



# Micro Advance Calibration Lab

524, Suresh Nagar Thatipur Morar Gwalior ( M.P.)474006

## Calibration Certificate

Page No :- 1 of 1

Certificate No. Issue Date Service Request No. Service Request Date Calibration Date Calibration Due Date (As per Customer request)	MACL/N/23/25-001 09/08/2023 MACL/N/23/25 07/08/2023 07/08/2023 06/08/2023	<b>Calibration Certificate of Fully Automated Bio Chemistry Analyzer</b>
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Name & Address of Customer	Identification on UUC (Unit Under Calibration)	
<b>Shankar DiagnosticCenter, 8, Laxman Nagar Arjun Nagar Agra(Uttar Pradesh)</b>	Range/ Size Make / Model No. Instrument I.D. No. Instrument Sr. No. Least Count Location Visual Inspection	As Per Instrument (ERBA)EM-200 SDC/LAB/BIO/01 B160410 As Per Instrument Pathology lab OK

Calibration Procedure	MACL/H/CP-01 to 25	Condition of Instrument	OK
Reference Standard	-----	Calibration Performed at	Site
Environmental Condition	Temperature	25 ± 5°C	Relative Humidity 50 ± 20 % RH

Standard Equipment Used for Calibration				
Instrument Name	Make	Model	Serial No.	Calibration Valid
Electrical Safety Analyzer	Fluke Biomedical	ESA 612	5544503	02/09/2023

## Calibration Results

Parameter	Permitted Values	Measured Values	Devison Percentage	Remarks Pass/Fail/NA
Ground Wire Resistance	<0.3Ω	0.02 Ω	2.76	Pass
Chassis Leakage	<100μANC	0.06μA	3.32	Pass
	<500μASFC			
Patient Leakge Current	<100μABandB F	0.05μA	3.36	Pass
	<10μACF			
Patient Lead Leakage	<100μABF			
Current Isolation Test	<10μACF	0.04μA	4.32	Pass
Insulation (Optional)	<2MΩ			

Uncertainty of Measurement ± 1 %	The reported uncertainty stated is the expanded uncertainty of measurement obtained by multiplying the standard uncertainty by the coverage factor k=2 correspond to confidence level of 95 %
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<b>Note :-</b>	<ol style="list-style-type: none"> <li>This Certificate refers only to the particular items submitted for calibration.</li> <li>This Certificate shall not be reproduced, except in full, without the written permission of C.E.O. Micro Advance Calibration Lab Gwalior.</li> <li>Result Reported are Valid at the of and under the stated conditions of measurement.</li> <li>Laboratory Standards are traceable to National Standards.</li> <li>Calibration Certificate issue for weight &amp; Measure parameters i.e. Mass, Balance, Volumetric equipment, Measuring Scale/Tapes etc. for scientific purpose only and should not be used for Trade / Commerical use.</li> </ol>
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CALIBRATED BY  
  
Ajay Godiyas  
Calibration Engineer



APPROVED BY  
  
Raj Kumar Shukya  
Authorized Signatory