



COMMITTED TO THE
CUSTOMER SINCE - 1996

Vaidyanatheshwara Instruments



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. CENTRAL AYURVEDA RESEARCH INSTITUTE (CARI)
#12, Uttahalli Manavarthi Kaval , Uttarahalli Hobli ,
Kanakapura Main Road Thalaghattapura Post Bangalore -560 109.

2 Customer Reference

2.1 ULR No : CC247322100010630F
2.2 SRF No : 2059
2.3 Certificate No. : VI/22-23/2059-04
2.4 Format No. : VI-FRM-ME-105
2.5 Dc No & Dc Date : 313 & 19-08-2022
2.6 Receipt Date : 20-08-2022
2.7 Date Of Issue : 23-08-2022

3 Details Of Device Under Calibration(DUC).

3.1 Nomenclature : Micro Pipette
3.2 Make : Accupipet
3.3 Range : 10 - 100 µl
3.4 SI.No. : V42988
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 : 23-08-2022
3.9 Calibration Due : 22-08-2023
3.10 Calibration done at : VI Volumetric Lab
3.11 Discipline : Mechanical (Mass & volume)

4 Environmental Condition

Temperature 20.1 °C Humidity 52 %Rh

5 Standards Used for calibration

Sl. No.	Nomenclature	Make & Model	Sl. No	Range	Traceable to /Cert. No.	Validity
1	Digital Weighing Balance	RADWAG/MYA5.4Y	544953	0.1mg to 5g	VI/21-22/INT-ME-121	17-09-2022
2	E1 Class Weights	LCGC	VI-E1-ME-001	200g to 1mg	TVCSP22/03/527-01	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 guidelines given in NABL-133.

Calibrated By :
Ranjith Kumar P.
(Calibration Engineer)

Checked By :
P. Sarithesri Kumar
(Lab- In-Charge)

Authorized By :
Gangadhar C.B.
(Authorized Signatory)

NOTE:

- The Estimated uncertainty of measurement associated with results is calculated at a confidence level of approximately 95.45% with a coverage factor of $k = 2$.
- The Standard used is traceable to National Standards. The certificate may not be produced other than in full, except with prior written approval of the issuing authority.
- The Recalibration interval should be determined based on the user's requirements.
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Certificate No: VI/22-23/2059-04

Page 2 of 2

Range: 10 - 100 µl

Results:

Range	Cal Point	Volume observed	Expanded Uncertainty ±
	µl	µl	µl
10 - 100 µl	10	10.234	0.03
	50	50.271	0.20
	100	100.376	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
2. The Expanded Uncertainty of associated with measurement at approximate 95.45% confidence level with coverage factor k=2

Calibrated By

Ranjith Kumar P
(Calibration Engineer)

Checked By

P. Santosh Kumar
(Lab- In-Charge)



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2 Customer Reference
2.1 ULR No : CC247322100010627F
2.2 SRF No : 2059
2.3 Certificate No. : VI/22-23/2059-01
2.4 Format No. : VI-FRM-ME-105
2.5 Dc No & Date : 313 & 19-08-2022
2.6 Receipt Date : 20-08-2022
2.7 Date Of Issue : 23-08-2022

3 Details Of Device Under Calibration(DUC).
3.1 Nomenclature : MicroPipette
3.2 Make / Model : Erba MannhEim
3.3 Range : 100 - 1000 µl
3.4 Sl.No. : DY07536
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 : 23-08-2022
3.9 Calibration Due : 22-08-2023
3.10 Calibration done at : VI Volumetric Lab
3.11 Discipline : Mechanical (Mass & volume)

4 Environmental Condition
Temperature 20.4 °C Humidity 51 %Rh

5 Standards Used for calibration

Sl. No.	Nomenclature	Make & Model	Sl. No	Range	Traceable to /Cert. No.	Validity
1	Digital Weighing Balance	RADWAG/MYA5.4Y	544953	0.1mg to 5g	VI/21-22/INT-ME-121	17-09-2022
2	E1 Class Weights	LCGC	VI-E1-ME-001	200g to 1mg	TVCSPL22/03/527-01	30 - 03 - 2025

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Ranjith Kumar P
(Calibration Engineer)

Checked By

P. Santosh Kumar
(Lab- In-Charge)



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Certificate No: VI/22-23/2059-01

Page 2 of 2

Range: 100 - 1000 µl

Results:

Range	Cal Point	Volume observed	Expanded Uncertainty ±
	µl	µl	µl
100 - 1000 µl	100	100.862	0.62
	500	500.987	3.10
	1000	1001.735	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 Uncertainty of associated with measurement at approximate 95.45% confidence level with coverage factor k=2

