



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

Name and address of the customer  
 The Medical Officer  
 Government Primary health centre  
 Melaisivapuri -pudukkottai( dist)

Certificate no : ULR Number: CC275219900003799F  
 Date of calibration : Rmnl/01/3191072A2/1A  
 Suggested calibration due : 06/03/2023  
 Customer po .reference.& date: : 06/03/2024

**1.DESCRPTION OF DUC**

Name Of The Duc: CENTRIFUGE  
 Make : yorco  
 Model : 08-00  
 Sl.No : umlo-85  
 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

THE MASTERS ARE TRACEABLE TO NATIONAL/INTERNATIONAL STANDARDS AS PER ISO/IEC 17025.

**2.DETAILES OF MASTER USED**

Standard Instrument Used	Make/ Model	Id No	Traceable To/Certificate No	Validity
Decade Megohm	Vaisashika	Rml-230	Vaiseshika,Ambala Cantt/Ved/Nabl/18-19(Et)/92	1-6-2023
Digital Tachometer	Mextec	Rml-251	Gsg/19/206/Tm/01	1-6-2023
Multi Product Calibrator	Fluke	Rml-262	Wavecal,Blr/Cs-18/01-01	1-6-2023
Multi Product Calibrator (Ac/Dc Current Coil)	Transmille	Rml-252-1	Wavecal,Blr/Cs-18/69-01	1-6-2023
Leakage Current Tester	Htc/CI-2054	Rml-254-1	Rmnl/01/319107848	1-6-2023

**CALIBRATION FIELD: Electro Technical (Voltage Calibration -Ac)**

Sl.no	Range	Master readings v	Calibrated values v	Error observed v	Uncertainty v
1	0 v to 400v	230	231	1	0.055

**CURRENT CALIBRATIONAc Current @50Hz**

Sl.no	Range	Master readings mA	Calibrated 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	Calibrated 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

4.2the 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

Calibration label /status : Calibration result pass & fail are indicated

  
 CALIBRATION ENGINEER

  
 CALIBRATION SEAL

  
 AUTHORIZED SIGN

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