

CERTIFICATE OF CALIBRATION



No. 301/A, 9th Main Road, 3rd Cross, Rajiv Gandhi Nagar, J.B. Kaval, Nandhini Layout Post, Bangalore - 560 096. Ph: 080-23377266, Mob: 9986586789 / 9632221171 / 9964308118 | Email: info@viplgroup.com Web: www.viplgroup.com

NABL Accredited Calibration Lab as per ISO/IEC 17025 : 2017 With vide Certificate No: CC-2473

Page 1 of 2

1 Name and Address of the Customer : M/s. RENUKA DIAGNOSTICS

Near Maharana Pratap Chowk, Ring Road No.2,

Gairav Path Bilaspur , Chhattisgarh . (Through Quality International)

2 Customer Reference

2.1 ULR No. : CC247323100001048F

2.2 SRF No. : 662

 2.3 Certificate No.
 : VI/22-23/6625-01

 2.4 Date Of Receipt
 : 09-01-2023

2.5 DC No. / DC Date : QI/DC/2023/01-002 & 04-01-2023

 2.6 Format No.
 : VI-FRM-ME-073

 2.7 Date Of Issue
 : 09-01-2023

3 Details Of Device Under Calibration(DUC).

 3.1 Nomenclature
 : MicroPipette

 3.2 Make.
 : Meri Lette

 3.3 Range
 : 100 - 1000 µl

 3.4 SL No.
 : NG465891

3.5 DUC Condition : Satisfactory

3.6 Calibration Procedure No. : SOP-16-71 Based On ISO 8655-6:2002 E

3.7 No.of Pages : 2 **3.8** Calibration Date : **09-01-2023**

3.9 Calibration Due : 08-01-2024
3.10 Calibration done at : VI Volumetric Lab

3.11 Discipline : Mechanical (Mass & volume)

4 Environmental Condition

Temperature 20.1 - 20.3 °C Humidity 49.5 - 49.7 %Rh

5 Standards Used for calibration

SI. No.	Nomenclature	Make & Model	SI. No	Range	Traceable to /Cert.	Validity
1	Digital Weighing Balance	RADWAG/MYA5.4Y	544953	0.1mg to 5g	VI/22-23/INT-ME-121	15-09-2023
2	E1 Class Weights	LCGC	VI-E1-ME-001	200g to 1mg	TVCSPL22/03/527-01	30 - 03 - 2025

6 Note:

- 6.1. The Calibration Certificate relates only to the above DUC
- 6.2. Publication or reproduction of this Certificate in any form other than by complete set of the whole report & in the language, written, is not permitted without the written consent of VI Lab..
- 6.3. Corrections/erasing, invalidate the Calibration Certificate.
- 6.4. Calibration of the DUC are traceable to National standards/International Standards
- 6.5. Any error in this Certificate should be brought to our knowledge within 30 days from the date of this Cert.
- 6.6. Results Reported are valid at the time of and under the stated conditions of measurements.
- 6.7. The usage of NABL symbol is as per NABL guideline given in NABL-133.

Califrated By Checked By

Ranjith kumar P P. Santhoch Kumar (Calibration Engineer) (Lab- In-Charge)



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Range:

100 - 1000 µl

Results:

Range	Cal Point	Volume observed	Expanded Uncertainty ±	
	μl	μl	μl	
	100	100.563	0.62	
100 - 1000 µl	500	500.895	3.10	
	1000	1001.241	6.20	

Note:

- 1. Visual Inspection: Found Well.
- 2. Tripple Distilled water is used to Calibrate the MicroPipette.

Conclusion /Remarks:

- 1. Ref. standard used are traceable to National/International Standard
- 2. The Expanded Uncertainity of associated with measurement at approximate 95.45% confidence level with coverage factor k=2

Calibrated By

Checked By

Ranjith Immar P (Calibration Engineer) P. Santhosh Kuma (Lab- In-Charge) Authorised By

Gargadhar. C. S.



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Near Maharana Pratap Chowk , Ring Road No.2 ,

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2 Customer Reference

2.1 ULR No. : CC247323100001050F

2.2 SRF No. : 6625

2.3 Certificate No. : VI/22-23/6625-02
2.4 Date Of Receipt : 09-01-2023

2.5 DC No. / DC Date : QI/DC/2023/01-002 & 04-01-2023

2.6 Format No. : VI-FRM-ME-073
2.7 Date Of Issue : 09-01-2023

3 Details Of Device Under Calibration(DUC).

3.1 Nomenclature : Micro Pipette
3.2 Make : Meri Lette

 3.3 Range
 : 5 - 50 μl

 3.4 SL No.
 : CE262897

 3.5 DUC Condition
 : Satisfactory

3.6 Calibration Procedure No. : **SOP-16-71 Based On ISO 8655-6:2002 E**

 3.7 No.of Pages
 : 2

 3.8 Calibration Date
 : 09-01-2023

3.9 Calibration Due : 08-01-2024
3.10 Calibration done at : VI Volumetric Lab

3.11 Discipline : Mechanical (Mass & volume)

4 Environmental Condition

Temperature 20.4 - 20.2 °C Humidity 52.1 - 52.2 %Rh

5 Standards Used for calibration

SI. No.	Nomenclature	Make & Model	SI. No	Range	Traceable to /Cert.	Validity
1	Digital Weighing Balance	RADWAG/MYA5.4Y	544953	0.1mg to 5g	VI/22-23/INT-ME-121	15-09-2023
2	E1 Class Weights	LCGC	VI-E1-ME-001	1mg to 200g	TVCSPL22/03/527-01	30 - 03 - 2025

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Checked By

Ranjith Kumar P (Calibration Engineer)

P. Santhosh Kumar (Lab- In-Charge)





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Certificate No:

VI/22-23/6625-02

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Range:

5 - 50 µl

Results:

Range	Cal Point	Volume observed	Expanded Uncertainty
	μl	μΙ	μl
	5	5.369	0.02
5 - 50 µl	20	20.647	0.04
	50	50.873	0.20

Note:

- 1. Visual Inspection : Found Well.
- 2. Tripple Distilled water is used to Calibrate the MicroPipette.

