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

CALIBRATION CERTIFICATE NO.:MTL / MMC&H(SL) / R06 / 02 - 22

Form No. - MTL/22/2006

CALIBRATION CERTIFICATE OF ROTARY SHAKER



ULR - CC254522000006618F

Page: 1 of 1

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:

Rotary Shaker

b) Code No.:

MMC / MICRO / SERO / RS - 01

Identification of item

c) Sl. No.:

ZCLS - 38766

d) Make:

Remi Elektrotechnik

to be Calibrated:

e) Model / Type: RS - 12 Plus

f) Range:

50 rpm to 400 rpm

g) Sensor: i) End User: N.A.

h) Resolution:

1 rpm

k) Calibration done at:

j) Accuracy: Serology Lab √ On Site / In House

N.S.

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.	Rotation	100	101.52	-1.52	
2.	50 rpm to 400	200	197.66	2.34	1.28
3.	rpm	400	396.11	3.89	

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			
		Accepted / Valid for use	
Calibrated	· · · · · · · · · · · · · · · · · · ·	Rejected / Out of use	
Limited Use		Rejected / Out of use	T'a

Testing Engineer Measuresting Projection Engineer **Testing Engineer**

echnical Manager