



CALIBRATION CERTIFICATE

CERTIFICATE NO : SBS/CL/23-24/ 04416 Issue Date : 29.09.2023 SRF No & Date : SRF/23-24/00224-0001 & 28.09.2023 Receipt Date : 28.09.2023 Calibration Date : 28.09.2023 Calibration Due : 27.09.2024	MEDICAL DEVICES	Page No : 1 of 1
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Customer Name & Address
GOVERNMENT PRIMARY HEALTH CENTER
THOOKANAMPAKKAM 607402.

Details of Device Under Calibration (DUC)

Description : SEMIAUTO ANALYSER Range : — Least Coun : — DUC Cond : SATISFACTORY		Make : Robonik Model : Prietest Touch Sr.No : AT014 1010RBK Location : LABORATORY	
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Environmental Conditions & Calibration Procedure Details

Environmental Details	Temperature : 24.2°C	Relative Humidity	49% 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 Analyzer	Rigel MEDICAL & 44L-1039	M-230809-16-4	10.08.2024

RESULTS:

S.No.	Specification	Measured Values in Ω	Allowable limit in Ω	Uncertainty in Ω	Remarks
1	Earth Bond Resistance	0.23	< 2 Ω	0.02	PASS / FAIL
2	Insulation Resistance	56.2	> 2M Ω	4.58	PASS / FAIL
3	Earth Leakage (NC)	88	< 5000 μ A for B, BF, CF	14.17	PASS / FAIL
4	Earth Leakage (SFC)	166	< 10000 μ A for B, BF, CF	17.78	PASS / FAIL
5	Enclosure Leakage (NC)	4	< 100 μ A for B, BF, CF	2.93	PASS / FAIL
6	Enclosure Leakage (SFC)	88	< 500 μ A for B, BF, CF	14.16	PASS / FAIL

REMARKS

1. This Calibration certificate shall not be reproduced except in full, without written approved 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:

S. Shanmuga Raj
 (Calibration Engineer)
 S.SHANMUGA RAJ



D. Vetri Selvi
 Quality Manager
 (D. VETRI SELVI)

Authorized Signatory

Kumal
 (Chief Executive)



CALIBRATION CERTIFICATE

CERTIFICATE NO : SBS/CL/23-24/04419

MEDICAL DEVICES

Page No : 1

Customers Name & Address

GOVERNMENT PRIMARY HEALTH CENTER
THOOKANAMPAKKAM 607402.

SRF No.

SRF/23-24/00224-0004

SRF Date

28.09.2023

Date of Receipt

28.09.2023

Date of Calibration

28.09.2023

Due Date of Calibration

27.09.2024

Date of Issue

29.09.2023

Details of Unit under Calibration

Description	MICROPIPETTE	Make	Thermo Scientific
Range	10 - 100µl	Model	Finpipette F3
Resolution	1 µl	Material	PVC
Serial Number	RW11098	Operating Range	Z factor 1.000
Cal. At	On Site	Condition of UUC	SATISFACTORY
		Instrument Location	LABORTORY

Environmental Condition

Temperature (°C)	23±0C
Humidity (%RH)	51%
Pressure (mbar)	1006

Calibration Method Used

National / International Standard	ISO 8655-6: 2002
Cal. Procedure Number	SBS/CP/ML/08
Estimated Uncertainty ((K=2) @ 95.45%)	0 -5 µl

Standard Used

SL.No.	Description	SL.No.	Certificate Number	Make /Model	Valid Till
1	Electronic Semi Micro Balance	13112918	TVCSP.L 22/12/2115-01	A&D & GH-252	09-12-2023

Results of Calibration in µl

Sl. No.	Nominal Value	Observed Readings					Mean Value	Systematic Error	Random Error	Measurement Uncertainty(±)
1	10	9.89	9.88	9.90	9.91	9.94	9.93	-0.07	0.03	0.42
		9.92	9.93	9.93	9.94	9.95				
2	50	49.87	49.88	49.88	49.89	49.93	49.92	-0.08	0.02	0.46
		49.92	49.95	49.92	49.97	49.97				
3	100	99.88	99.87	99.85	99.89	99.89	99.91	-0.09	0.01	0.46
		99.91	99.90	99.91	99.85	99.84				

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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.
7. Calibration Liquid Used: Distilled or Deionized water conforming Grade3 as specified in ISO 3696.

