



TMSCC

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

An NABL Accredited Calibration Laboratory
A Constituent Board of Quality Council of India
An ISO 9001 : 2015 Certified company

Calibration of Various Instruments & Testing Machines...



CC - 3125

Form No.: TMSCC/R/23

CALIBRATION CERTIFICATE

CALIBRATION CERTIFICATE NO.: TMSCC-1128-22-23 Page 1 of 2

ISSUE DATE : 26-May-2022

ULR No.: CC312522000002182F

1.0 ISSUED TO : M/s.: ICTC, MCH
88, College Street, Kolkata - 700 073

1.1 Service Request Form No. : SRF/22-23/05/042

1.2 Service Request Date : 02-05-2022

1.3 Location : At Lab

1.4 Description identification of item to be calibrated :

i	Name :	RPM of Centrifuge	ii	Make :	Remi
iii	Model / Type No.:	Knob Type	iv	S/L No.:	--
v	I.D.No.:	ICTC/CF/01	vi	Job Code No.:	22-23/1128
vii	Range :	(0 to 3500) rpm	viii	Resolution :	--
ix	Accuracy :	As per ASTM F-2046	x	End User :	--

1.5 Full / Partial Calibration : Full Calibration

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

1.7 Date of receipt of item : 24-May-2022 1.8 Date of calibration : 24 May-2022

1.9 Calibration due on : 24-May-2023 2.0 Frequency of calibration once in : 365 Days

2.1 Environmental condition during calibration :
Temperature : 25°C ± 5°C
Humidity : (50 ± 20)% RH

2.2 Basis of calibration : SOP/05/01

- The above Instrument has been calibrated over its range and the results are tabulated from page 2 of report.
- The Calibration Certificates relates only to the above DUC & reported results are valid at the time of and under the stated conditions of measurements.
- Errors if any, in this certificate shall be brought to notice within 45 days from the date of this certificate.
- NABL-133 guidelines are adopted for use of NABL symbol.
- This certificate shall not be reproduced, except in full, without the written permission of TMSCC
- Corrections/erasing. invalidate the Calibration Certificate- exception to the 'Final Page or Part of this Report- provided for incorporation of additional data(To be filled by customer authorized signatory and not under calibration laboratory control).
- Laboratory Standards are traceable to National Standards
- In Result Sheets, 'Pass' indicates measured readings are within specification limit, 'Fail' indicates measured readings are out of specification limit & '-' indicates no specification limit furnished. Acceptance criteria as per IS

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

Name of the Instrument	Sl. No./ Id No.	Certificate No.	Lab Certificate No.	Calibrated On	Due On
Digital Tachometer	(TMSCC/DT/01) (Sl. No.- 197-0010V)	TMSCC-INTR-DT-08-21-22	CC - 3125	25-11-2021	24-11-2022



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		Date : 26-May-2022			
		Page No.: 2 of 2			
CALIBRATION RESULTS					
Sl. No.	Knob Position	Observed Reading at Ref. Std. in rpm (Average of five readings)	Error in rpm	Uncertainty in (±) %	Acceptance Criteria
1	1	696.8	--	0.39	Pass
2	2	1393.6	--	0.39	Pass
3	3	2090.4	--	0.39	Pass
4	4	2787.2	--	0.39	Pass
5	5	3484.0	--	0.39	Pass
Maximum Permissible Error : (±) 1% of rdg					
Measurement Uncertainty at 95% Confidence Level where Coverage Factor k = 2					
REMARKS : The DUC has been calibrated over its range. The readings observed are tabulated above. The reference standard is traceable to National standard.					
DUC: Device Under Calibration.					
Physical Status of the DUC : OK					

Calibrated By :

P. Dasmalakar
(Calibration Engineer)

Checked By :

C. Ghosh
(Technical Director)

Approved By :

S. Chowdhury
(Quality Manager)

END OF CERTIFICATE

