

CALIBRATION CERTIFICATE

Certificate No: SBS/CL/22/12920

Page No: 1 of 1

Customer Name & Address

GOVERNMENT PRIMARY HEALTH CENTRE,
KEEZHARUNGUNAMPANRUTI,ORAIYUR BLOCK,
CUDDALORE-607102.

SRF No.	SRF/22/00283-0020
SRF Date	12-11-2022
Date of Receipt	12-11-2022
Date of Calibration	12-11-2022
Due Date for Calibration	11-11-2023
Issue Date	14-11-2022

Details of Unit Under Calibration

Description	Micro Pipette	Make	THERMO SCIENTIFIC
Range	10-100µl	Model	FINNPIPETTE F3
Resolution	0.2µl	Material	PVC
Serial Number	RW11020	Operating Range	
ID Number		Condition of UUC	Good
Cal. At	Mechanical Lab	Instrument Location	LABORATORY

Environmental Condition				Calibration Method Used	
Temperature (°C)	23.2	Humidity (%RH)	52	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

Sl. No.	Description	ID.No. / Sl. No.	Certificate No.	Make/Model	Traceability	Valid till
1	Electronic Semi Micro Balance	15112918	TVCSP1.21/12/1587-01	A&D & GH-252	National Standards	10-12-2022

Z Factor: 1.00319

Result of Calibration in µl										
Sl. No.	Nominal Value	Observed Readings					Mean Value	Systematic Error	Random Error	Measurement Uncertainty (±)
1	10	9.47	9.46	9.48	9.47	9.46	9.45	-0.55	0.02	0.47
		9.42	9.43	9.43	9.44	9.45				
2	50	49.57	49.56	49.58	49.56	49.56	49.56	-0.44	0.01	0.47
		49.54	49.56	49.57	49.56	49.54				
3	100	98.92	98.94	98.93	98.94	98.93	98.91	-1.09	0.02	0.47
		98.91	98.92	98.89	98.88	98.88				

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 conforming Grade3 as specified in ISO 3696.

Calibrated By,

PM
(Calibration Engineer)
P.MYLSAMY



Authorised by:

DVS
(Quality Manager/Chief Executive)
D.VETRI SELVI

SUNSHINE BIOMEDICAL SOLUTIONS

No:68, First floor, Poomagal Main Road, Ekkattulthangal, Chennai - 600 032, Tel: 044 - 2225 2087.

CALIBRATION CERTIFICATE

Certificate No: SBS/CL/22/12921

Customer Name & Address

GOVERNMENT PRIMARY HEALTH CENTRE, KEEZHARUNGUNAM,PANRUTLORAIYUR BLOCK, CUDDALORE-607102.	SRF No. SRF/22/00283-0021 SRF Date 12-11-2022 Date of Receipt 12-11-2022 Date of Calibration 12-11-2022 Due Date for Calibration 11-11-2023 Issue Date 14-11-2022
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Details of Unit Under Calibration

Description	Micro Pipette	Make	THERMO SCIENTIFIC
Range	100-1000µl	Model	FINNPIPETTE F3
Resolution	1µl	Material	PVC
Serial Number	RW15860	Operating Range	
ID Number		Condition of UUC	Good
Cal. At	Mechanical Lab	Instrument Location	LABORATORY

Environmental Condition				Calibration Method Used	
Temperature (°C)	23.2	Humidity (%RH)	52	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

Sl. No.	Description	ID.No. / SI. No.	Certificate No.	Make/Model	Traceability	Valid till
1	Electronic Semi Micro Balance	15112918	TVCSP/L21/12/1587-01	A&D & GH-252	National Standards	10-12-2022


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	100.51	100.52	100.53	100.52	100.51	100.50	0.50	0.02	0.47	
		100.49	100.48	100.49	100.49	100.48					
2	500	500.40	500.42	500.43	500.44	500.46	500.43	0.43	0.02	0.47	
		500.45	500.44	500.43	500.42	500.41					
3	1000	1001.24	1001.26	1001.23	1001.22	1001.22	1001.22	1.22	0.03	0.47	
		1001.18	1001.17	1001.20	1001.24	1001.26					

Remarks

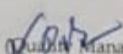
- 1.This Calibration certificate shall not be reproduced except in full, without written approval of the laboratory.
- 2.The user should determine the suitability of the instrument for its intended use.
- 3.The recalibration interval should be determined on the user requirement.
- 4.The results stated 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 conforming Grade3 as specified in ISO 3696.

