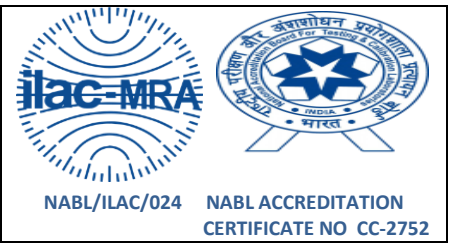




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**ROOTS METROLOGY & TESTING LABORATORY**  
 R.K.G Industrial Estate, Ganapathy, Coimbatore-641 006,India  
 Phone :9003432356



**CALIBRATION CERTIFICATE**

ULR Number: CC275219000083790F

<b>Name and address of the customer</b> The Medical Officer Government Primary Health Centre VILAKUDI–Thiruvapur(dist)	<b>Certificate no</b> : Rmtl/01/319107850/91
	<b>Date of calibration</b> :27/09/2023
	<b>Suggested calibration due</b> : 26/09/2024
	<b>Customer po .reference.&amp; date:</b>

**1.DESCRPTION OF DUC**

Name Of The Duc: pipette Make : qualipet Model : NA Sl.No : 4640040 Range/Size : 10-100 micro litter	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 :lab
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**THE MASTERS ARE TRACEABLE TO NATIONAL/INTERNATIONAL STANDARDS AS PER ISO/IEC 17025.**

**2.DETAILES OF MASTER USED**

Standard Instrument Used	Make/ Model	Id No	Traceable To/Certificate No	Validity
Multi Product Calibrator	Fluke	Rml-262	Wavecal,Blr/Cs-18/01-01	1-6-2024
Micro balance	mettler toledo/XP26PC	QP-01	B115129039/CC-2523	1-6-2024
Universal Measuring Instrument With Sensor For Environmental Parameter	ALMEMO/2590-4AS	QP-10	H19070544/CC-2052	1-6-2024

**CALIBRATION FIELD: WEIGHT Calibration**

Sl.no	Range	Master readings micro litter	Calibrated values micro litter	Error observed micro litter	Uncertainty
1	10-100 micro litter	10	9.9	0.1	0.055
2	10-100 micro litter	50	49.9	0.1	0.055
3	10-100 micro litter	80	79.9	0.1	0.055
4	10-100 micro litter	90	89.9	0.1	0.055
5	10-100 micro litter	100	99.9	0.1	0.055

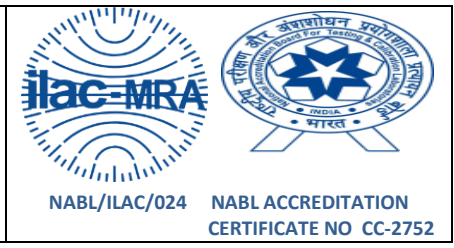
**4.remarks**

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

<b>Name and address of the customer</b> The Medical Officer Government Primery Health Centre VILAKUDI–Thiruvavarur(dist)	<b>Certificate no</b> : Rmtl/01/319107850/92
	<b>Date of calibration</b> :27/09/2023
	<b>Suggested calibration due</b> : 26/09/2024
	<b>Customer po .reference.&amp; date:</b>

**1.DESCRPTION OF DUC**

Name Of The Duc: pipette Make : thermo scientific Model : finnpipette f3 Sl.No : rw09973 Range/Size : 10-100 micro litter	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 :lab
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**THE MASTERS ARE TRACEABLE TO NATIONAL/INTERNATIONAL STANDARDS AS PER ISO/IEC 17025.**

**2.DETAILES OF MASTER USED**

Standard Instrument Used	Make/ Model	Id No	Traceable To/Certificate No	Validity
Multi Product Calibrator	Fluke	Rml-262	Wavecal,Blr/Cs-18/01-01	1-6-2024
Micro balance	mettler toledo/XP26PC	QP-01	B115129039/CC-2523	1-6-2024
Universal Measuring Instrument With Sensor For Envirmental Parameter	ALMEMO/2590-4AS	QP-10	H19070544/CC-2052	1-6-2024

**CALIBRATION FIELD: WEIGHT Calibration**

Sl.no	Range	Master readings micro litter	Calibrated values micro litter	Error observed micro litter	Uncertainty
1	10-100 micro litter	10	9.9	0.1	0.055
2	10-100 micro litter	50	49.9	0.1	0.055
3	10-100 micro litter	80	79.9	0.1	0.055
4	10-100 micro litter	90	89.9	0.1	0.055
5	10-100 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
  - 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
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 CERTIFICATE NO CC-2752

**CALIBRATION CERTIFICATE**

ULR Number: CC275219000083790F

<b>Name and address of the customer</b> The Medical Officer Government Primery Health Centre VILAKUDI–Thiruvavarur(dist)	<b>Certificate no</b> : Rmtl/01/319107850/93
	<b>Date of calibration</b> :27/09/2023
	<b>Suggested calibration due</b> : 26/09/2024
	<b>Customer po .reference.&amp; date:</b>

**1.DESRIPTION OF DUC**

Name Of The Duc: pipette Make : thermo scientific Model : finnpipette f3 Sl.No : NA Range/Size : 100-1000 micro litter	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 :lab
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**THE MASTERS ARE TRACEABLE TO NATIONAL/INTERNATIONAL STANDARDS AS PER ISO/IEC 17025.**

