

ROOTS METROLOGY & TESTING LABORATORY

R.K.G Industrial Estate, Ganapathy, Coimbatore-641 006, India Phone: 9585840192/9003432356



CALIBRATION CERTIFICATE

ULR Number: CC275219000083790F

Name and address of the customer

The medical officer

Government Primary Health Centre

Parambur --pudukkottai(dist)

: Rmtl/01/319107345/1

Certificate no **Date of calibration** :11/04/2023

Suggested calibration due : 10/04/2024 Customer po .reference.& date:

1.DESCRIPTION OF DUC

Name Of The Duc: pipette

Make

: 10 MICROLITER

: 10 micro litter

Model SI.No

Range/Size

Ref. Document

Receiving Condition Of Duc :Good

:As Per Manufactures Specification :25.3 Deg & 54.3% Rh

Environmental Condition

Uncertainty Of Measurement : As Per Report

Location

:LABORATORY

THE MASTERS ARE TRACEABLE TO NATIONAL/INTERNATIONAL STANDARDS AS PER ISO/IEC 17025.

2.DETAILS OF MASTER USED

Standard Instrument Used	Make/ Model	ld No	Traceable To/Certificate No	Validity
Multi Product Calibrator	Fluke	Rml-262	Wavecal,Blr/Cs-18/01-01	1-6-2023
Micro balance	mettle toledo/XP26PC	QP-01	B115129039/CC-2523	1-6-2023
Universal Measuring Instrument With Sensor For Envirnmental	ALMEMO/2590-4AS	QP-10	H19070544/CC-2052	1-6-2023
Parameter				

CALIBRATION FIELD: WEIGHT Calibration

Sl.no	Range	Master readings micro litter	Calibrated values micro litter	Error observed micro litter	Uncertainty
1	10 micro litter	10	9.9	0.1	0.055

4.remarks

- 4.1 uncertainty estimated for a confidence level of 95% at the k factor=2
- 4.2the reported results are valid only for the condition of the inst./gauge received at the time of and under the condition of the calibration
- 4.3 DUC -device under calibration

Calibration label /status : Calibration result pass & fail are indicated







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CALIBRATION CERTIFICATE

ULR Number: CC275219000083790F

Name and address of the customer

Certificate no

: Rmtl/01/319107345/2

The medical officer

Date of calibration

:11/04/2023

Government Primary Health Centre Parambur -pudukkottai(dist)

Customer po .reference.& date:

Suggested calibration due

: 10/04/2024

1.DESCRIPTION OF DUC

Name Of The Duc: pipette

Receiving Condition Of Duc

:Good

Make

Ref. Document

:As Per Manufactures Specification

Model

: 100 MICROLITER **Environmental Condition**

:25.3 Deg & 54.3% Rh

SI.No Range/Size

: 100 micro litter

Uncertainty Of Measurement :As Per Report Location

:LABORATORY

THE MASTERS ARE TRACEABLE TO NATIONAL/INTERNATIONAL STANDARDS AS PER ISO/IEC 17025.

2.DETAILS OF MASTER USED

Make/ Model	ld No	Traceable To/Certificate No	Validity
Fluke	Rml-262	Wavecal, Blr/Cs-18/01-01	1-6-2023
mettle toledo/XP26PC	QP-01	B115129039/CC-2523	1-6-2023
ALMEMO/2590-4AS	QP-10	H19070544/CC-2052	1-6-2023
	Fluke mettle toledo/XP26PC	Fluke Rml-262 mettle toledo/XP26PC QP-01	Fluke Rml-262 Wavecal,Blr/Cs-18/01-01 mettle toledo/XP26PC QP-01 B115129039/CC-2523

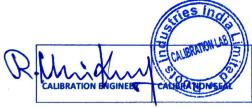
CALIBRATION FIELD: WEIGHT Calibration

	CALIBRATION TIED. WEIGHT CANDIAGON							
Γ	Sl.no Range		ange Master readings Calibrated		Error observed	Uncertainty		
			micro litter	micro litter	micro litter			
Γ	1	100 micro litter	100	99.9	0.1	0.055		

4.remarks

- 4.1 uncertainty estimated for a confidence level of 95% at the k factor=2
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AUTHORIZED SIGN