Calibrated By,


 (Calibration Engineer)
 P.MYILSAMY



Authorised by:


 Quality Manager/Chief Executive
 D.VETRI SELVI

CALIBRATION CERTIFICATE

CERTIFICATE NO: SBS/CL/22/12919	MEDICAL DEVICES	Page No:1 of 1
Issue Date	14-11-2022	
SRF No & Date	SRF/22/00283-0019 & 10-11-2022	
Receipt Date	10-11-2022	
Calibration Date	10-11-2022	
Calibration Due	09-11-2023	

Customer Name & Address

GOVERNMENT PRIMARY HEALTH CENTRE,
KEEZHARUNGUNAM,PANRUTI,ORAIYUR BLOCK,CUDDALORE-607102.

Details of Device Under Calibration (DUC)

Description	ELECTRICAL SAFETY(MICROSCOPE)	Make & Model	LABOMED & VISION 2000
Range		Sr. No	140267712
Resolution		Identification No	
DUC Condition	SATISFACTORY	Location	LABORATORY

Environmental Conditions & Calibration Procedure Details

Environmental Details	Temperature: 26.1° C	Relative Humidity	56% RH
Calibration Procedure No	SBS/CP/MD/29	Calibration done at	ONSITE

Reference Standards Details

S.No	Description	Make/ SI No:	Certificate No	Validity
1	Electrical Safety Analyser	Rigel Medical & 44L-1059	TSC/22-23/7400-3	10-08-2023

ELECTRICAL SAFETY

RESULTS

S.no	SPECIFICATION	MEASURED VALUES	EXPANDED UNCERTAINTY (±)
1	Insulation Resistance	Measured values in MΩ	Uncertainty in % (±)
	>20MΩ	100	13.92
2	Earth Leakage	Measured values in μA	Uncertainty in % (±)
	<5000μAfor B,BF,CF	135	11.0
3	Enclosure Leakage	Measured values in μA	Uncertainty in % (±)
	<500μAfor B,BF,CF	204	7.0

REMARKS

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- 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

Authorised Signatory


(Calibration Engineer)
M.BALAJI



Quality Manager
(D.VETRI SELVI)

Chief Executive

SUNSHINE BIOMEDICAL SOLUTIONS

No:68, First floor , Poomagal Main Road, Ekkattuthangal, Chennai - 600 032, Tel: 044 - 2225 2087.

CALIBRATION CERTIFICATE

CERTIFICATE NO: SBS/CL/22/12901		MEDICAL DEVICES	Page No:1 of 1
Issue Date	14-11-2022		
SRF No & Date	SRF/22/00283-0001 & 10-11-2022		
Receipt Date	10-11-2022		
Calibration Date	10-11-2022		
Calibration Due	09-11-2023		

Customer Name & Address
 GOVERNMENT PRIMARY HEALTH CENTRE,
 KEEZHARUNGUNAM,PANRUTI,ORAIYUR BLOCK,CUDDALORE-607102.

Details of Device Under Calibration (DUC)

Description : ELECTRICAL SAFETY(SEMI AUTO ANALYZER)	Make & Model : ROBONIK & PRIETEST TOUCH
Range :	Sr. No : ATC00860321RBK
Resolution :	Identification No :
DUC Condition : SATISFACTORY	Location : LABORATORY

Environmental Conditions & Calibration Procedure Details

Environmental Details	Temperature: 26.1° C	Relative Humidity	56% RH
Calibration Procedure No	SBS/CP/MD/20	Calibration done at	ONSITE

Reference Standards Details

S.No	Description	Make/ SI No:	Certificate No	Validity
1	Electrical Safety Analyser	Rigel Medical & 44L-1059	TSC/22-23/7400-3	10-08-2023

ELECTRICAL SAFETY


S.no	SPECIFICATION	MEASURED VALUES	EXPANDED UNCERTAINTY (±)
1	Insulation Resistance >20MΩ	Measured values in MΩ 100	Uncertainty in % (±) 13.92
2	Earth Leakage <5000µAfor B,BF,CF	Measured values in µA 135	Uncertainty in % (±) 11.0
3	Enclosure Leakage <500µAfor B,BF,CF	Measured values in µA 204	Uncertainty in % (±) 7.0

REMARKS

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Calibrated By

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 (Calibration Engineer)
 M. BALAJI



Quality Manager
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