



ROOTS INDUSTRIES INDIA LIMITED
ROOTS METROLOGY & TESTING LABORATORY
 H.F.G Industrial Estate, Ganapathy, Coimbatore-641 006, India
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CALIBRATION CERTIFICATE

ULR Number: CC275219000083790F

Name and address of the customer The Medical Officer Government Primary Health Center Panayapatti-Pudukkottai(dist)	Certificate no :Rmtl/01/319101310/021 Date of calibration :28/8/2023 Suggested calibration due:27/8/2024 Customer po.reference. &date:
Name Of The Duc : CENTRIFUGE Make: labotech Model: BM-152 Sl.No :NA Range/Size :1-4000RPM/230v	Receiving Condition Of Duc :Good Ref. Document:As Per Manufactures Specification Environmental Condition:25.3 Deg & 54.3% Rh Uncertainty Of Measurement:As Per Report Location:lab

1. DESCRIPTION OF DUC
 THE MASTERS ARE TRACEABLE TO NATIONAL/INTERNATIONAL STANDARDS AS PER ISO/IEC17025.
 2. DETAILS OF MASTER USED

Standard Instrument Used	Make/Model	Id No	Traceable To/Certificate No	Validity
Decade Megohm	Valsashika	Rml-230	Valseshika, Ambala Cantt/Ved/Nabl/18-19(Et)/92	1-6-2024
Digital Tachometer	Mextec	Rml-251	Gsg/19/206/Tm/01	1-6-2024
Multi Product Calibrator	Fluke	Rml-262	Wavecal, Blr/Cs-18/01-01	1-6-2024
Multi Product Calibrator (Ac/Dc Current Coil)	Transmille	Rml-252-1	Wavecal, Blr/Cs-18/69-01	1-6-2024
Leakage Current Tester	Htc/CI-2054	Rml-254-1	Rmtl/01/319107848	1-6-2024

Sl.no	Range	Master reading sv	Calibrated value sv	Error observe dv	Uncertainty v
1	0v to 400v	230	231	1	0.055

CALIBRATION FIELD: Electr oTechnical (Voltage Calibration-Ac)
 CURRENT CALIBRATION Ac Current @ 50Hz

Sl.no	Range	Master readings mA	Callibrated values mA	Error observed mA	Uncertainty mA
1	40Ma-100A	2	2.002	-0.002	0.045

Resistance calibration

Sl.no	Range	Master readings ohms	Calibrated values ohms	Error observed ohms	Uncertainty Ohms
1	40	39	39.01	0.001	0.007

CALIBRATION FIELD: RPM Calibration

Sl.no	Range	Master readings RPM	Callibrated values RPM	Error observed RPM	Uncertainty RPM
1	1RPM to 4000RPM	1600RPM	1599RPM	1RPM	0.055

4. remarks
 4.1. uncertainty estimated for a confidence level of 95% at the k factor=2
 4.2. the reported results are valid only for the condition of the inst./gauge received at the time of and under the condition of the calibration
 4.3. DUC- device under calibration
 4.4. Calibration label/status: Calibration result pass & failure indicated

 CALIBRATION ENGINEER	 CALIBRATION SEAL	 AUTHORIZED SIGN	This Report Refers Only To The Sample Submitted And May Not Be Reproduces In Full Or In Part, Without Written Permission From Roots Metrology & Testing Laboratory, Coimbatore, cell:9585840192
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