

| | | | | CAL | .IBRA | <u>TION</u> | CER | TIFIC | <u>A</u> | <u>Έ</u> | <u> </u> | |
|---------------------------------------|----------------|---------|--------------|-------------|----------------------------|--------------------------------|---------------|-----------|----------|------------------|-----------|-----------|
| CERTIFI | CATE N | O: SB | S/CL/23/ | 13924 | | | N | EDICAL | DEV | ICES | Page N | lo:1 of 1 |
| Issue Da | ite | | | | | 10-1 | 0-2023 | | | | | |
| SRF No | & Date | | | | | SRF/23/00840-0001 & 09-10-2023 | | | | | | |
| Receipt [| Date | | | | | 09-1 | 0-2023 | | | | | |
| Calibratio | on Date | | | | | 09-1 | 0-2023 | | | | | |
| Calibration | on Due | | | | | 08-1 | 0-2024 | | | | | |
| Custome | <u>er Name</u> | & Add | <u>iress</u> | | | | | | | | | |
| | | | | LTH CENT | • | | | • | | | | |
| MEKKRII | IMANGA | LAM-6 | 09801,N | MAYILADUT | HURAI DIST | RICT. | | | | | | |
| | | | | | Details of [| Device U | nder Calibra | tion (DUC | ;) | | | |
| Descriptio | on | : | SEMI A | UTO ANALY | ZER | Make | & Model | : | | ROBONIK & PRIETI | EST TOUCH | |
| Range | | : | MULTI | | | Sr. N | 0 | : | | ATCD3790211RBK | | |
| Resolution | n | : | MULTI | | | Identification No : NA | | | | | | |
| DUC Cond | dition | : | SATISI | ACTORY | | Locat | ion | : | | LABORATORY | | |
| | | | | | nmental Con | ditions | & Calibration | Procedu | re De | etails | - | |
| <u>Environme</u> | ental Det | ails | | Temperature | :25.6 ° C | | Relative Hur | nidity | | 52% RH | | _ |
| Calibration Procedure No SBS/CP/MD/20 | | | | | Calibration done at ONSITE | | | | | | | |
| | | | | | Refe | rence S | tandards De | tails | | | | |
| S.No Des | scription | | | | Make/ SI N | o: | | Certific | ate N | 0 | 1 | /alidity |
| 1 Fle | ctrical Sa | fetv An | alvser | | Rigel Medic | nal & AA1 | _1050 | M-2308 | 30_16 | 4 | | 10-08-202 |

ELECTRICAL SAFETY

| R | F۶ | ì | н | T | 8 |
|---|----|---|---|---|---|

| S.no | SPECIFICATION | MEASURED VALUES | EXPANDED UNCERTAINTY (±) |
|------|------------------------|-----------------------|--------------------------|
| 1 | Insulation Resisitance | Measured values in MΩ | Uncertainty in % (±) |
| | >20MΩ | 97 | 13.92 |
| 2 | Earth Leakage | Measured values in μA | Uncertainty in % (±) |
| | <5000µAfor B,BF,CF | 125 | 8.0 |
| 3 | Enclosure Leakage | Measured values in µA | Uncertainty in % (±) |
| | <500µAfor B,BF,CF | 235 | 7.2 |

REMARKS

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- 3. The recalibration interval should be determined 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 a coverage factor k=2.00.

6. Equipment used for Calibration were calibrated & traceable to National & International Standards.

Calibrated By

(Calibration Engineer)
M.DINESH





Chief Executive

Authorised Signatory



| | | | CALI | BRA' | <u>TION</u> | CER1 | TIFICA | <u>TE</u> | | | |
|-----------------------------|------------------|-------------|-------------|------------|---|-------------|----------------|------------|-----------|--------------------------------------|--|
| CERTIFICATE N | 0: | SBS/CL/2 | 3/13925 | | | M | ECHANICA | L T | Pa | ge No:1 of 1 | |
| Issue Date | | | | | 10-10-2023 | | | | | | |
| SRF No & Date | | | | | SRF/23/00840-0002 & 09-10-2023 | | | | | | |
| Receipt Date | | | | | 09-10-20 | 23 | | | | | |
| Calibration Date 09-10-2023 | | | | | | | | | | | |
| Calibration Due | | | | | 08-10-20 | 24 | | | | | |
| Customer Name | & Add | ress | | | | | | | | | |
| GOVERNMANT F | PRIMA | RY HEALTH | CENTRE, | | | | | - | - | - | |
| MEKKRIIMANGA | LAM-6 | 09801,MAYIL | ADUTHUR | AI DISTR | ICT. | | | | | | |
| | | | De | tails of D | evice Und | der Calibra | tion (DUC) | | | | |
| Description | : | CENTRIF | JGE | | Make & N | /lodel | : | REM | & C-854/8 | , | |
| Range | : | 5250 | RPM | | Sr. No | | | NA | | | |
| Resolution | : | 10 | RPM | | Identifica | tion No | : | NA | | | |
| DUC Condition | : | Satisfactor | у | | Location | | : | LABO | RATORY | | |
| | | Envi | ronmental (| Condition | ns & Stan | dard Oper | ating Proce | dure Deta | ils | | |
| Environmental De | tails | | Temperatur | e: 24.3 º | С | Relative Hu | ımidity | 54 % | Rh | | |
| Calibration Procee | dure N | 0 | SBS/CP/MU | J04 | | Calibration | done at | ONSI | TE | ···································· | |
| | | | | Refe | rence Sta | ndards De | tails | • | | | |
| S.No Description | S.No Description | | | | Make/ SI No: | | Certificate No | | | Validity | |
| 1 Digital Tac | homete | er | | Lutron 8 | utron & Q638380 JRPM-CCTR-A&S-2022-0036 (| | | 03-10-2023 | | | |

