

Al Takamul Company For Engineering Services Quality Control - Iraq

Certificate of Calibration

Al Takamul Yard, North Rumailah South Iraq

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July 3, 2025 Date of Issue: Page 1 of 1 By Contract REQUEST NUMBER APPROVED BY LAB I

QC-CAL-25248 JOB NUMBER QC-CAL-25248-01 CERTIFICATE NUMBER

CUSTOMER DETAILS

Name **Daqing Drilling Company Iraq** Address South Rumaila South Iraq

DO037 Rig

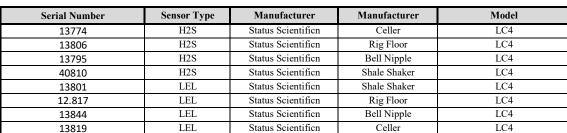
EQUIPMENT IDENTIFICATION AND SPECIFICATIONS

Fixed Gas System Description Manufacturer Status Scientificn H2S Gas Monitoring Panel SN 16165417 LEL Gas Monitoring Panel SN 0413

Type Digital

25 PPM H2S 50% LEL Calibrated Range

Abdulrahman Loay Calibrated By July 3, 2025 Calibration Date Calibration Due October 2, 2025



ENVIRONMENTAL	CONDITIONS	DUDING TEST
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Ambient Temperature $31^{\circ}C \pm 2^{\circ}C$ Relative Humidity $40~\%RH~\pm~10~\%RH$

CALIBRATION METHOD

Reference cylinders consisting of gases LEL & H2S is used, which are detected by gas detector by diffusion.

The measurements made by Quality Control, 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:

REI EREITEE EQUITMENT COED:					
	DESCRIPTION	SERIAL NO.	Make	Valid Until	
	Gas Cylinder (25PPM H2S)&(50% LEL)	WO463909-1	CALGAZ	July 31, 2026	

CALIBRATION TEST RESULTS

Applied Gas	Values of UUC	Values on Reference Standard	Error in Reading of UUC	Uncertainty of Measurement
H2S PPM	25.0	25.0	0.0	± 1
H2S PPM	25.0	25.0	0.0	± 1
H2S PPM	25.0	25.0	0.0	± 1
H2S PPM	25.0	25.0	0.0	± 1
Methane(LEL)%	50.0	50.0	0.0	± 1
Methane(LEL)%	50.0	50.0	0.0	± 1
Methane(LEL)%	50.0	50.0	0.0	± 1
Methane(LEL)%	50.0	50.0	0.0	± 2

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

REMARK (S):

- 1 The results relate to measurements taken at nominal value only.
- 2 No adjustments were made prior to calibration.
- 3 No accessories were fitted.
- 4 Calibration were carried out for all the Sensors

Alarm Details	Low	High
H2S-ppm	5	10
CH4-%LEL	10	20

Tested and found OK

















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