



Sarvashree

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CC-2291

NABL Accredited Calibration Lab as per ISO/IEC 17025 : 2017 with vide Certificate No: CC-2291

CALIBRATION CERTIFICATE

SS/ FF-20/ v1

Page No. 1 of 2

1 Name and Full Address of Customer : M/s. Community Health Centre.,
Tekkalokote, Siriguppa Tq,
Ballari.

2 Customer Reference

2.1 SRF No : A4272 Date of Receipt : 23 September 2023
2.2 Certification No. : SS/23/A4272-01 ULR. No : CC229123000016154F
2.3 Date of Calibration : 23 September 2023 Date of Issue: 26 September 2023
2.4 Next Calibration Due : 22 September 2024

3 Details Of Device Under Calibration(DUC).

3.1 Nomenclature : Micro Pipette
3.2 Make : Micro lux Model : --
3.3 SI.No : -- ID. No. : ICTC/CHC/T.KOTE/EQUIP-05
3.4 No.of Pages : 2 Range : 5-50 µl
3.5 Calibration Procedure No. : SOP-M&V-04 LC : 1 µl
3.6 DUC Condition : Satisfactory Location : --
3.7 Calibration done at : Mech Lab, Sarvashree
3.8 Discipline - Group : Mechanical - Mass And Volume

4 Environmental Condition

Temperature 21.3 °C Humidity 46 %RH

5 Standards Used for calibration

Sl. No.	Nomenclature	Make & Model	SI. No	Traceable Cert. No.	Validity
1	Electronic Balance	Radwag- AS82/220.R2	585650	TVCSPL 23/03/482-02	14-Mar-24

6 Conclusion / Remarks/Notes:

6.1. Kindly refer to Note (s) section mentioned as below.

Calibrated By

Abhilash
(Calibration Engineer)



Authorised By

Moushad N
(Lab In-Charge)

NOTE: 1. Measurement Uncertainty reported is at approx 95.45% confidence level with coverage factor k=2. 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 Sarvashree. 3. The Calibration Certificate relates only to the above DUC. DUC Indicates Device Under Calibration. 4. Corrections/Erasing invalidate the calibration certificate. 5. All Standards / Masters used for calibration are traceable to National / International Standards. 6. Any error in this cert should be brought to our knowledge within 45 days from the date of this certificate. 7. Results reported are valid at the time of and under stated conditions of measurements. 8. Conformity statement is given only when requested by the customer. 9. NABL-133 Guidelines are adopted for use of NABL Symbol.

CAL CERT. NO.

SS/23/A4272-01

ULR. No : CC229123000016154F

Page No: 2 of 2

Range : 5-50 μ l

LC : 1 μ l

Sl. No.	Micropipette Set Volume in μ l	Standard Balance Reading in g	Actual Calculated Volume @ 27°C in μ l	Average Volume in μ l	Systematic Error, \pm in %	Random Error, in \pm in %
1	5	0.00501	5.025	5.008	0.16	0.31
2		0.00499	5.005			
3		0.00499	5.005			
4		0.00501	5.025			
5		0.00499	5.005			
6		0.00498	4.995			
7		0.00497	4.985			
8		0.00502	5.035			
9		0.00498	4.995			
10		0.00499	5.005			
11	25	0.02495	25.026	25.059	0.23	0.18
12		0.02498	25.056			
13		0.02499	25.066			
14		0.02501	25.086			
15		0.02499	25.066			
16		0.02505	25.126			
17		0.02497	25.046			
18		0.02489	24.965			
19		0.02496	25.036			
20		0.02504	25.116			
21	50	0.04997	50.121	50.160	0.32	0.09
22		0.05004	50.191			
23		0.04995	50.101			
24		0.05001	50.161			
25		0.04998	50.131			
26		0.05009	50.242			
27		0.04996	50.111			
28		0.04999	50.141			
29		0.05004	50.191			
30		0.05006	50.212			

Measurement Uncertainty : \pm 0.13 μ l

Conclusion / Remarks:

- Measurement uncertainty is at confidence level 95.45% which corresponds to a coverage factor of k=2
- Calibration is performed as per ISO 8655 - 6 : 2022 (E)
- Gravimetric Method is adopted for calibration

Calibrated By

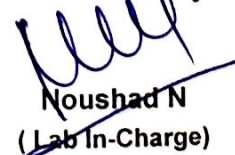


Abhilash

(Calibration Engineer)



Authorised By



Noushad N
(Lab In-Charge)

****End of Certificate****

CALIBRATION CERTIFICATE

FCL/FM/CL/06

Name of the Customer : M/s. Community Health Centre., Address Tekkalakote, Siriguppa Tq, Ballari.	Page No. 1 of 1
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Customer Reference:

SRF No. : 2519	SRF Date : 22-09-2023
Certificate No. : FCL/23/2519-02	Calibrated On : 22-09-2023
ULR No. : CC310323000013116F	Recommended Cal. Due : 21-09-2024

Details of device under calibration (DUC):

