AOV INTERNATIONAL LLP

(MEDICAL DEVICES CALIBRATION LABORATORY)

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CC-3244

AOV/7.8/QF/38

Calibration Certificate

Certificate No.: AOV/CAL/23-01/0036
ULR No. CC324423000000036F

Customer Detail:		
Name and address of customer	:-	**M/s. WEST MIDNAPORE MEDICAL COLLEGE** PASCHIM MEDINIPUR, WEST BENGAL - 721101

Calibration Certificate Details:			
Customer Reference Number :-	-----		
Date of Receipt :-	19-Jan-2023	Date of issue :-	20-Jan-2023
Date of calibration :-	19-Jan-2023	Recommended Due Date :-	19-Jan-2024

Description of Device under calibration:			
Name of Instrument :-	Digital Rotary Shaker	Range :-	80-180 RPM
Make / Model :-	Remi / RS-12 R	Least Count :-	1 RPM
Serial Number :-	ZGCS-08155	Location/Department :-	ICTC Lab
Equipment ID :-	1220012511	Condition of DUC :-	Satisfactory
Accuracy :-	---	Location of calibration (At Lab/Site) :-	Site

Environmental Conditions Details:			
Temperature :-	25 ± 4°C	Relative Humidity :-	50 ± 20 %

Revelant Standard & Procedure Details:		
Method & Reference Calibration Procedure	:-	By Using Comparision 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	#REF!	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)	Expended Uncertainty (±RPM)
1)	Rotation (RPM) (Contact Type)	100	100.3	-0.3	3.80
		120	120.6	-0.6	3.80
		140	141.1	-1.1	3.80
		160	161.2	-1.2	3.80
		180	181.9	-1.9	3.80

Remarks:

1) Equiment 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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