

**CERTIFICATE OF CALIBRATION**

Customer Name	MODERN DIAGNOSTICS	Certificate No.	MDC01
Customer Address	NSS BUILDING, PUTHENVELIKKARA KERALA-683513	Date of Calibration	07/12/2023
		Valid Upto	06/12/2024
		Date of Issue	08/12/2023

DUC* Details			
DUC* Name	CENTRIFUGE	S No.	LS171AE0000048
Make/Model No.	DLAB/DM0412S	Location	LAB
ID No.	NA	Visual Inspection	OK

Details of Reference Standards & Major Equipments Used		
Equipment Name	DIGITAL TACHO METER	THERMO HYGROMETER
Make	METRAVI	HTC-2
Model/SR No.	NCTM 1000/190518478	...
Equipment Id	CHPL/MT-KL/TAM/002	
Calibration certificate No	UCSL/07-23/202_05	UCSL/07-23/202_03
Calibration Validity	20/07/2024	20/07/2024
Calibration By	UNIQUE CALIBRATIONS	UNIQUE CALIBRATION SOLUTIONS

Environmental Condition			
Temperature	27°C	Relative Humidity	54%

Calibration Results				
SL NO	SET READING (RPM)	MEASURED READING (RPM)	TOLERANCE	STATUS
1	500	506	±5%	PASS
2	1000	1016	±5%	PASS
3	2500	2513	±5%	PASS

<b>CALIBRATION STATUS</b>	PASS	✓	FAIL	
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REMARKS:- \*DUC- DEVICE UNDER CALIBRATION

- ❖ This result of calibration refers to only to the particular items submitted for calibration.
- ❖ The above result is valid at the time of and under the stated conditions measurement.
- ❖ Calibration certificate issued for weight & measure parameters like mass, weighting balance, volumetric equipment, measuring scales/tapes etc. Are scientific purpose only and should not used for commercial.

Calibrated By

ACHUTH P K



Issued and Approved By

PREJITH T B  
TECHNICAL MANAGER

**CERTIFICATE OF CALIBRATION**

Customer Name	<b>MODERN DIAGNOSTICS</b>	Certificate No.	MDC01
Address	<b>NSS BUILDING,PUTHENVELIKKARA KERALA-683513</b>	Date of Calibration	07/12/2023
		Valid Upto	06/12/2024
		Date of Issue	08/12/2023

DUC* Details					
DUC* Name	Make/Model No	S No.	ASSET ID	LOCATION	Visual Inspection
CENTRIFUGE	DLAB/DM0412S	LS171AE0000048	NA	LAB	OK

Details of Reference Standards & Major Equipments Used		
Equipment Name	<b>ELECTRICAL SAFETY ANALYZER</b>	<b>THERMO HYGROMETER</b>
Make	<b>FLUKE</b>	<b>HTC-2</b>
Model/SR No.	<b>ESA 612/2959012</b>	...
Equipment Id	<b>CHPL/MT-KL/ESA/002</b>	
Calibration certificate No	<b>ET/230117A/01</b>	<b>UCSL/07-23/202_03</b>
Calibration Validity	<b>23/01/2024</b>	<b>20/07/2024</b>
Calibration By	<b>STIC</b>	<b>UNIQUE CALIBRATION SOLUTIONS</b>

