


MEASURE TECHNO LAB 2, B.T. ROAD (JAYANTI CINEMA COMPLEX) BARRACKPORE, KOLKATA - 700120, W.B.	Form No. - MTL/22/2006	 <small>NABL ACCREDITED LABORATORY Certificate No. CC - 2545</small>
	CALIBRATION CERTIFICATE OF CENTRIFUGE	
Phone : 033 - 2215 - 0032, 2215 - 9687, 8100875519, Mobile: 9831190974 , LAB:- 8100143376, E-mail: measuretechno@yahoo.co.in		
CALIBRATION CERTIFICATE NO.:MTL / CNCI / R02 / 06 - 21	ULR - CC254521000009809F	Page: 1 of 1

1.0 Service Request No.: MTL / 08A / 06 / 21 - 22

1.1 Issued to: M/s. Chittaranjan National Cancer Institute,
Street No. 299, DJ Block (Newtown),
Action Area - I, Newtown, West Bengal - 700156.

1.2 Description & Identification of item to be Calibrated:	a) Name:	Centrifuge	b) Code No.:	N.S.
	c) Sl. No.:	ZFIN - 30099	d) Make:	Remi
	e) Model / Type:	R - 8C	f) Range:	5250 rpm
	g) Sensor:	N.A.	h) Resolution:	10 rpm
	i) End User:	Biochemistry	j) Accuracy:	N.S.
	k) Calibration done at:	√On Site / In House		

1.3 Date of receipt of item : 08-06-21 1.4 Physical Condition of DUC : OK
 1.5 Date of calibration : 08-06-21 1.6 Recommended date of next calibration : 08-06-22
 1.7 Date of Issue : 10-06-21

1.8 Environmental Conditions During Calibration: Temperature: 25 °C ± 3 °C
 Humidity: 50 % 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 - CCTR - A&S - 2020 - 0027 (JRPM, Chennai) (Cal. Date: 11/07/20, Due Date: 10/07/21)

2.1 Result :

Mechanical Calibration

Sl. No.	Parameter/ Range	Nominal Value on DUC rpm	Std. Value Average of Five Readings rpm	Error rpm	Measurement Expanded Uncertainty ± rpm
1.	Rotation 5250 rpm	1000	1002.3	-2.3	1.28
2.		2000	2004.7	-4.7	
3.		3000	3004.9	-4.9	
4.		4010	4005.1	4.9	
5.		5000	5007.3	-7.3	


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.

DUC - Device Under Calibration
Std. - Standard

N.S. - Not Specified
rpm - Rotation Per Minute

N.A. - Not Applicable

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

Calibrated by:

 Testing Engineer
 Measure Techno Lab
 Kolkata
 10/06/21

Checked / Approved by:

 Quality & Technical Manager
 S. Pandey