

**ELECTRICAL SAFETY TESTING/ CALIBRATION**

|   |                 |   |
|---|-----------------|---|
| Report No : HBMS/CAL/23-24                          |                 | Calibration Date : 22.09.2023                                     |
|   |                 | Calibration Valid : 21.03.2024                                    |
| <b>1.1CUSTOMER DETAILS:</b>                         |                 |   |
| Name and Address of the organization                |                 | <b>M/S, PRIMARY HEALTH CENTRE,<br/>SANTHAITHANAMPATTY, SALEM.</b> |
| <b>1.2. DESCRIPTION OF DEVICE UNDER TEST (DUT):</b> |                 |   |
| EQUIPMENT NAME                                      |                 | SEMI AUTO ANALYZER  |
| <b>i</b>  | Manufactured by | ROBONIK   |
| <b>ii</b>   | Model           | PRIETEST TOUCH  |
| <b>iii</b>  | Serial No       | ATCD2671220RBK  |
| <b>iv</b>   | Location        | LABORATORY  |

**2.CONDITION OF THE ITEM WHEN RECEIVED**

No visible damages and in working order

**3.TEST DONE**

Electrical safety/ Performance Testing

**4. STATUS**

| Manufactures Specification | User specification | Within specification | Out of specification | Calibration | Electrical Safety Test | Performance Analysis |
|----------------------------|--------------------|----------------------|----------------------|-------------|------------------------|----------------------|
| √                          | -                  | √                    | -                    | -           | √                      | -                    |

**5.TRACEABILITY DETAILS OF INSTRUMENTS USED FOR TESTING**

| S.no | Name of the instrument     | Make  | Model  | Serial no | Cal Due     |
|------|----------------------------|-------|--------|-----------|-------------|
| 1.   | Electrical safety analyser | Fluke | Esa612 | 3005050   | 07-OCT-2023 |

**6.ELECTRICAL SAFETY TEST**

| S.NO | PARAMETER                   | OBSERVED VALUE | ACCEPTANCE LIMITS AS PER THE STD | REMARKS |
|------|-----------------------------|----------------|----------------------------------|---------|
| 1.   | Protective earth resistance | 0.129 $\Omega$ | <0.3 $\Omega$                    | Ok      |
| 2.   | Earth leakage               | 134.21 $\mu$ A | <210 $\mu$ A NC                  | Ok      |
| 3.   | Patient leakage current     | NA             | <100 $\mu$ A BF                  | Ok      |
| 4.   | Equipment current           | 0.3A           | As per the manufacture spec      | Ok      |
| 5.   | Mains voltage (P-E)         | 230.5V         | --                               | Ok      |
| 6.   | Mains voltage (P-N)         | 231.2V         | --                               | Ok      |
| 7.   | Mains voltage (N-E)         | 1.0V           | <5V                              | Ok      |
| 8.   | Enclosure leakage current   | 50 $\mu$ A     | <100 $\mu$ A (normal)            | Ok      |
| 9.   | Insulation resistance       | OL             | >100 M $\Omega$                  | Ok      |

| S.NO | 7.Remarks   |
|------|---|
| 1.   | This report is applicable to the sample tested only   |
| 2.   | The instrument used for testing are valid calibration and are traceable to national standards |
| 3.   | Parameter of the DUT were verified and found to be within the specified limits                |

Verified by :