



# Bio Matrix Technologies Pvt. Ltd.



An ISO 9001 : 2015 Certified Company

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## CALIBRATION TEST REPORT FOR BLOOD MIXTURE

|                      |  |
|----------------------|--|
| <b>HOSPITAL NAME</b> | ASWNI DIAGNOSTICS,SURYARAOPET,VIJAYAWADA |
| <b>DEVICE</b>        | BLOOD MIXTURE                            |
| <b>MAKE</b>          | LAB LINE                                 |
| <b>MODEL</b>         | N/A                                      |
| <b>SERIAL NO</b>     | N/A                                      |
| <b>DEPARTMENT</b>    | LABORATORY                               |

## CALIBRATION STANDARD USED

| S.NO | ASSET NO. | TEST EQUIPMENT             | MAKE  | MODEL NO | SERIAL NO | CAL DATE | CAL DUE DATE |
|------|-----------|----------------------------|-------|----------|-----------|----------|--------------|
| 1    | BMT/12/07 | ELECTRICAL SAFETY ANALYZER | FLUKE | ESA-612  | 2111026   | 24/08/20 | 23/08/21     |

## ELECTRICAL SAFETY ANALYZER TEST RESULTS

| TEST   | RESULTS        | LIMITS               |
|--|----------------|----------------------|
| Line(Mains)Voltage                             | 238.2          | 0.0 to 300.0V ac rms |
| Ground Wire Resistance                         | 0.002Ω         | 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                      | 0.4Ma          | 0.0 to 199.9 Ma      |
| Lead to Ground and Lead to lead                | 0.4 μA(AC+DC)  | 0.0 to 1999 μA       |
| Lead isolation                                 | 0.4μA          | 0.0 to 1999 μA       |
| Differential Leakage                           | 0.2μA          | 0.0 to 1999 μA       |
| Direct Equipment Leakage                       | 0.2μA          | 0.0 to 1999 μA       |
| Direct applied part Leakage                    | 0.4μA          | 0.0 to 1999 μA       |
| Alternative applied part patient leakage       | 0.01Ω          | 0.0 to 1999 μA       |
| Point to point leakage, Voltage and Resistance | 0.2μA,0.2v&OLΩ | +/-2% +0.2V          |

## ELECTRICAL SAFETY TEST PASSED AS PER IEC STANDARD 60601.1

|                           |                          |
|---------------------------|--------------------------|
| Cal done date: 23-12-2020 | Cal due date: 22-12-2021 |
| Calibrated by: N. PETER   | Approved by: N. VENKAT   |

