

Certificate of Calibration

AlTakamul Yard, North Rumaila-South Iraq

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 January 27, 2024

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REQUEST NUMBER :	By Contract	APPROVED BY:  / MANAGER QC
JOB NUMBER :	QC/JN/24/0019	
CERTIFICATE NUMBER :	QC240127-11	



CUSTOMER DETAILS

Name : **Daqing Drilling Company IRAQ, Mud Logging**
 Address : Basra ,South Rumaila, South Iraq
 Rig Number : DQ12 ML

EQUIPMENT IDENTIFICATION AND SPECIFICATIONS

Description : **LEL FIXED SENSOR**
 Manufacturer : OLDHAM
 Model : N/A
 Serial Number : **D06E000046A3**
 Type : Digital
 Calibrated Range : 50 % LEL
 Calibrated By : Mahdi Haleem
 Calibration Date : January 27, 2024
Calibration Due : April 26, 2024

Alarm Details

LEL %	Low 10	High 20
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ENVIRONMENTAL CONDITIONS DURING TEST

Ambient Temperature :	19.3 °C	±	0.1 °C
Relative Humidity :	42.3 %RH	±	0.5 %RH

CALIBRATION METHOD

A reference cylinder consisting of gas (H2S) is used , which are detected by gas detector by diffusion.

TRACEABILITY

The measurements made by QC Calibration & Testing Labs are traceable to NIST, vide Intermountain Speciality Gases Certificate of Analysis
 The measurements made by QC Calibration & Testing 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	SERIAL NO.	MAKE	GAS EXPIRY DATE
Multi Gas Cylinder (h2s 25 ppm , LEL 50%)	955-545316	CALGAZ	1/3/2025

CALIBRATION TEST RESULTS

Gas Name	Values of UUC	Values on Reference Standard	Error in Reading of UUC	Uncertainty of Measurement
LEL %	49	50	1.00	± 2

Results :

The above Value Indicates That the Instrument complies with the Specified Maximum Permissible error tolerance.
 At The Time of Calibration. and ready for use.