Calibrated by:

S. Shanmuga Raj
(Calibration Engineer)
S.SHANMUGA RAJ



D. Vetri Selvi
Quality Manager
(D.VETRI SELVI)

Authorized Signatory

K. Kumar
(Chief Executive)



CALIBRATION CERTIFICATE

CERTIFICATE NO : SBS/CL/23-24/04421	MEDICAL DEVICES	Page No : 1 of 1
Issue Date	29.09.2023	
SRF No & Date	SRF/23-24/00224-0006 & 28.09.2023	
Receipt Date	28.09.2023	
Calibration Date	28.09.2023	
Calibration Due	27.09.2024	

Customer Name & Address
GOVERNMENT PRIMARY HEALTH CENTER
THOOKANAMPAKKAM 697402.

Details of Device Under Calibration (DUC)

Description	: REFRIGERATOR		Make	: GODREJ
Range	: 2 to 8°C		Model	: GDE26 BX4
Least Count	: 1°C		Sr.No	: 1402100339
DUC Condition	: SATISFACTORY		Location	: LABORTORY

Environmental Conditions & Calibration Procedure Details

Environmental Details	Temperature : 26.8°C	Relative Humidity	58% Rh
Calibration Procedure No	SBS/CP/TH/04	Calibration Done at	ONSITE

Reference Standards Details

S.No	Description	Make / SI No:	Certificate No	Validity
1	Electrical Safety Analyzer	Rigel MEDICAL & 44L-1059	M-230809-16-4	10.08.2024
2	4 Wire RTD Sensor with paperless Recorder	Tempsen Devices/TD09200218	TMS/22/62-01	10.11.2023

CALIBRATION RESULTS

S.No.	DEVICE UNDER CALIBRATION READING	STANDARD INSTRUMENTS READINGS	DEVIATION	EXPANDED UNCERTAINTY (±)
	°C	°C	°C	°C
1	2	1.91	-0.09	0.60
2	3	2.89	-0.11	0.64
3	5	4.92	-0.08	0.65
4	7	6.85	-0.15	0.68
5	8	7.89	-0.11	0.67

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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:

S. Shanmuga Raj
 (Calibration Engineer)
 S.SHANMUGA RAJ



D. Vetri Selvi
 Quality Manager
 (D. VETRI SELVI)

Authorized Signatory

Kumal
 (Chief Executive)



CALIBRATION CERTIFICATE

CERTIFICATE NO : SBS/CL/23-24/04420	MEDICAL DEVICES	Page No : 1 of 1
Issue Date	29.09.2023	
SRF No & Date	SRF.23-24/00224-0005& 28.09.2023	
Receipt Date	28.09.2023	
Calibration Date	28.09.2023	
Calibration Due	27.09.2024	

Customer Name & Address

**GOVERNMENT HEAD QUARTERS HOSPITAL
THOOKANAMPAKKAM 607402.**

Details of Device Under Calibration (DUC)

Description : CENTRIFUGE	Make : BD INSTRUMENTS
Range : 3000RPM	Model : BDI 152
Least Count : 1RPM	Sr.No : CENTRIFUGE - 01
DUC Condition : Satisfactory	Location : LABORATORY

Environmental Conditions & Calibration Procedure Details

Environmental Details	23.5°C	Relative Humidity	55% 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 READINGS		DEVIATION	EXPANDED UNCERTAINTY (±)
		RPM	RPM	RPM	%
1	500	499.1	-0.9	0.27	
2	1000	999.3	-0.7	0.19	
3	2000	1995	-5	0.14	
4	3000	2995	-5	0.12	

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S.SHANMUGA RAJ



D. Vetri Selvi
 Quality Manager
(D.VETRI SELVI)

Authorized Signatory

K. Kanna
 (Chief Executive)



CALIBRATION CERTIFICATE

CERTIFICATE NO : SBS/CL/23-24/ 04417	MEDICAL DEVICES	Page No : 1 of 1
Issue Date	29.09.2023	
SRF No & Date	SRF/23-24/00224-0002& 28.09.2023	
Receipt Date	28.09.2023	
Calibration Date	28.09.2023	
Calibration Due	27.09.2024	

Customer Name & Address

**GOVERNMENT PRIMARY HEALTH CENTER
THOOKANAMPAKKAM 607402.**

Details of Device Under Calibration (DUC)

Description : MICROSCOPE				Make	:	LABOMED
Range : -				Model	:	VISION 2000
Least Count : -				Sr.No	:	210327905
DUC Cond : SATISFACTORY				Location	:	LABORATORY

