



## CALIBRATION CERTIFICATE

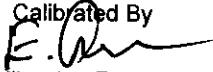
CERTIFICATE NO:	SBS/CL/23/14348	MECHANICAL	Page No:1 of 1	
Issue Date	12-10-2023			
SRF No & Date	SRF/23/00879-0001 & 12-10-2023			
Receipt Date	12-10-2023			
Calibration Date	12-10-2023			
Calibration Due	11-10-2024			
<b>Customer Name &amp; Address</b>				
GOVERNMENT PRIMARY HEALTH CENTRE, ORAIYUR-607108,CUDDALORE DISTRICT.				
<b>Details of Device Under Calibration (DUC)</b>				
Description	: CENTRIFUGE	Make & Model	: LINCO SCIENTIFIC INSTRUMENT & T-10	
Range	: 3500 RPM	Sr. No	: 718108-09	
Resolution	: 10 RPM	Identification No	: NA	
DUC Condition	: Satisfactory	Location	: LABORATORY	
<b>Environmental Conditions &amp; Standard Operating Procedure Details</b>				
Environmental Details	Temperature: 25.5°C	Relative Humidity	52%Rh	
Calibration Procedure No	SBS/CP/ML/04	Calibration done at	ONSITE	
<b>Reference Standards Details</b>				
S.No	Description	Make/ SI No:	Certificate No	Validity
1	Digital Tachometer	LINE SEIKI / 175-0034V	JRPM-CCTR-A&S-2023-0013	09-06-2024

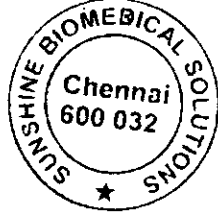
### CALIBRATION RESULTS


S.No	DEVICE UNDER CALIBRATION	STANDARD INSTRUMENTS	DEVIATION	EXPANDED UNCERTAINTY
	RPM	RPM	RPM	%
1	1000	999.0	1.0	4.2
2	2000	1999.6	0.4	4.2
3	3000	2999.5	0.5	4.2

### REMARKS

- 1.This Calibration certificate shall not be reproduced except in full, without written approval of the laboratory.
- 2.The user should determine the suitability of the instrument for its intended use.
- 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)  
E.ESWAR



Authorised Signatory  
  
 (Quality Manager)  (Chief Executive)  
(C.SIVABALAN)

## 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.



## CALIBRATION CERTIFICATE

<b>CERTIFICATE NO: SBS/CL/23/14349</b>		<b>MEDICAL DEVICES</b>		<b>Page No:1 of 1</b>
Issue Date	12-10-2023			
SRF No & Date	SRF/23/00879-0002 & 12-10-2023			
Receipt Date	12-10-2023			
Calibration Date	12-10-2023			
Calibration Due	11-10-2024			
<b>Customer Name &amp; Address</b>				
GOVERNMENT PRIMARY HEALTH CENTRE, ORAIYUR-607108,CUDDALORE DISTRICT.				
<b>Details of Device Under Calibration (DUC)</b>				
Description	: SEMI AUTO ANALYZER	Make & Model	: TRANSACIA BIO MEDICALS LTD	
Range	: MULTI	Sr. No	: CHEM 5X	
Resolution	: MULTI	Identification No	: N151044	
DUC Condition	: SATISFACTORY	Location	: LABORATORY	
<b>Environmental Conditions &amp; Calibration Procedure Details</b>				
Environmental Details	Temperature:25.6°C	Relative Humidity	52% RH	
Calibration Procedure No	SBS/CP/MD/20	Calibration done at	ONSITE	
<b>Reference Standards Details</b>				
S.No	Description	Make/ SI No:	Certificate No	Validity
1	Electrical Safety Analyser	Rigel Medical & 44L-1059	M-230809-16-4	10-08-2024


### ELECTRICAL SAFETY

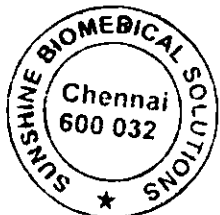
RESULTS			
S.no	SPECIFICATION	MEASURED VALUES	EXPANDED UNCERTAINTY (±)
1	<b>Insulation Resistance</b> >20MΩ	Measured values in MΩ 87	Uncertainty in % ( ± ) 13.92
2	<b>Earth Leakage</b> <5000µAfor B,BF,CF	Measured values in µA 195	Uncertainty in % ( ± ) 9.3
3	<b>Enclosure Leakage</b> <500µAfor B,BF,CF	Measured values in µA 241	Uncertainty in % ( ± ) 8.4

#### REMARKS

- 1.This Calibration certificate shall not be reproduced except in full, without written approval of the laboratory.
- 2.The user should determine the suitability of the instrument for its intended use.
- 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)  
E.ESWAR



Authorised Signatory

  
Technical Manager  
(C.SHANMUGARAJ)

Chief Executive

## 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.



## CALIBRATION CERTIFICATE

Certificate No: SBS/CL/23/14350

Page No: 1 of 1

**Customer Name & Address**

GOVERNMENT PRIMARY HEALTH CENTRE,  
ORAIYUR-607108,CUDDALORE DISTRICT.

