

## Certificate of Calibration

AlTakamul Yard, North Rumaila-South Iraq

• Phone : +964 7810009138 • www.qualitycontrol-iraq.com • E-mail: op@qualitycontrol-iraq.com  
 January 27, 2024

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REQUEST NUMBER :	: By Contract	APPROVED BY:  / <b>ENGINEER QC</b>
JOB NUMBER :	: QC/JN/24/0019	
CERTIFICATE NUMBER :	: QC240127-15	



### 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 : **D06E000125A3**  
 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 %	50	50	0.00	± 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.