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| FORMAT NO MF25/1 | Page No. 1 of 1 |
| Service Request No. & Date : 2024/06(N) & 28/01/2024 | Certificate/ULR No. : CC376524000000174F |
| Name & Address of The Customer : National Clinical Laboratory Opposite R.K. Joshi Government Hospital, Dausa Dist. DAUSA - 303303 (Rajasthan) | Calibration Date : 28.01.2024 |
| | Next Suggested Date : 27.01.2025 |
| | Issue Date : 28.01.2024 |
| | Calibration Location : At Site |

Condition of Item & Date of Receipt :

Description of Item :

| | |
|--|-----------------------------------|
| Name : Centrifuge Machine | Range : 3500 RPM |
| Make/Model No : Doctor / FA ROT | Least Count : As Per Range |
| SR NO. : N/A | Accuracy : N/A |
| ID NO. : CM-01 | Zero Error : OK |
| Location : N/A | Visual Inspection : OK |

Details of Calibration Standard Used :

| S.N. | Nomenclature | Make & Sr. No. | Certificate No. | Certified By | Valid Upto |
|---|--------------------|---------------------------|----------------------------------|------------------------------|--------------------|
| 1 | Digital Tachometer | Kusam Mecro/ MCL/M /TM/01 | CC342123000000114F | Shiva Calibration Laboratory | 15.03.2024 |
| Environment Condition : | | | Calibration Procedure No. | | WI(M)/21 |
| Ambient Temperature : | | 20± 2 °C | Refrence IS Standard' | | N/A |
| Relative Humidity : | | 50±10 %RH | Discipline | | Mechanical (Speed) |
| Measurements Uncertainty in Master ± | | 4.4/0.15% | | | |

Results :

| S. No. | UUC Reading in (Rpm) | Std. Average Measured Reading in (Rpm) | Error in (Rpm) | Uncertainty (±) % |
|--------|----------------------|--|-----------------|-------------------|
| 1 | 200 | 199.8 | 0.2 | 4.5 |
| 2 | 500 | 499.6 | 0.4 | 4.5 |
| 3 | 1000 | 999.0 | 1.0 | 0.16 |
| 4 | 2000 | 1999.0 | 1 | 0.16 |
| 5 | 3500 | 3499.0 | 1 | 0.16 |

Remarks/Decision :

The Reported Uncertainty is The Expanded Uncertainty in Measurement Obtained by Multiplying The Standard Uncertainty By The Coverage Factor k = 2, Which Corresponds to a Coverage Probability of Approximately 95.45% for a Normal Distribution.

NOTE : (1) The calibration certificate shall not be reproduced except in full, without written approval of the laboratory.

(2) Standard(s) are traceable to National/International Standard/ (3) Recommended due date is suggested by the customer.

(4) Result is the average of five readings. / (5) This report refers only to the particular item calibrated at lab/site.

(6) The calibration results reported are valid at the time of and under the stated conditions of measurements.

(7) In Result Sheet Error + Measurement Uncertainty with in the Specification or Requirement " Pass /within in calibration" and Error + Measurement Uncertainty not with in the Specification or Requirement " Fail / Out of calibration ".

(8) The Calibrated item compliance with IS 12508."The measurement results and the statement of compliance only relate to the instrument calibrated".

(9) STD.= Standard Instrument/ (10) UUC.= Unit Under Calibration

Calibrated By
Calibration Engineer
(Anoop Kumar)



Approved By
Technical Manager
(Ajmer Singh)