

# Vaidyanatheshwara Instruments ilac

## **CERTIFICATE OF CALIBRATION**





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

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 2.6 Receipt Date

: 313 & 19-08-2022 : 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 3.4 Sl.No.

: 10 - 100 µl

: 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

3.8 Calibration Date

: 23-08-2022

3.9 Calibration Due

: 22-08-2023

3.10 Calibration done at 3.11 Discipline

: VI Volumetric Lab : Mechanical (Mass & volume)

4 Environmental Condition

Temperature

20.1 °C

Humidity

52 %Rh

5 Standards Used for calibration

1 Dig	igital Weighing	DADWA GUNAL				
	Balance	RADWAG/MYA5.4Y	544953	0.1mg to 5g	VI/21-22/INT-ME-121	17-09-2022
2 E1 C	Class Weights	LCGC	VI-E1-ME-001	200g to 1ing	TVCSPL22/03/527-01	30 - 03 - 2025

- 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.

Calibrated By

Checked By

Ranjith Kumar P. (Calibration Engineer) (Lab-In-Chargle)



- 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.
- The results stated in this certificate relate only to the item calibrated.
- The usage of NABL symbol is as per NABL guidelines given on NABL-133.
- Any error in the certificate should be brought to our lab within 30 days from the date of issue of certificate.



# Vaidyanatheshwara Instruments had

### **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

Certificate No:

VI/22-23/2059-04

Page 2 of 2

Range:

10 - 100 µľ

Results:

Range	Cal Point	Volume observed	Expanded Uncertainty ±
	μΙ	μl	μl
	10	10.234	0.03
10 - 100 μl	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 Uncertainity of associated with measurement at approximate 95.45% confidence level with coverage factor k=2

Calibrated By

Checked By

Ranjith Kumar P (Calibration Engineer P. Santhash Kumai (Lab- In-Charge)



- 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.
- The results stated in this certificate relate only to the item calibrated.
- The usage of NABL symbol is as per NABL guidelines given on NABL-133.
- Any error in the certificate should be brought to our lab within 30 days from the date of issue of certificate.



# Vaidyanatheshwara Instruments hac





## **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 : 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 ut 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

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

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/21-22/INT-ME-121	17-09-2022
2	E1 Class Weights	LCGC	VJ-E1-ME-001	200g to 1mg	TVCSPL22/03/527-01	30 - 03 - 2025

#### <u> 6 Note:</u>

- 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 Chacked By

Ranjith Rumar P P. Sathel (Calibration Engineer)





51 %Rh

- 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.
- The results stated in this certificate relate only to the item calibrated.
- The usage of NABL symbol is as per NABL guidelines given on NABL-133.
- Any error in the certificate should be brought to our lab within 30 days from the date of issue of certificate.



# Vaidyanatheshwara Instruments lac mra





# CC-2473

### **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

Certificate No:

VI/22-23/2059-01

Page 2 of 2

Range:

100 - 1000 ц

Results:

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

Calibrated By

Checked By

Ranjith Aughar P (Calibration Engineer)

P. Santhesh Kumar

்(Lab- In-Charge)

- 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.
- The results stated in this certificate relate only to the item calibrated.
- The usage of NABL symbol is as per NABL guidelines given on NABL-133.
- Any error in the certificate should be brought to our lab within 30 days from the date of issue of certificate.



# Vaidyanatheshwara Instruments HOC MEA

# 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 : CC247322100010628F

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 : 20-08-2022 : 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 SLNo.
 : 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

3.7 No. or 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

<u>5 Standards Used for calibration</u>

20.4 °C Hu

Humidity 51 %Rh

		1	<del></del>			
SI. No.	Nomenclature	Make & Model	Sî. No	Range	Traceable to /Cert.	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

#### 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 Checked By

Ranjith Rumar P (Calibration Engineer) P. Santhash Kumar (Lab- In-Charge)





- 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.
- The results stated in this certificate relate only to the item calibrated.
- The usage of NABL symbol is as per NABL guidelines given on NABL-133.
- Any error in the certificate should be brought to our lab within 30 days from the date of issue of certificate.



# Vaidyanatheshwara Instruments lac

### **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

Certificate No:

VI/22-23/2059-02

Page 2 of 2

Range:

100 - 1000 μί

Results:

Range	Cal Point	Volume observed	Expanded Uncertainty ±
	μl	μl	μl
	100	100.934	0.62
100 - 1000 µl	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 Uncertainity of associated with measurement at approximate 95.45% confidence level with coverage factor k=2

Calibrated By

umar P

(Calibration Ingineer)

Checked By

P. Santkosh Kumar (Lab- In-Charge) Avinuation By Carnadhar Ca

- 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.
- The results stated in this certificate relate only to the item calibrated.
- The usage of NABL symbol is as per NABL guidelines given on NABL-133.
- Any error in the certificate should be brought to our lab within 30 days from the date of issue of certificate.



