

# 98/50/1, 1st Floor, 2nd Main Road, Industrial Town, Rajajinagar, Bangalore - 560 044. Ph.: 080 42021540, E-mail: rcplbangalore@gmail.com, www.relteccalibration.com



Certificate No.: CC-2215

NABL Accredited Calibration Lab as per ISO/IEC 17025:2017

### **CALIBRATION CERTIFICATE**

Page 1 of 1

1.Customer Name:		Yelahanka, C/o.Gururaj Govind Life Science		6.Certificate No:	RCPL/20-21/ML/S1107-01		
				7.ULR No:	CC221520000008234F		
		No.93,1st A Main Road, 1st Phase, Sec A,		8.Date of Issue:	03-11-2020		
2.SRF NO: S1107		S1107		9.Date of Calibration:	27-10-2020		
3.Date	of SRF/Receipt:	27-10-2020		10. Next Cal Due:	26-10-2021		
4.Discip	oline:	Mechanical Cal	bration	11.Calibration SOP no:	RCPL/SOP/ML-05		
5.Calibr	rated At:	ONSITE		12. Condition of DUC on Receipt:	Good		
	VIRONMENTA IC DETAILS:	AL CONDITIO	N: Temperature: 25.8°C	/ Humidity: 56%R.H			
Nomen	clature :	Centrifuge		Serial. No:	ZEDN-15180		
Make/	Model:	REMI & R-8C		Code/ID No :	PD-YH/LGI/CEN/01		
Range :	:	0 to 5250 RPM		Resolution:	10 RPM		
Locatio	on:	LABORATOR	ORY				
15 CT/	ANDARD INST	EDIIMENE LIC					
		Digital Tachon		Serial. No:	164-0109		
N / - 1 - C	. 34 1 1			Cal Dua Data	23-09-2021		
	G Model :			Cal Due Date:	25-07-2021		
Range :		6.0 to 99999.9 I C-200915-4-1		Traceable to:	Godrej & Boyce Mfg. Co. Ltd, CHENNAI		
Range : Certific 16. CAI		6.0 to 99999,9 I C-200915-4-1			Godrej & Boyce Mfg. Co. Ltd,		
Range: Certific 16. CAI Parame SI.	cate No: LIBRATION R	6.0 to 99999,9 I C-200915-4-1 ESULTS:			Godrej & Boyce Mfg. Co. Ltd,		
Range: Certific 16. CAl Parame SI.	cate No: LIBRATION R eter: SPEED Standard R	6.0 to 99999, 9 I C-200915-4-1 ESULTS:	DUC Set Point	Traceable to:  Error Observed	Godrej & Boyce Mfg. Co. Ltd, CHENNAI  Uncertainty of Measurement: (% of reading)		
Range: Certific 16. CAI Parame SI. No.	cate No: LIBRATION R eter: SPEED Standard R (RPM	6.0 to 99999,9 I C-200915-4-1 ESULTS:	DUC Set Point (RPM)	Traceable to:  Error Observed (RPM)  0.2	Godrej & Boyce Mfg. Co. Ltd, CHENNAI  Uncertainty of Measurement: (% of reading)  0.39		
Range : Certific 16. CAI Parame SI. No.	cate No:  LIBRATION R eter: SPEED  Standard R (RPM	6.0 to 99999,9 I C-200915-4-1 ESULTS:	DUC Set Point (RPM) 1000.0	Error Observed (RPM)  0.2 -1.1	Godrej & Boyce Mfg. Co. Ltd, CHENNAI  Uncertainty of Measurement: (% of reading)  0.39  0.20		
Range: Certific 16. CAI Parame SI. No.	cate No:  LIBRATION R eter: SPEED  Standard R (RPN 999.3	6.0 to 99999, 9 I C-200915-4-1 ESULTS: Reading 1)	DUC Set Point (RPM) 1000.0 2000.0	Traceable to:  Error Observed (RPM)  0.2	Godrej & Boyce Mfg. Co. Ltd, CHENNAI  Uncertainty of Measurement: (% of reading)  0.39		

#### 17. REMARKS & CONCLUSION:

- a. Reported Values of DUC & Standard are Average of 5 Measuring Series.
- b. The Measurement Uncertainty is estimated at a confidence level of 95.45 % with a coverage factor k=2.0.
- c. Calibration certificate issued for Centrifuge is used scientific or industrial purpose only.

d. The Std.used for calibration were calibrated and Traceable to National/InternationalStandards.

I. OD

NAVEENKUMAR B CALIBRATION ENGINEER Authorized Signatory

ARUNKUMAR QUALITY MANAGER

FM-GL-85

Bangalo





### CALIBRATION CERTIFICATE

TRACEABILITY COPY GOTTES | CALIBRATION SERVICES

Godrej & Boyce Mfg. Co. Ltd., Calibration Services, No.1, SIDCO Industrial Estate, Ambattur,, Chennai Tamilnadu, 600098, India Dir.:91-44-66544651/52/53

CC-2559

Format No.	:FR-QT-21	Page No.	:1 of 2	
Certificate No.	:C-200915-4-1	Issue Date	:29/09/2020	
Date Of Calibration	:17/09/2020	Recom. Due Date	:17/09/2021	
Reltec Calibration Pvt Ltd  98/50 1st Floor 2nd Main Industrial Town Rajajinagar Rangalore karnataka		Calibrated at	: Lab (-)	
		Challan Date.	: 15/09/2020	
		Date Of Receipt	: 15/09/2020	
		Cond. On Receipt	Satisfactory	
		Receipt No.	: C-200915-4	

Details of Unit Under Calibration

Name Make

Sr. No.

DIGITAL TACHOMETER

: LINE

: 164-0109

: RCPL/TA/65 As Per Report Operating Range

Range

Least Count

Accuracy(±) Model No.

