

CALIBRATION CERTIFICATE

ULR NO: CC342423000000001	Page No: 01 of 01
CERTIFICATE NO: TICS/23/01/001	Date of Issue : 9-Jan-2023
Customer Name & Address	Environmental Conditions Details
M/s.KAMALA SPECIALITY HOSPITAL PRIVATE LIMITED , KOVILPATTI,TAMIL NADU-628502.	Temperature (° C) : 26.9 Relative Humidity (%) : 60

Details of Device Under Calibration (DUC)			
Description	: Centrifuge	Location	: —
Make	: REMI	Receipt Date	: 9-Jan-2023
Model	: 8C	Calibration Date	: 9-Jan-2023
Range	: 0 to 5000RPM	Recommended Next Due	: 8-Jan-2024
Least Count	: 1RPM	DUC Condition	: Good
SI.No	: IGLC-11998	Accuracy (±)	: —
ID.No	: —		

Description	Make	Model	Traceability & Validity
DIGITAL TACHOMETER	KUSAM MECO	KM-2234BL	MNP0789-01/22-23- &02-08-23

Calibration Procedure Details		Location Of Calibration	
Calibration Procedure No	: TICS-CP-MD-15	Calibrated at	: SITE

CALIBRATION RESULTS

S.No.	DEVICE UNDER CALIBRATION READINGS	STANDARD INSTRUMENTS READINGS	DEVIATION	Expanded Uncertainty (±)
	RPM	RPM	RPM	RPM
1	1000	1002	-2.0	1.11
2	1500	1502	-2.0	1.66
3	2500	2504	-4	3.16
4	3000	3005	-5	4.07
5	4000	4008	-8	4.50
6	5000	5009	-9	4.96

REMARKS

- 1.The user should determine the suitability of the instrument for its intended use.
- 2.The recalibration interval should be determined on the user requirement.
- 3.The results stated in this certificate relate only to the item calibrated.
- 4.The indicated uncertainties are expanded uncertainty estimated for a confidence level of approximately 95% for a coverage factor k=2.00 .

Calibrated By : *Mandramonthy*

Calibration Engineer : *MANDRAMONTHY*

Authorised Signatory : *S.Sushil Babu*

Technical Manager : S.Sushil Babu



CALIBRATION / TESTING REPORT

CUSTOMER DETAILS: KAMALA SPECIALITY HOSPITAL PRIVATE LIMITED, KOVILPATTI, TAMIL NADU		CERTIFICATE NO	TICS/23/01/002
		EQUIPMENT NAME	MICROSCOPE
		MANUFACTURE MODEL	ADELTA OPTEC
		SERIAL NO	NA
CALIBRATION DATE	09/01/2023	INSTALLED DEPARTMENT	LAB
CALIBRATION DUE DATE	08/01/2024	ASSET NUMBER	KSH-LAB-001
LOCATION OF CALIBRATION	SITE		

- 1. General maintenance required Yes No
- 2. Any Physical damage observed Yes No
- 3. Spare Replacement (if required) Yes No

TEST EQUIPMENT	MANUFACTURE	SERIAL NUMBER	CERTIFICATE NUMBER/VALIDITY
ELECTRICAL SAFTY ANALYZER	DATREND	VPM 18040011	ACCS221441/28-07-2023

*The above mentioned instrument has been tested using standards manufactures recommended protocols, using equipments having traceability to National/International standards.

ACCEPTABLE FOR USE
 CORRECTIVE MAINTENANCE REQUIRED
 REMOVED FROM USE

Calibrated By : AA
Mandruamorthy

Authorized Sign With Seal

S. Subash
S. SRAIL BABU


*Electrical safety test result attached

CERTIFICATE NO: TICS/23/01/002

TESTING REPORT			
TEST EQUIPMENT	MANUFACTURE	MODEL	SERIAL NUMBER
ELECTRICAL SAFTY ANALYZER	DATREND	V Pad-mini	VPM 18040011

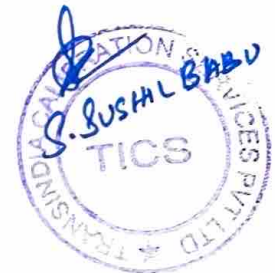
TEST REPORT –Electrical Safety

Test Standard: IEC 62353

Parameter	Units	Value	Limits	Status
Main Voltage L1-L2	V	233.4	240±10	PASS
Main Voltage L1-G(PE)	V	234.0	240±10	PASS
Main Voltage L2-G(PE)	V	3.2	<5	PASS
Load Current	A	2.23	As per unit	PASS
Protective Earth Resistance	Ω	0	<0.3	PASS
Point-to-Point Resistance	Ω	0	<0.5	PASS
Equipment Leakage	μA	2.6	Class I - < 500 Class II - < 100	PASS
Applied Part Leakage	μA	0	Type BF - < 5mA Type CF- <50μA*	PASS

* Note: Defibrillator paddles 100 μA, per IEC 60601-2-4

The above mentioned instrument has been tested using standards manufactures recommended protocols, using equipments having traceability to National/International standards.

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CALIBRATION / TESTING REPORT


CUSTOMER DETAILS: KAMALA SPECIALITY HOSPITAL PRIVATE LIMITED, KOVILPATTI,TAMIL NADU		CERTIFICATE NO	TICS/23/01/003
		EQUIPMENT NAME	SEMI AUTO ANALYSER
		MANUFACTURE	ERBA
		MODEL	CHEM 7
CALIBRATION DATE	09/01/2023	SERIAL NO	81201
CALIBRATION DUE DATE	08/01/2024	INSTALLED DEPARTMENT	LAB
LOCATION OF CALIBRATION	SITE	ASSET NUMBER	KSH-LAB-002

- 1. General maintenance required Yes No
- 2. Any Physical damage observed Yes No
- 3. Spare Replacement (if required) Yes No

TEST EQUIPMENT	MANUFACTURE	SERIAL NUMBER	CERTIFICATE NUMBER/VALIDITY
ELECTRICAL SAFTY ANALYZER	DATREND	VPM 18040011	ACCS221441/28-07-2023

*The above mentioned instrument has been tested using standards manufactures recommended protocols, using equipments having traceability to National/International standards.

ACCEPTABLE FOR USE CORRECTIVE MAINTENANCE REQUIRED REMOVED FROM USE

Calibrated By : 

Authorized Sign With Seal



*Electrical safety test result attached

CERTIFICATE NO: TICS/23/01/003

TESTING REPORT			
TEST EQUIPMENT	MANUFACTURE	MODEL	SERIAL NUMBER
ELECTRICAL SAFTY ANALYZER	DATREND	V Pad-mini	VPM 18040011

TEST REPORT –Electrical Safety

Test Standard: IEC 62353

Parameter	Units	Value	Limits	Status
Main Voltage L1-L2	V	233.3	240±10	PASS
Main Voltage L1-G(PE)	V	234.1	240±10	PASS
Main Voltage L2-G(PE)	V	3.1	<5	PASS
Load Current	A	2.13	As per unit	PASS
Protective Earth Resistance	Ω	0	<0.3	PASS
Point-to-Point Resistance	Ω	0	<0.5	PASS
Equipment Leakage	μA	2.3	Class I - < 500 Class II - < 100	PASS
Applied Part Leakage	μA	0	Type BF - < 5mA Type CF- <50μA*	PASS

* Note: Defibrillator paddles 100 μA, per IEC 60601-2-4

The above mentioned instrument has been tested using standards manufactures recommended protocols, using equipments having traceability to National/International standards.

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