SIMCO

SIMCO CALIBRATION & TESTING PVT. LTD.

(FORMERLY KNOWN AS SIMCO CALIBRATION LABORATORY)

10-3-74/27, Lane No. 2, Street No. 3, Teacher's Colony, East Marredpally, Secunderabad - 500 026, Telangana.
Mob: 7729991231/32/33/35, 98480 46524,
E-mail : simco.hyd@gmail.com, info@simco-india.com, www.simcocalibrationlaboratory.com

ilac-MRA

CC-2806

CALIBRATION CERTIFICATE

In accordance with ISO / IEC-17025 : 2017

F10-CC-03

Certificate No.: SCT/160224/27/1	**ULR :** CC280624100001493F
Customer Name & Address : **M/s. Regional Ayurveda Research Institute.,** Central Council for research in Ayurvedic Sciences, Ministry of Ayush, Govt of India, New Rajiv nagar, Payakapuram, Vijayawada, Andhra Pradesh Pin Code : 520015	**Issue Date** : 20-02-2024 **Reference Date** : 16-02-2024 **Calibration Date** : 16-02-2024 **Calibration Due Date** : 15-02-2025

Details of Unit Under Calibration :

Description	: Centrifuge		
Make	: Remi	Model	: R-8C
Range	: Upto 4000 RPM	Sl.No.	: KGLC-14145
Resolution	: 10 RPM	ID.No.	: NA
Calibrated At	: At Site	Condition on Receipt	: OK
Location	: Clinical Laboratory	Accuracy	: NA

Environmental Conditions : Temperature : (24±4)°C Relative Humidity : (50±20) % RH

Calibration SOP/Ref Standard : SOP-PL-08, SANAS TR 45-01

Mechanical Calibration-Speed

Master Instruments Detail

Name of the Master used	Id.No.	Certificate No.	Valid Upto
Digital Tachometer	SL/PMP/TM/04	C-230329-10-2	30/03/2024

NON CONTACT TYPE

S.No.	Average Standard Reading (RPM)	Average UUC Reading (RPM)	Error (RPM)	Expanded Uncertainty in RPM (k =2)
1	499.2	500	0.8	0.70
2	999.3	1000	0.7	0.70
3	1998.5	2000	1.5	1.64
4	2997.9	3000	2.1	1.64
5	3996.6	4000	3.4	1.64

Remarks :

a) This certificate pertains only to the item calibrated.
b) The calibration results reported in this certificate are valid at the time of and at the stated environmental conditions.
c) The calibration interval is determined based on customer's requirements.
d) The calibration is traceable to National standards as per traceability details given in the certificate.
e) This calibration certificate shall not be reproduced in full, except with prior written approval of Managing Director, SIMCO Calibration & Testing Pvt. Ltd.
f) This calibration certificate is meant for scientific and industrial purpose only.
g) The NABL Symbol is used as per NABL guidelines in NABL-133.
h) The Expanded Uncertainty is reported at 95% confidence level with approximate coverage factor k= 2.
i) UOM = Unit of Measurement

Nakka Raja Sekhar
Technical Associate Engineer
Calibrated By

** End of Certificate **

Digitally signed by N.V.Kameswararao
Date: 2024.02.23 15:32:48 +05:30
Reason: Calibration Certificate

Authorized Signatory

Chief Executive Officer

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CC-2806

CALIBRATION CERTIFICATE

In accordance with ISO / IEC-17025 : 2017

Certificate No.: SCT/150224/31/3	**ULR : CC280624200000954F**
Customer Name & Address : **M/s. Regional Ayurveda Research Institute.,** Central Council for research in Ayurvedic Sciences, Ministry of Ayush, Govt of India, New Rajiv nagar, Payakapuram, Vijayawada, Andhra Pradesh Pin Code : 520015	**Issue Date : 20-02-2024** **Reference Date : 15-02-2024** **Calibration Date : 20-02-2024** **Calibration Due Date : 19-02-2025**

Details of Unit Under Calibration :