Conclusion /Remarks:

- 1. Ref. standard used are traceable to National/International Standard
- 2. The Expanded Uncertainity of associated with measurement at approximate 95.45% confidence level with coverage factor k=2

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Checked By

Ranjith kumar P (Calibration Engineer)

(Lab-In-Charge)

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: M/s. RENUKA DIAGNOSTICS

Near Maharana Pratap Chowk, Ring Road No.2,

Gairav Path Bilaspur , Chhattisgarh . (Through Quality International)

2 Customer Reference

2.1 ULR No.

: CC247323100001050F

2.2 SRF No.

: 6625

2.3 Certificate No.

: VI/22-23/6625-03

2.4 Date Of Receipt

: 09-01-2023

2.5 DC No. / DC Date

: QI/DC/2023/01-002 & 04-01-2023

2.6 Format No.

: VI-FRM-ME-073

2.7 Date Of Issue : 09-01-2023

3 Details Of Device Under Calibration(DUC).

3.1 Nomenclature

: Micro Pipette

3.2 Make .

: Finnipipette

3.3 Range

: 50 µl Fixed

3.4 SL No.

: HA11794

3.5 DUC Condition

: Satisfactory

3.6 Calibration Procedure No.

: SOP-16-71 Based On ISO 8655-6:2002 E

3.7 No.of Pages

: 2

3.8 Calibration Date

: 09-01-2023

3.9 Calibration Due

: 08-01-2024 : VI Volumetric Lab

3.10 Calibration done at3.11 Discipline

: Mechanical (Mass & volume)

4 Environmental Condition

Temperature

20.4 - 20.2 °C

Humidity

52.1 - 52.2 %Rh

5 Standards Used for calibration

SI. No.	Nomenclature	Make & Model	SI. No	Range	Traceable to /Cert. No.	Validity
1	Digital Weighing Balance	RADWAG/MYA5.4Y	544953	0.1mg to 5g	VI/22-23/INT-ME-121	15-09-2023
2	E1 Class Weights	LCGC	VI-E1-ME-001	1mg to 200g	TVCSPL22/03/527-01	30 - 03 - 2025

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Certificate No:

VI/22-23/6625-03

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Range:

50 µl Fixed

Results:

Range	Cal Point	Volume observed	Expanded Uncertainty ±
	μl	μl	μΙ
	50	50.875	0.20
50 μl Fixed	50	50.876	0.20
	50	50.873	0.20

Note:

- 1. Visual Inspection: Found Well.
- 2. Tripple Distilled water is used to Calibrate the MicroPipette.

Conclusion /Remarks:

- 1. Ref. standard used are traceable to National/International Standard
- 2. The Expanded Uncertainity of associated with measurement at approximate 95.45% confidence level with coverage factor k=2

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2 Customer Reference

2.1 ULR No.

: CC247323100001051F

2.2 SRF No.

: 6625

2.3 Certificate No.

: VI/22-23/6625-04

2.4 Date Of Receipt

: 09-01-2023

2.5 DC No. / DC Date

: QI/DC/2023/01-002 & 04-01-2023

 2.6 Format No.
 : VI-FRM-ME-073

 2.7 Date Of Issue
 : 09-01-2023

3 Details Of Device Under Calibration(DUC).

3.1 Nomenclature

: MicroPipette

3.2 Make.

: Thermo Electron

3.3 Range

: 100 µl Fixed

3.4 SL No.

: W23784

3.5 DUC Condition

: Satisfactory

3.6 Calibration Procedure No.

: SOP-16-71 Based On ISO 8655-6:2002 E

3.7 No.of Pages

: 2

3.8 Calibration Date

: 09-01-2023

3.9 Calibration Due

: 08-01-2024

3.10 Calibration done at

: VI Volumetric Lab

3.11 Discipline
4 Environmental Condition

Temperature

20.1 - 20.3 °C

Humidity

49.5 - 49.7 %Rh

5 Standards Used for calibration

SI. No.	Nomenclature	Make & Model	SI. No	Range	Traceable to /Cert.	Validity
1	Digital Weighing Balance	RADWAG/MYA5.4Y	544953	0.1mg to 5g	VI/22-23/INT-ME-121	15-09-2023
2	E1 Class Weights	LCGC	VI-E1-ME-001	200g to 1mg	TVCSPL22/03/527-01	30 - 03 - 2025

: Mechanical (Mass & volume)

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Certificate No:

VI/22-23/6625-04

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Range:

100 µl Fixed

Results:

Range	Cal Point	Volume observed	Expanded Uncertainty ±
	μΙ	μl	μΙ
	100	100.567	0.62
100 µl Fixed	100	100.565	0.62
	100	100.563	0.62

Note:

- 1. Visual Inspection: Found Well.
- 2. Tripple Distilled water is used to Calibrate the MicroPipette.

Conclusion /Remarks:

- 1. Ref. standard used are traceable to National/International Standard
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