CALIBRATION RESULTS

| S.No | DEVICE UNDER CALIBRATION READINGS | STANDARD INSTRUMENTS | DEVIATION | EXPANDED UNCERTAINTY (±) |
|------|--------------------------------------|----------------------|-----------|--------------------------|
| * | RPM | RPM | RPM | % |
| 1 | 1000 | 999.7 | 0.3 | 4.2 |
| 2 | 2000 | 1998 | 2 | 4.2 |
| 3 | 3000 | 2997 | 3 | 4.2 |

REMARKS

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- 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 a coverage factor k=2.00.
- 6. Equipment used for Calibration were calibrated & traceable to National & International Standards.

Calibrated By

(Calibration Engineer)

M.DINESH

Authorised Signatory

Quality Manager

(C.SIVABALAN)

Authorised Signatory

(C.SIVABALAN)

SUNSHINE BIOMEDICAL SOLUTIONS



| | | | CAL | <u>IBRAT</u> | <u> 101</u> | V CER | TIFIC | A | TE_ | · |
|---------------------|--------------------------------------|----------|--------------|---------------|----------------|---------------|----------|------------|--------------|----------------|
| CERTIFICATE | NO: SE | S/CL/23/ | 13926 | | | N | IEDICAL | DE | VICES | Page No:1 of 1 |
| Issue Date | | | - | | 10-1 | 0-2023 | | | | <u> </u> |
| SRF No & Date | | | | | SRF | /23/00840-00 | 003 & 09 | -10- | 2023 | |
| Receipt Date | | | | | 09-1 | 0-2023 | | | | |
| Calibration Date | е | | | | 09-1 | 0-2023 | | | | |
| Calibration Due | ; | | | | 08-1 | 0-2024 | | | | |
| Customer Nam | e & Ad | dress | | *** | | | | | | |
| GOVERNMANT | PRIM | ARY HEA | LTH CENTR | E, | | | | | | |
| MEKKRIIMANG | ALAM- | 609801,N | /AYILADUTH | IURAI DISTI | RICT. | | | | | |
| | | | | Details of De | evice L | Inder Calibra | tion (DU | ;) | | |
| Description | : | MICRO | SCOPE | | Make | & Model | : | | LABOMED & NA | |
| Range | : | MULTI | | | Sr. N | 0 | : | | 220438768 | |
| Resolution | : | MULTI | | | Identi | fication No | : | | NA . | |
| DUC Condition | : | SATIS | FACTORY | | Locat | ion | : | | LABORATORY | |
| | | | Environ | mental Cond | itions | & Calibration | Procedu | re D | etails | |
| Environmental De | etails | | Temperature: | 25.6 ° C | " | Relative Hun | nidity | | 52% RH | - |
| Calibration Proce | dure No | | SBS/CP/MD/2 | 20 | | Calibration d | one at | | ONSITE | |
| | | | | Refer | ence S | tandards De | tails | | | · |
| S.No Descriptio | n | | | Make/ SI No | o: Certificate | | ate i | lo . | Validity | |
| 1 Electrical S | Electrical Safety Analyser Rigel Med | | | | | | | | | 10-08-202 |

ELECTRICAL SAFETY

RESULTS

| S.no | SPECIFICATION | MEASURED VALUES | EXPANDED UNCERTAINTY (±) |
|------|------------------------|-----------------------|--------------------------|
| 1 | Insulation Resisitance | Measured values in MΩ | Uncertainty in % (±) |
| | >20MΩ | 97 | 13.92 |
| 2 | Earth Leakage | Measured values in μA | Uncertainty in % (±) |
| | <5000µAfor B,BF,CF | 168 | 7.6 |
| 3 | Enclosure Leakage | Measured values in µA | Uncertainty in % (±) |
| | <500µAfor B,BF,CF | 241 | 7.2 |

REMARKS

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- 5. The indicated uncertainties are expanded uncertainty estimated for a confidence level of approximately 95% for a coverage factor k=2.00.

