



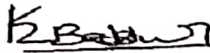
## CERTIFICATE OF CALIBRATION

TSPL-FR-052

Certificate No	CAL-MZ-2021-03-0181	Wo No	CAL-MZ-2021-03-0181	
Issue Date	30-09-2021	Page No	1 of 2	
<b>Issued By</b>				
Laboratory	Trimed Solutions (I) Private Limited			
Address	2nd Floor, Jyothi Elegance, Kavuri Hills, Phase-III, Madhapur, Hyderabad-500081.			
<b>Customer Details</b>				
Hospital	Civil Hospital, Lunglei			
Address	Lunglei			
<b>Medical Equipment Details</b>				
ME Number	MZZ1LUNGH0090139	Manufacturer	Erba Manheim	
ME Name	Analyzers, Laboratory, Clinical Chemistry (Semi Auto Analyzer)	Model	CHEM 5x	
Department	Microbiology	Serial No	NA	
Range	Multi Range	Resolution	Multi Resolution	
Calibrated at	On Site	Condition of ME	Visually Good	
Date of Calibration	15-09-2021	Recommended Calibration Due	14-09-2022	
<b>Details of Master Equipment used for Calibration</b>				
No	Description	Equipment ID/ Serial No.	Certificate No.	Calibration Validity
1	Electrical Safety Analyser	TRI-TE-0050	ACCS201170	12-10-2021
<b>Environmental Conditions</b>				
Parameters		Actual Value	Limits	
Temperature in °C		23	22 ± 2	
Relative Humidity in % Rh		50	35 – 65	
<b>Calibration Standards</b>				
Applicable Specification			IEC 60601-1	
Calibration Procedure Followed			TSPL-CAL-017	

Registered Address :1-1/25A-1, Ganapathypalayam, Mohan Nagar (PO)Selam636030  
Laboratory Address: 2nd Floor, Jyothi Elegance, Kavuri Hills, Phase-III, Madhapur, Hyderabad-500081.



Calibration Results						
No	Parameters	Units	Measured Value	Tolerance	Un (±%)	Remarks
1	Earth Bond Resistance	Ω	0.000	0.20	4.36	Pass
2	Live Voltage	V	227	0	-	Info
3	Neutral Voltage	V	0.00	0.00	-	Info
4	Live Voltage	V	227.00	0.00	-	Info
5	Load Current	A	0.00	0.00	-	Info
6	Load Test	kVA	0.00	0.00	-	Info
7	Insulation Resistance EUT 500V	MO	>100.00	1.00	11.56	Pass
8	Insulation Applied Parts Main EUT 500V	MO	>100.00	70.00	11.56	Pass
9	Earth Leakage Direct (Normal Condition)	μA	48	5,000	5.78	Pass
10	Earth Leakage Direct(SFC- Neutral Open)	μA	91	10,000	5.78	Pass
11	Earth leakage Reversed (Normal Condition)	μA	47	5,000	5.78	Pass
12	Earth leakage Reversed (SFC- Neutral Open)	μA	90	10,000	5.78	Pass
13	Enclosure leakage(Normal Condition)	μA	<4	100	6.28	Pass
14	Enclosure leakage Reversed (SFC- Earth Open)	μA	47	500	6.28	Pass
15	Enclosure Leakage (SFC- Neutral Open)	μA	<4	500	6.28	Pass
16	Enclosure leakage Reversed (Normal Condition)	μA	<4	100	6.28	Pass
17	Enclosure leakage Reversed (SFC- Earth Open)	μA	47	500	6.28	Pass
18	Enclosure leakage Reversed (SFC- Neutral Open)	μA	<4	500	6.28	Pass
The reported Uncertainty is based on coverage factor of k=2 in accordance with the guide to the expression of Uncertainty in measurement, providing a level of confidence of approximately 95%.						
<b>Conditions for issue of report</b>						
1 The standards used are traceable to National and International Standards. 2 Results reported are valid at the time of & under the stated condition of the measurements. 3 This certificate refers only to the items calibrated. 4 Any error in the certificate should be brought to our knowledge within 30 days from the date of the certificate. 5 This calibration report should not be reproduced except in full without written approval from Trimed Solutions India Private Limited. 6 Calibration Results status has been reported due to non availability of accuracy specifications. 7 NS:Not Specified ,NA:Not Applicable						
<b>Calibration Status</b>				The Calibration Values are within the specified limits		
<b>End of Calibration Report</b>						
<b>CALIBRATED BY</b> George Biaksangzuala Technical Service Engineer				 <b>AUTHORISED SIGNATORY</b> Basil James Regional Manager		