificate No	CH-CAL-100	Calibration Due on	20-12-2020
ENVIRONMENTAL CONDITION :		Temperature :21.8°C Humidity:56%	

### DUC Details

Nomenclature	Centrifuge	Serial No	LD6M009010
Make & Model	DLAB	Asset ID No	CH/LAB/CN 01
Range	0-4500RPM	Traceable to	NABL

### STANDARD INSTRUMENT USED

Nomenclature	Digital Tachometer	Serial No	L64142
Make/Model	DT2234C	Calibration Due Date	25-09-2020
Range	2.5RPM-99,999RPM	Traceable To	NABL

### CALIBRATION RESULTS

Sl No	Standard Meter Reading In RPM	DUC Reading in RPM	Error Obtained in RPM
PHOTO			
1	250	251	1
2	500	512	12
3	2000	2058	58
4	3500	3525	25
5	4500	4508	8

### Remarks & Conclusion

1. Reported Values of DUC & Standard are Average of 5 Measuring series
2. The measurement Uncertainty is estimated at confidence level of 95 %
3. Accuracy of Centrifuge:  $\pm 100$  RPM of reading

Calibrated By

Pradeep Kumar

Authorized by

Dr Umesh Puthran





# CHINMAYI HOSPITAL



ISO 9001 : 2015 Certified Hospital

Church Road, KUNDAPURA - 576 201, Udupi Dist., Karnataka

Tel : (08254) - 232243, 232263, 231720, 233701 - 03, Mob. : 9449833705 Fax : 233704

Website : www.chinmayihospital.com E-mail : chinmayihospital@yahoo.com

## CALIBRATION REPORT

Customer Name	Chinmayi Hospital Church Road Kundapur576201	Department Name	Laboratory
Calibrated At	Site	Date of Calibration	21-12-2019
Certificate No	CH-CAL-101	Calibration Due on	20-12-2020
ENVIRONMENTAL CONDITION : Temperature :21.8°C Humidity:56%			

### DUC Details

Nomenclature	Centrifuge	Serial No	FFLC 2471
Make & Model	Remi /R4C	Asset ID No	CH/LAB/CN-02
Range	0-4000RPM	Traceable to	NABL

### STANDARD INSTRUMENT USED

Nomenclature	Digital Tachometer	Serial No	L64142
Make/Model	DT2234C	Calibration Due Date	25-09-2020
Range	2.5RPM-99,999RPM	Traceable To	NABL

### CALIBRATION RESULTS

Sl No	Standard Meter Reading In RPM	DUC Reading in RPM	Error Obtained in RPM
PHOTO			
1	500	525	25
2	1000	1035	35
3	2500	2505	5
4	3500	3578	78
5	4000	4025	25

### Remarks & Conclusion

1. Reported Values of DUC & Standard are Average of 5 Measuring series
2. The measurement Uncertainty is estimated at confidence level of 95 %
3. Accuracy of Centrifuge:  $\pm 100$  RPM of reading

Calibrated By

Pradeep Kumar

Authorized by

Dr Umesh Puthran





# CHINMAYI HOSPITAL



ISO 9001 : 2015 Certified Hospital  
 Church Road, KUNDAPURA - 576 201, Udipi Dist., Karnataka  
 Tel : (08254) - 232243, 232263, 231720, 233701 - 03, Mob. : 9449833705 Fax : 233704  
 Website : www.chinmayihospital.com E-mail : chinmayihospital@yahoo.com

## CALIBRATION REPORT

Customer Name	Chinmayi Hospital Church Road Kundapur576201	Department Name	Laboratory
Calibrated At	Site	Date of Calibration	21-12-2019
Certificate No	CH-CAL-114	Calibration Due on	20-12-2020
ENVIRONMENTAL CONDITION : Temperature :22.4°C Humidity: 59%			
DUC Details			
Nomenclature	Pipette	Serial No	LW03859
Make & Model	Mispai2	Asset ID No	CH/LAB/Pi-01
Range	20-200µL	Traceable to	NABL

### STANDARD INSTRUMENT USED

Nomenclature	Weights	Serial No	NA
Make/Model	Analytical weight Box	Calibration Due Date	25-09-2020
Range	1mg-200g	Traceable To	NABL

