



TMSCC

TESTING MACHINE SERVICE AND CALIBRATION CENTRE
Precision is Our Destination.....

An ISO 9001 : 2015 Certified company
Calibration of Various Instruments & Testing Machines...



CC - 3125

Form No.: TMSCC/R/23

CALIBRATION CERTIFICATE

CALIBRATION CERTIFICATE NO.: 2024/07/736 Page 1 of 2

ISSUE DATE : 17-Jul-2024

ULR No.: CC312524000013635P

1.0 ISSUED TO : M/s.: Vinayaka Clinic
9A, B.M Mandal Road, Santoshpur, Kolkata - 700075



1.1 Service Request From No. : SRF/2024/07/01/05

1.2 Service Request Date : 1-Jul-2024

1.3 Location : At Lab

1.4 Description identification of item to be calibrated :

i	Name :	Timer & RPM of Centrifuge	ii	Make :	Electra- BL
iii	Model / Type No.:	--	iv	S/L No.:	--
v	I.D.No.:	VC/CF/01	vi	Job Code No.:	2024/07/736
vii	Capacity	(10 to 4000) Rpm & 99 Min	viii	Resolution :	1 Rpm & 1 Min
ix	Accuracy :	As Per ASTM F-2046, NIST: 1960-12	x	End User :	--

1.5 Full / Partial Calibration : Partial Calibration

1.6 Applicable specification of item to be calibrated: Accuracy / permissible limit : Not Specified.

1.7 Date of receipt of item : 1-Jul-2024 1.7 Date of calibration : 1-Jul-2024

1.9 Calibration due on : 30-Jun-2025 1.9 Frequency of calibration once in : 12 Months

2.1 Environmental condition during calibration :
Temperature : 25.2 °C
Humidity : 56 % RH

2.2 Basis of calibration : SOP/05/01, SOP/9/16

2.3 Traceability : Standards used for calibration are traceable to National Standards through NABL accredited Laboratory.

Name of Instrument	Sl. No./ Id No.	Certificate No.	Lab Certificate No.	Calibrated On	Due On
Digital Tachometer	(Sl. No.- 197-0062V)	TSC/23-24/20427-4	CC-2231	14-03-2024	13-03-2025
Digital Time Totaliser	(TMSCC/TT/01) (Sl. No.- 19HT0559)	TC/23-24/1387-22	CC-2230	09-11-2023	08-11-2024

CALIBRATION RESULTS

1. RPM Range: (0- 4000) rpm, L/c : 1 rpm

Sl. No.	Denomination set in rpm	Observed Reading at Ref. Std. in rpm (Average of five readings)	Error in rpm	Uncertainty in (±) %	Acceptance Criteria
1	502	503.2	1.2	0.69	Pass
2	1250	1252.9	2.9	0.69	Pass
3	2130	2134.9	4.9	0.69	Pass
4	2940	2946.8	6.8	0.69	Pass
5	3945	3954.1	9.1	0.69	Pass

Maximum Permissible Error : (±) 1% of rdg

Calibrated By :

P. Dasmalakar

(Sr. Calibration Engineer)

Checked By :

C. Ghosh

(Technical Director)



Approved By :

S. Chowdhury

(Quality Manager)