

CALIBRATION CERTIFICATE: ML 300

| | | | |
|--|------------|------------------|----------------|
| Customer Name: Erode Diagnostic Laboratory | | Model | : ML 300 |
| Address: Erode | | S.No | : 12-5070 |
| | | Date of Calib., | : 09-03-2020 |
| | | Due date Calib., | : 08-03-2021 |
| Phone: | 9489214880 | Calibrated By | : Krishnakumar |

| UPS Power Supply | Observed Reading | Remarks |
|-----------------------------------|------------------|--|
| Earth To Neutral (0 - 3V AC) | 0VAC | Measured Voltages are within the specifications. |
| Earth to Phase (225 - 230VAC) | 226VAC | |
| Phase to Neutral (225 - 230VAC) | 225VAC | |

| Power Supply Voltages: | | Measured Reading | Remarks |
|------------------------|-----------|------------------|-------------------------|
| Voltages | | | |
| 5V Dc | +/- 0.15V | 4.96 VDC | No Adjustments required |
| 12V Dc | +/- 0.25V | 11.95VDC | |
| 24V Dc | +/- 1.2V | 24.1VDC | |

| Measuring Unit : | | Expected Reading | Observed Reading | Remarks |
|--------------------|--|------------------|------------------|---|
| Lamp Voltage | | 11.8 V Dc | 11.82 | No adjustments |
| | | Good/ No Good | | Remarks |
| Bellows | | Good | | |
| Filterwheel motor | | Good | | Performance of the parts are in well within working specifications. |
| Flowcell condition | | OK | | |
| Lense check | | OK | | |

| Filters Check: | | | | Remarks |
|----------------|------------|--------------|----------|--------------------------------|
| Filters | Absorbance | Limits | Measured | |
| 340 | 22453 | 8000 - 280 | | Within limits |
| 405 | 16782 | 8000 - 280 | | Filters are in good condition. |
| 505 | 9834 | 8000 - 280 | | |
| 546 | 8974 | 8000 - 28000 | | |
| 578 | 8654 | 8000 - 28000 | | |
| 620 | 8984 | 8000 - 28000 | | |

Temperature Unit :

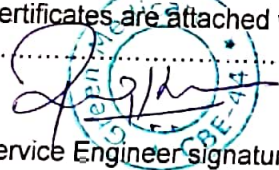
| S. no. | Expected Temperature | Measured Temperature | Remarks |
|--|----------------------|------------------------------------|---------|
| 1 | 37 deg. Celisius | 114.9 ohm (37.25 deg., Celisius) | |
| Note : Wait for 30 minutes approximately | | | |
| Device Used: Calibrated PT 100 Sensor | | | |

Aspiration Volume:

| Set Vol. | Aspiration vo | Remarks |
|----------|---------------|----------------------------|
| 450ul | 450ul | Aspiration Vol., are good. |
| 500ul | 495ul | Adjustments not required. |
| 1000ul | 1000ul | |
| 1500ul | 1500ul | |

Comments :

Instrument had been calibrated with calibrated multimeter and PT 100 sensor, whose tracibility certificates are attached with this report. Instrument is in working well within the specification.



Service Engineer signature: