

Ace Medical Solutions (India) Pvt. Ltd.

An ISO 9001-2015 Certified Company

No. 770/1, Jothi Complex 2nd Floor, Alagar Kovil Main Road, Surveyor Colony,
Madurai - 625 007, Tamilnadu, India Mobile : +91 94434 74610



GSTIN, 33ADSPA9153Q1ZA • DL No. TN-12-20B -00398, TN-12-21B-00398

CALIBRATION CERTIFICATE

Customer Name & Address:	M/S. Medicare Diagnostics Centre, #12, PVL Complex , Kanji Koil Road, Chitode, Erode-638102	Certificate No:	AMS/HOSP/289/2585
		Issuing Date:	25/11/2022
		Page No:	1 of 2

Details of Device under Calibration (DUC):

DUC:	Bio Chemistry Analyser	Id. No:	MCDC/LAB/BCA/001
Make:	Biosystem	Department:	Laboratory
Model:	BTS	Calibrated On:	24/11/2022
Sl. No:	0000004005	Calibration Due Suggested:	23/11/2023
Type:	Semi Auto		
Range & Least Count:	---	DUC Condition on Receipt:	OK

Traceability Details:

Sl.No.	Test Equipment	Make	Certificate Number	Valid Up to
1	Electrical Safety Analyser	RigelSafeTest60	PSG/CIRD/BMCC/6908/2022	31/01/2023
2	Manometer	Lutron/PM9100	PC/01/22/ATL/0432-05	30/01/2023
3	Electronic Weighing Scale	EWC/SF400C	PC/01/22/ATL/0432-02	30/01/2023
4	Thermo Hygrometer	Beetech/088	PC/01/22/ATL/0265-01	30/01/2023

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	278	mA	500	Normal
2	Frequency	49.9	Hz	49 -50	Normal
3	Mains Voltage Line - Neutral	236.1	Volts	220 - 240	Normal
4	Mains Voltage Line - Earth	235.5	Volts	220 - 240	Normal
5	Mains Voltage Neutral - Earth	4.9	Volts	< 7	Normal

*Electrical Safety: Please check the attached log sheet

SL.No	Parameter	Measured	Standard	Correction	Unit
1	Lamp Voltage	11.78	12.0	-0.22	Volts
2	Detector Sensitivity	0.0	0.0	0.0	% Absorbance
3	Sipper Volume	432.5	450	-17.5	µl
4	Peristaltic Pump pressure	-14.42	-15.0	-0.58	cmH2O

Allowable Tolerance: set by Customer

Note:

1. Calibration Points were selected as per customer request.
2. Each reading was 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)



Approved by:
(Technical Manager)

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	0.1420	Ω	Normal	Closed	Closed	All
2	IEC60601	Leakage: Earth	Normal	AC+DC	115.30	μA	Normal	Closed	Closed	All
3		Leakage: Earth	Normal	AC+DC	108.10	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	223.50	μA	Normal	Open	Closed	All
7		Leakage: Earth	SFC	AC+DC	213.81	μA	Reversed	Open	Closed	All
8		Leakage: Enclosure	SFC	AC+DC	116.70	μA	Normal	Closed	Open	All
9		Leakage: Enclosure	SFC	AC+DC	121.30	μA	Reversed	Closed	Open	All
10		Current	Normal	AC+DC	0.352	Amps	Normal	Closed	Closed	All
11		Frequency	Normal	AC+DC	50	Hz	Normal	Closed	Closed	All
12		Mains Voltage: Live to Neutral	Normal	AC+DC	229.7	V	Normal	Closed	Closed	All
13		Mains Voltage: Live to Earth	Normal	AC+DC	229.7	V	Normal	Closed	Closed	All
14		Mains Voltage: Neutral to Earth	Normal	AC+DC	4	V	Normal	Closed	Closed	All
15		IEC62353	Equipment Leakage	Direct Method	AC+DC	138.00	μA	Normal	Closed	Open
16	Equipment Leakage		Direct Method	AC+DC	137.70	μA	Reversed	Closed	Open	All
17	NFPA-99	Ground Leakage	Normal	AC+DC	117.30	μA	Normal	Closed	Closed	All
18		Ground Leakage	Normal	AC+DC	114.20	μA	Reversed	Closed	Closed	All
19		Ground Leakage	SFC	AC+DC	225.50	μA	Normal	Open	Closed	All
20		Ground Leakage	SFC	AC+DC	225.70	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	119.30	μA	Normal	Closed	Open	All
24		Chassis Leakage	SFC	AC+DC	114.90	μA	Reversed	Closed	Open	All
25	IEC61310	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	2.29	V	Normal	Closed	Closed	All
28		Touch Voltage	Normal	AC+DC	2.29	V	Reversed	Closed	Closed	All
29		Touch Leakage	SFC	AC+DC	111.06	μA	Normal	Closed	Open	All
30		Touch Leakage	SFC	AC+DC	110.30	μA	Reversed	Closed	Open	All
31		Touch Voltage	SFC	AC+DC	2.29	V	Normal	Closed	Open	All
32		Touch Voltage	SFC	AC+DC	2.29	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	mA	Normal	Closed	Closed	All
36		Standard Insulation Test	Normal	AC+DC	>20	MΩ	Normal	Closed	Closed	All

Test Passed Yes Tested On 24-11-2022 Tested By 

