

# Ace Medical Solutions (India) Pvt. Ltd.

An ISO 9001-2015 Certified Company

No : 3/751, 1st Cross Street, Surveyor Colony, K.Pudur, Madurai - 625 007.

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GSTIN. 33AAHCA8053H1ZR • DL No. MDU/4205/20B,MDU/3971/21B • CIN : U33110TN2009PTC072140

## CALIBRATION CERTIFICATE

Customer Name & Address:	M/S. Priya Clinical Laboratory, 7/8A, North Car Street, (Chandhu), Thiruchendur - 628 215.	Certificate No:	AMS/LAB/2888823
		Issuing Date:	15/12/2020
		Page No:	1 of 2

### Details of Device under Calibration (DUC):

DUC:	Microscope	Id. No:	PCL/LAB/MS/001
Make:	ERIC	Department:	Laboratory
Model:	LED	Calibrated On:	14/12/2020
Sl. No:	BINO	Calibration Due Suggested:	13/12/2021
Type:	Binocular - LED	DUC Condition on Receipt:	OK
Range & Least Count:	Research Microscope		

### Traceability Details:

Sl.No.	Test Equipment	Make	Certificate Number	Valid Up to
1	Electrical Safety Analyser	RigelSafeTest60	PSG/CIRD/BMCC/4424/2020	19/01/2021
2	Digital Lux Meter	HTC/LX - 103	FSMS/CL/05/18-08/NN233-01	29/07/2021
3	Thermo Hygrometer	HTC	QC/AMS-DTI-004	22/02/2021

Room Temperature: 25°C±2 Room Humidity: 30-60%

(At the time of Calibration)

### ESA Test Results:

SL.No	Parameter	ESA Reading	Unit	Normal Range	Condition
1	Current	18	mA	1	Normal
2	Frequency	50.1	Volts	49 - 50	Normal
3	Mains Voltage Line - Neutral	249.7	Volts	220 - 240	Abnormal
4	Mains Voltage Line - Earth	250.3	Volts	220 - 240	Abnormal
5	Mains Voltage Neutral - Earth	12.3	Volts	< 7	Abnormal

\*Electrical Safety: Please check the attached log sheet

SL.No.	Knob Position	DUC Reading (LUX)	Distance (Cm)
1	Low	1400	30
2	High	19620	30

Note:

1. Calibration Points were selected as per customer request.
2. Each reading were taken by Repeatability Test (i.e.) each reading in a row is a mean of 10 readings.
3. Results Reported are valid at the time of and under the stated conditions of measurements.

Calibrated By:

(Calibration Engineer)

B. Srinivasan



Approved by:

(Technical Manager)

B. Srinivasan

ESA Results:

Test Number	Test Standard	Test	Condition	Filter Selection	Reading Value	Reading Unit	Polarity	Neutral	Earth	Applied Parts
1	Earth Bonding	Earth Bond Voltage	Normal	AC+DC	0.43665	Ω	Normal	Closed	Closed	All
2	IEC60601	Leakage: Earth	Normal	AC+DC	354.55	μA	Normal	Closed	Closed	All
3		Leakage: Earth	Normal	AC+DC	332.40	μA	Reversed	Closed	Closed	All
4		Leakage: Enclosure	Normal	AC+DC	0.00	μA	Normal	Closed	Open	All
5		Leakage: Enclosure	Normal	AC+DC	0.00	μA	Reversed	Closed	Closed	All
6		Leakage: Earth	SFC	AC+DC	687.26	μA	Normal	Open	Closed	All
7		Leakage: Earth	SFC	AC+DC	657.46	μA	Reversed	Open	Closed	All
8		Leakage: Enclosure	SFC	AC+DC	358.85	μA	Normal	Closed	Open	All
9		Leakage: Enclosure	SFC	AC+DC	373.00	μA	Reversed	Closed	Open	All
10		Current	Normal	AC+DC	0.018	Amps	Normal	Closed	Closed	All
11		Frequency	Normal	AC+DC	50.1	Hz	Normal	Closed	Closed	All
12		Mains Voltage: Live to Neutral	Normal	AC+DC	249.7	V	Abnormal	Closed	Closed	All
13		Mains Voltage: Live to Earth	Normal	AC+DC	250.3	V	Abnormal	Closed	Closed	All
14		Mains Voltage: Neutral to Earth	Normal	AC+DC	12.3	V	Abnormal	Closed	Closed	All
15		IEC62353	Equipment Leakage	Direct Method	AC+DC	424.35	μA	Normal	Closed	Open
16	Equipment Leakage		Direct Method	AC+DC	423.43	μA	Reversed	Closed	Open	All
17	NFPA-99	Ground Leakage	Normal	AC+DC	360.70	μA	Normal	Closed	Closed	All
18		Ground Leakage	Normal	AC+DC	351.17	μA	Reversed	Closed	Closed	All
19		Ground Leakage	SFC	AC+DC	693.41	μA	Normal	Open	Closed	All
20		Ground Leakage	SFC	AC+DC	694.03	μA	Reversed	Open	Closed	All
21		Chassis Leakage	Normal	AC+DC	0.00	μA	Normal	Closed	Closed	All
22		Chassis Leakage	Normal	AC+DC	0.00	μA	Reversed	Closed	Closed	All
23		Chassis Leakage	SFC	AC+DC	366.85	μA	Normal	Closed	Open	All
24		Chassis Leakage	SFC	AC+DC	353.32	μA	Reversed	Closed	Open	All
25	IEC61010	Touch Leakage	Normal	AC+DC	0.00	μA	Normal	Closed	Closed	All
26		Touch Leakage	Normal	AC+DC	0.00	μA	Reversed	Closed	Closed	All
27		Touch Voltage	Normal	AC+DC	7.04	V	Normal	Closed	Closed	All
28		Touch Voltage	Normal	AC+DC	7.04	V	Reversed	Closed	Closed	All
29		Touch Leakage	SFC	AC+DC	341.51	μA	Normal	Closed	Open	All
30		Touch Leakage	SFC	AC+DC	339.19	μA	Reversed	Closed	Open	All
31		Touch Voltage	SFC	AC+DC	7.04	V	Normal	Closed	Open	All
32		Touch Voltage	SFC	AC+DC	7.04	V	Reversed	Closed	Open	All
33	Insulation Testing	Insulation Resistance	Normal	AC+DC	>20	MΩ	Normal	Closed	Closed	All
34	Point to Point Testing	Point to Point Earth Bond Test	Normal	AC+DC	>19.9	Ω	Normal	Closed	Closed	All
35		Point To Point Leakage Test	Normal	AC+DC	0	μA	Normal	Closed	Closed	All
36		Standard Insulation Test	Normal	AC+DC	>20	MΩ	Normal	Closed	Closed	All
Test Passed	Yes	Tested On	12.12.2020	Tested By	S. S. S.					

