



NABL

Accreditation Certificate No.: CC-2689  
(Electro-Technical, Mechanical  
& Thermal Calibration)



Hi-Tech

Hi-Tech Laboratory & Services

(A House of Measurement & Calibration)

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## CALIBRATION CERTIFICATE

(Form No. HTLS/QP/7.8.1/01 (Amendment No. 00 Dated 13 January 2020))

ULR : CC268920100009251F      Mechanical Calibration      Certificate Issue Date: 15.12.2020

Certificate No	Received On	Received Condition	Calibration On	Calibration Due	Page No.
HTLS/20/BH/894.06	12.12.2020	working	12.12.2020	11.12.2021 (As per customer requirements)	1 of 1

**1) a. Calibrated for:**

M/s Bansal Hospital ,  
C - Sector, Shahpura ,  
Bhopal - 462 016. (M.P.)

**b. Name of Equipment /Instrument :**

Digital Centrifuge Machine

**c. Calibration Location : At Site**

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

Manufactured by	Model	Serial No.	Type	Identification No.
REMI	R-8C BL	JGLC-13004	16 Tube	BH/LM/Patho/Centrifuge/15
Range	Least Count	Calibrated Range	Location	
6000 rpm	100 RPM	upto 5000 rpm	—	

**3) Standards/ Calibrator & Measuring Equipments Used :**

Standards Used	Make / Model	Sr.No.	Traceability Certificate No.	Validity
Digital Tachometer ( Non Contact ) with optical sensor	Lutorn / DT-1236L	1235100 / HTL/TM/02	RKL/20/L0023-01 CC317220100000038F	07.12.2021
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.	Unit	EUC Value (Average)	Standard Value (Average)	Deviation	Expanded Uncertainty ( ± )
a.	rpm	1000	945	55	5 rpm
b.	rpm	1500	1449	51	5 rpm
c.	rpm	3500	3462	38	5 rpm
d.	rpm	5000	4975	25	5 rpm

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

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

**6) Environmental Condition's):**

a) Temperature: 25±2°C

b) Humidity: 50±20%

**7) Calibration Status & Remark :**

- A Calibration Sticker has been affixed on EUC\*.
- The Centrifuge Machine RPM Meter has been calibrated and status report has been given.
- Refer to report before use.

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

<b>Calibrated by:</b> RAHUL PARMAR Calibration Engineer	
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<b>Approved by :</b> SANJAY BAIS Quality Manager	
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