Description	: Micro Pipette		
Make	: Borosil	Model	: LAB QUEST
Range	: 5-50 µl	Sl.No.	: RA622583
Resolution	: 0.5 µl	ID.No.	: NA
Calibrated At	: At Lab	Condition on Receipt	: OK

Environmental Conditions : Temperature : (23±0.5)°C Relative Humidity : (50±10) % RH Air Pressure: (900-1100)hpa

Calibration SOP/Ref Standard : SOP-MVL-03, IS/ISO 8655-2&6:2022, ISO/TR 20461:2000

Mechanical-Volume

Master Instruments Detail

Name of the Master used	Id.No.	Certificate No.	Valid Upto
Micro Balance	SL/PMM/MB/01	TC/23-24/4054 03	23/05/2024

Calibration Results

S.No.	UOM	Nominal Volume in UOM	Average Standard Reading in UOM	Systematic Error in UOM	Random Error in UOM	Systematic Error MPE in UOM	Random Error MPE in UOM	Expanded Uncertainty in ± UOM
1	µl	5.0	4.958	0.042	0.024	0.5	0.25	0.080
2	µl	25.0	24.950	0.050	0.025	0.5	0.25	0.080
3	µl	50.0	49.927	0.073	0.025	0.5	0.25	0.080

Remarks :

a) This certificate pertains only to the item calibrated.
b) The calibration results reported in this certificate are valid at the time of and at the stated environmental conditions.
c) The calibration interval is determined based on customer's requirements.
d) The calibration is traceable to National standards as per traceability details given in the certificate.
e) This calibration certificate shall not be reproduced in full, except with prior written approval of Managing Director, SIMCO Calibration & Testing Pvt. Ltd.
f) This calibration certificate is meant for scientific and industrial purpose only.
g) The NABL Symbol is used as per NABL guidelines in NABL-133.
h) The Expanded Uncertainty is reported at 95% confidence level with approximate coverage factor k= 2.
i) UOM = Unit of Measurement

Note: To use this instrument at other temperatures use the formula given below $V27 = VT (1-C (t-27))$.
where, VT = Volume measured at temperature t°C (ml),V27= Volume measured at 27°C (ml)
C = coefficient of cubical expansion of Pipette tips (0.00024 /°C)

Pampana Siva
Technical Executive Engineer
Calibrated By

** End of Certificate **

Digitally signed by N.V.Kameswararao
Date: 2024.02.22 18:10:49 +05:30
Reason: Calibration Certificate

Authorized Signatory
Chief Executive Officer

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CC-2806

CALIBRATION CERTIFICATE

In accordance with ISO / IEC-17025 : 2017

Certificate No.: SCT/150224/31/1	**ULR : CC280624200000952F**
Customer Name & Address : **M/s. Regional Ayurveda Research Institute.,** Central Council for research in Ayurvedic Sciences, Ministry of Ayush, Govt of India, New Rajiv nagar, Payakapuram, Vijayawada, Andhra Pradesh Pin Code : 520015	**Issue Date : 20-02-2024** **Reference Date : 15-02-2024** **Calibration Date : 20-02-2024** **Calibration Due Date : 19-02-2025**

Details of Unit Under Calibration :

Description	: Micro Pipette		
Make	: Nanopet	Model	: MVR Diagnostics
Range	: 100-1000 µl	Sl.No.	: O21705275
Resolution	: 10 µl	ID.No.	: NA
Calibrated At	: At Lab	Condition on Receipt	: OK

Environmental Conditions : Temperature : (23±0.5)°C Relative Humidity : (50±10) % RH Air Pressure: (900-1100)hpa

Calibration SOP/Ref Standard : SOP-MVL-03, IS/ISO 8655-2&6:2022, ISO/TR 20461:2000

Mechanical-Volume

Master Instruments Detail

Name of the Master used	Id.No.	Certificate No.	Valid Upto
Semi Micro Balance	SL/PMM/SMB/02	TC/23-24/4054 02	23/05/2024