6. Equipment used for Calibration were calibrated & traceable to National & International Standards.

(Calibration Engineer)
M.DINESH

Calibrated By





Chief Executive

Authorised Signatory

SUNSHINE BIOMEDICAL SOLUTIONS



| | | CA | 4LIB | RATIO | V CERTIF | ICATE | | | |
|------------------------------------|-------------|----------------|-----------|--------------|-----------|-------------------------|------------|---------------|------------------|
| Certificate No: SBS/CL/23/139: | 7 | <u> </u> | | | | | | | Page. No: 1 of 1 |
| Customer Name & Address | | | | | | | | | |
| | | | | | SRF No. | | | SRF/23/00840 | -0004 |
| GOVERNMENT PRIMARY HE | ALTH CENTR | RE, | | | SRF Date | 5 | | 09-10-2023 | |
| MEKKIRIMANGALAM- 6 0980 | ,MAYILADU | THURAI DIST | RICT. | | Date of F | Receipt | | 07-10-2023 | |
| | | | | | Date of C | Calibration | | 09-10-2023 | |
| | | | | | Due Date | e for Calibration | | 08-10-2024 | |
| | | | | | Issue Da | te | | 10-10-2023 | |
| Details of Unit Under Calibrat | ion | | | | | | ··- | | |
| Description | MICRO PIP | ETTE | | | Make | | | THERMO SC | IENTIFIC |
| Range | 100-1000µl | | | | Model | | | FINNPIPETI | E F3 |
| Resolution | 1µl | | | | Material | | | PVC | |
| Serial Number | RW12507 | , | | | Operatin | g Range | | لبر1000-1000 | |
| ID Number | NA | | | | Conditio | n of UUC | _ | Good | |
| Cal. At | Mechanical | Lab | | | Instrume | nt Location | | LABORATO | RY |
| | Environment | al Condition | | | <u> </u> | Calibrat | ion Method | d Used | - "- |
| Temperature (°C) | 23.6 | Humidity (%R | RH) | 55 | National | / International Standar | rd. | ISO 8655-6:20 | 002 |
| Atmospheric Pressure (mbar) | 1006 | Water Temperal | ture (°C) | 21.6 | Cal Proce | edure No | | SBS/CP/ML/0 | 18 |
| Standard Used | | | | | | | | | |
| SI. No. Description | ID.No./ | SI. No. | | Certificate | No. | Make/Model | Trac | eability | Valid till |
| 1 Electronic Weighing Balance | 15112 | 2918 | 7 | TVCSPL22/12/ | 2115-01 | A&D & GH-252 | Nationa | l Standards | 09-12-2023 |
| - | - | • | | | | • | · | Z Factor: | 1.00319 |

| | | | | 1 | Result of Calibrat | tion in µl | | | • | |
|---------|------------------|------------------------------------|--------|-------------|--------------------|------------|--------------------|---------------------|-----------------|--------------------------------|
| Sl. No. | Nominal Value | | | Observed Re | adings | | Mean Value | Systematic Error | Random Error | Measurement Uncertainty (±) |
| 1 | 100 | 99.95 | 99.89 | 99.87 | 99.86 | 99.85 | | 0.15 | | |
| 1 | 100 | 99.86 | 99.87 | 99.86 | 99.87 | 99.85 | 9 9 .87 | -0.13 | 0.03 | 0.47 |
| 2 | 500 | 499.89 | 499.87 | 499.89 | 499.86 | 499.85 | 100.05 | 0.45 | 224 | |
| 2 | 500 | 499.85 | 499.76 | 499.85 | 499.86 | 499.85 | 499.85 | -0.15 | 0.04 | 0.47 |
| _ | 3 1000 | 999.78 | 999.79 | 999.78 | 999.77 | 999.79 | | | | |
| 3 | | 999.75 999.76 999.78 999.78 999.78 | | 999.78 | -0.22 | 0.01 | 0.47 | | | |

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- 6. The indicated uncertainties are expanded uncertainty estimated for a confidence level of approximately 95% for a coverage factor k=2.00.

