

### CALIBRATION CERTIFICATE

**Issued Date: 21/10/2022**

**ULR NO: CC275222000066290F**

- |                                    |  |
|------------------------------------|--|
| 1.0 REPORT NO.                     | : RMTL/01/322105059-A3   |
| 2.0 NAME & ADDRESS OF THE CUSTOMER | : M/s. Medavakkam Govt. Upgraded Primary Healthcare Center, 4th Street, Mandavali, Green court Medavakkam, Chennai, Tamilnadu 600 100. |
| 3.0 CUSTOMER'S REFERENCE           | : SRF - 20/10/2022   |
| 4.0 DESCRIPTION OF ITEM            | : MICRO PIPETTE<br>L.C : 1µl<br>Range : 100 - 1000µl<br>Make : Thermo Scientific<br>Location: ---                                      |
| 5.0 IDENTIFICATION /SL.NO.         | : RW02551  |
| 6.0 DATE OF RECEIPT OF ITEM        | : 20/10/2022   |
| 7.0 DATE OF CALIBRATION            | : 20/10/2022   |
| 8.0 NEXT CALIBRATION DUE           | : 19/10/2023   |

**DETAILS OF MASTER USED**

Standard Instrument Used	Make	ID NO.	Traceable to/Certificate No.	Validity
Electronic Weighing Balance	Radwag	RML-143	LCGC, Hyderabad/TC/8473/2022	24/02/2023

The masters are traceable to National / International standards

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| 9.0 CALIBRATION PROCEDURE REF.NO.  | : RMTL/WI/410  |
| 10.0 REFERENCE DOCUMENT  | : ISO 8655-6 : 2002  |
| 11.0 ENVIRONMENTAL CONDITIONS DURING CALIBRATION   | : Temperature : 24.3°C<br>Humidity : 49.7% RH<br>Atmospheric pressure : 1010.1 hpa |
| 12.0 TIPS USED FOR CALIBRATION   | : 1000 µl  |
| 13.0 MEDIUM USED FOR WEIGHING  | : Grade III - Water As Per ISO : 3696  |
| 14.0 DENSITY CORRECTION FACTOR (Z)   | : 1.0034 µl/mg   |
| 15.0 ESTIMATED UNCERTAINTY OF MEASUREMENT (AT CONFIDENCE LEVEL OF APPROXIMATELY 95% FOR A COVERAGE FACTOR k=2)                                     | : As Reported  |
| 16.0 RESULT OF CALIBRATION   | : Refer sheet 2  |
| 17.0 The reported results are valid only for the condition of the Items received at the time of and under the stated conditions of the calibration |  |

<p><b>CALIBRATED BY (CALIBRATION ENGINEER)</b></p>  <p>V. VARAJ.N</p>	<p><b>AUTHORIZED BY (QM/TM/DY.TM/SrEr)</b></p>  <p>KAMALAKANNAN.R</p>	<p>This Report refers only to the sample submitted and may not be reproduced in full or in part, without written permission from Roots Metrology &amp; Testing Laboratory, Coimbatore.</p> <p style="text-align: right;">1 of 2</p>
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# ROOTS INDUSTRIES INDIA LIMITED

## ROOTS METROLOGY & TESTING LABORATORY

R.K.G. Industrial Estate, Ganapathy, Coimbatore - 641 006, INDIA  
Phone : 0422 - 4330145 / 4330146 / 4330147 Fax : 0422 - 2332107, E-mail : rilmetlab@roots.co.in



### CALIBRATION CERTIFICATE

Issued Date: 21/10/2022

ULR NO: CC275222000066289F

- 1.0 REPORT NO. : RMTL/01/322105059-A2
- 2.0 NAME & ADDRESS OF THE CUSTOMER : M/s. Medavakkam Govt. Upgraded Primary Healthcare Center,4th Street,Mandavali,Green court Medavakkam,Chennai,Tamilnadu 600 100.
- 3.0 CUSTOMER'S REFERENCE : SRF - 20/10/2022
- 4.0 DESCRIPTION OF ITEM : MICRO PIPETTE  
L.C : 0.1 $\mu$ l  
Range : 10 - 100 $\mu$ l  
Make : Thermo Scientific  
Location: ---
- 5.0 IDENTIFICATION /SL.NO. : RW05772
- 6.0 DATE OF RECEIPT OF ITEM : 20/10/2022
- 7.0 DATE OF CALIBRATION : 20/10/2022
- 8.0 NEXT CALIBRATION DUE : 19/10/2023

