

# Calibration Certificate

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Date of Issue: July 16, 2025

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REQUEST NUMBER : By Mail	CUSTOMERS DETAILS	
JOB NUMBER : QC-CAL-25270	Name : Halliburton Worldwide-Iraq Branch (Sperry)	
CERTIFICATE NUMBER : QC-CAL-25270-04	Address : Oil Street, Western Burjessia Basra South Iraq	

### EQUIPMENT IDENTIFICATION AND SPECIFICATIONS

Description : Torque Wrench	Calibration Date : July 16, 2025
Type of Indication : Analog	Calibration Due : <b>July 15, 2026</b>
Manufacturer : FORCE	Last Calibration : NA
Model : 6473420W	
Serial Number : 351717	
SAP No. : 300308810	
Calibrated Range : 20 to 100 N.m	
Resolution : 1 N.m	
Tolerance : ± 4 %	
As Found : In Tolerance	



### ENVIRONMENTAL CONDITIONS DURING TEST

Ambient Temperature : 29 °C ± 2°C	Relative Humidity : 45 %RH ± 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	5 Nov, 2024	4 Nov, 2025

### CALIBRATION TEST RESULTS

#### Measurement Data For Torque

#### Clockwise Measurements

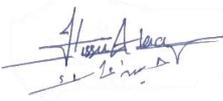
Readings on UUC	Readings on Ref. Standard (Avg. of 5 Measurements)	Deviation	Error Percentage (Tolerance ±4%)	Uncertainty (95 % C.L)
N.m	N.m	N.m	%	±LB.FT
20.0	20.10	-0.10	0.0	0.50
40.0	40.20	-0.20	-0.1	0.50
60.0	60.25	-0.25	-0.1	0.50
80.0	80.33	-0.33	-0.1	0.50
100.0	100.50	-0.50	-0.2	0.50

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	LAB INCHARGE	CLIENT
 Hussein Alaa	 Asjad Rafiq	LAB INCHARGE	