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- 2.2 SRF No : 2059
- 2.3 Certificate No. : VI/22-23/2059-02
- 2.4 Format No. : VI-FRM-ME-105
- 2.5 Dc No & Date : 313 & 19-08-2022
- 2.6 Receipt Date : 20-08-2022
- 2.7 Date Of Issue : 23-08-2022

3 Details Of Device Under Calibration(DUC).

- 3.1 Nomenclature : MicroPipette
- 3.2 Make / Model. : Erba MannhEim
- 3.3 Range : 100 - 1000 µl
- 3.4 Sl.No. : 09130708
- 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 : 23-08-2022
- 3.9 Calibration Due : 22-08-2023
- 3.10 Calibration done at : VI Volumetric Lab
- 3.11 Discipline : Mechanical (Mass & volume)

4 Environmental Condition

Temperature 20.4 °C Humidity 51 %Rh

5 Standards Used for calibration

Sl. No.	Nomenclature	Make & Model	Sl. No	Range	Traceable to /Cert. No.	Validity
1	Digital Weighing Balance	RADWAG/MYA5.4Y	544953	0.1mg to 5g	VI/21-22/INT-ME-121	17-09-2022
2	E1 Class Weights	LCGC	VI-E1-ME-001	200g to 1mg	TVCSPL22/03/527-01	30 - 03 - 2025

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Certificate No: VI/22-23/2059-02

Page 2 of 2

Range: 100 - 1000 μ l

Results:

Range	Cal Point	Volume observed	Expanded Uncertainty \pm
	μ l	μ l	μ l
100 - 1000 μ l	100	100.934	0.62
	500	501.687	3.10
	1000	1002.495	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 Uncertainty of associated with measurement at approximate 95.45% confidence level with coverage factor k=2

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2.2 SRF No : 2059
2.3 Certificate No. : VI/22-23/2059-03
2.4 Format No. : VI-FRM-ME-105
2.5 Dc No & Date : 313 & 19-08-2022
2.6 Receipt Date : 20-08-2022
2.7 Date Of Issue : 23-08-2022

3 Details Of Device Under Calibration(DUC).

3.1 Nomenclature : Micro Pipette
3.2 Make /Model. : Erba MannhEim
3.3 Range : 5 - 50 µl
3.4 SL No. : DY16485
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 : 23-08-2022
3.9 Calibration Due : 22-08-2023
3.10 Calibration done at : VI Volumetric Lab
3.11 Discipline : Mechanical (Mass & volume)

4 Environmental Condition

Temperature 20.4 °C Humidity 52 %Rh

5 Standards Used for calibration

Sl. No.	Nomenclature	Make & Model	Sl. No	Range	Traceable to /Cert. No.	Validity
1	Digital Weighing Balance	RADWAG/MYA5.4Y	544953	0.1mg to 5g	VI/21-22/INT-ME-121	17-09-2022
2	E1 Class Weights	LCGC	VI-E1-ME-001	200g to 1mg	TVCSPL22/03/527-01	30 - 03 - 2025

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Certificate No: VI/22-23/2059-03

Page 2 of 2

Range: 5 - 50 µl

Results:

Range	Cal Point	Volume observed	Expanded Uncertainty ±
	µl	µl	µl
5 - 50 µl	5	4.875	0.02
	20	19.637	0.04
	50	49.432	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 Uncertainty of associated with measurement at approximate 95.45% confidence level with coverage factor k=2

Calibrated By

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CC-2144

CERTIFICATE OF CALIBRATION

FT-Q-25		Page 1 of 2	
ULR No. :	CC21442200001494F	Date of Issue :	01-04-2022
Certificate No. :	TVCSP 22/03/527-01	Recom. Due Date :	30-03-2025
Date of Calibration :	31-03-2022	SRF No. :	527
Customer Details :	M/s. Vaidyanatheshwara Instruments, No.30/a, 9th Main Road, 3rd Cross, Rajiv Gandhi Nagar, J.B. Kaval, Nandhinilayout Post, Bangalore -560096.	Calibrated at :	Lab
		Date of Receipt :	29-03-2022
		Cond. On Receipt :	Satisfactory
Details of Test Instrument:			
Description :	Standard Weight Box	Material :	Stainless Steel
Range :	1mg to 200g	Serial No. :	--
Least Count :	--	Id. No. :	VI-E1-ME-001
Make :	LCGC	Accuracy :	E1
Condition :	Used	UUC Assumed Density(d):	(7950±140)kg/m ³ ; k=2
Details of Standard Used :			
Name	Certificate No.	Valid upto	Traceability
E1 Standard Weights	TVCSP 21/05/597-01	04-May-22	TVCSP, Chennai.
Work Instruction :	WI-M-02		
Environmental Details :	Temperature: 21±1.5 °C Relative Humidity: 50±10 % RH [Change in temperature during the calibration was less than ±0.3°C per hour] Thermal Stabilization : 17 hours		

