

Calibration Certificate

Al Takamul Yard, North Rumailah Iraq

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Date of Issue: July 9, 2025

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REQUEST NUMBER : By Mail	CUSTOMERS DETAILS
JOB NUMBER : QC-CAL-25257	Name : Halliburton Worldwide-Iraq Branch (Sperry)
CERTIFICATE NUMBER : QC-CAL-25257-15	Address : Oil Street, Western Burjessia Basra South Iraq

EQUIPMENT IDENTIFICATION AND SPECIFICATIONS

Description : Torque Wrench	Calibration Date : July 9, 2025
Type of Indication : Analog	Calibration Due : July 8, 2026
Manufacturer : Automaster	Last Calibration : NA
Model : NA	
Serial Number : 180816	
SAP No. : 300258895	
Calibrated Range : 19 to 110 LB.FT	
Resolution : 1 LB.FT	
Tolerance : $\pm 4\%$	
As Found : In Tolerance	



ENVIRONMENTAL CONDITIONS DURING TEST

Ambient Temperature : 29 °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	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 $\pm 4\%$)	Uncertainty (95 % C.L)
LB.FT	LB.FT	LB.FT	%	$\pm$ LB.FT
19.0	19.30	-0.30	-0.1	0.50
35.0	35.70	-0.70	-0.3	0.50
55.0	56.30	-1.30	-0.5	0.50
80.0	81.20	-1.20	-0.5	0.50
110.0	112.00	-2.00	-1.0	0.50

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

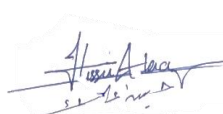
The reported expanded uncertainty is based on a standard uncertainty multiplied by a coverage factor $k=2$, providing a level of confidence of approximately 95%. The uncertainty evaluation has been carried out in accordance with international practice.

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 INCHARGE	CLIENT
 Hussein Alaa	 LAB INCHARGE Asjad Rafiq	