PRIMA DIAGNOSTICS

LIST OF EQUIPMENT

S No.	Name of equipment	Serial Number	Date of installation	Model No.	Manufacturer Name	Last date of calibration	Due date of calibration	Present working status
1.	Micropipette (1-10 μL)	PD/WF/LGI/MP/02 PW15009	19.02.18	Thermo Scientific Finnpipette F3	Thermo Scientific	09.07.21	08.01.22	In Use
2.	Micropipette (10-100 μL)	PD/LG/MP/01 OW12061	19.02.18	Thermo Scientific Finnpipette F3	Thermo Scientific	09.07.21	08.01.22	In Use
3.	Micropipette (100-1000 μL)	PD-WF/LGI/MP/03 OW14216	19.02.18	Thermo Scientific Finnpipette F3	Thermo Scientific	09.07.21	08.01.22	In Use

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Reltec Calibration Pvt. Ltd.

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



17025:2017 Certificate No.: CC-2215

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

CALIBRATION CERTIFICATE

Page 1 of 1

1. Customer Name:	M/s.Prima Diagnostics Gururaj Govind Life Sciences,	6. Certificate No:	RCPL/21-22/ML/I3106-02	
	Whitefield LLP, Varthur Whitefield Main Road, Siddapura Village, Bangalore-560066	7.ULR No:	CC221521000005802F	
		8.Date of Issue:	12-07-2021	
2. SRF No:	13106	9.Date of Calibration:	09-07-2021	
3. Date of SRF/Receipt:	09-07-2021	10. Next Cal Due:	08-01-2022	
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: 20.36°C, Humidity: 55.14%RH

Ambient Pressure: 911.8hpa, Water Temperature: 19.8°C

14. DUC DETAILS:

Nomenclature :	Micro Pipette	Serial. No:	PW15009	
Make & Model :	ThermoScientific & Finnpipette F3	Code/ID No :	PD/WF/LGI/MP/02	
Range:	1-10 µl	Resolution:	0.02 μl	
i .				

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	T	True Value Calibration Services Pvt.
Certificate No:	TVCSPL 20/09/818-02	Traceable to:	Ltd., Chennai

16. CALIBRATION RESULTS:

Parameter: Volume

SI. No.	DUC Value	Standard value	Systematic Error	Permissible Systematic Error ±	Random Error	Permissible Random Error ±	Measurement Uncertainty±
	μl	μl	μl	μl	μl	μl	μI
1	10.00	9.98	0.02	0.10	0.06	0.08	0.17

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.
- $g.\ \ Volume\ at\ the\ reference\ temperature\ of\ 27^{\circ}C,\ V27\ from\ the\ apparent\ mass\ of\ water.$
- h. The Std.used for calibration are calibrated and Traceable to National/International Standards.

Calibrated By

CALIBRATION ENGINEER

Bangalore S

Authorized Signatory

NAGAPPA KANNUR DY. TECHNICAL MANAGER

FM-GL-67



Reltec Calibration Pvt. Ltd.

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 Gururaj Govind Life	6. Certificate No:	RCPL/21-22/ML/I3106-01
1. Customer Name:	Sciences, Whitefield LLP, Varthur Whitefield Main Road,	7.ULR No:	CC221521000005801F
	C: 11 V:11 Pancaloro 560066	8.Date of Issue:	12-07-2021
2. SRF No:	I3106	9.Date of Calibration:	09-07-2021
3. Date of SRF/Receipt:	09-07-2021	10. Next Cal Due:	08-01-2022
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
14. DUC DETAILS:	2.6hpa, Water Temperature: 19.8°C		
Nomenclature :	N: D' III	Serial. No:	DD /I C /MD /01
	Micro Pipette		PD/LG/MP/01
Make & Model :	Micro Pipette ThermoScientific & Finnpipette F3	Code/ID No:	OW12061
Make & Model : Range :	•	Code/ID No : Resolution:	
Range :	ThermoScientific & Finnpipette F3 10 to 100 μl		OW12061
Range : 15. STANDARD IN	ThermoScientific & Finnpipette F3		OW12061
Range :	ThermoScientific & Finnpipette F3 10 to 100 µl STRUMENT USED:	Resolution:	OW12061 0.2 μl
Range : 15. STANDARD IN Nomenclature:	ThermoScientific & Finnpipette F3 10 to 100 μl STRUMENT USED: Electronic Semi Micro Balance	Resolution: Serial. No:	OW12061 0.2 μl 33604236

16. CALIBRATION RESULTS:

Parame	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	10.0	10.09	-0.09	0.10	0.03	0.08	0.21	
2	50.0	49.97	0.03	0.50	0.06	0.20	0.21	
2	50.0	17.77	0.00				0.24	
3	100.0	99.90	0.10	0.80	0.09	0.30	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 $-1 \times 10-6$) 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.

CALIBRATION ENGINEER



Authorized Signatory

NACAPPA KANNUR DY TECHNICAL MANAGER

FM-GL-67



Reltec Calibration Pvt. Ltd.

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

CC-2215

CALIBRATION CERTIFICATE

Page 1 of 1

1. Customer Name:	M/s.Prima Diagnostics Gururaj Govind Life Sciences,	6. Certificate No:	RCPL/21-22/ML/I3106-03
	Whitefield LLP, Varthur Whitefield Main Road, Siddapura Village, Bangalore-560066	7.ULR No:	CC221521000005803F
	0 . 0	8.Date of Issue:	12-07-2021
2. SRF No:	13106	9.Date of Calibration:	09-07-2021
3. Date of SRF/Receipt:	09-07-2021	10. Next Cal Due:	08-01-2022
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: 20.47°C, Humidity: 53.36%RH

Ambient Pressure: 910.8hpa, Water Temperature: 19.8°C

14. DUC DETAILS:

Nomenclature :	Micropipette	Serial. No:	OW14216
Make & Model :	ThermoScientific & Finnpipette F3	Code/ID No :	PD-WF/LGI/MP/03
Range:	100-1000 μ1	Resolution:	1 μl

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

I mimi	trumeter, 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	100	100.55	-0.55	0.80	0.09	0.30	0.21
2	500	501.76	-1.76	4.00	0.12	1.50	0.61
3	1000	1004.40	-4.40	8.00	0.18	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.

NETRAVATIN G CALIBRATION ENGINEER

alibrated By



Authorized Signatory

NAGAPPA KANNUR DY TECHNICAL MANAGER

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