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

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CALIBRATION CERTIFICATE NO.:MTL / MMC&H(SL) / R02 / 02 - 22

Form No. - MTL/22/2006

CALIBRATION CERTIFICATE OF CENTRIFUGE



ULR - CC254522000006614F

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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 &

a) Name:

Centrifuge

b) Code No.:

MMC / MICRO / SERO / CF - 02

Identification of item to be Calibrated:

c) Sl. No.:

ZCIN - 26085

d) Make: f) Range: Remi

g) Sensor:

e) Model / Type: R - 8C N.A.

h) Resolution:

5250 rpm 10 rpm

i) End User:

j) Accuracy:

N.S.

k) Calibration done at:

Serology Lab

1.3 Date of receipt of item: 1.5 Date of calibration:

23-02-22

√On Site / In House 1.4 Physical Condition of DUC:

1.6 Recommended date of next calibration:

23-02-23

23-02-22

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.		1002	1000.8	1.2	
2.	Rotation	1999	1995.9	3.1	1
3.	5250 rpm	3004	2999.4	4.6	5.99
4.		4004	3998.4	5.6	
5.		4170	4163.9	6.1	

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

rpm - Rotation Per Minute

Std. - Standard

Opinions and Interpretations			
Calibrated	$\sqrt{}$	Accepted / Valid for use	
Limited Use		Rejected / Out of use	

Calibrated by:

Testing Engineer

Mean-Ksiffshchno Lab

Testing Engineer

Quality & Technical Manager