**MECHANICAL CALIBRATION
(MASS)**

Calibration Results

Denomination	Conventional Mass	MPE	Class	Uncertainty
mg	g	±g		±g
1	0.001000	0.000003	E1	0.0000012
2	0.002000	0.000003	E1	0.0000012
2'	0.001999	0.000003	E1	0.0000012
5	0.005002	0.000003	E1	0.0000012
10	0.010000	0.000003	E1	0.0000013
20	0.020002	0.000003	E1	0.0000013
20'	0.020001	0.000003	E1	0.0000013
50	0.050002	0.000004	E1	0.0000013
100	0.100002	0.000005	E1	0.0000014
200	0.200004	0.000006	E1	0.0000015
200'	0.200003	0.000006	E1	0.0000015
500	0.500006	0.000008	E1	0.0000019

Calibrated by :
Vishnu Priyai
Ms K. Vishnu Priyai
(Calibration Engineer)



Authorised by :
Mr. Anand Manoj
(QM & TM)



92, S.R.B Nagar Main Road,
Chennai - 600 099.
Tamil Nadu, India.

Ph: 044-4261 9208 / Cell: 94440 38069 /
97102 22422 / 97102 22522 / 97102 22622
Email : calibration@truevalue.com
www.truevaluecalibration.com
CIN No : U29263TN2015PTC103428



Quality is Assured



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Name and Address of Customer

M/s: VAIDYANATHESHWARA INSTRUMENTS,
No.301/A, 9th Main Road, 3rd Cross, Rajiv Gandhi Nagar,
J.B Kaval, Nandhini Layout Post, Bangalore - 560 096.

Customer Reference

- 2.1 ULR No : CC247321600000424F
- 2.2 SRF No. : INT-ME-121
- 2.3 Certificate No. : VI/21-22/INT-ME-121
- 2.4 Format No. : VI-FRM-ME- 044
- 2.5 Date Of Issue : 18-09-2021

Details Of Device Under Calibration(DUC).

- 3.1 Nomenclature : Digital Weighing Balance
- 3.2 Make / Model : Radwag / MYA5.4Y
- 3.3 SI No. / Id No. : 544953 / VI/ME/DWB/02
- 3.4 Range : 5g
- 3.5 Readability : 0.000001g
- 3.6 DUC Condition : Satisfactory
- 3.7 Calibration Method Used : SOP-16-40
- 3.8 No.of Pages : 3
- 3.9 Calibration Date : 18-09-2021
- 3.10 Calibration Due : 17-09-2022
- 3.11 Calibration done at : VI Mass & Volumetric Lab
- 3.12 Discipline : Mechanical (Mass & volume)

4.0 Environmental Condition:

Temperature 20.1 °C

Humidity

55 %RH

5.0 Standards Used for calibration:

Sl. No.	Nomenclature	Make & Model	ID. No.	Range	Certificate. No.	Validity
1	E1 Class Weight	LCGC	VI-E1-ME-001	1mg to 200g	TVCSPL 19/04/339-01	02 - 04 - 2022

Note:

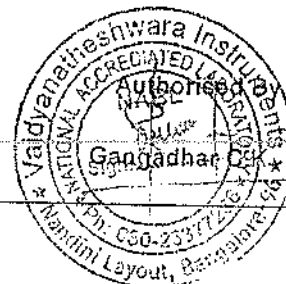
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- 6.5. Any error in this Certificate should be brought to our knowledge within 30 days from the date of this Cert.
- 6.6. Results Reported are valid at the time of and under the stated conditions of measurements.
- 6.7. The use of NABL Symbol is as per NABL guidelines given in NABL-133.

Calibrated By

P. Santhosh Kumar
(Lab-In-Charge)

Checked By

Ajfar Basha S
(Asst. Quality Manager)





CC-2144

ULR No. : CC21442200001494F
 Certificate No. : TVCSPL 22/03/527-01

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MECHANICAL CALIBRATION
 (MASS)

Calibration Results

Denomination	Conventional Mass	MPE	Class	Uncertainty
g	g	±g		±g
1	1.000005	0.000010	E1	0.0000030
2	1.999999	0.000012	E1	0.0000032
2*	1.999998	0.000012	E1	0.0000032
5	5.000000	0.000016	E1	0.0000075
10	9.999999	0.000020	E1	0.0000075
20	20.000002	0.000025	E1	0.000010
20*	20.000001	0.000025	E1	0.000010
50	49.999999	0.00003	E1	0.000016
100	99.999998	0.00005	E1	0.00002
200	199.999996	0.00010	E1	0.00003
200*	199.999997	0.00010	E1	0.00003