Description : Refrigerator	Cal. Procedure : FCL-SOP-THE-01
Make : Godrej	DUC received on : 22-09-2023
Model / Type : GDN 180-PZOP	Status on receipt : Satisfactory
SI No. : 080421606	Loc. : Lab
ID No. : ICTC/CHC/T.KOTE/EQUIP-02	Certificate issue date : 24-09-2023

Environmental Conditions:

Temperature : 25 ± 4 °C	Humidity : 30% RH to 75% RH
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Standards used for Calibration and Traceability Details:

Sl. No.	Nomenclature	Make	Sl. No./ID No	Traceable to	Validity
1	4 Wire RTD Sensor With Handy Calibrator	Yokogawa-CA71, Tempsens	23000079 & TIN5010	TMS/23/56-01	03-Apr-24

Note:

- The Calibration Certificate relates only to the above DUC.
- Calibration Certificate Shall not be reproduced except in full, without written approval of the Flowcal
- The usage of NABL symbol is as per NABL guide
- Standard maintained are traceable to National / International Standard through accredited laboratories.

Results:

No.	Range/LC	DUC Reading in °C	STD Reading in °C	Error Claimed ± in °C	Error Observed in °C	Measurement Uncertainty ± in °C
1	2 °C to 8°C	6.1	6.5	1.0	-0.4	0.80

Conclusion Remarks:-

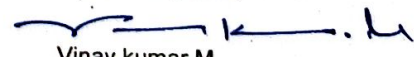
- Measurement Uncertainty reported is at 95.45 % confidence level K=2
.....End of Calibration Certificate.....

Calibrated By

 Rajashekar
 (Calibration Engineer)



Authorised Signatory


 Vinay kumar.M
 (Quality Manager)

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

#71, Koorgalli Industrial Area, Mysuru-570 018. Mob: 98865 02708, Email: vinay1flowcal@gmail.com, www.flowcal.in

CALIBRATION CERTIFICATE

Name of the Customer : M/s. Community Health Centre., Address Tekkalakote, Siriguppa Tq, Ballari.	FCL/FM/CL/06 Page No. 1 of 1
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Customer Reference:

SRF No. :2519	SRF Date :22-09-2023
Certificate No. :FCL/23/2519-01	Calibrated On :22-09-2023
ULR No. :CC310323000013115F	Recommended Cal. Due :21-09-2024

Details of device under calibration (DUC):

Description :ILR Refrigerator	Cal. Procedure : FCL-SOP-THE-01
Make :ILR Microtechnic	DUC received on :22-09-2023
Model / Type :JRS-5L	Status on receipt :Satisfactory
SI No. : NA	Loc. : Lab
ID No. :ICTC/CHC/T.KOTE/EQUIP-03	Certificate issue date :24-09-2023

Environmental Conditions:

Temperature : 25 ± 4 °C	Humidity : 30% RH to 75% RH
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Standards used for Calibration and Traceability Details:

Sl. No.	Nomenclature	Make	Sl. No./ID No	Traceable to	Validity
1	4 Wire RTD Sensor With Handy Calibrator	Yokogawa-CA71, Tempens	23000079 & TIN5010	TMS/23/56-01	03-Apr-24

Note:


- The Calibration Certificate relates only to the above DUC.
- Calibration Certificate Shall not be reproduced except in full, without written approval of the Flowcal
- The usage of NABL symbol is as per NABL guide.
- Standard maintained are traceable to National / International Standard through accredited laboratories.

Results:

Sl. No.	Range/LC	DUC Reading in °C	STD Reading in °C	Error Claimed ± in °C	Error Observed in °C	Measurement Uncertainty ± in °C
1	2 °C to 8°C	3.4	3.6	1.0	-0.2	0.80

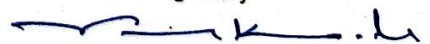
Conclusion Remarks:-

- Measurement Uncertainty reported is at 95.45 % confidence level K=2
.....End of Calibration Certificate.....

Calibrated By

 Rajashekar
 (Calibration Engineer)



Authorised Signatory


 Vinay Kumar.M
 (Quality Manager)



Sarvashree



Sarvashree

L-95, 5th Cross, 1st Main, Kirloskar Colony 3rd Stage,
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CALIBRATION CERTIFICATE

SSI/FF-20/v1

Page No. 1 of 2

1 Name and Full Address of Customer : M/s. Community Health Centre.,
Tekkalokote, Siriguppa Tq,
Ballari.

2 Customer Reference

2.1 SRF No : **A4272** Date of Receipt : 23 September 2023
2.2 Certification No. : **SS/23/A4272-02** ULR. No : CC229123000016155F
2.3 Date of Calibration : **23 September 2023** Date of Issue: 26 September 2023
2.4 Next Calibration Due : **22 September 2024**