### CALIBRATION RESULTS

Sl No	STD Meter Reading (µL)	DUC Reading in (mg)	Error Obtained in
1	20	20.001	0.001
2	50	49.989	0.021
3	100	100.002	0.002
4	200	200.002	0.002

### Remarks & Conclusion

1. Reported Values of DUC & Standard are Average of 4 Measuring series
2. The measurement Uncertainty is estimated at confidence level of 95 %

Calibrated By

Pradeep Kumar

Authorized by

Dr Umesh Puthran



# CHINMAYI HOSPITAL



ISO 9001 : 2015 Certified Hospital

Church Road, KUNDAPURA - 576 201, Udupi Dist., Karnataka

Tel : (08254) - 232243, 232263, 231720, 233701 - 03, Mob. : 9449833705 Fax : 233704

Website : www.chinmayihospital.com E-mail : chinmayihospital@yahoo.com



## CALIBRATION REPORT

Customer Name	Chinmayi Hospital Church Road Kundapur576201	Department Name	Laboratory
Calibrated At	Site	Date of Calibration	21-12-2019
Certificate No	CH-CAL-117	Calibration Due on	20-12-2020
ENVIRONMENTAL CONDITION :		Temperature : 22.4°C	Humidity: 59%
DUC Details			
Nomenclature	Pipette	Serial No	LW03990
Make & Model	Mispai2	Asset ID No	CH/Lab/Pi-02
Range	2-20µL	Traceable to	NABL

STANDARD INSTRUMENT USED			
Nomenclature	Weights	Serial No	NA
Make/Model	Analytical weight Box	Calibration Due Date	25-09-2020
Range	1mg-200g	Traceable To	NABL

## CALIBRATION RESULTS

Sl No	STD Meter Reading (µL)	DUC Reading in (mg)	Error Obtained in
1	2	2.005	0.005
2	5	4.997	0.003
3	10	9.994	0.004
4	20	19.991	0.001

### Remarks & Conclusion

1. Reported Values of DUC & Standard are Average of 4 Measuring series
2. The measurement Uncertainty is estimated at confidence level of 95 %

Calibrated By

Pradeep Kumar

Authorized by

Dr Umesh Puthran



# CHINMAYI HOSPITAL



ISO 9001 : 2015 Certified Hospital

Church Road, KUNDAPURA - 576 201, Udupi Dist., Karnataka

Tel : (08254) - 232243, 232263, 231720, 233701 - 03, Mob. : 9449833705 Fax : 233704  
Website : www.chinmayihospital.com E-mail : chinmayihospital@yahoo.com



## CALIBRATION REPORT

Customer Name	Chinmayi Hospital Church Road Kundapur576201	Department Name	Laboratory
Calibrated At	Site	Date of Calibration	21-12-2019
Certificate No	CH-CAL-118	Calibration Due on	20-12-2020

ENVIRONMENTAL CONDITION : Temperature :22.4°C Humidity: 59%

### DUC Details

Nomenclature	Pipette	Serial No	61502221
Make & Model	Vertex	Asset ID No	CH/Lab/Pi-03
Range	10-100µL	Traceable to	NABL

### STANDARD INSTRUMENT USED

Nomenclature	Weights	Serial No	NA
Make/Model	Analytical weight Box	Calibration Due Date	25-09-2020
Range	1mg-200g	Traceable To	NABL

### CALIBRATION RESULTS

STD Meter Reading (µL)	DUC Reading in (mg)	Error Obtained in
25	24.991	0.009
50	49.995	0.005
75	74.995	0.005
100	100.001	0.001

### Remarks & Conclusion

1. Reported Values of DUC & Standard are Average of 4 Measuring series
2. The measurement Uncertainty is estimated at confidence level of 95 %

Calibrated By

Pradeep Kumar

Authorized by

Dr Umesh Puthran



# CHINMAYI HOSPITAL



ISO 9001 : 2015 Certified Hospital

Church Road, KUNDAPURA - 576 201, Udupi Dist., Karnataka

Tel : (08254) - 232243, 232263, 231720, 233701 - 03, Mob. : 9449833705 Fax : 233704  
Website : www.chinmayihospital.com E-mail : chinmayihospital@yahoo.com