Remarks

1. UUC is defined as the Unit Under Calibration
2. MPE is defined as Maximum Permissible error as per OIML R-111 2004
3. The certificate refers only to the particular item submitted for calibration
4. The calibration results reported in this certificate are valid at the time of and under the stated conditions of measurement
5. Calibration Method Followed : By Substitution Method - ABBA Cycle
6. The weights are calibrated for Scientific or Industrial purpose only
7. The calibration certificate shall not be reproduced in part or in full without written approval of the laboratory
8. The above weights are calibrated for E1 class & all the weights are within the limits as per OIML R-111 2004
9. The reported Expanded Uncertainty is calculated at 95.45 % confidence level with coverage factor k= 2

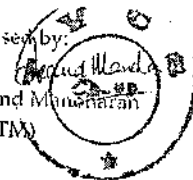
* End of Certificate *

Calibrated by :
 Vishnu P. Jai
 Ms. K. Vishnu Priya
 (Calibration Engineer)



Authorised by:

Mr. Anand Manoharan
 (QM & TM)



92, S.R.B Nagar Main Road,
 Chennai - 600 099,
 Tamil Nadu, India.

Ph: 044 - 4281 9208 / Cell: 94440 38069 /
 97102 22422 / 97102 22522 / 97102 22622
 Email : calibration@truevalue.com
 www.truevaluecalibration.com
 CIN No : U29268TN2015PTC103428



Quality is Assured



COMMITTED TO THE CUSTOMER SINCE - 1996

CERTIFICATE OF CALIBRATION

No. 301/A, 9th Main Road, 3rd Cross, Rajiv Gandhi Nagar, J.B. Kaval, Nandhini Layout Post, Bangalore - 560 096.

Contact : 080-23377266, Mob : 9986586789 / 9448080177 / 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

Certificate No. VI/21-22/INT-ME-121

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Calibration Results:

1. Linearity Test:

The balance was tested for its accuracy at ambient temperature for both progressive and decreasing loads

2. Range / Resolution : 5g / 0.000001 g

Sl. No.	Load(L)		Indication (g)		Error (g)	
			↓	↑	↓	↑
1	1	mg	0.001000	0.001000	0.000000	0.000000
2	2	mg	0.002000	0.002000	0.000000	0.000000
3	5	mg	0.005000	0.005000	0.000000	0.000000
4	10	mg	0.010000	0.010000	0.000000	0.000000
5	20	mg	0.020000	0.020000	0.000000	0.000000
6	50	mg	0.050001	0.049999	0.000001	-0.000001
7	100	mg	0.100002	0.100002	0.000002	0.000002
8	200	mg	0.200003	0.200003	0.000003	0.000003
9	500	mg	0.500004	0.500003	0.000004	0.000003
10	1	g	1.000004	1.000004	0.000004	0.000004
11	2	g	1.999995	2.000005	-0.000005	0.000005
12	5	g	4.999994	4.999994	-0.000006	-0.000006

The above Errors are within the Maximum Permissible Error limits.

Calibrated By

P Santhosh Kumar
(Lab-In-Charge)

Checked By

Ajmal Basha S
(Asst. Quality Manager)





Vaidyanatheshwara Instruments

COMMITTED TO THE CUSTOMER SINCE - 1996

CERTIFICATE OF CALIBRATION



No. 301/A, 9th Main Road, 3rd Cross, Rajiv Gandhi Nagar, J.B. Kaval, Nandhini Layout Post, Bangalore - 560 096.

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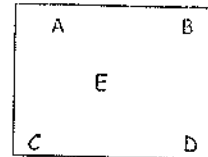
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Calibration Results:

2. Eccentricity Test.:

A 1g load was successively placed at the center and at four corners of the pan in clockwise direction, then in counter-clockwise direction and finally at the center. The maximum change in indication from the center to any other point was found to be The results are within the Maximum Permissible Error limits.

Sl. No.	Position	load	DUC Reading (g)
1	A	1g	1.000003
2	B		1.000004
3	C		1.000004
4	D		1.000003
5	E		1.000004



3. Repeatability Test.:-

The balance was tested for repeatability for below mentioned loads

weights	Mean Difference (g)
1mg	0.000000
1g	0.000004
5g	0.000008

weights	standard deviation (g)
1mg	0.000000000
1g	0.000001160
5g	0.000000527

Note :

1. Ref. Standards used are Traceable to National/International Standards
2. Please refer Calibration Certificate before use

Conclusion/Remarks

1. Measurement Uncertainty reported is ± 0.005 mg at 95.45% confidence level

Calibrated By

P Santosh Kumar
(Lab-In-Charge)

Checked By

Afjal Basha S
(Asst. Quality Manager)