6 to 99999 RPM 0.1 RPM

AS PER MANUAL

TM-5000

Details Of Master Equipments

Name	Sr. No.	IDNO	Valid Upto	Traceability
DIGITAL TACHOMETER	A.E.05259	QSC/E/31	05/11/2020	Hitech ,Chennai
DIGITAL TACHOMETER	1954829	QSC/M/75	14/11/2021	FCRI, Kerala

Work Instruction No.: WI-ME-05 & WI-ME-01

Referance Standard No.: SANAS 45-02

**Environmental Details:** 

Temperature: (20 ± 1) °C

Relative Humidity: (60 ± 20) %RH

#### Remark

1. The Standard reading given is the average of 3 Measurements

#### Notes

•Equipment used for calibration were calibrated & traceable to National & International Standards.

•This certificate refers only to particular item(s) submitted for calibration.

•Godrej Calibration Sevices is not liable for any change in calibration data & performance specification on account of malfunctioning of Standards/instruments/Equipment covered by this certificate due to damage caused to it after issuance of this certificate.

•The calibration results reported are valid at the time of and under the stated conditions of the measurements.

•This certificate shall not be reproduced in full/part without prior permission of Godrej Calibration Sevices.

•Satisfactory calibration report in no ways implies that the equipment calibrated is approved by NABL.

•All precautions have been taken for any error or omission while calibrating the instruments and issuing this certificate. However Godrej Calibration Sevices shall not be liable for any loss or liability that may be arise to any party in this regards.

Authorized Signatory : P Muthukumar

Designation : Senior Manager

Calibrated By:M Rajesh Calibration Engg

ULR No.: (CC255920000016657F)

Signature valid

Godrej & Boyce Mfg. Co. Ltd.

Regd. Office: Pirojshanagar, L.B.S. Marg, Vikhroli, Mumbai 400 079. T.: 91-22-6796 1700/1800 W.: www.godrej.com



# 98/50/1, 1st Floor, 2nd Main Road, Industrial Town, Rajajinagar, Bangalore - 560 044. Ph.: 080 42021540, E-mail: rcplbangalore@gmail.com, www.relteccalibration.com



