



**CALIBRATION CERTIFICATE**

<b>CERTIFICATE NO : SBS/CL/23-24/ 03528</b>	<b>MEDICAL DEVICES</b>	<b>Page No : 1 of 1</b>
Issue Date	19.07.2023	
SRF No & Date	SRF/23-24/0152-0005 & 18.07.2023	
Receipt Date	18.07.2023	
Calibration Date	18.07.2023	
Calibration Due	17.07.2024	

**Customer Name & Address**

**THE MEDICAL OFFICER,  
GOVERNMENT PRIMARY HEALTH CENTER,  
AYANGUDI - 608304.**

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

Description :	MICROSCOPE	Make	:	Olympus
Range :	-	Model	:	MLX- B Plus
Least Count :	-	Sr.No	:	15E0176
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	TSC/22-23/7400-3	10.08.2023

**RESULTS:**

S.No.	Specification	Measured Values in $\Omega$	Allowable limit in $\Omega$	Uncertainty in $\Omega$	Remarks
1	Earth Bond Resistance	0.32	$< 2\Omega$	0.04	PASS / FAIL
		Measured Values in M $\Omega$	Allowable limit in M $\Omega$	Uncertainty in M $\Omega$	Remarks
2	Insulation Resistance	56.1	$> 2M\Omega$	4.91	PASS / FAIL
		Measured Values in $\mu A$	Allowable limit in $\mu A$	Uncertainty in $\mu A$	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 $\mu A$	Allowable limit in $\mu A$	Uncertainty in $\mu A$	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

**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

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

Authorized Signatory

*Kumar*  
 (Chief Executive)

