



Certificate No.:
CC - 2147



ELECTRO METER CORPORATION
P- 5, C.I.T ROAD,
KOLKATA - 700014

Form No.: FM/22

**CALIBRATION CERTIFICATE OF:
CENTRIFUGE**

CALIBRATION CERTIFICATE NO.: EMC2021-KOL-00033351 ULR NO.: CC214721000026530F Page: 1/1

1.0	ISSUED TO:	BIOCHEMISTRY DIAGNOSTIC LABORATORY GOVT. MEDICAL COLLEGE SRINAGAR AND ASSOCIATED SMHS HOSPITAL, (F- BLOCK) KARAN NAGAR, SRINAGAR, J&K- 190010				
1.1	Service Request / Order No.:	-				
1.2	Description identification of item to be calibrated:					
	i	Name:	CENTRIFUGE	ii	Code No.:	CF-01
	iii	Sl. No.:	-	iv	Make:	Remi
	v	Model / Type No.:	R-8C BL	vi	Range:	Cal upto 5879.6 rpm (As Per Std. Value)
	vii	Sensor:	-	viii	Resolution:	100 rpm
	ix	Location:	SEPARATION ROOM (ROOM NO. 305)			
1.3	Applicable specification of item to be calibrated: Accuracy / permissible limit:				Not Specified	
1.4	Date of receipt of item:	20-Aug-2021	1.5	Date of calibration:	20-Aug-2021	
1.6	Recommended date for next calibration:	20-Aug-2022	1.7	Frequency of calibration:	12 months	
1.8	Environmental condition during calibration	Temperature:	25°C ± 10°C			
		Humidity:	50% RH ± 20% RH			
1.9	Basis of calibration:	S.O.P Number	S.O.P/ET/29			
		Standard Followed	-			
		Description of Method	Using Digital Tachometer by Comparison Method.			
2.0	Traceability : Standards 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	Traceable to / Certificate Nos.
1	Digital Tachometer, Make: Metravi, Model No. NCTM 2000, Sl. No. 171103423, Code No. EMC/DT/829	1 rpm to 99999 rpm	0.1 rpm upto 9999.9 rpm & 1 rpm above 9999.9 rpm	13-03-2022	IDEMI (Mumbai) / CC/ECL/1632/20-21

CALIBRATION RESULT

Parameter / Range	Nominal Value on DUC (rpm)	Standard Value (rpm)	Error (rpm)	Expanded Uncertainty (±) (rpm)	k factor
Rotation Cal upto 5879.6 rpm (As Per Std. Value)	1000	996.3	3.7	5.88	2.00
	2000	1992.7	7.3	5.88	2.00
	3000	2991.2	8.8	5.90	2.00
	4000	3987.8	12.2	6.80	2.00
	5900	5879.6	20.4	30.57	2.00

Note: i) Average of 5 readings had been taken in DUC/STD.

ii) The calibration certificate is issued by Electro Meter Corporation. This certificate refers only for the particular item submitted to calibrate.

iii) The certificate if produced for any purpose commercial or otherwise, should be reproduced in full. Partial production of the certificate or an abstract thereof has to be got specifically approved from the technical and the quality manager of this lab.

iv) The results in the calibration certificate are valid at the time of and under the stated conditions on measurement.

v) The calibration result is only to be used for scientific & industrial purpose. This result can not be used for commercial purpose.

Measurement uncertainty at approx 95 % of confidence level & at a coverage factor : As Per Calibration Result

Remarks: Statement of conformity not mentioned.

DUC- Device Under Calibration F.S.-Full Scale Physical status of the DUC: OK

Calibrated by: Kuwar Aman Singh

Date : 20-08-2021

Report Issue Date : 25-08-2021

Technical Assistant
Electro Meter Corporation

Checked & Approved by: Saptarshi Das

Date : 25-08-2021

S. Das
Technical Manager
Electro Meter Corporation

END OF CERTIFICATE