



CC-2689



Hi-Tech Laboratory & Services

(A House of Measurement & Calibration)

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CALIBRATION CERTIFICATE

(Form No. HTLS/QF/7.8.1/01 (Amendment No. 00 Dated 1st January 2020))

ULR : CC268923100003650F	Mechanical Calibration	Certificate Issue Date: 29.03.2023
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Certificate No	Received On	Received Condition	Calibration On	Calibration Due	Page No.
HTLS/23/JPH/318.01	29.03.2023	Working	29.03.2023	28.03.2024 <small>(As per customer requirements)</small>	1 of 1

- 1) a. **Calibrated for:**
M/s JP HOSPITAL.,
Tulsi Nagar,
Bhopal (M.P.),
- b. **Name of Equipment /Instrument :**
Centrifuge Machine
- c. **Calibration Location:** At Site

2) Description & Identification of Equipments / Instruments Under Calibrations (EUC*):

Manufactured by	Type	Range	Serial No.	Identification No.
AOV	Knob Type	Max: 3500 rpm	1-890565920-235670	---

3) Standards/ Calibrator & Measuring Equipments Used :

Standards Used	Make / I.D.No.	Traceability Certificate No.	Calibrated By	Validity
Digital Tachometer (Non Contact) with optical sensor	Lutom / DT-1236L / 1235100 / HTL/TM/02	L22101103-01	NABL : CC3172	10.10.2023

The Standards used for calibration were calibrated by using reference standard traceable to National Standard.

4) Principle /Methodology of Calibration & Procedure :

Methodology adopted for Calibration is as per HTLS Procedure NO.HTLS/CP/RPM/01-01, Which is compared with standard Tachometer.

5) Calibration Results:

Sl. No.	Dial Setting Knob Set at	Standard Value (Average)	Expended Uncertainty (\pm)
a.	1	728 rpm ± 10 rpm	± 6 rpm
b.	2	1852 rpm ± 10 rpm	± 6 rpm
c.	3	2529 rpm ± 10 rpm	± 6 rpm
d.	4	3172 rpm ± 10 rpm	± 6 rpm
e.	5	3508 rpm ± 15 rpm	± 6 rpm

The values have been rounded off as per IS:2-1960(whenever applicable).

Expended uncertainty reported is at approx 95% confidence level with K=2.

- 6) **Environmental Condition's):** a) Temperature: $25 \pm 2^\circ\text{C}$ b) Humidity: $50 \pm 10\%$

7) Calibration Status & Remark :

- a. A Calibration Sticker has been affixed on EUC*.
b. The Centrifuge Machine has been calibrated and status report has been given.
c. Refer to report before use.

*****END OF THE CERTIFICATE*****

Calibrated by:	
HAROON	
Calibration Engineer	

Approved by :	
SANJAY BAIS	
Quality Manager	