## CALIBRATION REPORT

Customer Name	Chinmayi Hospital Church Road Kundapur576201	Department Name	Laboratory
Calibrated At	Site	Date of Calibration	21-12-2019
Certificate No	CH-CAL-119	Calibration Due on	20-12-2020
ENVIRONMENTAL CONDITION : Temperature :22.4°C Humidity: 59%			
DUC Details			
Nomenclature	Pipette	Serial No	YN4A009062
Make & Model	Mispa i2	Asset ID No	CH/Lab/Pi-G4
Range	20-200µL	Traceable to	NABL

## STANDARD INSTRUMENT USED

Nomenclature	Weights	Serial No	NA
Make/Model	Analytical weight Box	Calibration Due Date	25-09-2020
Range	1mg-200g	Traceable To	NABL

## CALIBRATION RESULTS

STD Meter Reading (µL)	DUC Reading in (mg)	Error Obtained in
25	25.006	0.006
100	99.005	0.005
150	150.07	0.07
200	200.02	0.02

### Remarks & Conclusion

1. Reported Values of DUC & Standard are Average of 4 Measuring series
2. The measurement Uncertainty is estimated at confidence level of 95 %

Calibrated By

Pradeep Kumar

Authorized by

Dr Umesh Puthran



# CHINMAYI HOSPITAL

ISO 9001 : 2015 Certified Hospital

Church Road, KUNDAPURA - 576 201, Udipi Dist., Karnataka

Tel : (08254) - 232243, 232263, 231720, 233701 - 03, Mob. : 9449833705 Fax : 233704  
Website : www.chinmayihospital.com E-mail : chinmayihospital@yahoo.com



## CALIBRATION REPORT

Customer Name	Chinmayi Hospital Church Road Kundapur576201	Department Name	Laboratory
Calibrated At	Site	Date of Calibration	21-12-2019
Certificate No	CH-CAL-120	Calibration Due on	20-12-2020
ENVIRONMENTAL CONDITION :		Temperature :22.4°C	Humidity: 59%

### DUC Details

Nomenclature	Pipette	Serial No	NA
Make & Model	Bio Lab	Asset ID No	CH/Lab/Pi-05
Range	100-1000µL	Traceable to	NABL

### STANDARD INSTRUMENT USED

Nomenclature	Weights	Serial No	NA
Make/Model	Analytical weight Box	Calibration Due Date	25-09-2020
Range	1mg-200g	Traceable To	NABL

### CALIBRATION RESULTS

Sl No	STD Meter Reading (µL)	DUC Reading in (mg)	Error Obtained in
1	250	250.05	0.05
2	500	500.03	0.03
3	750	749.98	0.02
4	1000	999.98	0.02

### Remarks & Conclusion

1. Reported Values of DUC & Standard are Average of 4 Measuring series
2. The measurement Uncertainty is estimated at confidence level of 95 %

Calibrated By

Pradeep Kumar

Authorized by

Dr Umesh Puthran



# CHINMAYI HOSPITAL

ISO 9001 : 2015 Certified Hospital

Church Road, KUNDAPURA - 576 201, Udupi Dist., Karnataka

Tel : (08254) - 232243, 232263, 231720, 233701 - 03, Mob. : 9449833705 Fax : 233704  
Website : www.chinmayihospital.com E-mail : chinmayihospital@yahoo.com



## CALIBRATION REPORT

Customer Name	Chinmayi Hospital Church Road Kundapur 576201	Department Name	Laboratory
Calibrated At Site		Date of Calibration	21-12-2019
Certificate No	CH-CAL-121	Calibration Due on	20-12-2020

ENVIRONMENTAL CONDITION : Temperature : 21.4°C Humidity : 59%

### DUC Details

Nomenclature	Pipette	Serial No	NA
Make & Model	Bio Lab	Asset ID No	CH/Lab/Pi-05
Range	100-1000µL	Traceable to	NABL

### STANDARD INSTRUMENT USED

Nomenclature	Weights	Serial No	NA
Make / Model	Analytical weight Box	Calibration Due Date	25-9-2020
Range	1mg-200g	Traceable To	NABL

### CALIBRATION RESULTS

Sl No	STD Meter Reading (µL)	DUC Reading in (mg)	Error Obtained in
1	250	250.05	0.05
2	500	500.03	0.03
3	750	749.98	0.02
4	1000	999.98	0.02

### Remarks & Conclusion

1. Reported Values of DUC & Standard are Average of 4 Measuring series
2. The measurement Uncertainty is estimated at confidence level of 95 %

