



TBS INDIA

TELEMATIC AND BIOMEDICAL SERVICES PVT. LTD.



CERTIFICATE OF PERFORMANCE FOR CENTRIFUGE

ISSUED TO : RRIUM SRINAGAR J&K
 CERTIFICATE NO : TBS/CAL/RRIUMSJ&K/24/07
 LOCATION/DEPT. : BIOCHEMISTRY DATE : 12.01.2024
 ASSET NO : NIL MODEL NO : R-8C BL
 MANUFACTURER : REMI SERIAL NO : NIL

CALIBRATION STANDARD USED

S.No	Asset No	Test Equipment	Manufacturer	Model No	Serial No	Cal. Date	Cal. Due Date
1	TBS/TE/0396	DIGITAL TACHOMETER	EQUINOX	EQ-801B	S347101	08.02.2023	07.02.2024
2	TBS/TE/0195	ELECTRICAL SAFETY ANALYZER	RIGEL MEDICAL	288+	28J-0600	12.04.2023	11.04.2024

CALIBRATION RESULTS

S.No	Parameters	Unit	Set Value	Measured Value	Acceptable Range	Remarks
1	SPEED	RPM	1000	998	± 5%	PASS
			1500	1490	± 5%	PASS
			2500	2489	± 5%	PASS
			3500	3491	± 5%	PASS
			4200	4184	± 5%	PASS

Electrical Safety Test Passed as per IEC Standard 60601.1

Calibration Passed: YES NO

Calibration Done Date: 12.01.2024

Calibration Due Date: 11.01.2025

Calibrated By: Shahid Hussain




Approved By:



The above mentioned instrument has been certified with accuracy guidelines traceable to the National / International Standards

5th Floor, Arden Fair, Opp Benniganahalli Ring Road Flyover, Pai Layout, Near Tin Factory, Old Madras Road,
Bangalore - 560016, Tel: +91 80 40545050 Fax: +91 80 40545055
Email: info@tbs-india.com Website: www.tbs-india.com

Calibration Certificate

Tests performed by: TBS India TELEMATIC AND BIOMEDICAL SERVICES PVT LTD.	On behalf of: RRIUM SRINAGAR J&K	Test Dates Test Date: 12 JAN 2024
		Re-Test Date: 11 JAN 2025
Asset: NIL	Overall Status: Pass	Test Interval: 12 months

Description:	Test Equipment used:		
Description : CENTRIFUGE Certificate No : TBS/CAL/RRIUMSJ&K/24/07	Model	Serial No.	Protocol
	Rigel 288+/62353+	28J-0600	Automatic

Test	Mains	SRG	AP	Type	Limit	Result	Units	Status
Earth Bond	-	-	-	-	0.200	0.161	Ω	Pass
Live Voltage	-	-	-	-	0	231	V	Info
Neutral Voltage	-	-	-	-	0.00	0.00	V	Info
Load Current	-	-	-	-	0.00	0.00	A	Info
Load Test	-	-	-	-	0.00	0.00	kVA	Info
Earth Leakage (Direct)	-	-	-	-	5,000	79	μA	Pass
Earth Leakage (Direct)	-	Neutral O/C	-	-	10,000	144	μA	Pass
Earth Leakage (Direct)	Reversed	-	-	-	5,000	79	μA	Pass
Earth Leakage (Direct)	Reversed	Neutral O/C	-	-	10,000	144	μA	Pass
Enclosure Leakage (60601)	-	-	-	-	100	<4	μA	Pass
Enclosure Leakage (60601)	-	Earth O/C	-	-	500	18	μA	Pass
Enclosure Leakage (60601)	-	Neutral O/C	-	-	500	<4	μA	Pass
Enclosure Leakage (60601)	Reversed	-	-	-	100	<4	μA	Pass
Enclosure Leakage (60601)	Reversed	Earth O/C	-	-	500	18	μA	Pass
Enclosure Leakage (60601)	Reversed	Neutral O/C	-	-	500	<4	μA	Pass

Signature

Tested by



TBS INDIA

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CERTIFICATE OF PERFORMANCE FOR **PIPETTE**

ISSUED TO : RRIUM SRINAGAR J&K
 CERTIFICATE NO : TBS/CAL/RRIUM/2024/23
 LOCATION/DEPT. : BIOCHEMISTRY
 ASSET DESCRIP. : MICRO PIPETTE
 MANUFACTURER : THERMO SCIENTIFIC

DATE : 12.01.24
 MODEL NO: F2
 SERIAL NO: PH12567

CALIBRATION STANDARD USED

S.No	Asset No	Test Equipment	Manufacturer	Model No	Serial No	Cal. Date	Cal. Due Date
1	TBS/TE/0568	PIPETTE CALIB. BALANCE	SECURA	225D	003270939	10.12.23	10.12.24
2	TBS/TE/0132	BAROMETER	RIGEL MEDICAL	NA	05965	10.12.23	10.12.24