#### DETAILS OF MASTER USED

Standard Instrument Used	Make	ID NO.	Traceable to/Certificate No.	Validity
Electronic Weighing Balance	Radwag	RML-143	LCGC,Hyderabad/TC/8473/2022	24/02/2023

The masters are traceable to National / International standards

- 9.0 CALIBRATION PROCEDURE REF.NO. : RMTL/WI/410
- 10.0 REFERENCE DOCUMENT : ISO 8655-6 : 2002
- 11.0 ENVIRONMENTAL CONDITIONS DURING CALIBRATION : Temperature : 24.3 $^{\circ}$ C  
Humidity : 49.7% RH  
Atmospheric pressure : 1010.1 hpa
- 12.0 TIPS USED FOR CALIBRATION : 100  $\mu$ l
- 13.0 MEDIUM USED FOR WEIGHING : Grade III - Water As Per ISO : 3696
- 14.0 DENSITY CORRECTION FACTOR (Z) : 1.0034  $\mu$ l/mg
- 15.0 ESTIMATED UNCERTAINTY OF MEASUREMENT (AT CONFIDENCE LEVEL OF APPROXIMATELY 95% FOR A COVERAGE FACTOR k=2) : As Reported
- 16.0 RESULT OF CALIBRATION : Refer sheet 2
- 17.0 The reported results are valid only for the condition of the Items received at the time of and under the stated conditions of the calibration

CALIBRATED BY (CALIBRATION ENGINEER)

AUTHORIZED BY (QM/TM/DY.TM/Sr.Er)

YUVARAJ.N

KAMALAKANNAN.R

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### CALIBRATION CERTIFICATE

**Issued Date: 21/10/2022**

**ULR NO: CC275222000066288F**

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|------------------------------------|---|
| 1.0 REPORT NO.                     | : RMTL/01/322105059-A1  |
| 2.0 NAME & ADDRESS OF THE CUSTOMER | : M/s. Medavakkam Govt. Upgraded Primary Healthcare Center,4th Street,Mandavali,Green court Medavakkam,Chennai,Tamilnadu 600 100. |
| 3.0 CUSTOMER'S REFERENCE           | : SRF - 20/10/2022  |
| 4.0 DESCRIPTION OF ITEM            | : MICRO PIPETTE<br>L.C : FIXED<br>Range : 10 µl<br>Make : Alpha<br>Location: ---  |
| 5.0 IDENTIFICATION /SL.NO.         | : 52.012941   |
| 6.0 DATE OF RECEIPT OF ITEM        | : 20/10/2022  |
| 7.0 DATE OF CALIBRATION            | : 20/10/2022  |
| 8.0 NEXT CALIBRATION DUE           | : 19/10/2023  |

**DETAILS OF MASTER USED**

Standard Instrument Used	Make	ID NO.	Traceable to/Certificate No.	Validity
Electronic Weighing Balance	Radwag	RML-143	LCGC,Hyderabad/TC/8473/2022	24/02/2023

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| 9.0 CALIBRATION PROCEDURE REF.NO.  | : RMTL/WI/410  |
| 10.0 REFERENCE DOCUMENT  | : ISO 8655-6 : 2002  |
| 11.0 ENVIRONMENTAL CONDITIONS DURING CALIBRATION   | : Temperature : 24.3°C<br>Humidity : 49.7% RH<br>Atmospheric pressure : 1010.1 hpa |
| 12.0 TIPS USED FOR CALIBRATION   | : 10 µl  |
| 13.0 MEDIUM USED FOR WEIGHING  | : Grade III - Water As Per ISO : 3696  |
| 14.0 DENSITY CORRECTION FACTOR (Z)   | : 1.0034 µl/mg   |
| 15.0 ESTIMATED UNCERTAINTY OF MEASUREMENT (AT CONFIDENCE LEVEL OF APPROXIMATELY 95% FOR A COVERAGE FACTOR k=2)                                     | : As Reported  |
| 16.0 RESULT OF CALIBRATION   | : Refer sheet 2  |
| 17.0 The reported results are valid only for the condition of the Items received at the time of and under the stated conditions of the calibration |  |

**CALIBRATED BY (CALIBRATION ENGINEER)**

**AUTHORIZED BY (QM/TM/DY.TM/Sr.Er)**

*Yusuf Bae*  
YUSUF BAE

*Kamalakanan R*  
KAMALAKANNAN.R

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