

Calibration Certificate

Al Takamul Yard, North Rumailah Iraq

• Phone : +964 7810009138 • www.qualitycontrol-iraq • E-mail: op@qualitycontrol-iraq

Date of Issue: June 3, 2024

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REQUEST NUMBER : By Mail	CUSTOMERS DETAILS
QC JOB NUMBER : QC/JN/24/00226	
CERTIFICATE NUMBER : QC240603-07	
Name : Halliburton Worldwide-Iraq Branch (Sperry)	
Address : Oil Street, Western Burjessia Basra South Iraq	

EQUIPMENT IDENTIFICATION AND SPECIFICATIONS

Description	Torque Wrench	Calibration Date	: June 3, 2024
Type of Indication	Analog	Calibration Due	: June 2, 2025
Manufacturer	: Precision Instruments	Last Calibration	: June 7, 2023
Model	: C3FR250F		
Serial Number	: 261355		
SAP No.	: 300189676		
Calibrated Range	: 40 to 250 LB.FT		
Resolution	: 5 LB.FT		
Tolerance	: $\pm 4\%$		
As Found	: In Tolerance		



ENVIRONMENTAL CONDITIONS DURING TEST

Ambient Temperature	: 22 °C	\pm	2°C	Relative Humidity	: 45 %RH	\pm	5% RH
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CALIBRATION METHOD

The above equipment has been calibrated in accordance with International Calibration standard # ISO 6789-1:2017

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 #	CALIBRATION DATE	CALIBRATION DUE DATE
Torque Wrench Calibrator	Nobar / Pro Test 1500	90962	20 Nov, 2023	19 Nov, 2024

CALIBRATION TEST RESULTS

Measurement Data For Torque

Clockwise Measurements

Readings on UUC	Readings on Ref. Standard (Avg. of 5 Measurements)	Deviation	Error Percentage (Tolerance $\pm 4\%$)	Uncertainty (95 % C.L)
LB.FT	LB.FT	LB.FT	%	\pm LB.FT
40.0	38.20	1.80	0.7	0.50
100.0	98.60	1.40	0.6	0.50
150.0	149.40	0.60	0.2	0.50
200.0	200.90	-0.90	-0.4	0.50
250.0	251.30	-1.30	-0.6	0.50

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	CLIENT
 Mahdi Halim	 LAB INCHARGE	Asjad Rafid