NABL Accredited Calibration Lab as per ISO/IEC 17025:2017

### **CALIBRATION CERTIFICATE**

Page 1 of 2

1. Customer Name:  Yelahanka , C / o. Gururaj Govind Life Science LLP, No. 93,1st A Main Road, 1st Phase, See A, Yelahanka New Town, Bnagalore-560064  2. Discipline:  Electro Technical Calibration  3. Date of SRF:  27-10-2020  10. Next Cal Due: 26-10-2021  4. Calibrated At: Oniste  11. Calibration SOP no: 5. SRF NO:  12. Condition of DUC on Receipt:  13. ENVIRONMENTAL CONDITION: Temperature: 20 to 40°C / Humidity: ≤70%R.H  14. DUC DETAILS:  Nomenclature: Centrifuge(Timer)  Make & Model: REMI & R-&C Plus  Code/ID No: DP-YH/LGI/ Range: Upto 99min Location: LAB  15. STANDARD INSTRUMENT USED:  Nomenclature: Time Totalizer  Make& Model: BELTRONICS & 501  Cal Due Date: Certificate No: Cal Due Date: Cal Godrej & Boy, Ltd., Chennai.  Cal Brated By  NAYBENKUMAR B CALIBRATION ENCINEER  B SRIN  Cal Due Date: B SRIN  Authorized B SRIN  Cal Due Date: B SRIN						
1. Customer Name:  Science LLP, No. 93,1st A Main Road, 1st Phase, Sec A, Yelahanka New Town, Bnagalore-560064  2. Discipline:  Electro Technical Calibration  9. Date of SRF:  27-10-2020  10. Next Cal Due:  4. Calibrated At:  Oniste  11. Calibration sOP no:  5. SRF NO:  51107  12. Condition of DUC on Receipt:  13. ENVIRONMENTAL CONDITION: Temperature: 20 to 40°C/Humidity: \$70% R.H  14. DUC DETAILS:  Nomenclature:  Centrifuge(Timer)  Serial No:  ZEFN-20986  Make & Model:  REMI & R-&C Plus  Code/ID No:  LAB  15. STANDARD INSTRUMENT USED:  Nomenclature:  Time Totalizer  Make& Model:  BELTRONICS & 501  Cal Due Date:  As Per Manual  Certificate No:  Calibrated By  NAYBENKUMAR B  CALIBRATIONI ENCINEER  B SRIN  Authorized  B SRIN  Authorized  B SRIN  Authorized  B SRIN	-21/ET/S1107-02	RCPL/20	rtificate No:			
Bnagalore-560064  8.Date of Issue:  03-11-2020  2.Discipline: Electro Technical Calibration 9.Date of SRF: 27-10-2020 10.Next Cal Due: 26-10-2021 4.Calibrated At: Oniste 11.Calibration SOP no: ECPL/SOP/E 5.SRF NO: S1107  12.Condition of DUC on Receipt:  13. ENVIRONMENTAL CONDITION: Temperature: 20 to 40°C/Humidity: \$70%R.H  14. DUC DETAILS: Nomenclature: Centrifuge(Timer) Serial No: ZEFN-20986 Make & Model: REMI & R-8C Plus Code/ID No: PD-YH/LGI/ Range: Upto 99min Resolution: LAB  15. STANDARD INSTRUMENT USED: Nomenclature: Time Totalizer Make& Model: BELTRONICS & 501 Cal Due Date: Certificate No: C-200818-11-1  Calibrated By  NAVEENKUMAR B CALIBRATION ENCLUSED.  Authorized Bangalore B SRIN	000008293F	CC22152	R No.	in Road,	Science LLP, No.93,1st A Mai	Customer Name:
3. Date of Calibration: 27-10-2020  10. Next Cal Due: 26-10-2021 4. Calibrated At: Oniste 11. Calibration SOP no: RCPL/SOP/E 5. SRF NO: S1107  12. Condition of DUC on Receipt: Good 13. ENVIRONMENTAL CONDITION: Temperature: 20 to 40°C / Humidity: ≤70% R.H 14. DUC DETAILS:  Nomenclature: Centrifuge(Timer) Serial No: ZEFN-20986 Make & Model: REMI & R-8C Plus Code/ID No: PD-YH/LGI/ Range: Upto 99min Resolution: Imin Location: LAB  15. STANDARD INSTRUMENT USED:  Nomenclature: Time Totalizer Serial. No: 105 Make& Model: BELTRONICS & 501 Cal Due Date: 22-08-2021 Range: As Per Manual Traceable to: Godrej & Boya Ltd., Chennai.  Calibrated By  NAVEENKUMAR B CALIBRATION ENCINEER  Authorized Bangalore  B SRIN	)	03-11-202	te of Issue:	New Town,		
4. Calibrated At:  Oniste  11. Calibration SOP no:  RCPL/SOP/E  5. SRF NO:  S1107  12. Condition of DUC on Receipt:  Good  Good  13. ENVIRONMENTAL CONDITION: Temperature: 20 to 40°C / Humidity: ≤70% R.H  14. DUC DETAILS:  Nomenclature:  Centrifuge(Timer)  Serial No:  ZEFN-20986  Make & Model:  REMI & R-8C Plus  Code/ID No:  PD-YH/LGI/  Range:  Upto 99min  Resolution:  LAB  15. STANDARD INSTRUMENT USED:  Nomenclature:  Time Totalizer  Serial. No:  105  Make& Model:  BELTRONICS & 501  Cal Due Date:  Caylorated No:  Certificate No:  Caylorated By  NAVEENKUMAR B  CALIBRATION ENCINEER  B SRIN  CALIBRATION ENCINEER	)	27-10-202	te of SRF:		Electro Technical Calibration	Discipline:
5.SRF NO: S1107  12.Condition of DUC on Receipt: Good  13. ENVIRONMENTAL CONDITION: Temperature: 20 to 40°C / Humidity: ≤70% R.H  14. DUC DETAILS:  Nomenclature: Centrifuge(Timer) Serial No: ZEFN-20986  Make & Model: REMI & R-8C Plus Code/ID No: PD-YH/LGI/ Range: Upto 99min Resolution: 1min  Location: LAB  15. STANDARD INSTRUMENT USED:  Nomenclature: Time Totalizer Serial. No: 105  Make & Model: BELTRONICS & 501 Cal Due Date: 22-08-2021  Range: As Per Manual Traceable to: Godrej & Boyd Ltd., Chennai.  Calibrated By NAVEENKUMAR B  CALIBRATIONI ENCINEER  B SRIP	l	26-10-202	ext Cal Due:		27-10-2020	Date of Calibration:
13. ENVIRONMENTAL CONDITION: Temperature: 20 to 40°C/Humidity: ≤70%R.H     14. DUC DETAILS:	P/ET-05	RCPL/SO	alibration SOP no:		Oniste	Calibrated At:
14. DUC DETAILS:  Nomenclature: Centrifuge(Timer) Serial No: ZEFN-20986  Make & Model: REMI & R-8C Plus Code/ID No: PD-YH/LGI/ Range: Upto 99min Resolution: 1min  Location: LAB  15. STANDARD INSTRUMENT USED:  Nomenclature: Time Totalizer Serial. No: 105  Make& Model: BELTRONICS & 501 Cal Due Date: 22-08-2021  Range: As Per Manual Traceable to: Godrej & Boyc Ltd., Chennai.  Certificate No: C-200818-11-1  Calibrated By  NAVEENKUMAR B  CALIBRATION ENCINEER		Good			S1107	SRF NO:
Nomenclature: Centrifuge(Timer) Serial No: ZEFN-20986  Make & Model: REMI & R-8C Plus Code/ID No: PD-YH/LGI/ Range: Upto 99min Resolution: 1min  Location: LAB  15. STANDARD INSTRUMENT USED:  Nomenclature: Time Totalizer Serial. No: 105  Make& Model: BELTRONICS & 501 Cal Due Date: 22-08-2021  Range: As Per Manual Traceable to: Godrej & Boyd Ltd., Chennai.  Certificate No: C-200818-11-1  Calibrated By  NAVEENKUMAR B  CALIBRATION ENCLOSED			ity: ≤70%R.H	20 to 40°C/H	. CONDITION: Temperature:	3. ENVIRONMENTAL
Make & Model:  REMI & R-8C Plus  Code/ID No:  PD-YH/LGI/  Range:  Upto 99min  Location:  LAB  15. STANDARD INSTRUMENT USED:  Nomenclature:  Time Totalizer  Make& Model:  BELTRONICS & 501  Cal Due Date:  Certificate No:  C-200818-11-1  Calibrated By  NAVEENKUMAR B  CALIBRATION ENCINEER  REMI & R-8C Plus  Code/ID No:  PD-YH/LGI/  Resolution:  1min  1code/ID No:  PD-YH/LGI/  Resolution:  1min  Calibrated Instrument USED:  Authorized  Bangalore  Traceable to:  Authorized  B SRIM						. DUC DETAILS:
Range: Upto 99min Resolution: 1min  Location: LAB  15. STANDARD INSTRUMENT USED:  Nomenclature: Time Totalizer Serial. No: 105  Make& Model: BELTRONICS & 501 Cal Due Date: 22-08-2021  Range: As Per Manual Traceable to: Godrej & Boyn Ltd., Chennai.  Certificate No: C-200818-11-1  Calibrated By  NAVEENKUMAR B  CALIBRATION ENCINEER	986	ZEFN-20	ıl No:		Centrifuge(Timer)	omenclature :
Location:  LAB  15. STANDARD INSTRUMENT USED:  Nomenclature: Time Totalizer  Serial. No:  Cal Due Date:  Cal Due Date:  Cartificate No:  C-200818-11-1  Calibrated By  NAVEENKUMAR B  CALIBRATION ENCINEER  IIIIII  Authorized  Serial. No:  Cal Due Date:  105  Cal Due Date:  Cal	GI/CEN/02	PD-YH/	z/ID No:		REMI & R-8C Plus	ake & Model :
15. STANDARD INSTRUMENT USED:  Nomenclature: Time Totalizer Serial. No: 105  Make& Model: BELTRONICS & 501 Cal Due Date: 22-08-2021  Range: As Per Manual Traceable to: Godrej & Boyd Ltd., Chennai.  Certificate No: C-200818-11-1  Calibrated By Bangalore Ban		1min	lution:		Upto 99min	ange:
Make& Model:  BELTRONICS & 501  Cal Due Date:  22-08-2021  Cal Due Date:  Codrej & Boy Ltd., Chennai.  Calibrated By  NAVEENKUMAR B  CALIBRATION ENCINEER  BELTRONICS & 501  Cal Due Date:  22-08-2021  Traceable to:  Authorized  Bangalore  B SRIP	(5)				LAB	ocation:
Make& Model:  BELTRONICS & 501  Cal Due Date:  22-08-2021  Cartificate No:  C-200818-11-1  Calibrated By  NAVEENKUMAR B  CALIBRATION ENCINEER  BELTRONICS & 501  Cal Due Date:  22-08-2021  Traceable to:  Cal Due Date:  Authorized  Bangalore  Bangalore  Bangalore  B SRIN			-	8	TRUMENT USED:	S. STANDARD INST
Range: As Per Manual Certificate No: C-200818-11-1  Calibrated By  NAVEENKUMAR B  CALIBRATION ENCINEER  Calibrated By  CALIBRATION ENCINEER		105	l. No:		Time Totalizer	omenclature:
Calibrated By  Calibrated By  NAVEENKUMAR B  CALIBRATION ENCINEER  Calibrated Sover Ltd., Chennai.  Calibrated By  Bangalore  Bangalore  Bangalore  Bangalore  Bangalore	22-08-2021		Due Date:		BELTRONICS & 501	ake& Model :
Calibrated By  Calibrated By  NAVEENKUMAR B  CALIBRATION ENCINEER  Calibration  Bangalore  B SRIN	policyclorus Mae d 1 - G. 1900/Marchite				As Per Manual	inge:
NAVEENKUMAR B  CALIBRATION ENGINEER  B SRIN	Godrej & Boyce Mfg. Co. Ltd.,Chennai.				C-200818-11-1	ertificate No:
NAVEENKUMAR B  CALIBRATION ENGINEER  B SRIN			7)			
NAVEENKUMAR B  CALIBRATION ENGINEER  B SRIN		03				
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CALIBRATION ENGINEED	- 20 niva			Bangalore	DIAVERNICIDAN P. BE	
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	CAL MANAGER FM-GL-2	TECHN				



