

Certificate of Calibration

Al Takamul Yard, North Rumailah South Iraq

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Date of Issue: September 18, 2024

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REQUEST NUMBER : By Mail	CUSTOMER DETAILS
JOB NUMBER : QC/JN/24/00356	Name Halliburton Worldwide IRAQ
CERTIFICATE NUMBER : QC240918-13	Address Western Burjesia, Oil Street, District Zubair-South Iraq

EQUIPMENT IDENTIFICATION AND SPECIFICATIONS

Description : **Refractometer**
 Manufacturer : Bellingham Stanley
 Model : 38-01
 Serial Number : **31507**
 Type : Digital
 Range : 0.00 to 80° Brix
 Calibrated Range : 0.00° Brix
 Readability : 0.001° Brix
 As Found : In Tolerance
 Calibration Date : September 18, 2024
Calibration Due : September 17, 2025
 Last Calibration : October 3, 2023



ENVIRONMENTAL CONDITIONS DURING TEST

Ambient Temperature : 20.0 ± 1°C Humidity : 43.0 ± 5 % RH Atm. Pressure 1013.0 ± 10 hPa

CALIBRATION METHOD

The above equipment has been calibrated against standard Refractometer Calibration Solutions. The deviations of the measurements obtained from UUC with respect to reference standards are determined to obtain the error.

REFERENCE EQUIPMENT USED :

DESCRIPTION	Solution Code	SOURCE OF TRACEABILITY	EXPIRY DATE
Refractometer Calibration Solution	SS10, SS60	Bellingham Stanley	20-Jun-25

CALIBRATION TEST RESULTS

Measured Values on Unit Under Calibration (M)	Ref. Standard Values (A)	Deviation (D=M-A)	Expanded Uncertainty (U)
Brix	Brix	Brix	± Brix
10.00	10.00	0.00	0.01
60.00	60.10	0.10	0.01

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

- The results are as found (no adjustment done).
 The results are post adjustment.

CALIBRATED BY	REVIEWED & APPROVED / IN CHARGE	CLIENT
 Hussein Alaa	 LAB IN CHARGE Asjad Rafiq	