3 Details Of Device Under Calibration(DUC).

3.1 Nomenclature : Micro Pipette
3.2 Make : Microlux Model : --
3.3 SI.No : -- ID. No. : ICTC/CHC/T.KOTE/EQUIP-06
3.4 No.of Pages : 2 Range : 100-1000 µl
3.5 Calibration Procedure No. : SOP-M&V-04 LC: 10 µl
3.6 DUC Condition : Satisfactory Location : --
3.7 Calibration done at : Mech Lab, Sarvashree
3.8 Discipline - Group : Mechanical - Volume

4 Environmental Condition

Temperature 21.1 °C Humidity 45 %RH

5 Standards Used for calibration

Sl. No.	Nomenclature	Make & Model	Sl. No	Traceable Cert. No.	Validity
1	Electronic Balance	Radwag- AS82/220.R2	585650	TVCSPL 23/03/482-02	14-Mar-24

6 Conclusion / Remarks/Notes:

6.1. Kindly refer to Note(s) Section mentioned as below.

Calibrated By

Abhilash

Abhilash
(Calibration Engineer)



Authorised By

Noushad N

Noushad N
(Lab In-charge)



Sarvashree

MEASUREMENT REPORT

NABL Accredited Calibration Lab as per
ISO/IEC 17025 : 2017 with vide Certificate No: CC-2291



CC-2291

CAL CERT. NO. SS/23/A4272-02 ULR. No : CC229123000016155F Page No: 2 of 2

Range : 100-1000 µl

LC : 10 µl

Sl. No.	Micropipette Set Volume in µl	Standard Balance Reading in g	Actual Calculated Volume @ 27°C in µl	Average Volume in µl	Systematic Error, ± in %	Random Error, in ± in %
1	100	0.09993	100.227	100.334	0.33	0.20
2		0.09996	100.257			
3		0.10011	100.408			
4		0.10015	100.448			
5		0.10003	100.328			
6		0.09988	100.177			
7		0.10011	100.408			
8		0.10021	100.508			
9		0.10055	100.849			
10		0.10030	100.598			
11	500	0.50025	501.739	501.679	0.34	0.05
12		0.50027	501.759			
13		0.50039	501.879			
14		0.50016	501.648			
15		0.49988	501.368			
16		0.50039	501.879			
17		0.50041	501.899			
18		0.49999	501.478			
19		0.49991	501.398			
20		0.49971	501.197			
21	1000	1.00022	1003.197	1002.920	0.29	0.02
22		1.00014	1003.116			
23		0.99985	1002.825			
24		0.99973	1002.705			
25		1.00014	1003.116			
26		0.99985	1002.825			
27		1.00014	1003.116			
28		0.99985	1002.825			
29		0.99973	1002.705			
30		0.99979	1002.765			

Measurement Uncertainty : ± 0.58 µl

Conclusion / Remarks:

- 1 Measurement uncertainty is at confidence level 95.45% which corresponds to a coverage factor of k=2
- 2 Calibration is performed as per ISO 8655 - 6 : 2022 (E)
- 3 Gravimetric Method is adopted for calibration

Calibrated By

Abhilash

(Calibration Engineer)



Authorised By

Noushad N

(Lab In-charge)

*****End of Certificate*****



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

#71, Koorgalli Industrial Area, Mysuru-570 018. Mob: 98865 02708, Email: vinay1flowcal@gmail.com, www.flowcal.in

CALIBRATION CERTIFICATE

Customer Name & Address : Community Health Centre.,
Tekkalakote, Siriguppa Tq,
Ballari.

ULR-CC310323000013117F

Customer Reference : SRF No: 2519 **Date :** 22-09-2023

Calibration Certificate Number	Calibrated On	Customer Recom Due Date	Page No.
FCL/23/2519-03	22-09-2023	21-09-2024	1 of 1

Details of device under calibration(DUC)

DUC: Centrifuge	ID No: ICTC/CHC/T.KOTE/EQUIP-01
Make/Model: Unilab	DUC condition on Receipt: Good
Range(LC): 0 to 5000 RPM/0.1 RPM	Cal At: ICTC Lab
Sl.No: NA	Date of Receipt: 22-09-2023

Cal Procedure No: FCL-SOP-MECH-02

Environmental conditions Temperature: 20.4 °C Relative Humidity: 42 %RH

Standards used:

Sl.No	Nomenclature	Make & Model	Sl.No	Traceability	Validity
1	Tachometer	Lutron	Q652919	TMS/23/132-07	20.08.2024

Observation: Non Contact Mode :

SI No.	Standard Reading	UUC Set	Deviation Observed	Expanded Uncertainty Ue
	in RPM	in RPM	in RPM	in ± RPM%
1	995.0	1		
2	1171.0	2	-----	2.5
3	1742.0	3	-----	2.5
4	1880.0	4	-----	2.5
5	2160.0	5	-----	2.5

standard followed -SANAS TR 45-01

The above UUC was calibrated using comparison method


The reported expanded uncertainty is calculated at Confidence level =95.45%. Coverage factor k = 2

Calibrated by


Rajashekar
(Calibration engineer)



Authorized by


Vinay kumar.M
(Quality Manager)