



AOV INTERNATIONAL LLP

(MEDICAL DEVICES CALIBRATION LABORATORY)

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AOV/7.8/QF/38

Calibration Certificate

Certificate No.: AOV/CALN/22-11/0435

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Customer Detail:			
Name and address of customer :-		M/s. ASANSOL DH PASCHIM BARDHAMAN , WEST BENGAL - 713301	
Calibration Certificate Details:			
Customer Reference Number :-			
Date of Receipt :-		Date of issue :-	
21-Nov-2022		22-Nov-2022	
Date of calibration :-		Recommended Due Date :-	
21-Nov-2022		21-Nov-2023	
Description of Device under calibration:			
Name of Instrument :-		Range :-	
Centrifuge		As per Manual	
Make / Model :-		Least Count :-	
Remi		As per Range	
Serial Number :-		Location/Department :-	
ZFFN-20022		Pathology	
Equipment ID :-		Condition of DUC :-	
4210010796		Satisfactory	
Accuracy :-		Location of calibration (At Lab/Site) :-	
---		Site	
Environmental Conditions Details:			
Temperature :-		Relative Humidity :-	
25 ± 4°C		50 ± 20 %	
Relevant Standard & Procedure Details:			
Method & Reference Calibration Procedure :-		By Using Comparison Method & AOV/CP/29	
Reference National/ International Standards :-		IS:12508	

Description of standards used for calibration:				
Name of Master Inst.	Make & Model	Serial Number	Valid Upto	Traceable To
Digital Tachometer	Fluke / 931	4792051	9-Dec-2022	CC-3171


Visual Inspection of Device Under Calibration :-	
Parameter	Remarks (Ok / Not Ok)
1) Physical Damage	Ok
2) Power Chord Check	Ok
3) Accessories, Cables, Filter, Inlet & Hoses	Ok
4) Battery Power	--
5) Alarm Function	Ok

Discipline & Group: Mechanical-Acceleration and Speed					
Calibration Results :-					
Sr. No.	Parameter	DUC Knob Set Value(M)	STD Measured Value(S)	Error (M - S)	Expanded Uncertainty (±RPM)
1)	Rotation (RPM) (Non Contact Type)	1	789.3	--	3.80
		2	1386	--	4.78
		3	2043	--	4.78
		4	2601	--	4.78
		5	3406	--	4.78

Remarks:

- 1) Equipment used for calibration were calibrated & traceable to National & International Standards.
- 2) The reported expanded uncertainty is based on a standard uncertainty multiplied by a coverage factor k=2.00, providing a level of confidence of approximately 95%. The uncertainty evaluation has been carried out in accordance with NABL requirements.
- 3) The reported uncertainty applies only to the measured values and gives no indication of the long term stability of device.
- 4) Recommended Due Date of Calibration Certificate as per Customer Request.
- 5) All Readings are average of Five Readings.
- 6) DUC stands for Device Under Calibration.

End of Certificate


CALIBRATED/CHECKED BY
 Bhagwan Singh (Calibration Engineer)




AUTHORISED SIGNATORY
 Gaurav Rajawat (Quality Manager)

NOTE:

- 1) This Calibration Certificate refers only to the particular item submitted for calibration.
- 2) This certificate shall not be reproduced except in full/part without prior permission of AOV International LLP.
- 3) The Calibration results reported in this certificate are valid at the time of an under stated condition of measurement.