TEST REPORT

Summary Statistics				Accuracy %		Precision %		Sample Volumes (µL)			
Volume	Mean	SD	Unc. +/-	Actual	Target	Actual	Target	Status	1	2	3
10.0	10.0210	0.045	0.594	0.210	3.000	0.451	3.000	Passed	10.0644	10.0243	9.9742
50.0	50.0112	0.135	0.611	0.022	3.000	0.270	3.000	Passed	50.0513	49.8608	50.1215
100.0	100.1093	0.144	0.614	0.109	3.000	0.144	3.000	Passed	100.0525	100.2730	100.0024
200.0	200.1089	0.144	0.614	0.201	3.000	0.280	3.000	Passed	200.0326	200.2530	200.0028

Traceability:

Primary standards used for the calibration of equipment are traceable to the Standards which meets requirements. Calibration Procedures are performed in accordance with SOP of our Standard Operating Procedure manual.

Calibration Passed: YES

NO

Calibration Done Date: 12.01.24

Calibrated By: **SHAHID HUSSAIN**

Calibration Due Date: 13.01.25

Approved By: Dr **MUBASSHIR HUSSAIN**



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CERTIFICATE OF PERFORMANCE FOR **PIPETTE**

ISSUED TO : RRIUM SRINAGAR J&K
 CERTIFICATE NO : TBS/CAL/RRIUM/2024/23
 LOCATION/DEPT. : BIOCHEMISTRY DATE : 12.01.24
 ASSET DESCRIP. : MICRO PIPETTE MODEL NO: F2
 MANUFACTURER : THERMO SCIENTIFIC SERIAL NO : OW12771

CALIBRATION STANDARD USED

S.No	Asset No	Test Equipment	Manufacturer	Model No	Serial No	Cal. Date	Cal. Due Date
1	TBS/TE/0568	PIPETTE CALIB. BALANCE	SECURA	225D	003270939	10.12.23	10.12.24
2	TBS/TE/0132	BAROMETER	RIGEL MEDICAL	NA	05965	10.12.23	10.12.24

TEST REPORT

Summary Statistics			Accuracy %		Precision %		Sample Volumes (µL)			
Volume (µL)	SD	Unc. +/-	Actual	Target	Actual	Target	Status	1	2	3
500	0.164	0.644	0.201	3.000	0.276	3.000	Passed	500.0336	500.2532	500.0018

Traceability:

Primary standards used for the calibration of equipment are traceable to the Standards which meets requirements. Calibration Procedures are performed in accordance with SOP of our Standard Operating Procedure manual.

Calibration Passed: YES NO

Calibration Done Date: 12.01.24

Calibrated By : **SHAHID HUSSAIN**

Calibration Due Date: 13.01.25
 Approved By: Dr. **MUBASHIR HUSSAIN**





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CERTIFICATE OF PERFORMANCE FOR **PIPETTE**

ISSUED TO : RRIUM SRINAGAR J&K
 CERTIFICATE NO : TBS/CAL/RRIUM/2024/25
 LOCATION/DEPT. : BIOCHEMISTRY DATE : 12.01.24
 ASSET DESCRIP. : MICRO PIPETTE MODEL NO: F2
 MANUFACTURER : THERMO SCIENTIFIC SERIAL NO :PW02689

CALIBRATION STANDARD USED

S.No	Asset No	Test Equipment	Manufacturer	Model No	Serial No	Cal. Date	Cal. Due Date
1	TBS/TE/0568	PIPETTE CALIB. BALANCE	SECURA	225D	003270939	10.12.23	10.12.24
2	TBS/TE/0132	BAROMETER	RIGEL MEDICAL	NA	05965	10.12.23	10.12.24

TEST REPORT

Summary Statistics				Accuracy %		Precision %		Sample Volumes (µL)			
10.0 µL	Mean	SD	Unc. +/-	Actual	Target	Actual	Target	Status	1	2	3
Ch 1	10.0221	0.045	0.594	0.210	3.000	0.451	3.000	Passed	10.0644	10.0253	9.9752

Traceability:
 Primary standards used for the calibration of equipment are traceable to the Standards which meets requirements. Calibration Procedures are performed in accordance with SOP of our Standard Operating Procedure manual.

Calibration Passed: YES NO

Calibration Done Date: 12.01.24

Calibrated By: **SHAHID HUSSAIN**

Calibration Due Date: 13.01.25
 Approved By: Dr. **MEERAS WAIR HUSSAIN**



The above mentioned instrument has been certified with accuracy guidelines traceable to the National / International Standards
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