



MEASURE TECHNO LAB

2, B.T. ROAD (JAYANTI CINEMA COMPLEX), BARRACKPORE,
KOLKATA - 700120, W.B.



NABL ACCREDITED LABORATORY
Certificate No. CC - 2543

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CALIBRATION CERTIFICATE OF CENTRIFUGE

Page: 1 of 1

CALIBRATION CERTIFICATE NO.: MTL / CARI(KOL) / R05 / 06 - 22

ULR - CC254522000015735F

1.0 Service Request No.: MTL / 14G / 06 / 22 - 23

1.1 Issued to: Central Ayurveda Research Institute
CCRAS, Ministry of AYUSH,
4 - CN Block, Sector - V, Bidhannagar,
Kolkata - 700091.

1.2 Description &
Identification of item
to be Calibrated:

a) Name:	Centrifuge	b) Code No.:	CARI / KOL / CEN - 01
c) Sl. No.:	ZFAN - 02552	d) Make:	Remi
e) Model / Type:	R - 8C Plus	f) Range:	6000 rpm
g) Sensor:	N.A.	h) Resolution:	100 rpm
i) End User:	Pathology & Bio-Chemistry	j) Accuracy:	N.S.
k) Calibration done at:	√ On Site / In House		

1.3 Date of receipt of item : 14-06-22 1.4 Physical Condition of DUC : OK

1.5 Date of calibration : 14-06-22 1.6 Recommended date of next calibration : 14-06-23

1.7 Date of Issue : 17-06-22

1.8 Environmental Conditions During Calibration: Temperature: 35 °C ± 10 °C
Humidity: 70 % RH ± 20 % 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.		1280	1282.3	-2.3	5.99
2.	Rotation	2730	2732.9	-2.9	
3.	6000 rpm	3610	3615.2	-5.2	
4.		4580	4586.3	-6.3	
5.		5220	5228.1	-8.1	

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:

Calibration Engineer
Measure Techno Lab
Kolkata

Checked / Approved by:

Quality & Technical Manager

S. Pandey