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| 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 | Form No. - MTL/22/2006 |  <small>NABL ACCREDITED LABORATORY Certificate No. CC - 2545</small> |
| | CALIBRATION CERTIFICATE OF CENTRIFUGE | |
| CALIBRATION CERTIFICATE NO.:MTL / CNCI / R08 / 06 - 21 | ULR - CG254521000009815F | 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.

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|--|-------------------------|----------------------|----------------|----------|
| 1.2 Description & Identification of item to be Calibrated: | a) Name: | Centrifuge | b) Code No.: | N.S. |
| | c) Sl. No.: | ZEIN - 31029 | d) Make: | Remi |
| | e) Model / Type: | C 854 / 8 | f) Range: | 3500 rpm |
| | g) Sensor: | N.A. | h) Resolution: | N.A. |
| | i) End User: | Hematology | j) Accuracy: | N.S. |
| | k) Calibration done at: | √ On Site / In House | | |

| | | | |
|-------------------------------|----------|--|----------|
| 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

| Sl. No. | Parameter/ Range | Knob set at Position | Std. Value Average of Five Readings rpm | Measurement Expanded Uncertainty ± rpm |
|---------|----------------------|----------------------|---|--|
| 1. | Rotation 3500 rpm | 1 | 1155.2 | 1.28 |
| 2. | | 2 | 1281.6 | |
| 3. | | 3 | 2136.7 | |
| 4. | | 4 | 2487.2 | |
| 5. | | 5 | 3209.1 | |

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.

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:

D.K. Singh
Testing Engineer
Measure Techno Lab
Kolkata

Checked / Approved by:

S. Pandey
Quality & Technical Manager
S. Pandey