



## CERTIFICATE OF CALIBRATION

Date: 15.02.2022

Name of equipment: Centrifuge

Model/Serial No: RC 8C PLUS (2GN-08420)

Identification No: CAH/MDACS/CEF/02

Location: HIV Testing Laboratory, ICTC CAMA & ALBLESS Hospital

Range: 0-3600 rpm

Working range: 0 - 3000 rpm

Tolerance (if applicable):  $\pm 5\%$  rpm

Manufacturer: REMI

Calibrated on: 15.02.2022

Next Calibration due on: 14.02.2023

Method of Calibration: In-house calibration done using calibrated tachometer (MEXTECH make- Model: DT-2234C, S/N: S087161)

Traceability Certificate No: C2212185/P/01

Test Conditions:

Temperature: 29°C

RH: 67%

Instrument	Readings (rpm)					
	1	2	3	4	5	Mean
Display reading 2500 rpm						
Tachometer reading	2518	2510	2522	2528	2515	2518.6
Display reading 3000 rpm						
Tachometer reading	2998	3002	3010	3012	3005	3010
Acceptable Variation $\pm 5\%$ rpm of the display reading						

Remarks: Instrument has passed the acceptance criteria

Checked by

Shivani Mestry

SRL Technical Officer

SRL JJH.

Verified by

**Assistant Professor**  
Department of Microbiology  
Grant Government Medical,  
College & Sir J. J. Group of  
Hospitals, Mumbai - 400 008.



**CALIBRATION CERTIFICATE**  
**MECHANICAL DISCIPLINE**

FF/31-E  
Page 1 of 1

ULR No.	CC238222300000715F		
Certificate No	C2212185/P/01	Issue Date	02/02/2022
Date of calibration	31/01/2022	Next Calibration Date	30/01/2023

Service Request Form No.	C2212185		
Calibrated For	J. J. Hospital Ward No 43, 2nd Floor Skin Ward, J. J. Hospital Road Mazgaon Mumbai Maharashtra India 400008		
Date of Receipt of Instrument	29/01/2022		
Condition of Instrument on Receipt	Working	Calibration at	Lab
Environmental Conditions	Temperature	23±1.5 °C	Relative Humidity 50±10 %RH

**Details of Unit Under Calibration (UUC)**

Instrument	Digital Tachometer	Equipment	NA
Make:	MEXTECH	Equipment Id	NA
Model No.:	DT-2234C	Department	NA
Sr. No:	S087161	Section	NA
Tag/Id. No.	JJH/MICRO/SERO/TECHM/01	Location:	NA
Procedure No	WI/ASPL/CAL/PR/07	Ref. Used:	-

Range / Size	Least Count	Accuracy/ Acceptance Criteria
2.5 to 99999 RPM	0.1 RPM upto 999.9 RPM & 1 RPM above 1000 RPM	± (0.05% + 1 Digit)

**Details of Standard(s) used for Calibration (Traceable to National & International Standards)**

Description	Make & Model	Serial No. & Id No	Traceability (Certificate No.)	Valid Upto
DIGITAL TACHOMETER	Monarch & PLT 200	1856742 & STD/P/PR/07	Hi Tech, Chennai (HT/CC/210623-20/003)	25/06/2022

**Measurement Result**

Group : Acceleration , Speed & Acoustics

**Observation Table**

Sr. No.	Calibration Point	Reading On Standard	Reading On UUC	Error	(±) Expanded Uncertainty
	RPM	RPM	RPM	RPM	RPM
1	100	100.01	100.0	-0.01	1.500
2	3000	3000.1	3000	-0.1	5.600
3	5000	5000.1	5001	0.9	5.600

**Remark**

- The reported expanded uncertainty of measurement is stated as a standard uncertainty of measurement multiplied by coverage factor "k = 2" such that the coverage probability corresponds to approximately 95% confidence level.
- The measured values mentioned are the average of 5 readings.
- Measured readings have been mentioned.

**Notes**

- This certificate refers only to the particular item calibrated at site / laboratory.
- The calibration results reported are valid at the time of and under the stated conditions of measurement.
- Any correction in this certificate invalidates this certificate.
- This certificate shall not be reproduced except, in full without the written approval from the Laboratory.
- Calibration of UUC done by any accredited laboratories is meant for scientific and industrial purpose only. However, if used for commercial trading, additional recognition/ approval shall be complied as required by Dept. of Legal metrology, Regulatory bodies, etc.

Authorised Signatory	Jyotindra Mehta Sr. Manager
Calibrated By	Prajakta Zagade Calibration Engineer



*[Signature]*  
Authorised Signatory

— End of Certificate —