600 032

7. Calibration Liquid Used: Distilled or Deionized water can DML Grade3 as specified in ISO 3696. Chennai

Calibrated By,

M. Falkstay (Calibration Engineer) M.ADHIBAN

Authorised by:

(Quality Manager/Chief Executive)

SUNSHINE BIOMEDICAL SOLUTIONS



| | UNSTIIN | | | CALIB | RATION CE | RTIF | ICATE | | | | |
|---|--------------------------------|-------------|--------------|--------------|---------------------|------------------|------------------------|-----------|-------------------|------------------|--|
| Certifica | te No: SBS/CL/23/13928 | | | | | | | | | Page. No: 1 of 1 | |
| Custome | r Name & Address | | | | | | | | | | |
| | | | | | | SRF No. | | | SRF/23/0084 | 0-0005 | |
| GOVERN | NMENT PRIMARY HEA | LTH CENT | RE, | | | SRF Date | | · | 09-10-2023 | | |
| MEKKIR' | IMANGALAM-609801,I | MAYILADU | THURAI D | ISTRICT. | | Date of R | eceipt | | 07-10-2023 | | |
| | | | | | | Date of C | alibration | _ | 09-10-2023 | <u> </u> | |
| | | | | | | Due Date | for Calibration | | 08-10-2024 | | |
| l . | | | | | | Issue Date | e | | 10-10-2023 | | |
| Details o | f Unit Under Calibratio | 'n | | <u></u> | | • | | | • | | |
| Descripti | ion | MICRO PII | PETTE | | | Make | | | THERMO SCIENTIFIC | | |
| Range | | 10-100µl | | | | Model | | | FINNPIPET | TE F3 | |
| Resolutio | on | 0.2µl | | | | Material | | | PVC | | |
| Serial Nu | ımber | RW09877 | | | | Operating | Range | | 10-100µl | | |
| ID Numb | per | NA | | | | Condition | of UUC | | Good | | |
| Cal. At | | Mechanical | l Lab | | | Instrumer | nt Location | | LABORATO | RY | |
| | E | Invironment | tal Conditio | n | | Τ | Calibrati | ion Metho | d Used | | |
| Temperat | ture (°C) | 23.6 | Humidity (| (%RH) | 55 | National / | International Standard | <u> </u> | ISO 8655-6:2 | 002 | |
| Atmospheric Pressure (mbar) 1006 Water Temperature (°C) 21. | | | | | 21.6 | Cal Procedure No | | | SBS/CP/ML/08 | | |
| Standard | Used | <u></u> | | - | | <u> </u> | | • | | · · · · · · | |
| SI. No. | Description | ID.No. | / SI. No. | | Certificate No. | | Make/Model | Trac | eability | Valid till | |
| 1 | Electronic Weighing Balance | 1511 | 2918 | Т | TVCSPL22/12/2115-01 | | | | | 09-12-2023 | |

| | | | | | | | _ | | | Z Factor: 1.00319 |
|---------|------------------|-------------|-------|------------|--------------------|-----------|---------------|---------------------|-----------------|--------------------------------|
| | | | | | Result of Calibrat | ion in µl | | | , | |
| Sl. No. | Nominal Value | | | Observed R | eadings | | Mean Value | Systematic Error | Random Error | Measurement Uncertainty (±) |
| 1 | 10.0 | 9.96 | 9.95 | 9.98 | 9.96 | 9.97 | 9.97 | -0.03 | 0.01 | 2.45 |
| | | 9.98 | 9.96 | 9.97 | 9.98 | 9.95 | | | | 0.47 |
| 2 | 50.0 | 49.86 | 49.85 | 49.87 | 49.86 | 49.85 | 49.91 | 0.00 | 0.05 | 0.45 |
| 2 | 50.0 | 49.95 | 49.96 | 49.97 | 49.95 | 49.95 | | -0.09 | 0.05 | 0.47 |
| 3 | 100.0 | 99.98 | 99.97 | 99.98 | 99.96 | 99.98 | 00.04 | 0.04 | 0.01 | 0.45 |
| 3 | 100.0 | 99.95 | 99.96 | 99.94 | 99.95 | 99.96 | 99.96 | -0.04 | 0.01 | 0.47 |

Remarks

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- 6.The indicated uncertainties are expanded uncertainty estimated for a confidence level of approximately 95% for a coverage factor k=2.00. Norming Or
- 7. Calibration Liquid Used: Distilled or Deionized w

Calibrated By,

(Calibration Engineer) M.ADHIBAN

as specified in ISO 3696.

Authorised by:

(Quality Manager/Chief Executive)

CSIVABALAN

SUNSHINE BIOMEDICAL SOLUTIONS

No:68, First Floor, Poomagal Main Road, Ekkattuthangal, Chennai - 600 032, Tel: 044 - 2225 2087, E-Mail: calibration@sunshinebiomedical.com, Website: www.sunshinebiomedical.com.