

## CALIBRATION CERTIFICATE

**NAME OF CUSTOMER:**
**DATE:** 26.12.2022

**BEST DIAGNO LAB**

 1B "SAI GURU KRIPA "1ST FLOOR, REAR BLOCK  
 NO.47 (O.NO.11) EAST MADA STREET  
 THIRUVANMIYUR,  
 CHENNAI-600041

**DESCRIPTION OF THE EQUIPMENT: CENTRIFUGE**
**MODEL: R8C - (REMI)**
**SL.NO: 21163021098**
**INSTRUMENT USED FOR CALIBRATION: DIGITAL TACHOMETER**
**MODEL NO:KUSAM-MECO&KM-2234BL**
**SL.NO: S1049947**
**CERTIFIED BY: RELTEC CALIBRATION PVT.LTD**

<i>SL.NO.</i>	<i>DISPLAY RPM</i>	<i>TACHOMETER READING</i>	<i>ALLOWABLE ERROR</i>	<i>ERROR OBSERVED ±</i>	<i>RESULT</i>
1.	1000	1015	±100	15	OK
2.	2500	2460	±100	40	OK
3.	3000	3045	±100	45	OK
4.	4500	4475	±100	25	OK

**NEXT CALIBRATION DUE ON: 25.12.2023**
**TESTED BY: G DINESH**
**APPROVED BY: G DINESH**


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

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MCAL/FOR/QD-12

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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