



MEASURE TECHNO LAB

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CALIBRATION CERTIFICATE OF CENTRIFUGE

CC - 2545

CALIBRATION CERTIFICATE NO.: MTL / MCL / R01 / 12 - 23

ULR - CC254523000042517F

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1.0 Service Request No.: MTL / 12B / 12 / 23 - 24

1.1 Issued to: M/s. Mukherjee Clinical Laboratory,
43/C/5, Jatindra Sarani, Champadali,
North 24 Parganas, Kolkata - 700124.

1.2 Description & Identification of item to be Calibrated:	a) Name:	Centrifuge	b) Code No.:	MCL / CF - 01
	c) Sl. No.:	ZIIN - 36915	d) Make:	Remi
	e) Model / Type:	C - 854 / 4	f) Range:	3500 rpm
	g) Sensor:	N.A.	h) Resolution:	N.A.
	i) End User:	Lab	j) Accuracy:	N.S.
	k) Calibration done at:	√ On Site / In House		

1.3 Date of receipt of item : 08-12-23

1.4 Physical Condition of DUC : OK

1.5 Date of calibration : 08-12-23

1.6 Recommended date of next calibration : 08-12-24

1.7 Date of Issue : 10-12-23

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	Knob Set at Switch Position	Std. Value Average of Five Readings rpm	Measurement Expanded Uncertainty ± rpm
1.	Rotation 3500 rpm	1	1070.2	1.28
2.		2	1766.2	
3.		3	2265.3	
4.		4	2615.4	
5.		5	3104.2	

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) 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

D.K. Singh

Calibration Engineer

Checked / Approved



Quality / Technical Manager
S. Pandey

Form No. - MTL/22/2006

Issue No. : 2

Issue Date : 10.11.06

Rev. No. : 04

Rev. Date : 01.04.22