

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

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Form No. - MTL/22/2006

**CALIBRATION CERTIFICATE OF**  
**CENTRIFUGE**



CALIBRATION CERTIFICATE NO.: MTL / MMC&H(SL) / R01 / 02 - 22

ULR - CC254522000006613F

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1.0 Service Request No.: MTL / 23C / 02 / 21 - 22

1.1 Issued to: Prof. & HOD,  
 Department of Microbiology (Serology Lab)  
 Midnapore Medical College & Hospital,  
 Paschim Medinipur, West Bengal - 721101.

1.2 Description & Identification of item to be Calibrated:

a) Name:	Centrifuge	b) Code No.:	MMC / MICRO / SERO / CF - 01
c) Sl. No.:	ZCLN - 36534	d) Make:	Remi
e) Model / Type:	R - 8C	f) Range:	5250 rpm
g) Sensor:	N.A.	h) Resolution:	10 rpm
i) End User:	Serology Lab	j) Accuracy:	N.S.
k) Calibration done at:	√ On Site / In House		

1.3 Date of receipt of item : 23-02-22      1.4 Physical Condition of DUC : OK

1.5 Date of calibration : 23-02-22      1.6 Recommended date of next calibration : 23-02-23

1.7 Date of Issue : 26-02-22

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.		1080	1081.3	-1.3	
2.	Rotation	2120	2122.8	-2.8	
3.	5250 rpm	2820	2824.8	-4.8	5.99
4.		3560	3566.1	-6.1	
5.		3920	3927.8	-7.8	

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      rpm - Rotation Per Minute  
 Std. - Standard

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

Calibrated by  
*Testing Engineer*  
**Measure Techno Lab**  
 D.K. Singh  
 Testing Engineer  
*D.K. Singh*  
 26/02/22

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