\*\*STANDARD USED IS IEC 60601-1

**ELECTRICAL SAFETY TEST VALUES**

TEST NO.	NAME OF THE TEST	READING	HIGH LIMIT	LOW LIMIT	UNIT	STATUS
1	MAIN VOLTAGE -LIVE TO NEUTRAL	229	250	225	V	PASS
2	MAIN VOLTAGE -LIVE TO EARTH	228	240	220	V	PASS
3	MAIN VOLTAGE-NEUTRAL TO EARTH	0.3	3	0	V	PASS
4	EQUIPMENT CURRENT	0.4	16	0.1	mA	PASS
5	PROTECTIVE EARTH RESISTANCE	0.4	2	0	Ω	PASS
6	EARTH LEAKAGE CURRENT - NC	0.7	1	0.5	mA	PASS
7	EARTH LEAKAGE CURRENT - OC	0.6	1	0.5	mA	PASS
8	ENCLOSURE LEAKAGE CURRENT -NC	0.3	0.5	0.1	mA	PASS
9	ENCLOSURE LEAKAGE CURRENT -OC	0.2	0.5	0.1	mA	PASS
10	INSULATION RESITANCE					
	1.MAINS-PROTECTIVE EARTH	OL	100	0	MΩ	PASS
	2.APPLIED PART TO PROTECTIVE EARTH	NA	100	0	MΩ	PASS
	3.MAINS TO APPLIED PART	NA	100	0	MΩ	PASS
	4.MAINS TO NEUTRAL	OL	100	0	MΩ	PASS
	5.APPLIED PART TO NEUTRAL	NA	100	0	MΩ	PASS

\*NOTE ( NC -NORMAL CONDITION, OC-OPEN CONDTION). REMARKS- \*DUC- DEVICE UNDER CALIBRATION

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**ISSUED AND APPROVED BY**  
PREJITH T B  
TECHNICAL MANAGER

**CERTIFICATE OF CALIBRATION**

Customer Name	MODERN DIAGNOSTICS	Certificate No.	MDC02
Customer Address	NSS BUILDING, PUTHENVELIKKARA KERALA-683513	Date of Calibration	07/12/2023
		Valid Upto	06/12/2024
		Date of Issue	08/12/2023

DUC* Details			
DUC* Name	CENTRIFUGE	S No.	29154
Make/Model No.	KEMI/CS6	Location	LAB
ID No.	NA	Visual Inspection	OK

Details of Reference Standards & Major Equipments Used		
Equipment Name	DIGITAL TACHO METER	THERMO HYGROMETER
Make	METRAVI	HTC-2
Model/SR No.	NCTM 1000/190518478	...
Equipment Id	CHPL/MT-KL/TAM/002	
Calibration certificate No	UCSL/07-23/202_05	UCSL/07-23/202_03
Calibration Validity	20/07/2024	20/07/2024
Calibration By	UNIQUE CALIBRATIONS	UNIQUE CALIBRATION SOLUTIONS

Environmental Condition			
Temperature	27°C	Relative Humidity	54%

Calibration Results				
SL NO	SET READING (RPM)	MEASURED READING (RPM)	TOLERANCE	STATUS
1	500	507	±5%	PASS
2	1000	1012	±5%	PASS
3	2500	2518	±5%	PASS

<b>CALIBRATION STATUS</b>	PASS	✓	FAIL	
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		Date of Issue	08/12/2023

DUC* Details					
DUC* Name	Make/Model No	S No.	ASSET ID	LOCATION	Visual Inspection
CENTRIFUGE	KEMI/CS6	29154	NA	LAB	OK

Details of Reference Standards & Major Equipments Used		
Equipment Name	<b>ELECTRICAL SAFETY ANALYZER</b>	<b>THERMO HYGROMETER</b>
Make	<b>FLUKE</b>	<b>HTC-2</b>
Model/SR No.	<b>ESA 612/2959012</b>	...
Equipment Id	<b>CHPL/MT-KL/ESA/002</b>	
Calibration certificate No	<b>ET/230117A/01</b>	<b>UCSL/07-23/202_03</b>
Calibration Validity	<b>23/01/2024</b>	<b>20/07/2024</b>
Calibration By	<b>STIC</b>	<b>UNIQUE CALIBRATION SOLUTIONS</b>

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	3.MAINS TO APPLIED PART	NA	100	0	MΩ	PASS
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	5.APPLIED PART TO NEUTRAL	NA	100	0	MΩ	PASS

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