



MEASURE TECHNO LAB

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CC - 2545

CALIBRATION CERTIFICATE OF CENTRIFUGE

LIBRATION CERTIFICATE NO.: MTL / NRS MCH - ICTC(G) / R01 / 01 - 24

ULR - CC254524000004677F

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1.0 Service Request No.: MTL / 22A / 01 / 23 - 24

1.1 Issued to: M/s. NRS MCH - ICTC (ANC),
Department of Gynae & OBS,
Kolkata - 700014.

1.2 Description & Identification of item to be Calibrated:	a) Name:	Centrifuge	b) Code No.:	NRS - ICTC - G & O - CEN - 01
	c) Sl. No.:	GMLC - 5318	d) Make:	Remi
	e) Model / Type:	R - 8C	f) Range:	5250 rpm
	g) Sensor:	N.A.	h) Resolution:	10 rpm
	i) End User:	Gynae & OBS	j) Accuracy:	N.S.
	k) Calibration done at:	√ On Site / In House		

1.3 Date of receipt of item : 22-01-24

1.4 Physical Condition of DUC : OK

1.5 Date of calibration : 22-01-24

1.6 Recommended date of next calibration : 22-01-25

1.7 Date of Issue : 24-01-24

1.8 Environmental Conditions During Calibration: Temperature: 25 °C ± 2 °C
Humidity: 55 % RH ± 10 % RH

1.9 Method of Calibration: SOP / RPM / CF / 01

2.0 Traceability :

a) Standards used for calibration are traceable to National standards through NABL Accredited Laboratory.

b) The following standards / Equipment have been used.

i) Digital Tachometer Cal. Certificate No. JRPM - CF - 2023 - A&S - CSRF - 815 - C - 0016 (JRPM, Chennai) (Cal. Date: 08/07/23, Due Date: 07/07/24)

2.1 Result :

Mechanical Calibration: (Acceleration and Speed)

Sl. No.	Parameter/ Range	Nominal Value on DUC rpm	Std. Value Average of Five Readings rpm	Error rpm	Measurement Expanded Uncertainty ± rpm
1.		1020	1021.3	-1.3	
2.	Rotation	2100	2102.1	-2.1	
3.	5250 rpm	3300	3303.4	-3.4	5.99
4.		4320	4323.9	-3.9	
5.		5230	5234.5	-4.5	

Remarks: i) This result has an expanded uncertainty with a coverage factor k=2 at approximately 95% confidence level.

ii) The calibration certificate issued for this instrument is to be used for scientific or industrial purposes only.

iii) Error = DUC Reading - Standard Reading.

iv) Calibrations are carried out without any adjustment or repair.

DUC - Device Under Calibration

N.S. - Not Specified

N.A. - Not Applicable

Std. - Standard

rpm - Rotation Per Minute

Opinions and Interpretations

Calibrated	√	Accepted / Valid for use
Limited Use		Rejected / Out of use

Calibration Engineer

Measure Techno Lab

Kolkata

D.K. Singh
Calibration Engineer

Checked / Approved by

Quality / Technical Manager



Form No. - MTL/22/2006

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