Calibrated By

Pradeep Kumar

Authorized by

Dr Umesh Puthran





# CHINMAYI HOSPITAL

ISO 9001 : 2015 Certified Hospital  
 Church Road, KUNDAPURA - 576 201, Udupi Dist., Karnataka  
 Tel : (08254) - 232243, 232263, 231720, 233701 - 03, Mob. : 9449833705 Fax : 233704  
 Website : www.chinmayihospital.com E-mail : chinmayihospital@yahoo.com



## CALIBRATION REPORT

Customer Name	Chinmayi Hospital Church Road Kundapur576201	Department Name	Laboratory
Calibrated At	Site	Date of Calibration	21-12-2019
Certificate No	CH-CAL-122	Calibration Due on	20-12-2020
ENVIRONMENTAL CONDITION :		Temperature :22.4°C	Humidity: 59%

### DUC Details

Nomenclature	Pipette	Serial No	YE173AB0042536
Make & Model	Dragen	Asset ID No	CH/Lab/Pi-06
Range	100-1000µL	Traceable to	NABL

### STANDARD INSTRUMENT USED

Nomenclature	Weights	Serial No	NA
Make/Model	Analytical weight Box	Calibration Due Date	25-9-2020
Range	1mg-200g	Traceable To	NABL

### CALIBRATION RESULTS

Sl No	STD Meter Reading (µL)	DUC Reading in (mg)	Error Obtained in
1	250	250.08	0.08
2	500	500.03	0.03
3	750	749.98	0.02
4	1000	999.98	0.02

### Remarks & Conclusion

1. Reported Values of DUC & Standard are Average of 4 Measuring series
2. The measurement Uncertainty is estimated at confidence level of 95 %

Calibrated By

Pradeep Kumar

Authorized by

Dr Umesh Puthran



# CHINMAYI HOSPITAL

ISO 9001 : 2015 Certified Hospital  
Church Road, KUNDAPURA - 576 201, Udipi Dist., Karnataka

Tel : (08254) - 232243, 232263, 231720, 233701 - 03, Mob. : 9449833705 Fax : 233704  
Website : www.chinmayihospital.com E-mail : chinmayihospital@yahoo.com



## CALIBRATION REPORT

Customer Name	Chinmayi Hospital Church Road Kundapur576201	Department Name	Laboratory
Calibrated At	Site	Date of Calibration	21-12-2019
Certificate No	CH-CAL-123	Calibration Due on	20-12-2020

ENVIRONMENTAL CONDITION : Temperature : 22.4°C Humidity: 59%

DUC Details			
Nomenclature	Pipette	Serial No	NA
Make & Model	Dragen	Asset ID No	CH/LAB/Pi-07
Range	5-50 $\mu$ L	Traceable to	NABL

STANDARD INSTRUMENT USED			
Nomenclature	Weights	Serial No	NA
Make/Model	Analytical weight Box	Calibration Due Date	25-09-2020
Range	1mg-200g	Traceable To	NABL

CALIBRATION RESULTS		
STD Meter Reading ( $\mu$ L)	DUC Reading in (mg)	Error Obtained in
10	9.998	0.002
20	19.997	0.003
25	24.996	0.004
50	49.995	0.0005

### Remarks & Conclusion

1. Reported Values of DUC & Standard are Average of 4 Measuring series
2. The measurement Uncertainty is estimated at confidence level of 95 %

Calibrated By

Authorized by

Pradeep Kumar

Dr Umesh Puthran



# CHINMAYI HOSPITAL



ISO 9001 : 2015 Certified Hospital  
Church Road, KUNDAPURA - 576 201, Udupi Dist., Karnataka  
Tel : (08254) - 232243, 232263, 231720, 233701 - 03, Mob. : 9449833705 Fax : 233704  
Website : www.chinmayihospital.com E-mail : chinmayihospital@yahoo.com

## CALIBRATION REPORT

Customer Name	Chinmayi Hospital Church Road Kundapur576201	Department Name	Laboratory
Calibrated At	Site	Date of Calibration	21-12-2019
Certificate No	CH-CAL-124	Calibration Due on	20-12-2020
ENVIRONMENTAL CONDITION :		Temperature :22.4°C	Humidity: 59%

### DUC Details

Instrumentation	Pipette	Serial No	NA
Make & Model	Dragen	Asset ID No	CH/Lab/Pi-08
Range	10µL	Traceable to	NABL

