



ELECTRO METER CORPORATION  
PLOT NO - 1294 (P), 2ND FLOOR, CRP SQUARE,  
P.O / PS - NAYAPALLI,  
BHUBANESWAR - 751012

Form No.: FM/47A  
Issue No: 2 and Issue Date: 31.12.2022

CALIBRATION CERTIFICATE OF:  
HAEMATOLOGY ANALYZER

CALIBRATION CERTIFICATE NO: EMC2023-ODI-00006564 Page: 1/1

1.0 ISSUED TO: SAMAL CARE PVT. LTD.  
AT/PO- BANARPAL,  
DIST.- ANGUL, ODISHA - 759128

1.1 Service Request / Order No.: SCPL/2023-24/029

Description identification of item to be calibrated:	
i Name:	HAEMATOLOGY ANALYZER
ii Code No.:	--
iii Sl. No.:	500820-000147
iv Make:	--
v Model / Type No.:	Misp Count
vi Range:	As per calibration result
vii Sensor:	--
viii Resolution:	As per calibration result
ix Location:	LAB
x Cal performed:	On Site / At Lab

1.3 Applicable specification of item to be calibrated: Accuracy / permissible limit: Not Specified

1.4 Date of receipt of item: 8-Jul-2023 1.5 Date of calibration: 8-Jul-2023

1.6 Recommended date for next calibration: 8-Jul-2024 1.7 Report issue date: 21-Jul-2023

1.8a) Environmental condition during calibration  
Temperature: 24.2 °C  
Humidity: 55.1 % RH

1.8b) Recommended Environmental condition  
Temperature: 25°C ± 10°C  
Humidity: 50% RH ± 20% RH

1.9 Basis of calibration: S.O.P Number SOP/BIOM/07

2.0 Standard Equipment Used for Calibration are Traceable to National/International Standards through ISO/IEC: 17025:2017 Accredited Laboratory.

Sl. No.	Name of the standard instrument used (Sl. No./Code Nos.)	Range	Resolution	Recommended date for next calibration	Certificate Nos.
1	Electrical Safety Analyzer, Make: Fluke, Model No: 615, Sl. No: 4492016, Code No. EMC(OR) /ESA/060	As Per Calibration Result	As Per Calibration Result	23-09-2023	EMC2022-KOL-00044219

CALIBRATION RESULT

Parameter / Range	DUC value	DUC unit	STD value	STD unit	Error	Unit	Uncertainty at 95% CL & k factor =	
Supply voltage	-	-	232.8	V	-	-	2.00	is ± 2.50 %
Earth resistance	-	-	0.13	ohm	-	-	2.00	is ± 3.20 %
Equipment AC current	-	-	1.7	A	-	-	2.00	is ± 7.00 %
Insulation resistance	-	-	Overload	-	-	-	2.00	is ± 9.00 %
Leakage current - equipment	-	-	2.6	uA	-	-	2.00	is ± 2.80 %

Note

- i) The calibration certificate is issued by Electro Meter Corporation refers only for the particular item submitted to calibrate.
- ii) 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.
- iii) The results in the calibration certificate are valid at the time of and the stated conditions of measurement.
- iv) The calibration result is only to be used for scientific & industrial purpose and not for commercial purpose.
- v) Safety calibration has been performed.

Remarks: NA

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

Calibrated By:

Zeeshan Ahmed  
Calibration Engineer



Approved By:

Subhojit Ghosh  
Calibration Engineer

END OF CERTIFICATE

 CC - 2147		<b>ELECTRO METER CORPORATION</b> P- 5, C.I.T ROAD, KOLKATA - 700014	Form No: FM/22 Issue No. 10 and Issue Date: 31-12-2022  <b>CALIBRATION CERTIFICATE OF:</b> <b>BLOOD ROLLER</b>
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CALIBRATION CERTIFICATE NO.: EMC2023-KOL-00037797	ULR NO.: CC214723000029519F	Page: 1/1
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1.0 ISSUED TO:	SAMAL CARE PVT. LTD. AT/PO- BANARPAL, DIST.- ANGUL, ODISHA - 759128
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1.1 Service Request / Order No.:	5CPL/2023-24/029
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Description identification of item to be calibrated:			
i	Name:	BLOOD ROLLER	ii
iii	Sl. No.:	--	iv
v	Model / Type No.:	--	vi
vii	Sensor:	--	viii
ix	Location	Pathology	x
		Code No.:	SCPL/PATH/BR-02
		Make:	Unilab
		Range:	As Per Calibration Result
		Resolution:	1 rpm
		Cal. performed:	On Site / At Lab

1.3 Applicable specification of item to be calibrated: Accuracy / permissible limit:		Not Specified
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1.4 Date of receipt of item:	B-Jul-2023	1.5 Date of calibration:	B-Jul-2023
1.6 Recommended date for next calibration:	8-Jul-2024	1.7 Report issue date:	21-July-2023

1.8(a) Environmental condition during calibration	Temperature:	24.9 °C
	Humidity:	57.2 % 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
	Standard Followed	TR 45-01
	Description of Method	Using Digital Tachometer by Comparison Method.

2.0 Standard Equipment Used for Calibration are Traceable to National/International Standards through ISO/IEC: 17025:2017 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: Metravi, Model No. NCTM-1000, Sl. No. 11109329, Code No. EMC/DT/597	5 rpm to 99999 rpm	0.1 rpm upto 999.9 rpm & 1 rpm above 999.9 rpm	01-10-2023	EMC2022-KOL-00044552

Discipline: Mechanical Group: Acceleration and Speed

CALIBRATION RESULT					
Parameter / Range	Nominal Value on DUC (rpm)	Standard Value (rpm)	Error (rpm)	Expanded Uncertainty (±) (rpm)	k factor
Rotation Cal at 30 rpm	30	29.5	0.5	4.7	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.

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

Remarks:	NA
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DUC- Device Under Calibration	F.S.-Full Scale	Physical status of the DUC: OK
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Calibrated By:    Zeeshan Ahmed Calibration Engineer		Approved By:    Saptarshi Das Technical Manager
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END OF CERTIFICATE