

CALIBRATION CERTIFICATE

EQN/FT/7.8/01

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CRF No. :	EQN/CRF/2112007	Date of Calibration :	29-Nov-21
Certificate No. :	2021-22/EQN/2112007-04	Recom. Due Date :	28-Nov-22
ULR No. :	CC276021000011427F		

Customer Details	Calibrated at :	Onsite
M/s. BIOLINE LABORATORY	Date of Receipt :	29-Nov-21
CKS Building 2nd Floor,	Cond. On Receipt :	Satisfactory
No. 21/829 Kallai Main Road,	Date of Issue :	02-Dec-21
Calicut - 673 003, Kerala		

DETAILS OF UUC :			
Description :	Double Door Refrigerator	Identification No. :	BL/KALLAI/BC/RF-01
Range :	2-8°C / -15°C	Serial No. :	041C4PBK061876N
Least Count :	--	Make :	Samsung
Cal./Working Range :	2-8°C / -15°C	Model / Type :	RT28N3022S8
Location :	Biochemistry Lab	Accuracy :	As Per Manual

DETAILS OF STANDARD USED :			
Master Name	Lab ID No. / Sr No.,	Valid upto	Certificate Number
Portable Calibrator	INS/ET/02	07-Dec-21	2020-21/EQN/MASTER-263
RTD	INS/TM/29	14-Aug-22	2021-22/EQN/210820-46

CP No. :	EQN/CP/TL-03
Environmental Details :	Temperature: 25±5°C Relative Humidity: 45-70 % RH

THERMAL CALIBRATION - (Temperature)

Refrigerator

CALIBRATION RESULT			
Sl.No.	TEST READING Stage	STD READING (°C)	UNCERTAINTY ± (°C)
1	Upper Tray (2-8°C)	6.12	0.60
2	Middle Tray (2-8°C)	6.54	0.60
3	BottomTray (2-8°C)	6.67	0.60

Deep Freezer

CALIBRATION RESULT				
Sl.No.	TEST READING (°C)	STD READING (°C)	ERROR (°C)	UNCERTAINTY (°C)
1	-15	-14.21	-0.79	0.60

Remark :

1. Reading given was the average of 3 Measurements.
2. The reported Expanded Uncertainty is calculated at 95 % C.L Approx with coverage factor $k=2$
3. Temperature scale:ITS 90

Issued by :  Engineer - Calibration		Authorized by :  K. Yoganathan
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EQUATION CALIBRATION SERVICES PRIVATE LIMITED

CALIBRATION CERTIFICATE

EQN/FT/7.8/01

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CRF No.	: EQN/CRF/2112007	Date of Calibration	: 29-Nov-21
Certificate No	: 2021-22/EQN/2112007-05	Recom. Due Date	: 28-Nov-22
ULR No.	: CC276021000011428F		

Customer Details	Calibrated at	: Onsite
M/s. BIOLINE LABORATORY	Date of Receipt	: 29-Nov-21
CKS Building 2nd Floor,	Cond. On Receipt	: Satisfactory
No. 21/829 Kallai Main Road,	Date of Issue	: 02-Dec-21
Calicut - 673 003, Kerala		

DETAILS OF UUC :			
Description	: Horizontal Refrigerator/Freezer	Identification No.	: BL/KALLAI/BC/HRF-02
Range	: -20 to 20°C	Serial No.	: EHF55020180517108
Least Count	: 1°C	Make	: Euronova
Cal./Working Range	: 5°C	Model / Type	: CHF550
Location	: Biochemistry Lab	Accuracy	: As Per Manual

DETAILS OF STANDARD USED :			
Master Name	Lab ID No. / Sr No.	Valid upto	Certificate Number
Portable Calibrator	INS/ET/02	07-Dec-21	2020-21/EQN/MASTER-263
RTD	INS/TM/29	14-Aug-22	2021-22/EQN/210820-46

CP No.	: EQN/CP/TL-03
Environmental Details	: Temperature: 25±5°C Relative Humidity: 45-70 % RH

THERMAL CALIBRATION - (Temperature)

CALIBRATION RESULT				
Sl.No.	TEST READING	STD READING	ERROR	UNCERTAINTY
	(°C)	(°C)	(°C)	± (°C)
1	5	4.58	0.42	0.60

Remark :

1. Reading given was the average of 3 Measurements.
2. The reported Expanded Uncertainty is calculated at 95 % C.L Approx with coverage factor $k=2$
3. Temperature scale:ITS 90

Issued by :  Engineer - Calibration k.vigneshwaran		Authorized by :  TM K. Yoganathan
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