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 / CNCI / R01 / 06 - 21

Form No. - MTL/22/2006

CALIBRATION CERTIFICATE OF CENTRIFUGE



ULR - CC254521000009808F

Page: 1 of 1

1.0 Service Request No.: MTL / 08A / 06 / 21 - 22

1.1 Issued to:

M/s. Chittaranjan National Cancer Institute,

Street No. 299, DJ Block (Newtown),

Action Area - I, Newtown, West Bengal - 700156.

1.2 Description & Identification of item a) Name:

Centrifuge

b) Code No .:

N.S.

to be Calibrated:

c) Sl. No.:

ZECN - 10352

d) Make:

Remi

e) Model / Type: R-8C g) Sensor:

N.A.

f) Range:

5250 rpm

i) End User:

h) Resolution: j) Accuracy:

10 rpm

k) Calibration done at:

Biochemistry √On Site / In House N.S.

1.3 Date of receipt of item:

08-06-21

1.4 Physical Condition of DUC:

OK

1.5 Date of calibration:

08-06-21

1.6 Recommended date of next calibration: 08-06-22

1.7 Date of Issue:

10-06-21

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 - 2020 - 0027

(JRPM, Chennai)

(Cal. Date: 11/07/20, Due Date: 10/07/21)

2.1 Result:

Mechanical Calibration

| SI. No. | Parameter/ Range | Nominal Value on DUC rpm | Std. Value Average of Five Readings rpm | Error rpm | Measurement Expanded Uncertainty ± rpm |
|------------|----------------------|--------------------------------|---|--------------|--|
| 1. | Rotation 5250 rpm | 1000 | 1001.2 | -1.2 | 1.28 |
| 2. | | 2000 | 2001.5 | -1.5 | |
| 3. | | 3000 | 3002.8 | -2.8 | |
| 4. | | 4000 | 4003.1 | -3.1 | |
| 5. | | 5000 | 5004.9 | -4.9 | |

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**



& Fechnical Manager S. Pandey