

## Certificate of Calibration

Al Takamul Yard, North Rumailah South Iraq

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<b>Date of Issue:</b> May 4, 2025	APPROVED BY LAB INCHARGE QC  Asjad Aziz
<b>REQUEST NUMBER</b> : By Contract <b>JOB NUMBER</b> : QC-CAL-25157 <b>CERTIFICATE NUMBER</b> : QC-CAL-25157-20	

<b>CUSTOMER DETAILS</b>	
Name	: Daqing Drilling Company Iraq
Address	: South Rumaila South Iraq
Rig	: DQ01202

<b>EQUIPMENT IDENTIFICATION AND SPECIFICATIONS</b>	
Description	<b>Fixed Gas System</b>
Manufacturer	Status Scientificn
GMP SN	G0001798
Type	Digital
Calibrated Range	25 PPM H2S                      50% LEL
Calibrated By	Hussein Alaa
Calibration Date	May 4, 2025
Calibration Due	August 3, 2025



Serial Number	Sensor Type	Manufacturer
40812	H2S	Celler
40813	H2S	Shale Shaker
40814	H2S	Rig Floor
40853	H2S	Roatery Table
0914	LEL	Celler
0814	LEL	Shale Shaker
0913	LEL	Rig Floor
0813	LEL	Roatery Table

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

Tested and found OK

<b>ENVIRONMENTAL CONDITIONS DURING TEST</b>				
Ambient Temperature	: 28°C ± 2°C	± 2	Relative Humidity	40 %RH ± 10 %RH

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

**TRACEABILITY**  
 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.

<b>REFERENCE EQUIPMENT USED :</b>			
DESCRIPTION	SERIAL NO.	Make	Valid Until
Gas Cylinder (25PPM H2S)&(50% LEL)	WO463909-1	CALGAZ	July 31, 2026

<b>CALIBRATION TEST RESULTS</b>				
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