Environmental Conditions & Calibration Procedure Details

Environmental Details	Temperature : 24.2°C	Relative Humidity	49% 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 Analyzer	Rigel MEDICAL & 44L-1059	M-230809-16-4	10.08.2024

RESULTS:

S.No.	Specification	Measured Values in Ω	Allowable limit in Ω	Uncertainty in Ω	Remarks
1	Earth Bond Resistance	0.32	$< 2\Omega$	0.04	PASS / FAIL
		Measured Values in M Ω	Allowable limit in M Ω	Uncertainty in M Ω	Remarks
2	Insulation Resistance	56.1	$> 2M\Omega$	4.91	PASS / FAIL
		Measured Values in μA	Allowable limit in μA	Uncertainty in μA	Remarks
3	Earth Leakage (NC)	88.6	$< 5000\mu A$ for B,BF, CF	14.17	PASS / FAIL
4	Earth Leakage (SFC)	144	$< 10000\mu A$ for B,BF, CF	17.15	PASS / FAIL
		Measured Values in μA	Allowable limit in μA	Uncertainty in μA	Remarks
5	Enclosure Leakage (NC)	3	$< 100\mu A$ for B,BF,CF	2.90	PASS / FAIL
6	Enclosure Leakage (SFC)	91.6	$< 500\mu A$ for B,BF,CF	14.88	PASS / FAIL

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Calibrated by:

S. Shanmuga Raj
(Calibration Engineer)
S.SHANMUGA RAJ



D. Vetri Selvi
 Quality Manager
(D. VETRI SELVI)

Authorized Signatory

Kunal
 (Chief Executive)



CALIBRATION CERTIFICATE

CERTIFICATE NO : SBS/CL/23-24/04418 MEDICAL DEVICES Page No : 1

Customers Name & Address GOVERNMENT PRIMARY HEALTH CENTER THOOKANAMPAKKAM 607402.	SRF No.	SRF/23-24/00224-0003
	SRF Date	28.09.2023
	Date of Receipt	28.09.2023
	Date of Calibration	28.09.2023
	Due Date of Calibration	27.09.2024
	Date of Issue	29.09.2023

Details of Unit under Calibration			
Description	MICROPIPETTE	Make	Thermo Scientific
Range	100 - 1000µl	Model	Finnpipette F3
Resolution	1 µl	Material	PVC
Serial Number	RW17027	Operating Range	Z factor 1.000
Cal. At	On Site	Condition of UUC	SATISFACTORY
		Instrument Location	LABORATORY

Environmental Condition		Calibration Method Used	
Temperature (°C)	23±0C	National / International Standard	ISO 8655-6: 2002
Humidity (%RH)	51%	Cal. Procedure Number	SBS/CP/ML/08
Pressure (mbar)	1006	Estimated Uncertainty (K=2) @ 95.45%	0 -5 µl

Standard Used					
SLNo.	Description	SLNo.	Certificate Number	Make /Model	Valid Till
1	Electronic Semi Micro Balance	15112918	TVCSPI/22/12/2115-01	A&D & GH-252	09-12-2023

Results of Calibration in µl										
Sl. No.	Nominal Value	Observed Readings					Mean Value	Systematic Error	Random Error	Measurement Uncertainty(±)
		99.88	99.89	99.90	99.91	99.92				
1	100	99.91	99.92	99.93	99.94	99.95	99.92	-0.08	0.02	0.47
		499.86	499.87	499.88	499.89	499.90				
2	500	499.91	499.92	499.92	499.94	499.95	499.91	-0.09	0.03	0.47
		999.85	999.86	999.85	999.88	999.89				
3	1000	999.90	999.91	999.91	999.83	999.84	999.90	-0.10	0.03	0.47

REMARKS

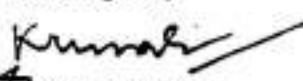
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5. The indicated uncertainties are expanded uncertainty estimated for a confidence level of approximately 95% for a coverage factor k=2.00
6. Equipment used for Calibration were calibrated & traceable to National & International Standards.
7. Calibration Liquid Used: Distilled or Deionized water conforming Grade3 as specified in ISO 3696.

Calibrated by:

 (Calibration Engineer)
 S.SHANMUGA RAJU



 Quality Manager
 (D.VETRI SELVI)

Authorized Signatory

 (Chief Executive)