# Vaidyanatheshwara Instruments has

## 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

: CC247322100010629F 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

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 St. No. Nomenclature Traceable to /Cert. Make & Model SI. No Range Validity No. Digital Weighing RADWAG/MYA5.4Y 544953 0.1mg to 5g VI/21-22/INT-ME-121 Balance 17-09-2022 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 guidelines given in NABL-133.

Calibrated By

(Calibration Engineer)

Checked By Ranjita Morfar P

P. Santifosh Kumar (Lab- in{Charge)





- 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.
- The results stated in this certificate relate only to the item calibrated.
- The usage of NABL symbol is as per NABL guidelines given on NABL-133.
- Any error in the certificate should be brought to our lab within 30 days from the date of issue of certificate.



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

Certificate No:

VI/22-23/2059-03

Page 2 of 2

Range:

5 - 50 µl

Results:

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

Calibrated By

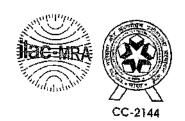
Checked

Ranjith Rumar P (Calibration Engineer)

P. Santhos Kumar (Lab-In-Charge) Authorized By

- 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.
- The results stated in this certificate relate only to the item calibrated.
- The usage of NABL symbol is as per NABL guidelines given on NABL-133.
- Any error in the certificate should be brought to our lab within 30 days from the date of issue of certificate.

# TRUE VALUE CALIBRATION SERVICES PVT LTD.,



#### CERTIFICATE OF CALIBRATION

FT-Q-25			Fage 1 of 2	
_	214422000001494F	· · · · · · · · · · · · · · · · · · ·		
	CSPL 22/03/527-01	Date of Issue	: 01-04-2022	
	-2022	Recom, Due Date	: 30-03-2025	
Customer Details :	•	SRF No.	527	
M/s.Vaidyanatheshwara Instru		Calibrated at	: Lab	
No.30/a, 9th Main Road, 3rd Cro	988,	Date of Receipt		
Rajiv Gandhi Nagar, J.B. Kaval,		Cond. On Receipt	29-03-2022	
Nandhinilayout Post,Bangalore		Cond. Of Receipt	: Satisfactory	
Details of Test Instrument:				
Description : Standard	l Weight Box	Material	Stainless Steel	
Range : 1mg to 2		Serial No.	Stamiess Steet	
Least Count :		Id. No.	VI-E1-ME-001	
Make : LCGC		Accuracy :		
Condition : Used		UUC Assumed Density(d):	E1	
Details of Standard Used	:	Ode Assimed Density(a):	(7950±140)kg/m³; k=2	
Name E1 Standård Weights	Certificate No. TVCSPL 21/05/597-01	Valid upto 04-May-22	Traceability TVCSPL, Chemai.	
Work Instruction :	WI-M-02	, ,	. r Con 15 Chemiai.	
Environmental Details :	Temperature: 21±	1.5 °C Relative Humidity:	50±10 % RH	
		during the calibration was less th	han ±0.3°C per hoor]	

#### MECHANICAL CALIBRATION

(MASS)

Calibration Results

Conventional Mass	MPE	Class	Uncertainty
g	≠g	<u> </u>	±g
0001000	0.000003	E1	0.0000012
0.002000	0.0000003	<del> </del>	0.0000012
0.001999	0.000003		0.0000012
0.005002	0.000003		0.0000012
0.010000		—————	0.0000012
0.020002			0.0000013
0.020001			0.0000013
0 050002			0.0000013
0.100002			
0.200004			0.0000014
			0.0000015
· · · · · · · · · · · · · · · · · · ·			0.00000 <u>1.5</u> 0.0000019
	8 0 001000 0.002000 0.001999 0 005002 0.010000 0 020002 0 020001	8         ±g           0.001000         0.000003           0.002000         0.000003           0.001999         0.000003           0.010000         0.000003           0.010000         0.000003           0.020002         0.000003           0.020001         0.000003           0.050002         0.000004           0.100002         0.000005           0.200004         0.000006           0.200003         0.000006	8         ±g           0.001000         0.000003         B1           0.002000         0.000003         E1           0.001999         0.000003         E1           0.010000         0.000003         E1           0.010000         0.000003         E1           0.020002         0.000003         E1           0.020002         0.000003         E1           0.020001         0.000003         E1           0.050002         0.000004         E1           0.100002         0.000005         E1           0.200004         0.000006         E1           0.200003         0.000006         E1

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



Mr. Anand Managers (QM & TM)

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

Ph: 044 - 4281 9208 / Cell: 94440 38069 / 97102 22422 / 97102 22522 / 97102 22622 Emoil : calibrationservices@live.com www.truevaluecalibration.com CIN No :U29265TN2015PTC103428



Quality is Assured

			•
Selection of the District Of Francisco Selection and University (1997) and The Control of Selection (1	r 18ma 1870 1881 Talanda ohan ilikan marangan mendendakan salam tidak menengan sebesar mendelah menengan sebes	Now depending to the second se	over the company of t



# Vaidyanatheshwara Instruments







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

Page 1 of 3

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 : 0.000001o 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:

20.1 °C

Humidity 55 %RH 5.0 Standards Used for calibration:

SI. 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

- 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 use of NABL Symbol is as per NABL guidelines given in NABL-133.

