



HYTECH INSTRUMENT

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Calibration Certificate

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Format No. : HY/FM/33

| | | |
|---|----------------|--|
| Certificate No. | HY/21/1371-174 | CALIBRATION CERTIFICATE OF Cell Counter |
| Date of Calibration : | 26.11.2021 | |
| Next Date for Calibration (As per agreed with the Customer) | 26.11.2022 | |
| Certificate Issue Date | 27.11.2021 | |

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|---|---------------|--|-------------------|
| CUSTOMER ADDRESS | | DESCRIPTION OF DEVICE UNDER CALIBRATION | |
| M/s Care Hospital (A Unit of Goel Superspeciality Medical Centre Pvt.Ltd.) Near Delapeer Petrol Pump, Stadium Road, Bareilly - 243001 INDIA | | Make / Model | ERME/PCE 210 |
| SERVICE REQUEST FORM DETAILS | | Instrument Sr. No. | 29210 |
| | | Resolution / Least Count | As Per Range |
| Service Request / Job No. | 1371/1371-174 | Range / Size | As Per Instrument |
| Service Request Dated | 24.11.2021 | Asset Code / I.D No. | ---- |
| | | Location | LAB |
| | | Instrument Condition | In working |

| | | | | |
|---------------------------------|--------------------|---------------------------------|--------------------------|---------------|
| Calibration Procedure | HY/WI/2MD08 | Calibration Performed At | At Site | |
| Reference Standard | NABL-126 | Discipline | Medical | |
| ENVIRONMENTAL CONDITIONS | Temperature | (25 ± 15) °C | Relative Humidity | (60 ± 15) %RH |

DETAILS OF REFERENCE STANDARDS AND MAJOR EQUIPMENTS USED FOR CALIBRATION

| Sr. No | Instrument Details | Certificate No. | Calibrated By | Calibration Due Date |
|--------|----------------------------------|--------------------|---------------|----------------------|
| 1 | Process Calibrator with Analyzer | CC205521000004619F | TNC | 17.03.2022 |
| 2 | RTD Sensor with Indicator | GC/AV/P1398A/08/21 | GC | 12.08.2022 |
| 3 | Std. Weights | CC205521000004622F | TNC | 17.03.2022 |
| 4 | Digital Weighing Machine | CC205520000004620F | TNC | 17.03.2022 |
| 5 | Electrical Safety Analyzer | CCTPL/DAM/0009/02 | CCTPL | 19.01.2023 |

The Standards used for calibration are traceable to National Standards.

CALIBRATION RESULT

| PARAMETER | DUC VALUE(µl) | STANDARD VALUE(µl) | ERROR(µl) | Uncertainty± (µl) |
|--------------------|---------------------|-----------------------|-----------------------|----------------------|
| Volume | 200 | 200.45 | -0.45 | 4.0 |
| | 500 | 500.27 | -0.27 | 4.0 |
| PARAMETER | DUC VALUE(µm) | STANDARD VALUE(µm) | ERROR(µm) | Uncertainty± (µm) |
| Cell Diameter | 10 | 10.02 | -0.02 | 0.4 |
| | 30 | 30.04 | -0.04 | 0.4 |
| | 50 | 50.07 | -0.07 | 0.4 |
| PARAMETER | DUC VALUE(count) | STANDARD VALUE(count) | ERROR(count) | Uncertainty± (count) |
| Count Data Storage | 200 | 201 | -1 | 0.4 |
| | 500 | 502 | -2 | 0.4 |
| | 1000 | 1002 | -2 | 0.4 |
| PARAMETER | DUC VALUE(count) | STANDARD VALUE(count) | ERROR(count) | Uncertainty± (count) |
| Protocol Storage | 100 | 101 | -1 | 0.4 |
| | 200 | 201 | -1 | 0.4 |
| | 300 | 302 | -2 | 0.4 |
| Maxima Found at | Standard Wavelength | | Tolerance Limit | |
| 365nm | 365.60nm | | (upto 400 nm)±1nm | |
| 537nm | 536.40nm | | (400 upto 600 nm)±3nm | |
| 600nm | 631.30nm | | (600 upto 800 nm)±4nm | |
| PARAMETER | DUC VALUE (°C) | STANDARD VALUE(°C) | ERROR(°C) | Uncertainty± (%) |
| Temperature | 25.0 | 25.003 | -0.003 | 0.95 |
| | 30.0 | 30.008 | -0.008 | 0.95 |
| | 35.0 | 35.043 | -0.043 | 0.95 |

Expanded Uncertainty of measurement at approximately 95% Confidence Level with coverage factor k = 2

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| Note :- 1. DUC = Device Under Calibration 2. The Certificate refers only to the particular items submitted for Calibration. 3. This Certificate shall not be reproduced, except in full, without permission of CEO Hytech Instrument, Ghaziabad. 4. Result Reported are Valid at the time of and under the stated conditions of measurement. 5. Calibration Certificate issue for weight & Measure parameters i.e. Mass, Balance, Volumetric equipment, Measuring Scale/Tapes etc. for scientific purpose only and should not be used for Trade / Commercial use. | CALIBRATED BY (Calib. Engineer) |
| | APPROVED BY (QM / FM) |