# 98/50/1, 1st Floor, 2nd Main Road, Industrial Town, Rajajinagar, Bangalore - 560 044. Ph.: 080 42021540, E-mail: rcplbangalore@gmail.com, www.relteccalibration.com



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### **CALIBRATION CERTIFICATE**

Page 2 of 2

SELECTION   SELE	Certificate No	RCPL/20-21/ET/S1107-02	ULR NO.:	CC221520000008293F	
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#### 16. CALIBRATION RESULTS:

S1 No	Parameter / Range	Standard Instrument Reading	Computed Value	DUC Reading	Computed Value	Error Obtained	Measurement Uncertainty ±
	Time / Upto 99min	hr: min: sec: msec	sec	min	sec	sec	sec
1		00:01:00:125	60.125	1.0	60.00	-0.125	0.079
2		00:05:00:134	300.134	5.0	300.00	-0.134	0.394
3		00:10:00:114	600.114	10.0	600.00	-0.114	0.789
4		00:20:00:098	1200.098	20.0	1200.00	-0.098	1.578
5		00:30:00:105	1800.105	30.0	1800.00	-0.105	2.367

#### 17. REMARKS & CONCLUSION:

- a. Reported Values of Standard & DUC are Average of 5 Trials.
- b. The Measurement Uncertainty Values are estimated at a confidence level of 95.45 % with a coverage factor k = 2.00.

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- c. Calibration points & Due date is given as per customer request.
- d. Measurement results are traceable to national standard.

Calibrated By

NAVEENKUMAR B

CALIBRATION ENGINEER

**Authorized Signatory** 

B SRINIVAS

TECHNICAL MANAGER



# 98/50/1, 1st Floor, 2nd Main Road, Industrial Town, Rajajinagar, Bangalore - 560 044. Ph.: 080 42021540, E-mail: rcplbangalore@gmail.com, www.relteccalibration.com



NABL Accredited Calibration Lab as per ISO/IEC 17025:2017

Certificate No.:

### **CALIBRATION CERTIFICATE**

Page 1 of 1

1. Customer Name:	M/s. PRIMA DIAGNOSTICS, No.93, 1st A Main Road, 1st Phase, Sec.A, Yelahanka New Town, Bangalore-560064	6. Certificate No:	RCPL/21-22/ML/I3257-01
		7.ULR No:	CC221521000007793F
		8.Date of Issue:	26-08-2021
2. SRF No:	13257	9.Date of Calibration:	26-08-2021
3. Date of SRF/Receipt:	25-08-2021	10. Next Cal Due:	25-02-2022
4. Discipline:	Mechanical Calibration	11. Calibration SOP no:	RCPL/SOP/ML-21
5. Calibrated At:	Mass & Volume Lab	12. Condition of DUC on Receipt:	Good

13. ENVIRONMENTAL CONDITION: Temperature: 21.66°C, Humidity: 52.72%RH

Ambient Pressure: 911.8hpa, Water Temperature: 19.6°C

#### 14. DUC DETAILS:

	*		
Nomenclature :	Micropipette	Serial. No:	PW02375
Make & Model :	ThermoScientific & Finnpipette F3	Code/ID No:	PD-YH/LGI/MP/01
Range :	100-1000 µl	Resolution:	1 μΙ

#### 15. STANDARD INSTRUMENT USED:

Nomenclature:	Electronic Semi Micro Balance	Serial. No:	33604236	
Make/Model:	Sartorius / CPA225D	Cal Due Date:	16-09-2021	
Range :	0 to 220g	Traceable to:	True Value Calibration Services	
Certificate No:	TVCSPL 20/09/818-02	Traceable to.	Pvt. Ltd., Chennai	

#### 16. CALIBRATION RESULTS:

Parameter: Volume

1 11/11/11	The state of the s							
Sl. No. DUC Value		Standard value	Systematic Error	Permissible Systematic Error ±	Random Error		Measurement Uncertainty±	
	μl	μl	μl	μl	μl	μl	μl	
1	100	100.61	-0.61	0.80	0.12	0.30	0.21	
2	500	499.51	0.49	4.00	0.21	1.50	0.61	
3	1000	1005.24	-5.24	8.00	0.13	3.00	0.61	

#### 17. REMARKS & CONCLUSION:

- a. Reported Values of DUC are Average of 10 Measuring Series.
- b. The Measurement Uncertainty is estimated at a confidence level of 95.45 % with a coverage factor k=2.0.
- c. Calibration certificate issued for Pipette is used for scientific or industrial purpose only.
- d. Calibration of pipette is done as per ISO8655-6 & Permissible Systematic & Random error are given as per ISO 8655-2
- d. Coefficient of cubic thermal expansion (°C−1 × 10−6) of Borosilicate Glass 5.0 is 15 \* 10^-6.
- e. The mesurement data reported is "As found "- Without any Adjustment.
- f. This Certificate refer only to particular item submitted for Calibration.
- g. Volume at the reference temperature of 27°C, V27 from the apparent mass of water.
- h. The Std.used for calibration are calibrated and Traceable to National/International Standards.

NETRAVATI N G CALIBRATION ENGINEER **Authorized Signatory** 

MANJUNATH CHANDAKI DY TECHNICAL MANAGER



# 98/50/1, 1st Floor, 2nd Main Road, Industrial Town, Rajajinagar, Bangalore - 560 044. Ph.: 080 42021540, E-mail: rcplbangalore@gmail.com, www.relteccalibration.com



Certificate No.:

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### **CALIBRATION CERTIFICATE**

Page 1 of 1

1. Customer Name:	M/s. PRIMA DIAGNOSTICS, No.93, 1st A Main Road, 1st Phase, Sec.A, Yelahanka New Town, Bangalore-560064	6. Certificate No:	RCPL/21-22/ML/I3257-02
		7.ULR No:	CC221521000007794F
		8.Date of Issue:	26-08-2021
2. SRF No:	13257	9.Date of Calibration:	26-08-2021
3. Date of SRF/Receipt:	25-08-2021	10. Next Cal Due:	25-02-2022
4. Discipline:	Mechanical Calibration	11. Calibration SOP no:	RCPL/SOP/ML-21
5. Calibrated At:	Mass & Volume Lab	12. Condition of DUC on Receipt:	Good

13. ENVIRONMENTAL CONDITION: Temperature: 21.23°C, Humidity: 52.66%RH

Ambient Pressure: 912.8hpa, Water Temperature: 19.7°C

14. DUC DETAILS:

Nomenclature:	ature: Micropipette		PW06684				1 -
Make & Model:	ThermoScientific & Finnpipette F3	Code/ID No :		PO-YH	LGI	mp	102
Range:	5-50 µl	Resolution:	$0.1  \mu l$		,		

15. STANDARD INSTRUMENT USED:

Nomenclature:	Electronic Semi Micro Balance	Serial. No:	33604236
Make/Model:	Sartorius / CPA225D	Cal Due Date:	16-09-2021
Range:	0 to 220g	Traceable to:	True Value Calibration
Certificate No:	TVCSPL 20/09/818-02	1 raceable to:	Services Pvt. Ltd., Chennai

#### 16. CALIBRATION RESULTS:

Parameter: Volume

Sl. No.	DUC Value	Standard value	Systematic Error	Permissible Systematic Error ±	Random Error	Permissible Random Error ±	Measurement Uncertainty±
	μl	μl	μl	μl	μl	μl	μl
1	10	10.02	-0.02	0.10	0.06	0.08	0.21
2	20	20.16	-0.16	0.20	0.05	0.10	0.21
3	50	50.40	-0.40	0.50	0.09	0.20	0.21

#### 17. REMARKS & CONCLUSION:

- a. Reported Values of DUC are Average of 10 Measuring Series.
- b. The Measurement Uncertainty is estimated at a confidence level of 95.45 % with a coverage factor k=2.0.
- c. Calibration certificate issued for Pipette is used for scientific or industrial purpose only.
- d. Calibration of pipette is done as per ISO8655-6 & Permissible Systematic & Random error are given as per ISO 8655-2
- d. Coefficient of cubic thermal expansion (°C-1 × 10-6) of Borosilicate Glass 5.0 is 15 \* 10^-6.
- e. The mesurement data reported is "As found "- Without any Adjustment.
- f. This Certificate refer only to particular item submitted for Calibration.
- g. Volume at the reference temperature of 27°C, V27 from the apparent mass of water.
- h. The Std.used for calibration are calibrated and Traceable to National/International Standards.

NETRAVATI N G CALIBRATION ENGINEER

Calibrated By

Bangalore

Authorized Signatory

MANJUNATH CHANDAKI DY TECHNICAL MANAGER



# 98/50/1, 1st Floor, 2nd Main Road, Industrial Town, Rajajinagar, Bangalore - 560 044. Ph.: 080 42021540, E-mail: rcplbangalore@gmail.com, www.relteccalibration.com



NABL Accredited Calibration Lab as per ISO/IEC 17025:2017

Certificate No.:

### **CALIBRATION CERTIFICATE**

Page 1 of 1

	M/s. PRIMA DIAGNOSTICS,	6. Certificate No:	RCPL/21-22/ML/I3257-04	
1. Customer Name:	No.93, 1st A Main Road, 1st Phase, Sec.A, Yelahanka New Town, Bangalore-560064	7.ULR No:	CC221521000007904F	
	Telananka New Town, bangalore-300004	8.Date of Issue:	28-08-2021	
2. SRF No:	13257	9.Date of Calibration:	28-08-2021	
3. Date of SRF/Receipt:	25-08-2021	10. Next Cal Due:	27-02-2022	
4. Discipline:	Mechanical Calibration	11. Calibration SOP no:	RCPL/SOP/ML-21	
5. Calibrated At:	Mass & Volume Lab	12. Condition of DUC on Receipt:	Good	
Ambient Pressure: 912.  14. DUC DETAILS:	6hpa, Water Temperature: 19.7°C			
	Micropipette	Serial. No:	071802188	
Nomenclature :	Micropipette Varipette a &	Serial. No: Code/ID No :	071802188 PD/YH/LGI/MP-04	
Nomenclature : Make & Model :	1.1		0.100	
Nomenclature : Make & Model : Range : 15. STANDARD INST	Varipette a & 5-50 ul	Code/ID No:	PD/YH/LGI/MP-04	
Nomenclature : Make & Model : Range :	Varipette a & 5-50 ul	Code/ID No:	PD/YH/LGI/MP-04 1 μl 33604236	
Nomenclature : Make & Model : Range : 15. STANDARD INST	Varipette a & 5-50 µl  RUMENT USED:	Code/ID No : Resolution:	PD/YH/LGI/MP-04 1 μl	
Nomenclature : Make & Model : Range : 15. STANDARD INST Nomenclature:	Varipette a & 5-50 ul  RUMENT USED:  Electronic Semi Micro Balance	Code/ID No : Resolution:  Serial. No:	PD/YH/LGI/MP-04 1 μl 33604236	

