MEASURE TECHNO LAB 2, B.T. ROAD (JAYANTI CINEMA COMPLEX) BARRACKPORE, KOLKATA - 700120, W.B. Phone : 033 - 2215 - 0032, 2215 - 9687, 8100875519, Mobile: 9831190974 , LAB:- 8100143376, E-mail: measuretechno@yahoo.co.in	Form No. - MTL/22/2006 CALIBRATION CERTIFICATE OF CENTRIFUGE	NABL ACCREDITED LABORATORY Certificate No. CC - 2545
CALIBRATION CERTIFICATE NO.:MTL / HOP(LN-II) / R08 / 09 - 21	ULR - CC254521000018753F	Page: 1 of 1

1.0 Service Request No.: MTL / 14E / 09 / 21 - 22

1.1 Issued to: House of Pathology Labs Pvt. Ltd.
L - 113, Lajpat Nagar - 2,
New Delhi - 24.

1.2 Description & Identification of item to be Calibrated:

a) Name:	Centrifuge	**b) Code No.:**	N.S.
c) Sl. No.:	ZHFN-22290	**d) Make:**	Remi
e) Model / Type:	R-8C	**f) Range:**	5250 rpm
g) Sensor:	N.A.	**h) Resolution:**	10 rpm
i) End User:	Lab	**j) Accuracy:**	N.S.

k) Calibration done at: √On Site / In House

1.3 Date of receipt of item : 15-09-21 **1.4 Physical Condition of DUC :** OK

1.5 Date of calibration : 15-09-21 **1.6 Recommended date of next calibration :** 15-09-22

1.7 Date of Issue : 16-09-21

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 - 2021 - 0020 (JRPM, Chennai) (Cal. Date: 10/07/21, Due Date: 09/07/22)

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	490	488.72	1.28	5.78
2.		1020	1018.2	1.8	
3.		2010	2007.8	2.2	
4.		3030	3027.2	2.8	
5.		4140	4136.6	3.4	

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 **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	

Calibrated by:
D.K.Singh
D.K.Singh
Testing Engineer
Testing Engineer
Measure Techno Lab
Kolkata

Checked / Approved by:
SKP
Quality & Technical Manager
S. Pandey

Measure Techno Lab KOLKATA