



AOV INTERNATIONAL LLP

(MEDICAL DEVICES CALIBRATION LABORATORY)

Address: C-22/25, Sector-57, Noida (U.P) Ph.: +91-120-4692900/01, +91-8595945672

E-mail: info@aovinternational.net, Website: www.aovinternational.net

AOV/7.8/QF/38

Calibration Certificate

Certificate No.: AOV/CALN/22-12/0298

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Customer Detail:			
Name and address of customer :-		M/s. BISHANPUR DH BISHANPUR HD, WEST BENGAL-722122	
Calibration Certificate Details:			
Customer Reference Number :- -----			
Date of Receipt :- 17-Dec-2022		Date of issue :- 18-Dec-2022	
Date of calibration :- 17-Dec-2022		Recommended Due Date :- 17-Dec-2023	
Description of Device under calibration:			
Name of Instrument :- Centrifuge		Range :- As per Manual	
Make / Model :- Remi		Least Count :- As per Range	
Serial Number :- ---		Location/Department :- ICTC Lab	
Equipment ID :- 2050011395		Condition of DUC :- Satisfactory	
Accuracy :- ---		Location of calibration (At Lab/Site) :- Site	
Environmental Conditions Details:			
Temperature :- 25 ± 4°C		Relative Humidity :- 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	8-Dec-2023	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

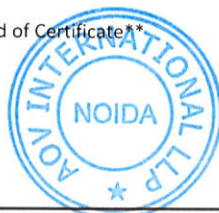
Discipline & Group: Mechanical-Acceleration and Speed					
Calibration Results :-					
Sr. No.	Parameter	DUC Knob Set Value(M)	STD Measured Value(S)	Error (M - S)	Expended Uncertainty (±RPM)
1)	Rotation (RPM) (Non Contact Type)	1	786.6	--	3.80
		2	1458	--	4.78
		3	2132	--	4.78
		4	2786	--	4.78
		5	3356	--	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.



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Calibration Certificate

Certificate No.: AOV/CALN/22-12/0299

PAGE 1 OF 1

Customer Detail:	
Name and address of customer :-	M/s. BISHANPUR DH BISHANPUR HD, WEST BENGAL-722122
Calibration Certificate Details:	
Customer Reference Number :-	-----
Date of Receipt :-	17-Dec-2022
Date of issue :-	18-Dec-2022
Date of calibration :-	17-Dec-2022
Recommended Due Date :-	17-Dec-2023
Description of Device under calibration:	
Name of Instrument :-	Digital Rotary Shaker
Range :-	50-400 RPM
Make / Model :-	Remi/RS-12 plus
Least Count :-	1 RPM
Serial Number :-	ZDAS-02188
Location/Department :-	ICTC LAB
Equipment ID :-	2050011394
Condition of DUC :-	Satisfactory
Accuracy :-	---
Location of calibration (At Lab/Site) :-	Site
Environmental Conditions Details:	
Temperature :-	25 ± 4°C
Relative Humidity :-	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	8-Dec-2023	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	--

Discipline & Group: Mechanical-Acceleration and Speed					
Calibration Results :-					
Sr. No.	Parameter	DUC Set Value(M)	STD Measured Value(S)	Error (M - S)	Expanded Uncertainty (±RPM)
1)	Rotation (RPM) (Contact Type)	100	99.6	0.4	3.80
		150	149.2	0.8	3.80
		300	298.1	1.9	3.80
		400	396.5	3.5	3.80

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)

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