



## CALIBRATION CERTIFICATE OF CHEM ULTRA ANALYZER

Issued to : Rao's Standard Diagnostics Pvt. Ltd.  
Certificate No. : TEV/CAL/RSD/CA/21/01  
Asset No. : RSD/BME/CA/01 Serial No : AES2K0KH02040Y  
Model No : NA Date : 14.12.2021

### CALIBRATION STANDARD USED

S NO	ASSET NO	TEST EQUIPMENT	MODEL NO	SERIAL NO	CAL DATE	CAL DUE DATE
1	TEV / NIBPA / 01	ELECTRICAL SAFETY ANALYSER	ESA - 612	2111026	15.05.2021	14.05.2022

### TEST REPORT

#### ELECTRICAL SAFETY ANALYZER TEST RESULTS

TEST	RESULTS	LIMITS
Line(Mains)Voltage	233.5	0.0 to 300.0V ac rms
Ground Wire Resistance	0.003Ω	0.000 to 2.000 Ω
Equipment current	1.4A	0 to 20.0 A ac rms
Insulation resistance	2 M Ω	+/-2% +0.2 M Ω
Ground(Earth) Leakage	12 μA(AC+DC)	10 to 199 Ma
Chassis(Enclosure)Leakage	0.6Ma	0.0 to 199.9 μA
Lead to Ground and Lead to lead	0.4 μA(AC+DC)	0.0 to 1999 μA
Lead isolation	0.4Ma	0.0 to 1999 μA
Differential Leakage	0.1Ma	0.0 to 1999 μA
Direct Equipment Leakage	0.3μA	0.0 to 1999 μA
Direct applied part Leakage	0.7Ma	0.0 to 1999 μA
Alternative applied part patient leakage	0.01Ω	0.0 to 1999 Ma
Point to point leakage, Voltage and Resistance	0.2μA,0.2v&OLΩ	+/-2% +0.2V

**Electrical safety test passed as per IEC Stand 60601.1**

Calibration Passed: Yes  No

Calibration Done Date: 14.12.2021

Calibration Due Date: 13.12.2022

**Calibrated By:** Ms. M. Swathi, Engineer

**Approved By:**

  
Engineering Manager

The above mentioned instrument has been certified using standards with accuracy guidelines traceable to the national institute of standards & technology (NIST). Devices, for which there are no NIST calibration standards, were measured against in-house performance standard using accepted test procedures.

238/A, 3<sup>rd</sup> Link Street, Industrial Complex,  
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## CALIBRATION CERTIFICATE OF ADIDUO PLUS

Issued to : Rao's Standard Diagnostics Pvt. Ltd.  
 Certificate No. : TEV/CAL/RSD/ABA/21/02  
 Asset No. : RSD/BME/APBA/02      Serial No : ES10019112P9160  
 Model No : ADI DUO PLUS      Date : 14.12.2021

### CALIBRATION STANDARD USED

S NO	ASSET NO	TEST EQUIPMENT	MODEL NO	SERIAL NO	CAL DATE	CAL DUE DATE
1	TEV / NIBPA / 01	ELECTRICAL SAFETY ANALYSER	ESA - 612	2111026	15.05.2021	14.05.2022

### TEST REPORT

#### ELECTRICAL SAFETY ANALYZER TEST RESULTS

TEST	RESULTS	LIMITS
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Insulation resistance	2 M Ω	+/-2% +0.2 M Ω
Ground(Earth) Leakage	12 μA(AC+DC)	10 to 199 Ma
Chassis(Enclosure)Leakage	0.6Ma	0.0 to 199.9 μA
Lead to Ground and Lead to lead	0.4 μA(AC+DC)	0.0 to 1999 μA
Lead isolation	0.4Ma	0.0 to 1999 μA
Differential Leakage	0.1Ma	0.0 to 1999 μA
Direct Equipment Leakage	0.3μA	0.0 to 1999 μA
Direct applied part Leakage	0.7Ma	0.0 to 1999 μA
Alternative applied part patient leakage	0.01Ω	0.0 to 1999 Ma
Point to point leakage, Voltage and Resistance	0.2μA,0.2v&OLΩ	+/-2% +0.2V

**Electrical safety test passed as per IEC Stand 60601.1**

Calibration Passed:    Yes       No

Calibration Done Date: **14.12.2021**

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**Calibrated By:** Ms. M. Swathi, Engineer

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