

ROOTS INDUSTRIES INDIA LIMITED

ROOTS METROLOGY & TESTING LABORATORY

R.K.G Industrial Estate, Ganapathy, Coimbatore-641 006,India Phone : 9688762679



CALIBRATION CERTIFICATE

ULR Number: CC275219000083790F

Name and address of the	e customer	Certificate no	: Rmtl/01/319107850/65			
The Medical Officer		Date of calibration	:27/09/2023			
Government Primery Hea	alth Centre	Suggested calibration due	: 26/09/2024			
sithamalli–Thiruvarur(dis	st)	Customer po .reference.& date:				
1.DESCRIPTION OF DUC						
Name Of The Duc: pipet	te	Receiving Condition Of Duc	:Good			
Make : na		Ref. Document :As	Per Manufactures Specification			
Model : na		Environmental Condition	:25.3 Deg & 54.3% Rh			
Sl.No : 4640	0040-N	Uncertainty Of Measureme	nt :As Per Report			
Range/Size : 10 m	icro litter	Location	:lab			

THE MASTERS ARE TRACEABLE TO NATIONAL/INTERNATIONAL STANDARDS AS PER ISO/IEC 17025. 2.DETAILS OF MASTER USED

Standard Instrument Used	Make/ Model	ld No	Traceable To/Certificate No	Validity
Multi Product Calibrator	Fluke	Rml-262	Wavecal,Blr/Cs-18/01-01	1-6-2024
Micro balance	mettle toledo/XP26PC	QP-01	B115129039/CC-2523	1-6-2024
Universal Measuring Instrument	ALMEMO/2590-4AS	QP-10	H19070544/CC-2052	1-6-2024
With Sensor For Envirnmental				
Parameter				

CALIBRATION FIELD: WEIGHT Calibration

Sl.no	Range	Master readings micro litter	Calibrated values micro litter	Error observed micro litter	Uncertainty
1	10 micro litter	10	9.9	0.1	0.055

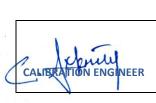
4.remarks

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







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ULR Number: CC275219000083790F

Name and address	of the customer	Certificate no : Rmtl/01/319107850/66			
The Medical Officer		Date of calibration :27/09/2023			
Government Prime	Government Primery Health Centre Suggested calibration due : 26/09/2024				
sithamalli–Thiruvar	ur(dist)	Customer po .reference.& date:			
1.DESCRIPTION OF DUC					
Name Of The Duc	: CENTRIFUGE	Receiving Condition Of Duc :Good			
Make	: bd instrument	Ref. Document :As Per Manufactures Specification			
Model	: bdi 152	Environmental Condition :25.3 Deg & 54.3% Rh			
SI.No	: na	Uncertainty Of Measurement : As Per Report			
Range/Size	: 1-4000RPM/230v	Location :lab			

THE MASTERS ARE TRACEABLE TO NATIONAL/INTERNATIONAL STANDARDS AS PER ISO/IEC 17025. 2.DETAILS OF MASTER USED

Standard Instrument Used	Make/ Model	ld No	Traceable To/Certificate No	Validity			
Decade Megohm	Vaisashika	Rml-230	Vaiseshika, 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/Cl-2054	Rml-254-1	Rmtl/01/319107848	1-6-2024			
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

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