#### 16. CALIBRATION RESULTS:

Parameter: Volume

Sl. No.	DUC Value	Standard value	Systematic Error	Permissible Systematic Error ±	Random Error	Permissible Random Error ±	Measurement Uncertainty±
	μl	μl	μl	μl	μl	μl	μΙ
1	10	10.08	-0.08	0.10	0.03	0.08	0.21
2	20	20.09	-0.09	0.20	0.06	0.10	0.21
3	50	49.89	0.11	0.50	0.09	0.20	0.21

#### 17. REMARKS & CONCLUSION:

- a. Reported Values of DUC are Average of 10 Measuring Series.
- b. The Measurement Uncertainty is estimated at a confidence level of 95.45 % with a coverage factor k=2.0.
- c. Calibration certificate issued for Pipette is used for scientific or industrial purpose only.
- d. Calibration of pipette is done as per ISO8655-6 & Permissible Systematic & Random error are given as per ISO 8655-2
- d. Coefficient of cubic thermal expansion (°C-1 × 10-6) of Borosilicate Glass 5.0 is 15 \* 10^-6.
- e. The mesurement data reported is "As found "- Without any Adjustment.
- f. This Certificate refer only to particular item submitted for Calibration.
- g. Volume at the reference temperature of 27°C, V27 from the apparent mass of water.
- h. The Std.used for calibration are calibrated and Traceable to National/International Standards.

NETRAVATI N G

CALIBRATION ENGINEER

Bangalore PV

Authorized Signatory

NAGAPPA KANNUR DY TECHNICAL MANAGER



# 98/50/1, 1st Floor, 2nd Main Road, Industrial Town, Rajajinagar, Bangalore - 560 044. Ph.: 080 42021540, E-mail: rcplbangalore@gmail.com, www.relteccalibration.com



Certificate No.: CC-2215

NABL Accredited Calibration Lab as per ISO/IEC 17025:2017

### **CALIBRATION CERTIFICATE**

Page 1 of 1

	M/s. PRIMA DIAGNOSTICS,	6. Certificate No:	RCPL/21-22/ML/I3257-03
1. Customer Name:	No.93, 1st A Main Road, 1st Phase, Sec.A, Yelahanka New Town, Bangalore-560064	7.ULR No:	CC221521000007903F
	Town, bangaiore-500004	8.Date of Issue:	28-08-2021
2. SRF No:	13257	9.Date of Calibration:	28-08-2021
3. Date of SRF/Receipt:	25-08-2021	10. Next Cal Due:	27-02-2022
4. Discipline:	Mechanical Calibration	11. Calibration SOP no:	RCPL/SOP/ML-21
5. Calibrated At:	Mass & Volume Lab	12. Condition of DUC on Receipt:	Good
	AL CONDITION: Temperature: 21.66°C, Humidity: 5 8hpa, Water Temperature: 19.6°C	2.72%RH	
Nomenclature :	Micropipette	Serial. No:	0418011575
Make & Model :	Varipette a &	Code/ID No :	PD/YH/LGI/MP/03
Range :	100-1000 µl	Resolution:	10 μl
15. STANDARD INS	TRUMENT USED:		
Nomenclature:	Electronic Semi Micro Balance	Serial. No:	33604236
The second secon			

#### 16. CALIBRATION RESULTS:

Parameter: Volume

Make/Model:

Certificate No:

Range:

Sl. No.	DUC Value	Standard value	Systematic Error	Permissible Systematic Error ±	Random Error	Permissible Random Error ±	Measurement Uncertainty±
	μl	μl	μl	μΙ	μl	μl	μ1
1	100	100.66	-0.66	0.80	0.09	0.30	0.21
2	500	500.76	-0.76	4.00	0.15	1.50	0.61
3	1000	1006.40	-6.40	8.00	0.18	3.00	0.61

Cal Due Date:

Traceable to:

#### 17. REMARKS & CONCLUSION:

a. Reported Values of DUC are Average of 10 Measuring Series.

Sartorius / CPA225D

TVCSPL 20/09/818-02

0 to 220g

- $b. \ \ The \ Measurement \ Uncertainty \ is \ estimated \ at \ a \ confidence \ level \ of \ 95.45 \ \% \ with \ a \ coverage \ factor \ k=2.0.$
- c. Calibration certificate issued for Pipette is used for scientific or industrial purpose only.
- d. Calibration of pipette is done as per ISO8655-6 & Permissible Systematic & Random error are given as per ISO 8655-2
- d. Coefficient of cubic thermal expansion (°C-1 × 10-6) of Borosilicate Glass 5.0 is 15 \* 10^-6.
- e. The mesurement data reported is "As found "- Without any Adjustment.
- f. This Certificate refer only to particular item submitted for Calibration.
- g. Volume at the reference temperature of 27°C, V27 from the apparent mass of water.
- h. The Std.used for calibration are calibrated and Traceable to National/International Standards.

