

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:  / QC |
| JOB NUMBER : | QC/JN/24/0019 | |
| CERTIFICATE NUMBER : | QC240127-08 | |



CUSTOMER DETAILS

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

EQUIPMENT IDENTIFICATION AND SPECIFICATIONS

Description : **H2S FIXED SENSOR**
 Manufacturer : OLDHAM
 Model : N/A
 Serial Number : **150102A-005**
 Type : Digital
 Calibrated Range : 25 PPM H2S
 Calibrated By : Mahdi Haleem
 Calibration Date : January 27, 2024
Calibration Due : April 26, 2024

Alarm Details

| | |
|-----|------|
| Low | High |
| 5 | 10 |



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 |
|----------|---------------|------------------------------|-------------------------|----------------------------|
| H2S PPM | 26 | 25 | -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.