

				<b>ELECTRO METER CORPORATION</b> <b>P- 5, C.I.T ROAD,</b> <b>KOLKATA - 700014</b>		Form No: FM/22 Issue No. 10 and Issue Date: 31-12-2022 <b>CALIBRATION CERTIFICATE OF:</b>  <b>CENTRIFUGE</b>	
CALIBRATION CERTIFICATE NO.:		EMC2024-KOL-00036409		ULR NO.:		CC214724000030945F	
1.0 ISSUED TO:		<b>MKAS HEALTH CARE PVT. LTD.</b> <b>SANJAY HEIGHTS (2ND FLOOR)</b> <b>GADGADIA SQ. NEAR EM. COLLEGE</b> <b>PIN - 756003</b> <b>ODISHA, INDIA</b>					
1.1 Service Request / Order No.:		45512-S-1					
Description identification of item to be calibrated:							
1.2		i Name:	CENTRIFUGE		ii Code No.:	MKAS/CF/02	
		iii Sl. No.:	-		iv Make:	REMI	
		v Model / Type No.:	-		vi Range:	As per calibration result	
		vii Sensor:	--		viii Resolution:	-	
		ix Location:	LAB		x Cal. performed:	On site	
1.3		Applicable specification of item to be calibrated: Accuracy / permissible limit:				Not Specified	
1.4		Date of receipt of item:	7-Aug-2024		1.5	Date of calibration:	7-Aug-2024
1.6		Recommended date for next calibration:	7-Aug-2025		1.7	Report Issue Date:	9-Aug-2024
1.8(a)		Environmental condition during calibration	Temperature: 25.9 °C		Humidity: 57.8 % RH		
1.8(b)		Recommended Environmental condition	Temperature: 25°C ± 10°C		Humidity: 50% RH ± 20% RH		
1.9		Basis of calibration:	S.O.P Number		S.O.P/DIME/04		
2.0 Standard Equipment Used for Calibration are Traceable to National/International Standards through ISO/IEC: 17025 Accredited Laboratory.							
Sl. No.	Name of the standard instrument used (Sl. No./Code Nos.)	Range	Resolution	Recommended date for next calibration	Certificate Nos.		
1	Digital Tachometer Make: Electronic Automation, Model DT-2001-B, Sl. No. 099097, Code No. EMC/DT-400	1 rpm to 99999 rpm	0.1 rpm upto 5999.9 rpm & 1 rpm above 5999.9 rpm	25-03-2025	EMC2024-KOL-00023720		
<b>Discipline: Mechanical</b>		<b>Group: Acceleration and Speed</b>					
<b>CALIBRATION RESULT</b>							
Parameter / Range	Knob Set Position	Standard Value (rpm)	Error (rpm)	Expanded Uncertainty (%)	k factor		
<b>Rotation cal upto</b> 3526 rpm (As per standard value)	1st Position	2504.5	-	1.16	2.00		
	2nd Position	2782.3	-	1.16	2.00		
	3rd Position	2815.2	-	1.16	2.00		
	4th Position	2945.5	-	1.16	2.00		
	5th Position	3525.8	-	1.16	2.00		
Note: i) Average of 5 readings had been taken in DUC/STD.							
ii) The calibration certificate is issued by Electro Meter Corporation refers only for the particular item submitted to calibrate.							
iii) Entire certificate should be produced for all purposes. Partial production of an extract of the certificate needs approval from the technical or the quality manager of the lab.							
iv) The results in the calibration certificate are valid at the time and the stated conditions on measurement.							
v) The calibration result is only to be used for scientific & industrial purpose and not for commercial purpose.							
<b>Measurement uncertainty at approx 95 % of confidence level &amp; at a coverage factor : As Per Calibration Result</b>							
Remarks:		NA					
DUC- Device Under Calibration		ES.-Full Scale		Physical status of the DUC: OK			
<b>Calibrated By:</b>  <b>Soumyo Kanti Kundu</b> <b>Calibration Engineer</b>				<b>Approved By:</b>  <b>Saptarshi Das</b> <b>Technical Manager</b>			
<b>END OF CERTIFICATE</b>							