Calibrated By

NETRAVATI N G CALIBRATION ENGINEER Authorized Signatory

16-09-2021

Pvt. Ltd., Chennai

True Value Calibration Services

NAGAPTA KANNUR DY TECHNICAL MANAGER



# 98/50/1, 1st Floor, 2nd Main Road, Industrial Town, Rajajinagar, Bangalore - 560 044. Ph.: 080 42021540, E-mail: rcplbangalore@gmail.com, www.relteccalibration.com



NABL Accredited Calibration Lab as per ISO/IEC 17025:2017

Certificate No.: CC-2215

### **CALIBRATION CERTIFICATE**

Page 1 of 1

	M/s.Prima Diagnostics,	6. Certificate No:	RCPL/20-21/TH/I2576-10
1.Customer Name:	Yelahanka , C/o.Gururaj Govind Life Science LLP,	7.ULR No:	CC221520000008278F
	No.93,1st A Main Road, 1st Phase, Sec A Yelahanka New Town, Bangalore-56006		03-11-2020
2.SRF No:	12576	9.Date of Calibration:	28-10-2020
3.Date of SRF/Receipt:	27-10-2020	10.Next Cal Due:	27-10-2021
4.Discipline:	Thermal Calibration	11.Calibration SOP No:	RCPL/SOP/TH-13
5.Calibrated At:	Inhouse Thermal Lab	12.Condition of DUC on Receipt:	Good
13.ENVIRONMENTAL C	ONDITION: Temperature: 25±4°C/Humidi	ity: 30 to 75% R.H	
	ONDITION: Temperature: 25±4°C / Humida	ity: 30 to 75%R.H	
14.DUC DETAILS:	ONDITION: Temperature: 25±4°C/Humida  Digital Thermohygrometer	ity: 30 to 75%R.H  Serial No:	
13.ENVIRONMENTAL C 14.DUC DETAILS: Nomenclature : Make & Model :			 PD-YH/LGI/TM/06
14.DUC DETAILS: Nomenclature : Make & Model :	Digital Thermohygrometer	Serial No :	 PD-YH/LGI/TM/06 0.1° C & 1% R.H.
14.DUC DETAILS: Nomenclature : Make & Model : Range :	Digital Thermohygrometer  ACETEQ & KT-908  -50 to 70°C & 10 to 99%R.H.	Serial No : ID No:	
14.DUC DETAILS: Nomenclature : Make & Model : Range : 15. STANDARD INSTRU	Digital Thermohygrometer  ACETEQ & KT-908  -50 to 70°C & 10 to 99%R.H.	Serial No : ID No:	
14.DUC DETAILS: Nomenclature : Make & Model : Range : 15. STANDARD INSTRU Nomenclature:	Digital Thermohygrometer  ACETEQ & KT-908  -50 to 70°C & 10 to 99%R.H.  MENT USED:	Serial No : ID No: Resolution:	0.1° C & 1% R.H.
14.DUC DETAILS: Nomenclature :	Digital Thermohygrometer  ACETEQ & KT-908  -50 to 70°C & 10 to 99%R.H.  MENT USED:  Digital Temp.& Humidity Meter	Serial No :  ID No: Resolution:  Serial No:	0.1° C & 1% R.H. S.034364

Sl No.	SET VALUE	Standard Meter Reading	DUC Reading	Error Obtained	Measurement Uncertainty ±
		•	Tempera	ature	
	°C	°C	°C	°C	°C
1	15	14.72	14.4	-0.32	0.34
2	30	29.61	29.2	-0.41	0.34
3	50	49.52	48.9	-0.62	0.34
			Relative H	ımidity	0.02
	%RH	%RH ·	%RH	%RH	%RH
4	30	30.21	31	0.79	1.31
5	60	60.72	62	1.28	1.31
6	95	95.86	98	2.14	1.31

#### 17.REMARKS & CONCLUSION:

- Reported Values of STD & DUC are Average of 5 Trials.
- b. The Measurement Uncertainty is estimated at a confidence level of 95.45 % with a coverage factor k=2.00.

c. Calibration Points & Due date is given as per Customer Request.

Measurement results are Traceable to National Standard.

Calibrated By

PAVITHRA P M CALIBRATION ENGINEER Authorized Signatory

ARUNKUMAR QUALITY MANAGER

FM-GL-29

Bangalor



## SHRIRAM INSTITUTE FOR INDUSTRIAL RESEARCH

(A unit of Shriram Scientific and Industrial Research Foundation)

14 - 15, Sadarmangala Industrial Area, Whitefield Road,

Bengaluru - 560048

An ISO - 9001, 14001 & OHSAS 18001 Certified Institute

Website: www.shriraminstitute.org

E-mail id : customercare@shriraminstitute-bangalore.org

**CALIBRATION CERTIFICATE** 

NO: C2/0000024088

Issued To

Client Code : (BANGO1R0966)

RELTEC CALIBRATION PVT LTD NO.98/50/1,1ST FLOOR,2ND MAIN ROAD,

INDUSTRIAL TOWN, RAJAJINAGAR,

Date

: 15-11-2019

Job No

: 1911-2-B301-251 : RG1920/2/1340

Booking No Booking Date

: 13-11-2019

Customer Ref No Customer Ref Dt : TEST REQUEST

ULR NO

CC208319100002116F



BANGALORE KARNATAKA-560044 Kind Attn MR ARUNKUMAR

Sample Description: One sample described as Digital Temperature Humidity Meter with the following details was received for calibration.

Date of receipt	Date of calibration	Next calibration Due
13.11.2019	15.11.2019	14.11.2020

1.Description of the Item

Nomenclature: Digital Temperature Humidity Meter

Make/Model: Lutron / HT-315

Sl.No/ID.No.: S.034364 / RCPL/TA/ 218

Range/Resolution : Temperature: 6 °C to 50 °C / 0.01 °C

Humidity:15 % to 95 % RH / 0.01 %RH

Condition on receipt: Good

Calibration Procedure Reference : CPM-T/05

2.Environmental conditions

Temperature:(25±3) °C

Humidity:(45 to 75) % RH

3.Major Equipment used during calibration with traceability

SI.No	Nomenclature	Make/Model/Sl.No	Traceability	Cert. No. & Cal validity
1	Platinum Resistance	Hart Scientific / 5628 /	Shriram Institute-	INT - 415 &
	Thermometer	1355	Bangalore	11.02.2020
2	Chub E-4 Thermometer Readout	Fluke / 1529 / A87766	ETDC - Bangalore	CR/NCAL/50557 & 11.06.2020
3	Humidity & Temperature	Vaisala / HMP 77 /	Autocal Solutions	C1990212/T/01
	Transmitter with Sensor	B4540011	Pvt.LtdThane	& 13.09.2020

Measurements are traceable to National / International standards

Ong.

