

CALIBRATION CERTIFICATE

EQN/FT/7.8/01

Page 1 of 1

CRF No. :	EQN/CRF/2112007	Date of Calibration :	01-Dec-21
Certificate No :	2020-21/EQN/2112007-16	Recom. Due Date :	30-Nov-22
ULR No. :	CC276021000011439F		

CUSTOMER DETAILS :	
M/s. BIOLINE LABORATORY CKS Building 2nd Floor, No. 21/829 Kallai Main Road, Calicut - 673 003, Kerala	Calibrated at : Lab Date of Receipt : 30-Nov-21 Cond. On Receipt : Satisfactory Date of Issue : 03-Dec-21

DETAILS OF UUC :			
Description :	Thermo hygrometer	Identification No. :	BL/KALLAI/BC/DTH-01
Range :	0°C to 50°C & 20% to 99%RH	Serial No. :	--
Least Count :	0.1 °C/ 1 %RH	Make :	Mextech
Operating Range :	--	Model No. :	TM-1
Location :	Lab	Accuracy :	--

DETAILS OF STANDARD USED :			
Master Name	Lab ID No. / Sr No.	Valid upto	Certificate No.
Digital Temp Humidity Meter	INS/TM/133	27-Apr-22	TSC/21-22/1840-1

CP No. :	EQN/CP/TL-06
Environmental Details :	Temperature: 25±2°C Relative Humidity: 40-70 % RH

CALIBRATION RESULT (THERMAL DISCIPLINE(SPECIFIC HEAT & HUMIDITY))

@50 % RH				
Sl. No.	STD READING	TEST READING	ERROR	UNCERTAINTY
	(°C)	(°C)	(°C)	± (°C)
1	15.22	15.3	0.08	0.30
2	30.11	30.3	0.18	0.30
3	45.15	45.4	0.27	0.30
@25 °C				
Sl. No.	(%RH)	(%RH)	(%RH)	± (%RH)
1	30.42	32	1.58	1.70
2	60.65	62	1.35	1.70
3	90.82	92	1.18	1.70

Remarks :

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 : Calibration Engineer : 		Authorized by :  TM K.YOGANATHAN
---	---	--

EQUATION CALIBRATION SERVICES PRIVATE LIMITED

CALIBRATION CERTIFICATE

EQN/FT/7.8/01

Page 1 of 1

CRF No. :	EQN/CRF/2112007	Date of Calibration :	01-Dec-21
Certificate No :	2020-21/EQN/2112007-17	Recom. Due Date :	30-Nov-22
ULR No. :	CC276021000011440F		

CUSTOMER DETAILS :			
M/s. BIOLINE LABORATORY		Calibrated at :	Lab
CKS Building 2nd Floor,		Date of Receipt :	30-Nov-21
No. 21/829 Kallai Main Road,		Cond. On Receipt :	Satisfactory
Calicut - 673 003, Kerala		Date of Issue :	03-Dec-21

DETAILS OF UUC :			
Description :	Thermo hygrometer	Identification No. :	BL/KALLAI/BC/DTH-02
Range :	0°C to 50°C & 20% to 99%RH	Serial No. :	--
Least Count :	0.1 °C / 1 %RH	Make :	Mextech
Operating Range :	--	Model No. :	TM-1
Location :	Lab	Accuracy :	--

DETAILS OF STANDARD USED :			
Master Name	Lab ID No. / Sr No.	Valid upto	Certificate No.
Digital Temp Humidity Meter	INS/TM/133	27-Apr-22	TSC/21-22/1840-1

CP No. :	EQN/CP/TL-06
Environmental Details :	Temperature: 25±2°C Relative Humidity: 40-70 % RH

CALIBRATION RESULT (THERMAL DISCIPLINE(SPECIFIC HEAT & HUMIDITY))

@50 % RH				
Sl. No.	STD READING	TEST READING	ERROR	UNCERTAINTY
	(°C)	(°C)	(°C)	± (°C)
1	15.22	15.3	0.08	0.30
2	30.11	30.4	0.29	0.30
3	45.15	45.6	0.45	0.30
@25 °C				
Sl. No.	(%RH)	(%RH)	(%RH)	± (%RH)
1	30.42	31	0.58	1.70
2	60.65	61	0.35	1.70
3	90.82	92	1.18	1.70

Remarks :

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 : Calibration Engineer : 		Authorized by :  TM K.YOGANATHAN
---	---	---