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CALIBRATION CERTIFICATE

ULR Number: CC275219000083790F

Name and address of the customer Certificate no : Rmtl/01/319107345/3

The medical officer **Date of calibration** :11/04/2023 **Government Primary Health Centre** Suggested calibration due : 10/04/2024

Parambur -pudukkottai(dist) Customer po .reference.& date:

1.DESCRIPTION OF DUC

Name Of The Duc: pipette

Make

Model : 100-1000 MICROLITER

SI.No Range/Size

: 100-1000 micro liter

Receiving Condition Of Duc :Good

Ref. Document

:As Per Manufactures Specification

Environmental Condition

:25.3 Deg & 54.3% Rh Uncertainty Of Measurement : As Per Report

Location

:LABORATORY

THE MASTERS ARE TRACEABLE TO NATIONAL/INTERNATIONAL STANDARDS AS PER ISO/IEC 17025.

2.DETAILS OF MASTER USED

Standard Instrument Used	Make/ Model	ld No	Traceable To/Certificate No	Validity
Multi Product Calibrator	Fluke	Rml-262	Wavecal,Blr/Cs-18/01-01	1-6-2023
Micro balance	mettle toledo/XP26PC	QP-01	B115129039/CC-2523	1-6-2023
Universal Measuring Instrument With Sensor For Envirnmental	ALMEMO/2590-4AS	QP-10	H19070544/CC-2052	1-6-2023
Parameter				

CALIBRATION FIFLD: WEIGHT Calibration

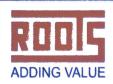
Sl.no	Range	Master readings	Calibrated values	Error observed	Uncertainty
		micro litter	micro litter	micro litter	
1	100-1000 micro litter	100	99.9	0.1	0.055
2	100-1000 micro litter	500	499.9	0.1	0.055
3	100-1000 micro litter	800	799.9	0.1	0.055
4	100-1000 micro litter	900	899.9	0.1	0.055
5	100-1000 micro litter	1000	999.9	0.1	0.055

4.remarks

- 4.1 uncertainty estimated for a confidence level of 95% at the k factor=2
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Calibration label /status : Calibration result pass & fail are indicated

HORIZED SIGN



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CALIBRATION CERTIFICATE

ULR Number: CC275219000083790F

Name and address of the customer Certificate no : Rmtl/01/319107345/4

The medical officer Date of calibration :11/04/2023
Government Primary Health Centre Suggested calibration due :10/04/2024

Parambur –pudukkottai(dist) Customer po .reference.& date:

1.DESCRIPTION OF DUC

Name Of The Duc: MICROSCOPE Receiving Condition Of Duc :Good

Make : BIOCULAR Ref. Document :As Per Manufactures Specification

Model : Environmental Condition :25.3 Deg & 54.3% Rh

SI.No : I11A266 Uncertainty Of Measurement :As Per Report Range/Size : 230v Location :LABORATORY

THE MASTERS ARE TRACEABLE TO NATIONAL/INTERNATIONAL STANDARDS AS PER ISO/IEC 17025.

2.DETAILS OF MASTER USED

Standard Instrument Used	Make/ Model	ld No	Traceable To/Certificate No	Validity
Decade Megohm	Vaisashika	Rml-230	Vaiseshika, Ambala Cantt/Ved/Nabl/18- 19(Et)/92	1-6-2023
Multi Product Calibrator	Fluke	Rml-262	Wavecal,Blr/Cs-18/01-01	1-6-2023
Multi Product Calibrator (Ac/Dc Current Coil)	Transmille	Rml-252-1	Wavecal,Blr/Cs-18/69-01	1-6-2023
Leakage Current Tester	Htc/Cl-2054	Rml-254-1	Rmtl/01/319107848	1-6-2023

CALIBRATION FIELD: Electro Technical (Voltage Calibration -Ac)

Sl.no	Range	Master readings v	Calibrated values v	Error observed v	Uncertainty v
1	0 v to 400v	230	231	1	0.055

CURRENT CALIBRATIONAc Current @50Hz

Sl.no	Range	Master readings mA	Calibrated values mA	Error observed mA	Uncertainty mA
1	40Ma-100A	2	2.002	-0.002	0.045

Resistance calibration

Sl.no	Range	Master readings ohms	Calibrated values ohms	Error observed ohms	Uncertainty Ohms
1	40	39	39.01	0.001	0.007

4.remarks

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CALIBRATION ENGINEER EAUBRATION SEA

AUTHORIZED SIGN