AUTHORISED SIGNATORY
EMPLOYEE CODE: 1215

CAL-01(Rev-03)

1/2

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as or any other copies should be suffranticated by reference to the original report.

Phone: 080 - 28410165, 28410166, 28410167

Fax: 91-80-28410189

SRI(B)-C1 (New 03)



# 98/50/1, 1st Floor, 2nd Main Road, Industrial Town, Rajajinagar, Bangalore - 560 044. Ph.: 080 42021540, E-mail: rcplbangalore@gmail.com, www.relteccalibration.com



Certificate No.: CC-2215

NABL Accredited Calibration Lab as per ISO/IEC 17025:2017

### **CALIBRATION CERTIFICATE**

Page 1 of 1

		M/s.Prima Diagnostic		6.Certificate No:	RCPL/20-21/TH/I2576-17
1.Customer Name:		Yelahanka, C/o.Guru Science LLP,	raj Govind Life	7.ULR No:	CC221520000008297F
		No.93,1st A Main Road Yelahanka New Town	l, 1st Phase, Sec A, Bangalore-560064	8.Date of ISSUE:	03-11-2020
2.SRF No	o:	12576		9.Date of Calibration:	29-10-2020
3.Date o	f SRF/Receipt:	27-10-2020	27-10-2020		28-10-2021
4.Discip	line:	Thermal Calibration		11.Calibration SOP No:	RCPL/SOP/TH-13
5.Calibrated At: Inhouse Thermal Lab			12.Condition of DUC on Receipt:	Good	
	RONMENTAL CO DETAILS:	ONDITION: Temperature			
Nomenc	lature :	Digital Thermohygror		Serial No :	
Make &	Model:	ITI Instrumentics & HTC-2		ID No:	PD-YH/LGI/TM/01
Range:	12	-10 to 50°C & 0 to 100%R.H.		Resolution:	0.1° C & 1% R.H.
15. STA	NDARD INSTRUM	MENT USED:			
Nomenc	lature:	Digital Temp.& Humi	dity Meter	Serial No:	S.034364
Make &	Model:	LUTRON & HT-315		Cal Due Date:	14/11/2020
Range:		0 to 50°C & 10 to 95%RH C2/0000024088		Traceable to:	Shriram Institute, Bangalore
Certifica	ate No:			Tracenore to.	on the state of th
	IBRATION RESUI ter: Temperature &			ty P	
Sl No.	SET VALUE	Standard Meter Reading	DUC Reading	Error Obtained	Measurement Uncertainty ±
			Tem	perature	
	°C	°C	°C	°C	°C
1	15	14.79	14.6	-0.19	0.34
2	30	29.66	29.3	-0.36	0.34
3	50	49.54	49.1	-0.44	0.34
			Relativ	e Humidity	
	%RH	%RH	%RH	%RH	%RH
4	30	29.85	29	-0.85	1.31

#### 17.REMARKS & CONCLUSION:

95

6

- Reported Values of STD & DUC are Average of 5 Trials.
- The Measurement Uncertainty is estimated at a confidence level of 95.45 % with a coverage factor k=2.00.

92

Calibration Points & Due date is given as per Customer Request. libratio

59.62

94.17

Measurement results are Traceable to National Standard.

CALIBRATION ENGINEER

Authorized Signatory

1.31

1.31

-1.62

-2.17

ARUNKUMAR **QUALITY MANAGER** 

FM-GL-29

Bangalore

# SHRIRAM INSTITUTE FOR INDUSTRIAL RESEARCH



(A unit of Shriram Scientific and Industrial Research Foundation)

14-15, Sadarmangala Industrial Area, Whitefield Road, Bengaluru - 560048

An ISO - 9001, 14001 & OHSAS 18001 Certified Institute

Website: www.shriraminstitute.org E-mail id : customercare@shriraminstitute-bangalore.org

**CALIBRATION CERTIFICATE** 

NO: C2/0000024088

Client Code: (BANG01R0966) RELTEC CALIBRATION PVT LTD

NO.98/50/1,1ST FLOOR,2ND MAIN ROAD, INDUSTRIAL TOWN, RAJAJINAGAR

Date

: 15-11-2019

Job No Booking No : 1911-2-B301-251 : RG1920/2/1340

Booking Date Customer Ref No. Customer Ref Dt

: 13-11-2019 : TEST REQUEST

ULR NO

BANGALORE KARNATAKA-560044 Kind Attn MR ARUNKUMAR 13-11-2019 CC208319100002116F



Sample Description: One sample described as Digital Temperature Humidity Meter with the following details was received for calibration.

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Nomenclature: Digital Temperature Humidity Meter

Make/Model: Lutron / HT-315

SI.No/ID.No.: S.034364 / RCPL/TA/ 218

Range/Resolution: Temperature: 6 °C to 50 °C / 0.01 °C

Humidity:15 % to 95 % RH / 0.01 %RH

Condition on receipt: Good

Calibration Procedure Reference : CPM-T/05

2.Environmental conditions

Temperature:(25±3) °C

Humidity:(45 to 75) % RH

3.Major Equipment used during calibration with traceability

SI.No	Nomenclature	Make/Model/Sl.No	Traceability	Cert. No. & Cal. validity
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2	Chub E-4 Thermometer Readout	Fluke / 1529 / A87766	ETDC - Bangalore	CR/NCAL/50557 & 11.06.2020
3	Humidity & Temperature	Vaisala / HMP 77 /	Autocal Solutions	C1990212/T/01
	Transmitter with Sensor	B4540011	Pvt.LtdThane	& 13.09.2020

Measurements are traceable to National / International standards

any other copies should be suffrenticated by reference to the original report.

AUTHORISED SIGNATORY EMPLOYEE CODE:(

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Phone: 080 - 28410165, 28410166, 28410167

Fax: 91-80-28410189

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