

Calibration Certificate

Al Takamul Yard, North Rumailah Iraq

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Date of Issue: July 16, 2025

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REQUEST NUMBER : By Mail JOB NUMBER : QC-CAL-25270 CERTIFICATE NUMBER : QC-CAL-25270-02	CUSTOMERS DETAILS Name : Halliburton Worldwide-Iraq Branch (Sperry) Address : Oil Street, Western Burjessia Basra South Iraq
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EQUIPMENT IDENTIFICATION AND SPECIFICATIONS

Description : Torque Wrench Type of Indication : Analog Manufacturer : PROTO Model : 6013C Serial Number : DPF30481 SAP No. : 300192956 Calibrated Range : 50 to 250 FT-LBS Resolution : 1 FT-LBS Tolerance : ± 4 % As Found : In Tolerance	Calibration Date : July 16, 2025 Calibration Due : July 15, 2026 Last Calibration : NA
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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)
FT-LBS	FT-LBS	FT-LBS	%	±LB.FT
50.0	50.30	-0.30	-0.1	0.50
75.0	75.20	-0.20	-0.1	0.50
125.0	125.40	-0.40	-0.2	0.50
200.0	200.50	-0.50	-0.2	0.50
250.0	250.67	-0.67	-0.3	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  Hussein Alaa	REVIEWED & APPROVED BY  LAB INCHARGE Asjad Rafiq	CLIENT
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