



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



NABL/ILAC/024

NABL ACCREDITATION
 CERTIFICATE NO CC-2752

CALIBRATION CERTIFICATE

ULR Number: CC275219000083790F

| | |
|---|---|
| Name and address of the customer The Medical Officer Government Primery Health Centre vadaseri–thanjavur (dist) | Certificate no : Rmtl/01/319107852/16 Date of calibration :1/10/2023 Suggested calibration due : 30/09/2024 Customer po .reference.& date: |
|---|---|

1.DESRIPTION OF DUC

| | |
|--|--|
| Name Of The Duc: pipette Make : THERMO SCIENTIFIC Model : FINEPIPETTE Sl.No : PW02306 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 |
|--|--|

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
 - 4.3 DUC –device under calibration
- Calibration label /status : Calibration result pass & fail are indicated

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|--|--|--|--|
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|---|---|

1.DESRIPTION OF DUC

| | |
|---|--|
| Name Of The Duc: pipette Make : THERMO SCIENTIFIC Model : FINEPIPETTE 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 |
|---|--|

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 | mettle 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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| CALIBRATION ENGINEER | CALIBRATION SEAL | AUTHORIZED SIGN | This Report Refers Only To The Sample Submitted And May Not Be Reproduces In Full Or In Part, Without Written Permission From Roots Metrology & Testing Laboratory, Coimbatore, |
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| Name and address of the customer The Medical Officer Government Primery Health Centre vadaseri–thanjavur (dist) | Certificate no : Rmtl/01/319107852/18 |
| | Date of calibration :1/10/2023 |
| | Suggested calibration due : 30/09/2024 |
| | Customer po .reference.& date: |

1.DESRIPTION OF DUC

| | |
|-------------------------------|--|
| Name Of The Duc: pipette | Receiving Condition Of Duc :Good |
| Make : THERMO SCIENTIFIC | Ref. Document :As Per Manufactures Specification |
| Model : FINEPIPETTE | Environmental Condition :25.3 Deg & 54.3% Rh |
| Sl.No : NA | Uncertainty Of Measurement :As Per Report |
| Range/Size : 500 micro litter | Location :lab |

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

2.DETAILS 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 |
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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 | 500 | 499.9 | 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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