



CC - 3687

**CALIBRATION CERTIFICATE**

MCAL/FOR/QD-12

Page # 1 of 1

PRF #	: MCAL/PRF/1123193	Date of Calibration	: 1-Nov-2023
Certificate #	: MSIR/411123/193-001	Recom. Due Date	: 31-Oct-2024

<b>DETAILS OF USER CUSTOMER</b>	ULR #	: CC368723000004998F
M/S. KG Clinical Laboratory	Calibrated at	: On-site
4/526,Puthanpurackal Building Theatre	Date of Receipt	: 1-Nov-2023
Junction,Anakkara,Idukki,Kerala	Cond. On Receipt	: Satisfactory
	Date of Issue	: 18-Nov-2023

<b>DETAILS OF TEST / UNIT UNDER CALIBRATION</b>			
Description	: Centrifuge	Identification #	: --
Range	: 0 to 4000 RPM	Serial #	: 1318
Cal. / Working Range	: 0 to 4000 RPM	Make	: LABTECH
Least Count	: --	Model #	: 80-2
Location	: --	Accuracy	: As Per Manual

<b>DETAILS OF MASTER INSTRUMENT USED</b>			
Description (Range)	Identification #	Valid upto (Due Date)	Traceability Certificate #
Digital Tachometer	MCAL/INS/OP-04	30-May-2024	TSC/23-24/3832-1

MFC #	: MCAL/MFC/OP-02
Details of Env.	: Temperature : 25±10°C      Relative Humidity : 60±20 % RH

<b>CALIBRATION RESULTS</b>			
<i>Parameter : Acceleration &amp; Speed</i>			
Sl. #	Test Positions	Observed Readings	Uncertainty
		RPM	± (RPM)
1.	Position-1	501.2	4.10
2.	Position-2	1003.5	7.00
3.	Position-3	2007.2	7.00
4.	Position-4	3005.1	7.00
5.	Position-5	4008.3	7.00

**Remarks**

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

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

★★★ End of Certificate ★★★

**MSIR INDIA PRIVATE LIMITED**

(Madras Science and Industrial Resources)

Phone : 044 2265 2634, +91 9789877567 | Email : calibration@msirindia.com | Web : www.msirindia.com