

CALIBRATION CERTIFICATE

CERTIFICATE NO: SBS/CL/23/01517	MEDICAL DEVICES	Page No:1 of 1
Issue Date	14-02-2023	
SRF No & Date	SRF/23/00058-0001 & 14-02-2023	
Receipt Date	14-02-2023	
Calibration Date	14-02-2023	
Calibration Due	13-02-2024	

Customer Name & Address
 GOVERNMENT PRIMARY HEALTH CENTRE,(CHUNAMPEDU BLOCK)
 PERIYA KAYAPAKKAM-603301,CHENGALPATTU DISTRICT.

Details of Device Under Calibration (DUC)			
Description	ELECTRICAL SAFETY(SEMI AUTO ANALYZER)	Make & Model	ROBONIK & PRIETEST TOUCH
Range		Sr. No	AT3710413RBK
Resolution		Identification No	
DUC Condition	SATISFACTORY	Location	LAB

Environmental Conditions & Calibration Procedure Details			
Environmental Details	Temperature: 26.2° C	Relative Humidity	48% RH
Calibration Procedure No	SBS/CP/MD/20	Calibration done at	ONSITE

Reference Standards Details			
S.No	Description	Make/ SI No:	Certificate No
1	Electrical Safety Analyser	Fluke &2244202	ACCS221224
			Validity
			24-06-2023

RESULTS Electrical Safety

S.no	Specification	Measured values in MΩ	Allowable limit in MΩ	Uncertainty in MΩ
1	Insulation Resistance	53	>20MΩ	13.92
		Measured values in μA	Allowable limit in μA	Uncertainty in % (±)
2	Earth Leakage	154	<5000μAfor B,BF,CF	6.5
		Measured values in μA	Allowable limit in μA	Uncertainty in % (±)
3	Enclosure Leakage	213	<500μAfor B,BF,CF	7.2

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

Authorised Signatory

S. Murali
 (Calibration Engineer)
 S.MURALI

Quality Manager
 (D.VETRI SELVI)

Chief Executive

CALIBRATION CERTIFICATE

Certificate No: SBS/CL/23/01527

Page No: 1 of 1

Customer Name & Address

GOVERNMENT PRIMARY HEALTH CENTRE,(CHUNAMPEDU BLOCK)
PERIYA KAYAPAKKAM-603301,CHENGALPATTU DISTRICT.

SRF No.	SRF/23/00058-0011
SRF Date	13-02-2023
Date of Receipt	13-02-2023
Date of Calibration	13-02-2023
Due Date for Calibration	12-02-2024
Issue Date	14-02-2023

Details of Unit Under Calibration

Description	Micro Pipette	Make	THERMO SCIENTIFIC
Range	100-1000µl	Model	FINNPIPETTE F3
Resolution	1µl	Material	PVC
Serial Number	RW12145	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

Sl. No.	Description	ID.No. / Sl. No.	Certificate No.	Make/Model	Traceability	Valid till
1	Electronic Semi Micro Balance	15112918	TVCSP.L22/12/2115-01	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	99.86	99.82	99.84	99.86	99.84	99.85	-0.15	0.01	0.47
		99.86	99.84	99.86	99.85	99.84				
2	500	499.80	499.81	499.80	499.81	499.80	499.84	-0.17	0.03	0.47
		499.87	499.86	499.87	499.86	499.87				
3	1000	999.90	999.91	999.90	999.91	999.90	999.91	-0.09	0.01	0.47
		999.92	999.93	999.92	999.93	999.92				

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- 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,

R.Yaziniyan
(Calibration Engineer)
R.YAZINIYAN

Authorised by:

D.Vetri Selvi
(Quality Manager/Chief Executive)
D.VETRI SELVI

CALIBRATION CERTIFICATE

Certificate No:	SBS/CL/23/01518	MECHANICAL	Page No:1 of 1
Issue Date	14-02-2023		
SRF No & Date	SRF/23/00058-0002 & 14-02-2023		
Receipt Date	14-02-2023		
Calibration Date	14-02-2023		
Calibration Due	13-02-2024		

Customer Name & Address
 GOVERNMENT PRIMARY HEALTH CENTRE,(CHUNAMPEDU BLOCK)
 PERIYA KAYAPAKKAM-603301,CHENGALPATTU DISTRICT.

Details of Device Under Calibration (DUC)

Description : CENTRIFUGE	Make & Model : B.D INSTRUMENTS & BDI-152
Range : 5000 RPM	Sr. No :
Least Count : 10 RPM	Identification No :
DUC Condition : Satisfactory	Location : LAB

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	500	499.2	0.8	10
2	3000	2998.7	1.3	10
3	5000	4998.3	1.7	10

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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)
 S.MURALI

Authorised Signatory

Quality Manager
 (D.VETRI SELVI)

Chief Executive