### STANDARD INSTRUMENT USED

Instrumentation	Weights	Serial No	NA
Make/Model	Analytical weight Box	Calibration Due Date	25-09-2020
Range	1mg-200g	Traceable To	NABL

### CALIBRATION RESULTS

STD Meter Reading (µL)	DUC Reading in (mg)	Error Obtained in
2.5	2.498	0.002
5	4.995	0.005
7.5	7.498	0.002
10	9.995	0.005

### Remarks & Conclusion

1. Reported Values of DUC & Standard are Average of 4 Measuring series
2. The measurement Uncertainty is estimated at confidence level of 95 %

Calibrated By

Pradeep Kumar

Authorized by

Dr Umesh Puthran



# CHINMAYI HOSPITAL



ISO 9001 : 2015 Certified Hospital  
 Church Road, KUNDAPURA - 576 201, Udupi Dist., Karnataka  
 Tel : (08254) - 232243, 232263, 231720, 233701 - 03, Mob. : 9449833705 Fax : 233704  
 Website : www.chinmayihospital.com E-mail : chinmayihospital@yahoo.com



## CALIBRATION REPORT

Customer Name	Chinmayi Hospital Church Road Kundapur576201	Department Name	Laboratory
Located At	Site	Date of Calibration	21-12-2019
Certificate No	CH-CAL-128	Calibration Due on	20-12-2020
ENVIRONMENTAL CONDITION :		Temperature :23.8°C	Humidity:54%

### DUC Details

Instrument Name	Nephelometer	Serial No	21151630711
Brand & Model	Mispai2	Asset ID No	CH/LAB/NF-01
Temp	37°C	Traceable to	NABL

### STANDARD INSTRUMENT USED

Instrument Name	Digital Thermometer	Serial No	20180103325
Brand/Model	HTC/MT4	Calibration Due Date	25-09-2020
Temp	-50°C to 550°C	Traceable To	NABL

### CALIBRATION RESULTS

STD Meter Reading °C	DUC Reading in °C	Error Obtained in °C
37.5	37.2	0.3
37.4	37.1	0.3
37.8	37.4	0.4
37.9	37.5	0.4

### Remarks & Conclusion

1. Reported Values of DUC & Standard are Average of 4 Measuring series
2. The measurement Uncertainty is estimated at confidence level of 95 %
3. Accuracy of Analyzer : ± 1.0°C of reading

Calibrated By

Pradeep Kumar

Authorized by

Dr Umesh Puthran



# CHINMAYI HOSPITAL



ISO 9001 : 2015 Certified Hospital  
Church Road, KUNDAPURA - 576 201, Udupi Dist., Karnataka  
Tel : (08254) - 232243, 232263, 231720, 233701 - 03, Mob. : 9449833705 Fax : 233704  
Website : www.chinmayihospital.com E-mail : chinmayihospital@yahoo.com



## CALIBRATION REPORT

Customer Name	Chinmayi Hospital Church Road Kundapur576201	Department Name	Laboratory
Calibrated At	Site	Date of Calibration	21-12-2019
Certificate No	CH-CAL-129	Calibration Due on	20-12-2020
ENVIRONMENTAL CONDITION :		Temperature :23.8°C	Humidity:54%
DUC Details			
Instrumentation	Nephelometer	Serial No	16353
Make & Model	Fine care/FS131	Asset ID No	CH/LAB/NF-02
	37°C	Traceable to	NABL

## STANDARD INSTRUMENT USED

Instrumentation	Digital Thermometer	Serial No	20180103325
Make/Model	HTC/MT4	Calibration Due Date	25-09-2020
	-50°C to 550°C	Traceable To	NABL

## CALIBRATION RESULTS

STD Meter Reading °C	DUC Reading in °C	Error Obtained in °C
37.5	37.2	0.3
37.4	37.1	0.3
37.8	37.4	0.4
37.9	37.5	0.4

## Remarks & Conclusion

1. Reported Values of DUC & Standard are Average of 4 Measuring series
2. The measurement Uncertainty is estimated at confidence level of 95 %
3. Accuracy of Analyzer :  $\pm 1.0^\circ\text{C}$  of reading

Calibrated By

Pradeep Kumar

Authorized by

Dr Umesh Puthran