

COTEX LAXMI HEALTHCARE PVT. LTD.

02-05-2023

Sawangi Meghe ,Wardha-442001

CALIBRATION CERTIFICATE

	CALIDIA	HON CERT	IFICALE	
1.Customer				
Name and Add	ress of Customer:	Procedure No.	CLH/CAL/20/TI/SOP/12	
SHALINIT	AI MEGHE HOSPITAL AND RESEARCH	Date of Calibration:	21-04-2022	
CENTER,WANADONGARI HINGNA,NAGPUR,441110		Due Date of Calibration	20-04-2023	
		Location of Calibration	ON SITE	
Ambient Temp.	(25±2)°c	Equipment Status	ОК	
RH:	45 %RH to 75 %RH			
2.Description of	of item			
Name:	LABORATORY CENTRIFUGE	Department	BIOCHEMISTRY LAB	
Make:	REMI	Location:	BIOCHEMISTRY LAB	
Model:	NA .	Asset No.:	3104	
Sr.no.	NA	Range:	3500RPM	
Type:	DIGITAL	Calibration Certificate no.:	CLH/CAL/SMHRC/CCL/CENT/01	
3.Equipment us	sed for Calibration (Master)		1965.	
Name:	Electrical Safety Analyzer	Name:	Digital thermohygrometer	
Make/ Model:	FlukeBiomedical/ESA612	Make/ Model:	LUTRON/TM-902C	
Sr.No.	5188505	Sr.No.	NA .	
Certificate no.	M-220224-2-1	Certificate no.	ACS/126/CM/106/2100004	

The Masters are traceable to National/International Standards.

26-02-2023

4. ELECTRICAL SAFETY

4.(1) Visual Test Inspection

SR.NO.	TEST	REMARK
1	Device clean and Decontaminated	OK
2	Physical Damange	ОК
3	Power Cord, Cable checking	ОК
4	Mains Socket Checking	OK
5	Alarm function	ОК
6	Equipment type(B,BF,CF)	В
7	Equipment class(I.II,III)	

Validity

B-Body Type, BF-Body Float Type, CF-Cardiac Float Type.

I-Properly Earthed, II-Double Insulated, III-With Extra Safety Low Voltage.

4.(2) Electrical Safety Test

SR.NO.	PARAMETERS	DESIRED VALUE	MEASURED VALUE	REMARK
1	Voltage between live to neutral (V In)	220-240 V	229.8 V	ОК
2	Voltage between live to earth (V le)	220-240 V	228.9 V	ок
3	Voltage between neutral to earth (V In)	0-5 V	0.3 V	ОК
4	Load Current (la)	0-10 A	1.2A	ОК
5	Earth Leakage Current (IL)	0-500 μΑ	90.5 μΑ	ОК
6	Enclosure Current	0-10 μΑ	0.5 μΑ	ок
7	Patient Leackage Current (PL)	BF 0-100 μA,CF 0-10μA	0.3 μΑ	ОК
8	Ground Wire Resistance	0Ω -3Ω	1Ω	ОК

Performance Test				
SR.NO.	CALIBRATION POINT °c	STANDERED READING °c	UUC READINGS ©c	ERROR IN °c
- 1	1000	999	1000	1
2	2000	1999	2000	I
3	3000	2997	3000	3
4	3500	3500	3500	0

Remark

1. The equipment is functioning with in the normal limits.

Note

- 1) Prior to the calibration of this electrical safety parameters such as ground wire resistance, chassis Leakage, Patient Leakage Current, Patient Leakage Current Isolation Test(mains on applied part), Insulation(optional) 500 V etc. verified as per IEC-63601/62353 and found within limits.
- 2) The standards used for calibration were calibrated by using reference standard traceable to National/International standard & Calibration Points were selected as per customers Specification.
- 3) The reported uncertainty is expanded uncertainty in measurement obtained by multipying the courage factor
- k=2, which corresponds to courage probability of approximately factor k=2, which corresponds to courage probability of approximately 95% for normal distribution.
- 4) The certificate refers only to the particular item submitted for calibration. UUC stand for normal distribution.
- 5) The calibration results reported in the certificate are valid at the time for and under the stated condition of measurement.
- 6) Calibration point were selected as per customer specification and calibration report traceble to national or international standard
- 7) This certificate shall not be reproduced, except infull unless written permission for the publication of an approved abstract

has been obtained from the Technical manager of COTEX LAXMI HEALTHCARE PVT. LTD. WARDHA.

Calibrated By

WAPTE ALLOS

Approved by

Calibration Engineer

Technical Manager

National Accreditation Board for Testing and Calibration Laboratories

Doe No.:39 Specific Criteria for calibration of Medical Devices

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