**2.DETAILES OF MASTER USED**

Standard Instrument Used	Make/ Model	Id No	Traceable To/Certificate No	Validity
Multi Product Calibrator	Fluke	Rml-262	Wavecal,Blr/Cs-18/01-01	1-6-2024
Micro balance	mettler toledo/XP26PC	QP-01	B115129039/CC-2523	1-6-2024
Universal Measuring Instrument With Sensor For Envirmental Parameter	ALMEMO/2590-4AS	QP-10	H19070544/CC-2052	1-6-2024

**CALIBRATION FIELD: WEIGHT Calibration**

Sl.no	Range	Master readings micro litter	Calibrated values micro litter	Error observed micro litter	Uncertainty
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

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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 CERTIFICATE NO CC-2752

## CALIBRATION CERTIFICATE

ULR Number: CC275219000083790F

<b>Name and address of the customer</b> The Medical Officer Government Primary Health Centre VILAKUDI–Thiruvavur(dist)	<b>Certificate no</b> : Rmtl/01/319107850/94 <b>Date of calibration</b> : 27/09/2023 <b>Suggested calibration due</b> : 26/09/2024 <b>Customer po .reference.&amp; date:</b>
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### 1.DESRIPTION OF DUC

<b>Name Of The Duc:</b> CENTRIFUGE <b>Make</b> : LABOTECH <b>Model</b> : BDI 152 <b>Sl.No</b> : M262 <b>Range/Size</b> : 1-4000RPM/230v	<b>Receiving Condition Of Duc</b> : Good <b>Ref. Document</b> : As Per Manufactures Specification <b>Environmental Condition</b> : 25.3 Deg & 54.3% Rh <b>Uncertainty Of Measurement</b> : As Per Report <b>Location</b> : lab
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**THE MASTERS ARE TRACEABLE TO NATIONAL/INTERNATIONAL STANDARDS AS PER ISO/IEC 17025.**

### 2.DETAILED OF MASTER USED

Standard Instrument Used	Make/ Model	Id No	Traceable To/Certificate No	Validity
Decade Megohm	Vaisashika	Rml-230	Vaiseshika,Ambala Cantt/Ved/Nabl/18-19(Et)/92	1-6-2024
Digital Tachometer	Mextec	Rml-251	Gsg/19/206/Tm/01	1-6-2024
Multi Product Calibrator	Fluke	Rml-262	Wavecal,Blr/Cs-18/01-01	1-6-2024
Multi Product Calibrator (Ac/Dc Current Coil)	Transmille	Rml-252-1	Wavecal,Blr/Cs-18/69-01	1-6-2024
Leakage Current Tester	Htc/CI-2054	Rml-254-1	Rmtl/01/319107848	1-6-2024

**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 CALIBRATION** Ac 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

**CALIBRATION FIELD:** RPM Calibration

Sl.no	Range	Master readings RPM	Calibrated values RPM	Error observed RPM	Uncertainty RPM
1	1RPM to 4000RPM	1600RPM	1599RPM	1RPM	0.055

### 4.remarks

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

4.2 the 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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 CERTIFICATE NO CC-2752

### CALIBRATION CERTIFICATE

ULR Number: CC275219000083790F

<b>Name and address of the customer</b> The Medical Officer Government Primary Health Centre VILAKUDI–Thiruvapur(dist)	<b>Certificate no</b> : Rmtl/01/319107850/95 <b>Date of calibration</b> :27/09/2023 <b>Suggested calibration due</b> : 26/09/2024 <b>Customer po .reference.&amp; date:</b>
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#### 1.DESRIPTION OF DUC

<b>Name Of The Duc</b> : SEMI AUTO ANALYSER <b>Make</b> : Genuine biosystem <b>Model</b> : GB235 <b>Sl.No</b> : BA CL 3688 <b>Range/Size</b> : 230v	<b>Receiving Condition Of Duc</b> :Good <b>Ref. Document</b> :As Per Manufactures Specification <b>Environmental Condition</b> :25.3 Deg & 54.3% Rh <b>Uncertainty Of Measurement</b> :As Per Report <b>Location</b> :lab
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**THE MASTERS ARE TRACEABLE TO NATIONAL/INTERNATIONAL STANDARDS AS PER ISO/IEC 17025.**

#### 2.DETAILED OF MASTER USED

Standard Instrument Used	Make/ Model	Id No	Traceable To/Certificate No	Validity
Decade Megohm	Vaisashika	Rml-230	Vaiseshika,Ambala Cantt/Ved/Nabl/18-19(Et)/92	1-6-2024
Multi Product Calibrator	Fluke	Rml-262	Wavecal,Blr/Cs-18/01-01	1-6-2024
Multi Product Calibrator (Ac/Dc Current Coil)	Transmille	Rml-252-1	Wavecal,Blr/Cs-18/69-01	1-6-2024
Leakage Current Tester	Htc/Cl-2054	Rml-254-1	Rmtl/01/319107848	1-6-2024

**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 CALIBRATION**Ac 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

- 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
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