

## CALIBRATION CERTIFICATE

<b>CERTIFICATE NO: SBS/CL/23/05789</b>	<b>MEDICAL DEVICES</b>	Page No:1 of 1
Issue Date	10-05-2023	
SRF No & Date	SRF/23/00190-0001 & 09-05-2023	
Receipt Date	09-05-2023	
Calibration Date	09-05-2023	
Calibration Due	08-05-2024	

**Customer Name & Address**

GOVERNMENT PRIMARY HEALTH CENTER,  
MARUDHUR-621710, ANDIMADAM TALUK, ARIYALUR DISTRICT.

**Details of Device Under Calibration (DUC)**

Description : SEMI AUTO ANALYZER	Make & Model : ROBONIK & PRIETEST TOUCH
Range :	Sr. No : AT1141114RBK
Resolution :	Identification No :
DUC Condition : SATISFACTORY	Location : LABORATORY

**Environmental Conditions & Calibration Procedure Details**

Environmental Details	Temperature: 25.6°C	Relative Humidity	54% 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**

**RESULTS**

S.no	SPECIFICATION	MEASURED VALUES	EXPANDED UNCERTAINTY (±)
1	<b>Insulation Resistance</b>	<b>Measured values in MΩ</b>	<b>Uncertainty in % ( ± )</b>
	>20MΩ	96	13.92
2	<b>Earth Leakage</b>	<b>Measured values in μA</b>	<b>Uncertainty in % ( ± )</b>
	<5000μAfor B,BF,CF	208	7.2
3	<b>Enclosure Leakage</b>	<b>Measured values in μA</b>	<b>Uncertainty in % ( ± )</b>
	<500μAfor B,BF,CF	221	6.4

**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

Authorised Signatory

  
(Calibration Engineer)  
S.MURALI



  
Quality Manager  
(D.VETRI SELVI)

Chief Executive

## CALIBRATION CERTIFICATE

<b>CERTIFICATE NO:</b>	SBS/CL/23/05790	<b>MECHANICAL</b>	Page No:1 of 1	
Issue Date	10-05-2023			
SRF No & Date	SRF/23/00190-0002 & 09-05-2023			
Receipt Date	09-05-2023			
Calibration Date	09-05-2023			
Calibration Due	08-05-2024			
<b>Customer Name &amp; Address</b>				
GOVERNMENT PRIMARY HEALTH CENTER, MARUDHUR-621710,ANDIMADAM TALUK,ARIYALUR DISTRICT.				
<b>Details of Device Under Calibration (DUC)</b>				
Description	: CENTRIFUGE	Make & Model	:	
Range	: 3500 RPM	Sr. No	:	
Resolution	: 10 RPM	Identification No	:	
DUC Condition	: Satisfactory	Location	: LABORATORY	
<b>Environmental Conditions &amp; Standard Operating Procedure Details</b>				
Environmental Details	Temperature: 25.2°C	Relative Humidity	56% 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	TMS/22/63 01	10-11-2023

### CALIBRATION RESULTS

S.No	DEVICE UNDER CALIBRATION	STANDARD INSTRUMENTS	DEVIATION	EXPANDED UNCERTAINTY ( ± )
	RPM	RPM	RPM	%
1	1000	998.4	1.6	4.2
2	2000	1998.4	1.6	4.2
3	3000	2998.2	1.8	4.2

### 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)  
S.MURALI



Authorised Signatory

  
Quality Manager  
(D.VETRI SELVI)

Chief Executive

## CALIBRATION CERTIFICATE

Certificate No: SBS/CL/23/05826

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**Customer Name & Address**

GOVERNMENT PRIMARY HEALTH CENTER, MARUDHUR-621710, ANDIMADAM TALUK, ARIYALUR DISTRICT.	SRF No. SRF Date Date of Receipt Date of Calibration Due Date for Calibration Issue Date	SRF/23/00190-0011 11-05-2023 10-05-2023 11-05-2023 10-05-2024 11-05-2023
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**Details of Unit Under Calibration**

Description	Micro Pipette	Make	MICROLUX
Range	100-1000µl	Model	
Resolution	10µl	Material	PVC
Serial Number		Operating Range	
ID Number		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	100	99.85	99.85	99.85	99.85	99.95	99.88	-0.12	0.05	0.47
		99.90	99.95	99.90	99.80	99.90				
2	500	499.90	499.95	499.90	499.90	499.95	499.88	-0.12	0.05	0.47
		499.80	499.80	499.85	499.85	499.90				
3	1000	999.80	999.80	999.80	999.85	999.90	999.87	-0.13	0.05	0.47
		999.90	999.90	999.90	999.90	999.95				

**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. 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)  
 R.YAZINIYAN



Authorised by:  
  
 (Quality Manager/Chief Executive)  
 D.VETRI SELVI

## CALIBRATION CERTIFICATE

Certificate No: SBS/CL/23/05827

Page No: 1 of 1

**Customer Name & Address**

GOVERNMENT PRIMARY HEALTH CENTER, MARUDHUR-621710, ANDIMADAM TALUK, ARIYALUR DISTRICT.	SRF No.	SRF/23/00190-0012
	SRF Date	11-05-2023
	Date of Receipt	10-05-2023
	Date of Calibration	11-05-2023
	Due Date for Calibration	10-05-2024
	Issue Date	11-05-2023

**Details of Unit Under Calibration**

Description	Micro Pipette	Make	MICROLUX
Range	5-50µl	Model	
Resolution	1µl	Material	PVC
Serial Number		Operating Range	
ID Number		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

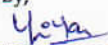
Z Factor: 1.00319

**Result of Calibration in µl**

SI. No.	Nominal Value	Observed Readings					Mean Value	Systematic Error	Random Error	Measurement Uncertainty (±)
1	10	9.87	9.86	9.87	9.87	9.88	9.87	-0.13	0.01	0.47
		9.88	9.86	9.87	9.88	9.89				
2	30	29.76	29.77	29.78	29.79	29.76	29.78	-0.22	0.01	0.47
		29.77	29.78	29.79	29.78	29.78				
3	50	49.88	49.87	49.88	49.87	49.88	49.87	-0.13	0.01	0.47
		49.87	49.86	49.86	49.87	49.88				

**Remarks**

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Calibrated By,  
  
 (Calibration Engineer)  
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 D. VETRI SELVI