



S.M. ENTERPRISES

27th
Years of Service

(Calibration and Testing of Electrical, Electronic & Precision Instruments)

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CALIBRATION CERTIFICATE

CALIBRATION ON 16/10/2023	CALIBRATION DUE 15/10/2024
1. Calibration Report Ref. No. & Date :	SME/NP/HOD/DTM/CAL-01/2023;Dt:16/10/2023
2. Requested by : (Name and address of the organization)	M/s. Prof and HOD , State reference Lab Department of Microbiology, Govt medical college, Vishakapatnam
3. Instrument Name:	Digital Tachometer
4. Make/Model:	Mextech / DT-2234C
5. Instrument SL No:	SRL/HIVTL/Tachometer/01
6. Range:	1 to 99,999 RPM
7. Accuracy:	+/- 1 RPM from 1 to 5000 & +/- 0.05% over 5000 RPM
8. Test parameter & condition	Speed V/s Speed
9. Standard Instruments used for Calibration	Digital Tachometer & Time interval meter
10. Traceability Certificate Ref. No	C-221111-4-1;Dt:14/11/2022,DueDt:14/11/2023 FCRI/NVL-C/1351/23/268;Dt:04/10/2023,DueDt:03/10/2025 C-230613-5-1;Dt:22/06/2023,DueDt:22/06/2024

Test Results

Sl No	Reading Of RPM in Dig Master Tachometer	Observed Reading Of RPM in Digital Tachometer	Error(+/-) in RPM
1	25.0	24.7	0.3
2	50.0	50.1	0.1
3	100.0	100.0	0.0
4	1000.0	1000.1	0.1
5	8000	8000	0.0
6	10000	10001	1.0
7	15000	15001	1.0
8	20000	20000	0.0
9	30000	30000	0.0
10	40000	40001	1.0
11	50000	50001	1.0
12	90000	90000	0.0

PLEASE NOTE: THE INSTRUMENTS ERROR FOUND TO BE WITHIN THE SPECIFIED ACCURACY LIMIT AND THIS CERTIFICATE VALID FOR PERIOD OF ONE YEAR FROM THE DATE OF ISSUE.

