

Certificate of Calibration

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Date of Issue: September 3, 2024

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REQUEST NUMBER	: BY Mail	
JOB NUMBER	: QC/JN/24/00341	
CERTIFICATE NUMBER	: QC240903-25	

CUSTOMER DETAILS

Name : **Halliburton Worldwide IRAQ**
Address : Western Burjesia, Oil Street, Zubair-South Iraq
Department : Sperry

EQUIPMENT IDENTIFICATION AND SPECIFICATIONS

Description : Digital Thermohygrometer
Manufacturer : HTC
Model : HTC-2
Serial Number : HB-SP-005
SAP No. : 300151066
Temperature Range : -50 °C to 70 °C
Calibration Range : -10 °C to 50 °C
Temp Readability : 0.1 °C
Temp Accuracy : ±1.0 °C
Humidity Range : 10 %RH to 99 %RH
Humidity Readability : 1.0 %RH
Humidity Accuracy : 5.0 %RH
As Found Condition : Good
Calibrated By : Hussein Alaa
Calibration Date : September 3, 2024
Calibration Due : September 2, 2025
Last Calibration Date : October 12, 2023



ENVIRONMENTAL CONDITIONS DURING TEST

Average Ambient Temperature : 22 °C ± 2 °C
Relative Humidity : 40 % RH ± 5 % RH

CALIBRATION METHOD

The above equipment has been calibrated in accordance to Calibration Procedure : QC/CP/T/08 Rev. 01
The deviations of the measurements obtained from UUC with respect to reference standards are determined to obtain the error.

REFERENCE EQUIPMENT USED :

DESCRIPTION	MAKE / MODEL	SERIAL NO.	CALIBRATION DATE	DUE DATE
Temperature Humidity Test Chamber	LIB / TH100	1003256	15-Dec-23	14-Dec-24

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CALIBRATION TEST RESULTS

1. The results of the measurements are given on table below.
2. No adjustment were made prior to calibration.

Data for Temperature Range

SET POINT	THERMOHYGROMETER READING	DEVIATION	UNCERTAINTY
°C	°C	°C	±°C
-10.0	-9.9	0.1	0.50
30.0	30.3	0.3	0.50
50.0	50.8	0.8	0.50

UNCERTAINTY OF MEASUREMENT: ± 0.5 °C

Data for Humidity Range

SET POINT	THERMOHYGROMETER READING	DEVIATION	UNCERTAINTY
%RH	%RH	%RH	±%RH
10.0	10.0	0.0	1.00
50.0	52.0	2.0	1.00
90.0	92.0	2.0	1.00

UNCERTAINTY OF MEASUREMENT: ± 1 %RH

 Calibration results were found to conform as per specified accuracy requirements. Above Instrument has **PASSED** its Calibration.

The reported expanded uncertainty is based on a standard uncertainty multiplied by a coverage factor k=2, providing a level of confidence of approximately 95%. The uncertainty evaluation has been carried out in accordance with international practice.

DEVIATION FROM STANDARD METHOD : None

 REMARK (S) :
☒ The results are as found (no adjustment done).
☐ The results are post adjustment.

CALIBRATED BY	REVIEWED & APPROVED BY LAB INCHARGE	CLIENT
 Hussein Alaa	 LAB INCHARGE Asjad Rafiq	