

## CALIBRATION CERTIFICATE

**NAME OF CUSTOMER:**

Date: 25.08.2022

**ARASU DIAGNOSTIC CENTRE**  
**NO: 1/4, VENKATARAMAIYAR STREET,**  
**UMA COMPLEX NADIMUTHU NAGAR,**  
**PATTUKOTTAI-614602**

**DESCRIPTION OF THE EQUIPMENT: CENTRIFUGE**

**MODEL NO: NEYA-2**

**S.NO: ZFHN-28129**

**COMPANY: REMI**

**INSTRUMENT USED FOR CALIBRATION: DIGITAL TACHOMETER**

**MODEL NO:KUSAM-MECO&KM-2234BL**

**SL.NO: S1049947**

**CERTIFIED BY: MSIR INDIA PVT. LTD**

**INSTRUMENT VALIDITY: 24.08.2023**

<b>REGULATOR STEPS</b>	<b>INSTRUMENT SPEED</b>	<b>TACHOMETER READING</b>	<b>ALLOWABLE ERROR</b>	<b>ERROR OBSERVED ±</b>	<b>RESULT</b>
1.	4000	3995	±20	5	OK
3.	3500	3492	±20	8	OK
5.	2220	2208	±20	12	OK

**NEXT CALIBRATION DUE ON: 24.08.2023**

**TESTED BY: G DINESH**

APPROVED BY: 

**NOTE:** 1) Calibration Points & due date is given as per customer request 2) This certificate refer only to particular item submitted for certificate 3) The calibration results reported are valid at the time of and under the stated conditions of the measurements 4) Any error in the certificate should be brought to our lab within 45 days from the date of issue of certificate.





CC - 3237

TRACEABILITY COPY

#40, 2<sup>nd</sup> Floor, 2<sup>nd</sup> Street,  
Padmavathi Nagar, Chromepet  
Chennai, Tamil Nadu - 600 04**CALIBRATION CERTIFICATE**

MCAL/FOR/QD-12

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PRF #	: MCAL/PRF/0322120	Date of Calibration	: 4-Apr-2022
Certificate #	: MSIR/410322/120-002	Recom. Due Date	: 3-Apr-2023

**DETAILS OF USER CUSTOMER**M/S. Newton Bio Medical Service,  
27, Pradhkshanam (road), A - Plot,  
2nd Floor, Karur - 639 001.ULR # : CC323722000005226F  
Calibrated at : Lab  
Date of Receipt : 4-Apr-2022  
Cond. On Receipt : Satisfactory  
Date of Issue : 25-Apr-2022**DETAILS OF TEST / UNIT UNDER CALIBRATION**

Description	: Digital Tachometer	Identification #	: --
Range	: 5 to 999.9 RPM	Serial #	: S1049947
Cal. / Working Range	: --	Make	: KUSAM - MECO
Least Count	: 0.1 RPM	Model #	: KM - 2234BL
Location	: --	Accuracy	: As Per Manual

**DETAILS OF MASTER INSTRUMENT USED**

Description (Range)	Identification #	Valid upto (Due Date)	Traceability Certificate #
Digital Tachometer	MCAL/INS/SS-02	23-May-2022	CC-21-22-L-268/01

MFC #	: MCAL/MFC/OP-03
Details of Env.	: Temperature : 25±2°C      Relative Humidity : 40-70 % RH

**CALIBRATION RESULTS**

Parameter : Acceleration &amp; Speed

SL #	Test Readings (RPM)	Standard Readings (RPM)	Error (RPM)	Uncertainty ± (RPM)
1.	50.0	50.56	-0.56	2.25
2.	100.0	100.62	-0.62	2.25
3.	300.0	300.75	-0.75	4.10
4.	500.0	500.88	-0.88	4.10
5.	1000.0	1000.93	-0.93	4.10

**Remarks**

- The reported Expanded Uncertainty is calculated at 95.45 % C.L with coverage factor k=2.
- The reported readings are average of three readings.

Issued by :  
MCAL - Engineer
  
SANGEETHA. B
Authorised by :  
Technical Manager
  
KAMALANATHAN


\*\*\* End of Certificate \*\*\*

**MSIR INDIA PRIVATE LIMITED**  
(The Madras Science and Industrial Resources)  
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