

CALIBRATION CERTIFICATE

CERTIFICATE NO: SBS/CL/23/05242	MEDICAL DEVICES	Page No:1 of 1
Issue Date	27-04-2023	
SRF No & Date	SRF/23/00168-0010 & 25-04-2023	
Receipt Date	25-04-2023	
Calibration Date	25-04-2023	
Calibration Due	23-04-2024	

Customer Name & Address
 GOVERNMENT PRIMARY HEALTH CENTRE,
 THEVARAM-625530, THENI DISTRICT, UTHAMAPALAYAM TALUK.

Details of Device Under Calibration (DUC)

Description : ELECTRICAL SAFETY(SEMI AUTO ANALYZER)	Make & Model : ROBONIK & PRIESTEST TOUCH
Range :	Sr. No : AT0070716RBK
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/29	Calibration done at	ONSITE

Reference Standards Details

S.No	Description	Make/ SI No:	Certificate No	Validity
1	Electrcal 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	98	13.92
2	Earth Leakage	Measured values in μA	Uncertainty in % (±)
	<5000μAfor B,BF,CF	203	7.3
3	Enclosure Leakage	Measured values in μA	Uncertainty in % (±)
	<500μAfor B,BF,CF	235	6.0

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)
 C. SIVABALAN




 Technical Manager
 (C. SHANMUGARAJ)

Chief Executive

CALIBRATION CERTIFICATE

Certificate No: SBS/CI/23/05842

Page No. 1 of 1

Customer Name & Address

GOVERNMENT PRIMARY HEALTH CENTRE,
THEVARAM-625530, THENI DISTRICT,
UTHAMAPALAYAM TALUK.

SRF No.	SRF/23/00168-0042
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	12-05-2023

Details of Unit Under Calibration

Description	Micro Pipette	Make	THERMO COUPLE
Range	10-100µl	Model	FINNPIPETTE F3
Resolution	0.2µl	Material	PVC
Serial Number	RW09294	Operating Range	
ID Number		Condition of UUC	Good
Cal. At	Mechanical Lab	Instrument Location	LAB

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

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

Z Factor: 1.00319

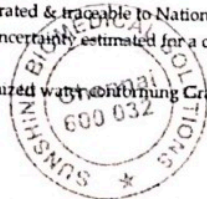
Result of Calibration in µl

SI. No.	Nominal Value	Observed Readings					Mean Value	Systematic Error	Random Error	Measurement Uncertainty (±)
		1	2	3	4	5				
1	10.0	10.01	10.03	10.02	10.02	10.03	10.02	0.02	0.01	0.47
		10.02	10.01	10.01	10.02	10.01				
2	50.0	50.10	50.09	50.08	50.10	50.10	50.08	0.08	0.01	0.47
		50.08	50.08	50.07	50.07	50.07				
3	100.0	99.95	99.94	99.94	99.95	99.94	99.94	-0.06	0.01	0.47
		99.95	99.94	99.95	99.94	99.93				

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 Grade 3 as specified in ISO 3696.

Calibrated By,
KSPH
(Calibration Engineer)
K.SATHYAMOORTHY



Authorised by:
D.Vetri Selvi
Quality Manager/Chief Executive
D.VETRI SELVI

CALIBRATION CERTIFICATE

Certificate No: SBS/CL/23/05841

Page No: 1 of 1

Customer Name & Address

GOVERNMENT PRIMARY HEALTH CENTRE,
VARAM-625530, THENI DISTRICT,
AMAPALAYAM TALUK.

SRF No.	SRF/23/00168-0041
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	12-05-2023

Details of Unit Under Calibration

Instrument	Micro Pipette	Make	VERTEX
Capacity	100-1000µl	Model	
Resolution	10µl	Material	PVC
Serial Number	011400803	Operating Range	
Condition		Condition of UUC	Good
Calibrated At	Mechanical Lab	Instrument Location	LAB

Environmental Condition

Temperature (°C)	23.2	Humidity (%RH)	52
Atmospheric Pressure (mbar)	1006	Water Temperature (°C)	21.6

Calibration Method Used

National / International Standard	ISO 8655-6:2002
Cal Procedure No	SBS/CP/ML/08

Standard Used

No.	Description	ID.No. / SI. No.	Certificate No.	Make/Model	Traceability	Valid till
1	Electronic Semi Micro Balance	15112918	TVCSP22/12/2115-01	A&D & GH-252	National Standards	09-12-2023

Z Factor: 1.00319

Result of Calibration in µl

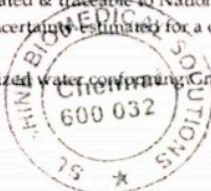
Sl. No.	Nominal Value	Observed Readings					Mean Value	Systematic Error	Random Error	Measurement Uncertainty (±)
1	100	100.51	100.52	100.53	100.52	100.51	100.50	0.50	0.02	0.47
		100.49	100.48	100.49	100.49	100.48				
2	500	500.40	500.42	500.43	500.44	500.46	500.43	0.43	0.02	0.47
		500.45	500.44	500.43	500.42	500.41				
3	1000	1001.24	1000.26	1001.23	1001.22	1001.22	1001.12	1.12	0.30	0.47
		1001.18	1001.17	1001.20	1001.24	1001.26				

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 to Grade3 as specified in ISO 3696.

Calibrated By,

KSH
(Calibration Engineer)
K.SATHYAMOORTHY



Authorised by:

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



CALIBRATION CERTIFICATE

CERTIFICATE NO:	SBS/CL/23/05241	MECHANICAL	Page No:1 of 1
Issue Date	27-04-2023		
SRF No & Date	SRF/23/00168-0009 & 25-04-2023		
Receipt Date	25-04-2023		
Calibration Date	25-04-2023		
Calibration Due	23-04-2024		

Customer Name & Address
 GOVERNMENT PRIMARY HEALTH CENTRE,
 THEVARA M-625530, THENI DISTRICT, UTHAMAPALAYAM TALUK.

Details of Device Under Calibration (DUC)

Description : CENTRIFUGE	Make & Model : LINCO & MICROSIL
Range : 3500 RPM	Sr. No : 661
Test Count : 10 RPM	Identification No :
DUC Condition : Satisfactory	Location : LABORATORY

Environmental Conditions & Standard Operating Procedure Details

Environmental Details	Temperature: 25.3 °C	Relative Humidity	45 % Rh
Calibration Procedure No	SBS/CP/ML/04	Calibration done at	ONSITE

Reference Standards Details

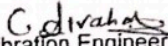
S.No	Description	Make/ SI No:	Certificate No	Validity
1	Digital Tachometer	LINE SEIKI / 175-0034V	TMS/22/63 01	10-11-2023

CALIBRATION RESULTS

S.No	DEVICE UNDER CALIBRATION	STANDARD INSTRUMENTS	DEVIATION	EXPANDED UNCERTAINTY (±)
	RPM	RPM	RPM	%
1	1000	999.6	0.4	4.2
2	2000	1999.3	0.7	4.2
3	3500	3499.6	0.4	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)
 C.SIVABALAN



Authorised Signatory

Quality Manager

 D.VETRISELVI

Chief Executive