Calibration Results

S.No.	UOM	Nominal Volume in UOM	Average Standard Reading in UOM	Systematic Error in UOM	Random Error in UOM	Systematic Error MPE in UOM	Random Error MPE in UOM	Expanded Uncertainty in ± UOM
1	µl	100	100.05	-0.05	0.02	8	3	0.060
2	µl	500	500.61	-0.61	0.02	8	3	0.200
3	µl	1000	1000.72	-0.72	0.02	8	3	0.200

Remarks :

a) This certificate pertains only to the item calibrated.
b) The calibration results reported in this certificate are valid at the time of and at the stated environmental conditions.
c) The calibration interval is determined based on customer's requirements.
d) The calibration is traceable to National standards as per traceability details given in the certificate.
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g) The NABL Symbol is used as per NABL guidelines in NABL-133.
h) The Expanded Uncertainty is reported at 95% confidence level with approximate coverage factor k= 2.
i) UOM = Unit of Measurement

Note: To use this instrument at other temperatures use the formula given below $V_{27} = V_T (1-C (t-27))$.
where, V_T = Volume measured at temperature t°C (ml), V_{27}= Volume measured at 27°C (ml)
C = coefficient of cubical expansion of Pipette tips (0.00024 /°C)

Pampana Siva
Technical Executive Engineer
Calibrated By

** End of Certificate **

Digitally signed by N.V.Kameswararao
Date: 2024.02.22 18:10:41 +05:30
Reason: Calibration Certificate

Authorized Signatory

Chief Executive Officer

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E-mail : simco.hyd@gmail.com, info@simco-india.com, www.simcocalibrationlaboratory.com

CC-2806

CALIBRATION CERTIFICATE

In accordance with ISO / IEC-17025 : 2017

Certificate No.: SCT/150224/31/2	**ULR : CC280624200000953F**
Customer Name & Address : **M/s. Regional Ayurveda Research Institute.,** Central Council for research in Ayurvedic Sciences, Ministry of Ayush, Govt of India, New Rajiv nagar, Payakapuram, Vijayawada, Andhra Pradesh Pin Code : 520015	**Issue Date : 20-02-2024** **Reference Date : 15-02-2024** **Calibration Date : 20-02-2024** **Calibration Due Date : 19-02-2025**

Details of Unit Under Calibration :

Description	: Micro Pipette		
Make	: Nanopet	Model	: MVR Diagnostics
Range	: 1000 µl	Sl.No.	: O91500528
Resolution	: NA	ID.No.	: NA
Calibrated At	: At Lab	Condition on Receipt	: OK

Environmental Conditions : Temperature : (23±0.5)°C Relative Humidity : (50±10) % RH Air Pressure: (900-1100)hpa

Calibration SOP/Ref Standard : SOP-MVL-03, IS/ISO 8655-2&6:2022, ISO/TR 20461:2000

Mechanical-Volume

Master Instruments Detail

Name of the Master used	Id.No.	Certificate No.	Valid Upto
Semi Micro Balance	SL/PMM/SMB/02	TC/23-24/4054 02	23/05/2024

Calibration Results

S.No.	UOM	Nominal Volume in UOM	Average Standard Reading in UOM	Systematic Error in UOM	Random Error in UOM	Systematic Error MPE in UOM	Random Error MPE in UOM	Expanded Uncertainty in ± UOM
1	µl	1000	1000.30	-0.30	0.02	8	3	0.200

Remarks :

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b) The calibration results reported in this certificate are valid at the time of and at the stated environmental conditions.
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Note: To use this instrument at other temperatures use the formula given below $V27 = VT (1-C (t-27))$.
where, VT = Volume measured at temperature t°C (ml),V27= Volume measured at 27°C (ml)
C = coefficient of cubical expansion of Pipette tips (0.00024 /°C)

Pampana Siva
Technical Executive Engineer
Calibrated By

** End of Certificate **

Digitally signed by N.V.Kameswararao
Date: 2024.02.22 18:10:45 +05:30
Reason: Calibration Certificate

Authorized Signatory

Chief Executive Officer