



# ALLWIN MEDICAL SYSTEMS

No. 2/4, 2nd Street, 1st Floor, Jayalakshmi Nagar,  
Kattupakkam, Chennai - 600 056, Tamilnadu, India,  
Cell : 9443663366

Email : allwinmedicalsyste.ms@gmail.com

## CALIBRATION CERTIFICATE

Date: 03.10.2023

|  |                           |                     |           |
|--|---------------------------|---------------------|-----------|
| Calibration Name & Address                               |                           | Certificate No      | AWMS87C23 |
| Government Primary Health Centre<br>Kovalai              |                           |                     |           |
| Details of Device Under Calibration (DUC)                |                           |                     |           |
| Description  | : Micro Pipette           | Make:               | Microlux  |
| Range  | : 05 - 50ul, 100 - 1000ul | Model :             |           |
| Least Count  | : $\pm 2$                 | Sr.No :             |           |
| DUC Condition  | :                         | Location :          | Lab       |
| Environmental Conditions & Calibration Procedure Details |                           |                     |           |
| Environmental Details                                    | Temperature: 25°C         | Relative humidity   | 51%RH     |
| Sample Calibration date                                  | 06.03.23                  | Calibration Done at | ON SITE   |

### CALIBRATION RESULTS

| S.No | DEVICE UNDER CALIBRATION READINGS | STANDARD INSTRUMENTS READINGS |       |        | DEVIATION | EXPANDED UNCERTAINTY( $\pm$ )2ul |
|------|-----------------------------------|-------------------------------|-------|--------|-----------|----------------------------------|
| 1    | 100 - 1000ul                      | 1000ul                        | 999ul | 1000ul | -1        | Ok                               |
| 2    | 05 - 50ul                         | 50ul                          | 50ul  | 50ul   | Ok        | Ok                               |

### Remarks

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- 2.The user Should be determine the suitability of the instrument for its intended use
- 3.The Recalibration interval should be determine on the User requirement.
- 4.The results Stated in this Certificate relate only to the item Calibrated
- 5.The indicated uncertainties are expanded uncertainty estimated for a confidence level of approximately 95% for coverage factor K=2.00
- 6.Equipment Used for Calibration were Calibrated & Traceable to National & International Standards

Calibrated By

Authorized Signatory





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## CALIBRATION CERTIFICATE

Calibration Name & Address

Date: 03.10.2023

The Medical Officer

CERTIFICATE NO: AWM13D23

Government Primary Health Centre  
Kovalai.

### Details of Device Under Calibration (DUC)

Description : SEMI AUTO ANALYZER

Make : Robonik

Range :

Model : Pritest Touch

Least Count :

Sr.No : ATCD0951220RBK

DUC Condition : Satisfactory

Location : LAB

### Environmental Conditions & Calibration Procedure Details

Environmental Details

Temperature: 25°C

Relative humidity

51%RH

Sample Calibration Date

06/03/2023

Calibration Done at

ON SITE

### RESULTS

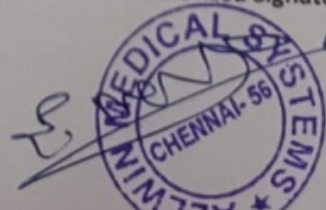
| S.No | Specification           | Measured Values in $\Omega$    | Allowable limit in $\Omega$  | Uncertainty in $\Omega$  | Remarks   |
|------|-------------------------|--------------------------------|------------------------------|--------------------------|-----------|
| 1    | Earth Bond Resistance   | 0.268                          | $<2\Omega$                   | 0.02                     | PASS/FAIL |
|      |                         | Measured Values in $M\Omega$   | Allowable limit in $M\Omega$ | Uncertainty in $M\Omega$ | Remarks   |
| 2    | Insulation Resistance   | 43.99                          | $>2 M\Omega$                 | 5.32                     | PASS/FAIL |
|      |                         | Measured Values in $\mu\Omega$ | Allowable limit in $\mu A$   | Uncertainty in $\mu A$   | Remarks   |
| 3    | Earth Leakage (NC)      | 205                            | $<5000 \mu A$ for B, BF,CF   | 18.54                    | PASS/FAIL |
| 4    | Earth Leakage (SFC)     | 434                            | $<1000\mu A$ for B, BF,CF    |                          | PASS/FAIL |
|      |                         | Measured values in $\mu A$     | Allowable limit in $\mu A$   | Uncertainty in $\mu A$   | Remarks   |
| 5    | Enclosure Leakage (NC)  | 5                              | $<1000\mu A$ for B, BF,CF    | 3.78                     | PASS/FAIL |
| 6    | Enclosure Leakage (SFC) | 281                            | $<500\mu A$ for B, BF,CF     | 19.30                    | PASS/FAIL |