SRF No.	SRF/23/00879-0003
SRF Date	12-10-2023
Date of Receipt	11-10-2023
Date of Calibration	12-10-2023
Due Date for Calibration	11-10-2024
Issue Date	12-0-2023

**Details of Unit Under Calibration**

Description	Micro Pipette	Make	THERMO SCIENTIFIC
Range	10µl FIXED	Model	FINNPIPETTE F3
Resolution		Material	PVC
Serial Number	NA	Operating Range	10µl FIXED
ID Number	NA	Condition of UUC	Good
Cal. At	Mechanical Lab	Instrument Location	LABORATORY

**Environmental Condition**

**Calibration Method Used**

Temperature (°C)	23.9	Humidity (%RH)	55	National / International Standard	ISO 8655-6:2002
Atmospheric Pressure (mbar)	1006	Water Temperature (°C)	21.6	Cal Procedure No	SBS/CP/ML/08

**Standard Used**

SI. No.	Description	ID.No. / SI. No.	Certificate No.	Make/Model	Traceability	Valid till
1	Electronic Weighing Balance	15112918	TVCSPL22/12/2115-01	A&D & GH-252	National Standards	09-12-2023


Z Factor: 1.00319

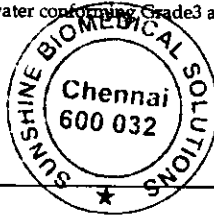
**Result of Calibration in µl**

SI. No.	Nominal Value	Observed Readings					Mean Value	Systematic Error	Random Error	Measurement Uncertainty (±)
1	10	9.94	9.97	9.95	9.96	9.95	9.96	-0.04	0.02	0.47
		9.95	9.93	9.98	9.97	9.96				

**Remarks**

- This Calibration certificate shall not be reproduced except in full, without written approval of the laboratory.
- The user should determine the suitability of the instrument for its intended use.
- The recalibration interval should be determined on the user requirement.
- The results stated in this certificate relate only to the item calibrated.
- Equipment used for Calibration were calibrated & traceable to National & International Standards
- The indicated uncertainties are expanded uncertainty estimated for a confidence level of approximately 95% for a coverage factor k=2.00 .
- Calibration Liquid Used: Distilled or Deionized water conforming Grade3 as specified in ISO 3696.

Calibrated By   
(Calibration Engineer)  
M.RAGUL



Authorised by:  
  
(Quality Manager/Chief Executive)  
C.SIVABALAN

## 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.



## CALIBRATION CERTIFICATE

Certificate No: SBS/CL/23/14351

Page No: 1 of 1

**Customer Name & Address**

GOVERNMENT PRIMARY HEALTH CENTRE,  
ORAIYUR-607108, CUDDALORE DISTRICT.

SRF No.	SRF/23/00879-0004
SRF Date	12-10-2023
Date of Receipt	11-10-2023
Date of Calibration	12-10-2023
Due Date for Calibration	11-10-2024
Issue Date	12-0-2023

**Details of Unit Under Calibration**

Description	Micro Pipette	Make	THERMO SCIENTIFIC
Range	100-1000µl	Model	FINNPIPETTE F3
Resolution	1µl	Material	PVC
Serial Number	NA	Operating Range	100-1000µl
ID Number	NA	Condition of UUC	Good
Cal. At	Mechanical Lab	Instrument Location	LABORATORY

**Environmental Condition**

**Calibration Method Used**

Temperature (°C)	23.9	Humidity (%RH)	55	National / International Standard	ISO 8655-6:2002
Atmospheric Pressure (mbar)	1006	Water Temperature (°C)	21.6	Cal Procedure No	SBS/CP/ML/08

**Standard Used**

SI. No.	Description	ID.No. / SI. No.	Certificate No.	Make/Model	Traceability	Valid till
1	Electronic Weighing Balance	15112918	TVCSPL22/12/2115-01	A&D & GH-252	National Standards	09-12-2023


Z Factor: 1.00319

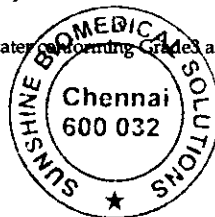
**Result of Calibration in µl**

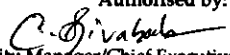
Sl. No.	Nominal Value	Observed Readings					Mean Value	Systematic Error	Random Error	Measurement Uncertainty (±)
1	100	99.85	99.87	99.85	99.84	99.95	99.89	-0.11	0.04	0.47
		99.89	99.95	99.90	99.87	99.90				
2	500	499.90	499.95	499.90	499.90	499.95	499.90	-0.10	0.03	0.47
		499.89	499.88	499.85	499.85	499.90				
3	1000	999.89	999.88	999.89	999.87	999.90	999.91	-0.09	0.03	0.47
		999.93	999.90	999.91	999.94	999.95				

**Remarks**

1. This Calibration certificate shall not be reproduced except in full, without written approval of the laboratory.
2. The user should determine the suitability of the instrument for its intended use.
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. Equipment used for Calibration were calibrated & traceable to National & International Standards
6. The indicated uncertainties are expanded uncertainty estimated for a confidence level of approximately 95% for a coverage factor k=2.00.
7. Calibration Liquid Used: Distilled or Deionized water, Reagent-Grade as specified in ISO 3696.

Calibrated By,   
(Calibration Engineer)  
M.RAGUL



Authorised by:  
  
(Quality Manager/Chief Executive)  
C.SIVABALAN

## 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.