



# 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.: 2023/03/420 Page 1 of 2

ISSUE DATE : 17-Mar-2023

ULR No.: CC312523000002549F

1.0 ISSUED TO : M/s.: Anubhab Life care  
2/8, Jessore Road(East),Genjimill ,  
Barasat Medical College ,Barasat, North 24 pgs,W.B Near

1.1 Service Request From No. : SRF/2023/03/11/01

1.2 Service Request Date : 11-Mar-2023

1.3 Location : At Lab

1.4 Description identification of item to be calibrated :

i	Name :	Timer & RPM of Centrifuge	ii	Make :	Remi
iii	Model / Type No.:	YVEYA-2	iv	S/L No.:	21EN-21145
v	I.D.No.:	ALC/CF/02	vi	Job Code No.:	2023/03/420
vii	Capacity	4000 Rpm & 99 min	viii	Resolution :	10 Rpm & 1 Min
ix	Accuracy :	As Per ASTM F-2046, NIST: 1960-12	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 : 11-Mar-2023 1.7 Date of calibration : 11-Mar-2023

1.9 Calibration due on : 11-Mar-2024 1.9 Frequency of calibration once in : 366 Days

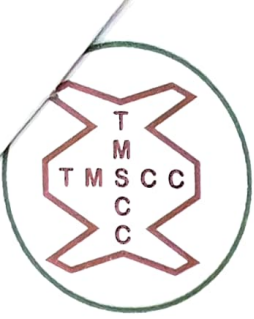
2.1 Environmental condition during calibration :  
Temperature : 25°C ± 5°C  
Humidity : (50 ± 20)% RH

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

- 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 Instrument	Sl. No./ Id No.	Certificate No.	Lab Certificate No.	Calibrated On	Due On
Digital Tachometer	(TMSCC/DT/01) (Sl. No.- 197-0010V)	TMSCC-1579-22-23	CC-3125	24-11-2022	24-11-2023
Digital Time Totaliser	(TMSCC/TT/01) (Sl. No.- 19HT0559)	TSC/22-23/12095-38	CC-2231	15-11-2022	15-11-2023



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## CALIBRATION RESULTS

1. RPM Range: Maximum 5250 rpm, L/c : 10 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	1000	996.9	-3.1	0.44	Pass
2	2000	1993.8	-6.2	0.44	Pass
3	3000	2990.7	-9.3	0.44	Pass
4	3950	3937.8	-12.2	0.44	Pass

Maximum Permissible Error : (±) 1% of rdg

2. Time Maximum Range : 99 min L/c: 1 min

Sl. No.	Reading at Standard Totaliser in sec.	Reading at DUC in Min (Avg. of five readings)	Error in sec	Uncertainty in ± sec	Acceptance Criteria
1	300.28	5	0.28	2.36	Pass
2	900.50	15	0.50	2.36	Pass
3	1801.38	30	1.38	2.36	Pass

Maximum Permissible Error : ± 5 sec (upto 1 min) / ± 6 sec (above 1 min)

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. K. Modak  
(Sr. Calibration Engineer)

Checked By :

C. Ghosh  
(Technical Director)

Approved By :

S. Chowdhury  
(Quality Manager)

END OF CERTIFICATE