EQUATION CALIBRATION SERVICES PRIVATE LIMITED

CALIBRATION CERTIFICATE

EQN/FT/7.8/01

Page 1 of 1

CRF No. :	EQN/CRF/2112007	Date of Calibration :	01-Dec-21
Certificate No :	2020-21/EQN/2112007-18	Recom. Due Date :	30-Nov-22
ULR No. :	CC276021000011441F		

CUSTOMER DETAILS :

M/s. BIOLINE LABORATORY
 CKS Building 2nd Floor,
 No. 21/829 Kallai Main Road,
 Calicut - 673 003, Kerala

Calibrated at : Lab
 Date of Receipt : 30-Nov-21
 Cond. On Receipt : Satisfactory
 Date of Issue : 03-Dec-21

DETAILS OF UUC :

Description :	Thermo hygrometér	Identification No. :	BL/KALLAI/MB/DTH-01
Range :	0°C to 50°C & 20% to 99%RH	Serial No. :	--
Least Count :	0.1 °C/ 1 %RH	Make :	Mextech
Operating Range :	--	Model No. :	TM-1
Location :	Lab	Accuracy :	--

DETAILS OF STANDARD USED :

Master Name	Lab ID No. / Sr No.	Valid upto	Certificate No.
Digital Temp Humidity Meter	INS/TM/133	27-Apr-22	TSC/21-22/1840-1

CP No. :	EQN/CP/TL-06
Environmental Details :	Temperature: 25±2°C Relative Humidity: 40-70 % RH

CALIBRATION RESULT
 (THERMAL DISCIPLINE(SPECIFIC HEAT & HUMIDITY))

@50 % RH				
Sl. No.	STD READING	TEST READING	ERROR	UNCERTAINTY
	(°C)	(°C)	(°C)	± (°C)
1	15.22	15.4	0.18	0.30
2	30.11	30.6	0.49	0.30
3	45.15	45.7	0.55	0.30
@25 °C				
Sl. No.	(%RH)	(%RH)	(%RH)	± (%RH)
1	30.42	32	1.58	1.70
2	60.65	62	1.35	1.70
3	90.82	92	1.18	1.70

Remarks :

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 :	 K. VIGNESHWARAN	Authorized by :	 K.YOGANATHAN
Calibration Engineer :		TM	

EQUATION CALIBRATION SERVICES PRIVATE LIMITED

CALIBRATION CERTIFICATE

EQN/FT/7.8/01

Page 1 of 1

CRF No.	: EQN/CRF/2112007	Date of Calibration	: 01-Dec-21
Certificate No	: 2020-21/EQN/2112007-19	Recom. Due Date	: 30-Nov-22
ULR No.	: CC276021000011442F		

CUSTOMER DETAILS :

M/s. BIOLINE LABORATORY
 CKS Building 2nd Floor,
 No. 21/829 Kallai Main Road,
 Calicut - 673 003, Kerala

Calibrated at : Lab
 Date of Receipt : 30-Nov-21
 Cond. On Receipt : Satisfactory
 Date of Issue : 03-Dec-21

DETAILS OF UUC :

Description	: Thermo hygrometer	Identification No.	: BL/KALLAI/MB/DTH-02
Range	: 0°C to 50°C & 20% to 99%RH	Serial No.	: --
Least Count	: 0.1 ° C/ 1 %RH	Make	: Mextech
Operating Range	: --	Model No.	: TM-1
Location	: Lab	Accuracy	: --

DETAILS OF STANDARD USED :

Master Name	Lab ID No. / Sr No.	Valid upto	Certificate No.
Digital Temp Humidity Meter	INS/TM/133	27-Apr-22	TSC/21-22/1840-1

CP No.	: EQN/CP/TL-06
Environmental Details	: Temperature: 25±2°C Relative Humidity: 40-70 % RH

CALIBRATION RESULT
 (THERMAL DISCIPLINE(SPECIFIC HEAT & HUMIDITY))

@50 % RH				
Sl. No.	STD READING	TEST READING	ERROR	UNCERTAINTY
	(°C)	(°C)	(°C)	± (°C)
1	15.22	15.5	0.28	0.30
2	30.11	30.6	0.49	0.30
3	45.15	45.8	0.65	0.30
@25 °C				
Sl. No.	(%RH)	(%RH)	(%RH)	± (%RH)
	(%RH)	(%RH)	(%RH)	± (%RH)
1	30.42	31	0.58	1.70
2	60.65	62	1.35	1.70
3	90.82	93	2.18	1.70

Remarks :

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 :	 K. VIGNESHWARAN		Authorized by :	 K.YOGANATHAN
Calibration Engineer :			TM	

EQUATION CALIBRATION SERVICES PRIVATE LIMITED