



Scientific Temper



Honesty, Humility



NORTHLAB (INDIA) PVT. LTD.

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CERT No. CC-2457



Calibration Certificate

Cert. No. : 2781020-M01	ULR. No. : CC245720100002014F
Date of Issue : 19-Oct-2020	Page : 1 of 1
Customer : SRI SARAVANA ELECTRICAL SERVICE CENTRE	Date Received : 19-Oct-2020
Address : No.4/9, Perumal Salai, New Perungalathur, Chennai - 600 063.	Date Calibrated : 19-Oct-2020
	Due Date : 18-Oct-2021
	Ambient Temp. : 25±1°C
	Relative Humidity : 60±10% r.h.
Instrument : <u>DIGITAL TACHOMETER</u>	Serial No. : L207608
Manufacturer : LUTRON	Instrument ID. : ---
Model No. : DT-2234C	Range (Res) : 0.1~99999 r.p.m(0.1/1r.p.m)
Part No. : ---	Accuracy / MPE : ± 0.05 % +1 digit
Location : ---	Test Results : As Found

METHOD OF CALIBRATION

The instrument was calibrated as per method no. MTM (Based on TR 45-02) at Northlab in accordance with ISO/IEC 17025:2017(E).

<u>Standard Instrument Used</u>	<u>ID No. / Cert. No</u>	<u>Cal. Date</u>	<u>Cal.Due</u>	<u>Traceability</u>
1. DIGITAL TACHOMETER	SALPR/1825/1/18-S1	03-Apr-2019	02-Apr-2021	NL SG

RESULTS OF MECHANICAL CALIBRATION

NON CONTACT					
NOMINAL VALUES (r.p.m)	INSTRUMENT READINGS (r.p.m)	CORRECTION (r.p.m)	TOLERANCE (r.p.m)	STATUS	MEASUREMENT UNCERTAINTY ± (r.p.m)
100.0	100.0	0.00	0.15	PASS	0.24
1000	1001	-1	1.50	PASS	2.27
5000	4999	1	3.50	PASS	4.30
10000	9999	1	6.00	PASS	7.08
20000	19999	1	11.00	PASS	12.94
50002	50001	1	26.00	PASS	30.12
89998	89997	1	46.00	PASS	53.17

REMARKS / DEVIATIONS IF ANY (SEE BACK OF THIS PAGE)

1. The instrument is within the Maximum Permissible Error..



K. Sankar
K.Sankar
Calibration Officer

A.Murugappan / L.Muthuraman / M.Kumar
Authorised Signatory
NorthLab (I) Pvt. Ltd

End of Certificate

SRI SARAVANA ELECTRICAL SERVICE CENTRE

4/9, PERUMAL SALAI, NEW PERUNGALATHUR. CHENNAI-600 063 No.

Specialist in: All kind of Scientific Instruments and Medical Equipments, Service Works Hospital, College, Clinical Lab, Blood Bank Equipments, Cooling Centrifuges, B.O.D, Incubator, Auto Clave, Furnace, Microscopes, Laminar Flow, Deep freezers, Incubators, Hot air ovens. And others Calorimeter,

We Are Undertaking Annual Maintenance Contract and Instruments Calibration.

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CALIBRATION CERTIFICATE

CUSTOMER NAME AND ADDRESS
THE BIOCLINICAL LABORATORY,
(R.T.O. BUILDING)
NO.4, SAI NAGAR MAIN ROAD,
VIRUGAMBAKKAM,
CHENNAI-600 092.

CALIBRATION CERTIFICATE NO : 3071/21
DATE OF CALIBRATION : 09-02-2021
NEXT CALIBRATION DATE : 09-02-2022

DESCRIPTION OF ITEM : LABORATORY CENTRIFUGE. ELECTRA
MODEL NO : R.8C- /8/13
SL.NO : HGLC-10541
ROTOR HEAD : 16X15 ML . SOH
LOCATION : LABORATORY
MAKE : REMI

DETAILS OF EQUIPMENT USED FOR CALIBRATION:

SR.	DESCRIPTION	CERTIFIED BY	CERTIFICATE.NO.	VALIDITY
1.	DIGITAL TACHO METER. LUTRON MODEL. DT.2234.C. SL NO.L.207666	NORTH LAB CHENNAI. 4 NABL.	CERTIFICATE XEROX ENCLOSED	CERTIFICATE XEROX ENCLOSED

OBSERVATIONS:

SR.	INSTRUMENT SPEED DISPLAYED (RPM)	SPEED READING ON TACHOMETRE (RPM)	DIFF.IN.ACTUAL &TACHOMETRE (RPM)	REMARK
1.	1000	1060	60	Acceptable
2.	1750	1800	50	Acceptable
3.	2600	2650	50	Acceptable
4	3000	3060	60	Acceptable
5	4000	4050	50	Acceptable

Remark: 1. CALIBRATION TRACEBLE TO NATIONAL STANDARDS
2.OVERALL DEVIATION IS WITH IN SPECIFIED ACCURACY, HENCE THE INSTRUMENT IS OK.
3. RESULTS ARE RELATED ONLY TO THE ITEM CALIBRATED
4MAXIMUM TOLERANCE PERMISSIBLE IS ± 100 RPM
5 TRACEABILITY XEROX COPY ENCLOSED

AUTHORIZED SIGNATURE & CALIBRATED BY

R. DURAI BABU
(Service Engineer)