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## CALIBRATION CERTIFICATE

Date : 03.10.2023

|  |                   |                     |         |
|--|-------------------|---------------------|---------|
| Calibration Name & Address                               | Certificate No    | AWMS83C23           |         |
| Government Primary Health Centre<br>Kovalai.             |                   |                     |         |
| Details of Device Under Calibration (DUC)                |                   |                     |         |
| Description : Centrifuge                                 | Make : Remi       |                     |         |
| Range : 0-3000 RPM                                       | Model : R 8c      |                     |         |
| Least Count : $\pm 10$ RPM                               | Sr.No :           |                     |         |
| DUC Condition :  | Location : Lab    |                     |         |
| Environmental Conditions & Calibration Procedure Details |                   |                     |         |
| Environmental Details                                    | Temperature: 25°C | Relative humidity   | 54%RH   |
| Sample Calibration date                                  | 06.03.23          | Calibration Done at | ON SITE |

### CALIBRATION RESULTS

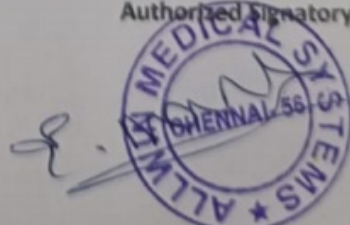
| S.No | DEVICE UNDER CALIBRATION READINGS | STANDARD INSTRUMENTS READINGS | DEVIATION | EXPANDED UNCERTAINTY( $\pm$ )<br>25 RPM |
|------|-----------------------------------|-------------------------------|-----------|---|
| RPM  |                                   |                               |           |   |
| 1    | 1200                              | 1200                          | 0         | Ok                                      |
| 2    | 1800                              | 1800                          | 0         | Ok                                      |
| 3    | 2400                              | 2400                          | 0         | Ok                                      |
| 4    | 3000                              | 3000                          | 0         | Ok                                      |

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## CALIBRATION CERTIFICATE

Date: 03.10.2023

Calibration Name & Address

CERTIFICATE NO: AWM91C23

The Medical Officer  
Government Primary Health Centre,  
Kovalai

### Details of Device Under Calibration (DUC)

|               |                |          |            |
|---------------|----------------|----------|------------|
| Description   | : Microscope   | Make     | : OLYMPLUS |
| Range         | : -            | Model    | :          |
| Least Count   | : -            | Sr.No    | : i11L097  |
| DUC Condition | : Satisfactory | Location | : LAB      |

### Environmental Conditions & Calibration Procedure Details

|                         |                   |                     |         |
|-------------------------|-------------------|---------------------|---------|
| Environmental Details   | Temperature: 25°C | Relative humidity   | 61%RH   |
| Sample Calibration Date | 09/03/2023        | Calibration Done at | ON SITE |

### RESULTS

| S.No | Specification           | Measured Values in $\Omega$    | Allowable limit in $\Omega$    | Uncertainty in $\Omega$<br>$\pm$ | Remarks   |
|------|-------------------------|--------------------------------|--------------------------------|----------------------------------|-----------|
| 1    | Earth Bond Resistance   | 0.225                          | $<2\Omega$                     | 0.02                             | PASS/FAIL |
|      |                         | Measured Values in $M\Omega$   | Allowable limit in $M\Omega$   | Uncertainty in $M\Omega$         | Remarks   |
| 2    | Insulation Resistance   | 80.63                          | $>2 M\Omega$                   | 8.41                             | PASS/FAIL |
|      |                         | Measured Values in $\mu\Omega$ | Allowable limit in $\mu\Omega$ | Uncertainty in $\mu\Omega$       | Remarks   |
| 3    | Earth Leakage (NC)      | 121                            | $<5000 \mu\Omega$ for B, BF,CF | 14.52                            | PASS/FAIL |
| 4    | Earth Leakage (SFC)     | 248                            | $<1000\mu\Omega$ for B, BF,CF  | 20.63                            | PASS/FAIL |
|      |                         | Measured values in $\mu\Omega$ | Allowable limit in $\mu\Omega$ | Uncertainty in $\mu\Omega$       | Remarks   |
| 5    | Enclosure Leakage (NC)  | 5                              | $<1000\mu\Omega$ for B, BF,CF  | 2.47                             | PASS/FAIL |
| 6    | Enclosure Leakage (SFC) | 209                            | $<500\mu\Omega$ for B, BF,CF   | 19.58                            | PASS/FAIL |

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