

# CALIBRATION CERTIFICATE

CC-2760

|  |                                    |                                    |                                    |
|--|------------------------------------|------------------------------------|------------------------------------|
| EQN/FT/7.8/01                                |                                    | Page 1 of 2                        |                                    |
| CRF No. :                                    | EQN/CRF/2304012                    | Date of Calibration :              | 13-Apr-23                          |
| Certificate No :                             | 2023-24/EQN/2304012-01             | Recom. Due Date :                  | 12-Apr-24                          |
| ULR No. :                                    | CC276023000004824F                 |                                    |                                    |
| <b>Customer Details</b>                      |                                    | <b>Calibrated at</b>               |                                    |
| THE MEDICAL OFFICER                          |                                    | : Lab                              |                                    |
| Govt Primary Health Centre                   |                                    | Date of Receipt : 13-Apr-23        |                                    |
| Zamin Uthukuli                               |                                    | Cond. On Receipt : Satisfactory    |                                    |
|  |                                    | Date of Issue : 15-Apr-23          |                                    |
| <b>Details of UUC :</b>                      |                                    |                                    |                                    |
| Description :                                | Micropipette                       | Model No. :                        | Finnpipette F3                     |
| Range :                                      | 10 - 100 µl                        | Serial No. :                       | RW01637                            |
| Least Count :                                | 0.2µl                              | Identification No. :               | --                                 |
| Make :                                       | Thermo Scientific                  | Accuracy :                         | As Per ISO 8655-6                  |
| Working range :                              | --                                 | Location :                         | Lab                                |
| <b>Details of Standard Used :</b>            |                                    |                                    |                                    |
| Name   | Certificate No.                    | Valid upto                         | Traceability                       |
| Electronic SemiMicro Balance                 | 2022-23/EQN/2205021-02             | 08-May-23                          | EQN, Chennai.                      |
| CP No. :                                     | EQN/CP/MS-03                       | Reference Standard : ISO 8655-6    |                                    |
| Environmental Details : Temperature : 25±2°C |                                    | Relative Humidity : 50±10 % RH     |                                    |
| <b>MECHANICAL CALIBRATION</b>                |                                    |                                    |                                    |
| (Volume)                                     |                                    |                                    |                                    |
| <b>Calibration Results</b>                   |                                    |                                    |                                    |
| <b>1. Lower Volume :</b>                     | <b>10 µl</b>                       | <b>No. of Measurements :</b>       | <b>10</b>                          |
| <input type="text" value="10.06"/>           | <input type="text" value="10.03"/> | <input type="text" value="9.99"/>  | <input type="text" value="10.02"/> |
| <input type="text" value="9.94"/>            | <input type="text" value="10.06"/> | <input type="text" value="10.02"/> | <input type="text" value="10.01"/> |
| <input type="text" value="9.99"/>            | <input type="text" value="10.02"/> |                                    |                                    |
| <b>Mean Value :</b>                          | <b>10.01 µl</b>                    |                                    |                                    |
| <b>Error Limits(±)</b>                       |                                    |                                    |                                    |
| <b>Systematic Error :</b>                    | <b>0.01 µl</b>                     | <b>0.12 µl</b>                     |                                    |
| <b>Systematic Error :</b>                    | <b>0.15 %</b>                      | <b>1.20 %</b>                      |                                    |
| <b>Random Error :</b>                        | <b>0.04 µl</b>                     | <b>0.08 µl</b>                     |                                    |
| <b>Random Error :</b>                        | <b>0.36 %</b>                      | <b>0.80 %</b>                      |                                    |
| <b>Measurement Uncertainty :</b>             |                                    | <b>± 0.37 µl</b>                   |                                    |

Calibrated by :

  
 L.SALAMON

(Calibration Engineer)



Authorised by:

  
 V. RAJKARTHICK  
 (QM)