

Calibration Certificate

Al Takamul Yard, North Rumailah Iraq

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Date of Issue: July 14, 2025

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REQUEST NUMBER : By Mail	CUSTOMERS DETAILS
JOB NUMBER : QC-CAL-25266	
CERTIFICATE NUMBER : QC-CAL-25266-24	
Name : Halliburton Worldwide-Iraq Branch (HCT)	
Address : Oil Street, Western Burjessia Basra South Iraq	

EQUIPMENT IDENTIFICATION AND SPECIFICATIONS

Description : Torque Wrench	Calibration Date : July 14, 2025
Type of Indication : Analog	Calibration Due : July 13, 2026
Manufacturer : CDI	Last Calibration : NA
Model : 102MFRMH	
Serial Number : 0121111616	
Equipment No. : 300248497	
Calibrated Range : 10 to 100 FT-LBS	
Resolution : 0.5 FT-LBS	
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

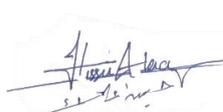
Readings on UUC	Readings on Ref. Standard (Avg. of 5 Measurements)	Deviation	Error Percentage (Tolerance ±4%)	Uncertainty (95 % C.L)
FT-LBS	FT-LBS	FT-LBS	%	± FT-LBS
10.0	10.30	-0.30	-0.1	0.50
30.0	30.50	-0.50	-0.2	0.50
50.0	50.41	-0.41	-0.2	0.50
70.0	70.59	-0.59	-0.2	0.50
100.0	100.71	-0.71	-0.3	0.50

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	REVIWED & APPROVED BY	LAB INCHARGE	CLIENT
 Hussein Alaa		LAB INCHARGE	Asjad Rafiq