

CERTIFICATE OF CALIBRATION

Customer Name	SP WELL FORT HOSPITAL	Certificate No.	SPW001
Customer Address	THIRUVANANTHAPURAM KERALA-695010	Date of Calibration	03/02/2024
		Valid Upto	02/02/2025
		Date of Issue	04/02/2024

DUC* Details			
DUC* Name	CENTRIFUGE	S No.	19491
Make/Model No.	ROTEK PLUS/P8E	Location	LABORATORY
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

CALIBRATION STATUS	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.
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- ❖ 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 B
TECHNICAL MANAGER

CERTIFICATE OF CALIBRATION

Customer Name	SP WELL FORT HOSPITAL	Certificate No.	SPW001
Address	THIRUVANANTHAPURAM KERALA-695010	Date of Calibration	03/02/2024
		Valid Upto	02/02/2025
		Date of Issue	04/02/2024

DUC* Details					
DUC* Name	Make/Model No	S No.	ASSET ID	LOCATION	Visual Inspection
CENTRIFUGE	ROTEK PLUS/P8E	19491	NA	LABORATORY	OK

Details of Reference Standards & Major Equipments Used		
Equipment Name	ELECTRICAL SAFETY ANALYZER	THERMO HYGROMETER
Make	FLUKE	HTC-2
Model/SR No.	ESA 612/2959012	...
Equipment Id	CHPL/MT-KL/ESA/002	
Calibration certificate No	ET/240123C/01	UCSL/07-23/202_03
Calibration Validity	23/01/2025	20/07/2024
Calibration By	STIC	UNIQUE CALIBRATION SOLUTIONS

**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

CALIBRATED BY

ACHUTH P



ISSUED AND APPROVED BY

PREJITH B
TECHNICAL MANAGER

CERTIFICATE OF CALIBRATION

CUSTOMER NAME	SP WELFORT HOSPITAL		
ADDRESS	ASHRMAM LN, SASTHAMANGALAM, THIRUVANANTHAPURAM , KERALA 695010	DATE OF CALIBRATION	08/02/2024
CERTIFICATE NO :	CHPL/PC/SPWH/001	VALID UP TO	07/02/2025
		DATE OF ISSUE	08/02/2024

INSTRUMENT DETAILS			
Instrument Name	MICRO PIPETTE	S.No.	---
Make / Model No.	THERMO SCIENTIFIC FINNPIPETTE F3	Visual Inspection	OK
LOCATION :	LAB	RANGE	100 µL
ASSET ID : NA			

DETAILS OF REFERENCE STANDARDS & MAJOR EQUIPMENTS USED		
Equipment Name	ANALYTICAL BALANCE	THERMO HYGROMETER
Make	WENSAR	HTC-1/-
Model / SR No.	MAB182/39736
Calibration Validity	27/07/2024	20/07/2024
Calibration By	UNIQUE	UNIQUE

ENVIRONMENTAL CONDITION			
Temperature	23.0 °C	Relative Humidity	45 %

Calibration Results							
SL NO	SET READING (µl)	MEASURED READING (µl)					STATUS
		I	II	III	IV	V	
1	100	100.00	100.01	100.02	99.99	99.98	PASS

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Calibrated By
(CALIBRATION ENGINEER)

Approved By
(TECHNICAL MANAGER)
PREJITH T



CERTIFICATE OF CALIBRATION

CUSTOMER NAME	SP WELLFORT HOSPITAL		
ADDRESS	ASHRMAM LN, SASTHAMANGALAM, THIRUVANANTHAPURAM , KERALA 695010	DATE OF CALIBRATION	08/02/2024
CERTIFICATE NO :	CHPL/PC/SPWH/002	VALID UP TO	07/02/2025
		DATE OF ISSUE	08/02/2024

INSTRUMENT DETAILS			
Instrument Name	MICRO PIPETTE	S.No.	---
Make / Model No.	THERMO SCIENTIFIC FINNPIPETTE F3	Visual Inspection	OK
LOCATION :	LAB	RANGE	500 µL
ASSET ID : NA			

DETAILS OF REFERENCE STANDARDS & MAJOR EQUIPMENTS USED		
Equipment Name	ANALYTICAL BALANCE	THERMO HYGROMETER
Make	WENSAR	HTC-1/-
Model / SR No.	MAB182/39736
Calibration Validity	27/07/2024	20/07/2024
Calibration By	UNIQUE	UNIQUE

ENVIRONMENTAL CONDITION			
Temperature	23.0 °C	Relative Humidity	45 %

Calibration Results							
SL NO	SET READING (µl)	MEASURED READING (µl)					STATUS
		I	II	III	IV	V	
1	500	500.00	500.01	500.02	499.99	499.98	PASS

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CUSTOMER NAME	SP WELLFORT HOSPITAL		
ADDRESS	ASHRMAM LN, SASTHAMANGALAM, THIRUVANANTHAPURAM, KERALA 695010	DATE OF CALIBRATION	08/02/2024
CERTIFICATE NO :	CHPL/PC/SPWH/003	VALID UP TO	07/02/2025
		DATE OF ISSUE	08/02/2024

INSTRUMENT DETAILS			
Instrument Name	MICRO PIPETTE	S.No.	---
Make / Model No.	THERMO SCIENTIFIC FINNPIPETTE F3	Visual Inspection	OK
LOCATION :	LAB	RANGE	1000 µL
ASSET ID : NA			

DETAILS OF REFERENCE STANDARDS & MAJOR EQUIPMENTS USED		
Equipment Name	ANALYTICAL BALANCE	THERMO HYGROMETER
Make	WENSAR	HTC-1/-
Model / SR No.	MAB182/39736
Calibration Validity	27/07/2024	20/07/2024
Calibration By	UNIQUE	UNIQUE

ENVIRONMENTAL CONDITION			
Temperature	23.0 °C	Relative Humidity	45 %

Calibration Results							
SL NO	SET READING (µl)	MEASURED READING (µl)					STATUS
		I	II	III	IV	V	
1	1000	1000.00	1000.01	1000.02	999.99	999.98	PASS

REMARKS:-

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Approved By
(TECHNICAL MANAGER)
PREJITH YB 

