

Calibration Certificate

Al Takamul Yard North Rumailah, Iraq

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

Date of Issue: April 25, 2024

Page 1 of 1

REQUEST NUMBER : By Email JOB NUMBER : QC/JN/24/00190 CERTIFICATE NUMBER : QC240425-02	CUSTOMERS DETAILS Name : Halliburton Worldwide-Iraq Branch (CMT) Address : Oil Street, Western Burjessia Basra South Iraq
--	--

EQUIPMENT IDENTIFICATION AND SPECIFICATIONS

Description : Compression Strength Tester
 Type of Indication : Digital
 Manufacturer : Chandler Engineering
 SAP Number : 12594084
 Model : 4207D
 Serial Number : 374
 Tolerance Limit : 1.0%
 Calibrated Range Force : 0 LBS to 40000 LBS
 Tested Points : 4000 LBS, 16000 LBS, 40000 LBS
 Resolution Force : 10 LBS
 Location : Cementing Lab @ Halliburton Base
 Calibration Date : April 25, 2024
Calibration Due : April 25, 2025 1 Year Validity
 Last Calibration : March 15, 2024



ENVIRONMENTAL CONDITIONS DURING TEST

Ambient Temperature : 22.6 °C ± 2 °C
 Relative Humidity : 44.4 %RH ± 5 %RH

CALIBRATION METHOD

The above equipment has been calibrated in accordance with International Calibration Procedure # ASTM E74-13a
 The deviations of the measurements obtained from UUC with respect to reference standards are determined to obtain the error.

TRACEABILITY

The measurements made by Quality Control Labs, realize the physical units of measurements (SI), through its state of the art calibration standards that are controlled and maintained by QC.

REFERENCE EQUIPMENT USED :

DESCRIPTION	MAKE	MODEL #	SERIAL #	CALIBRATION DATE	CALIBRATION DUE DATE
Load Cell	ZEMIC	BM14A-C3-40T	TA906164	November 2, 2023	November 1, 2024

CALIBRATION TEST RESULTS

Measurement Data For Force (Compression)

Readings on UUC	Readings on Ref. Standard	Error	Uncertainty (95 % C.L)
LBS	LBS	% of reading	± LBS
0	0.00	0.00	0
4000	4015	-15.00	15
16000	16025	-25.00	15
40000	40036	-36.00	18

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  Mahdi Halim	REVIWED & APPROVED BY LAB INCHARGE  LAB INCHARGE Asjad Rafiq	CLIENT
--	---	---------------