Calibrated By

Checked By

(Lab-In-Charge)

Afjal Basha S

(Asst.Quality Manager)

				r
				v
THE COLOR OF A SECURITY OF THE PROPERTY OF THE	TTBANENINA - 1992 MARIE SALAN MARIES III 1991 AND	i ne a vivalanimanni vivallikolovi (likuvani ne ni koje ni vivi, ne nesti ni vivi, a a a	i ku sersem al mit e an iku ama sersemus, an ike dudekut udahada dabada dabada sebagai kebada sebagai kebada s	MENANCIAN SERTINGS, ALAMANA IN LANCE AN

# TRUE VALUE CALIBRATION SERVICES PVT LTD.,





CC-2144

ULR No. Certificate No.

CC2144220000001494F

TVCSPL 22/03/527-01

Page 2 of 2

### MECHANICAL CALIBRATION

(MASS)

Calibration Results

Denomination	Conventional Mass	on Results MFE	Class	Uncertainty
8	g.	±g		
11	1.000005	0.000010	Ε1	±g 0.0000030
2	1.999999	0.000012	EI	0.0000032
2*	1.999998	0.900012	E1	0.0000032
5	5 00000	0.000016	E1	0.0000075
10	9.99999	0.000020	EI	0.0000075
20	20.00002	0.000025	EI	0.000010
20*	20.00001	0.000025	EI	0.000010
50	49.99999	0.00003	E1	0.000016
1.00	99.99998	0.00005	E1	0.00002
200	199,99996	0.00010	E1	0.00003
200*	199.99997	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 cartificate 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 Discertainty is calculated at 95.45 % confidence level with coverage factor  $k\pi$  2

Calibrated by:
VILLIAM 19-Joil
Ms.K.Vishnu Priyai
(Calibration Engineer)

\* End of Certificate \*



Authorises by:

Mr. Anand Ministeran

(QM & TM)

more referring the true waln

Ph: 044 - 4281 9208 / Cell: 94440 38069 / 97102 22422 / 97102 22522 / 97102 22622 Emcil: calibrationservices@five.com

emoii : calibrationservices@five.con www.truevaluecalibration.com CiN No :U29268TN2015PTC103428



Quality is Assured

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

					,
					•
"while with the substitutional war in contract the lighter with the substitution of th	en gan de desamble, held har have en elemente e a este este este en elemente.	nya fadintifu din sanyi na asar kasaran da santah sansa fab	gaga ya sana an gagaran ya wasan gayaran ya sanayara, ka	ering Signification de legislatic include a construction and the constru	Karaman N. S. G.



# Vaidyanatheshwara Instituments CERTIFICATE OF CALIBRATION





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

Certificate No.

VI/21-22/INT-ME-121

Page 2 of 3

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

SI. No.	SI. No. Load(L)		Indication (g)		Error ( g)	
·	1	1	Û	Û	Û	10
11	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	9	1.000004	1.000004	0.000004	0.000004
11	2	g	1.999995	2.000005	-0.000005	0.000005
12	5	9	4.999934	4.999994	-0.000006	-0.000006

The above Errors are within the Maximum Permisable Error limits.

Calibrated By

P Santhosh Kilman (Lab-In-Charge) Checked By

Afjal Basha S

(Asst.Quality Manager)





	No and all 1888 (1885) and the second second second all the all the second all th	ende hade delen die voorbellekkonstied die die versteeren, oorde het heer ook en oorden en die	THE BRITISH BE BERTHALL BOTH STORY OF S



# Vaidyanatheshwara instruments







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@vipigroup.com Web: www.vipigroup.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

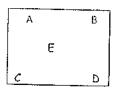
Page 3 of 3

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 Permissable Error limits.

SI. No.	Position	load	DUC Reading (g)
1	A		1.000003
2	В		1.000004
3	С	1g	1.000004
4	۵		1.000003
5	ĮΕ		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)
1nng	0.000000000
19	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 le

Calibrated By

P Santash Kuma

(Lab-In-Charge)

Checked By

Afjal Basha S

(Asst.Quality Manager)

Aphhorised C

000.2331120 000.2331120