

Certificate of Calibration

Al Takamul Yard, North Rumailah South Iraq

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Date of Issue:

May 24, 2025

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REQUEST NUMBER : By Contract JOB NUMBER : QC-CAL-25205 CERTIFICATE NUMBER : QC-CAL-25205-01	APPROVED BY LAB INCHARGE QC 
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CUSTOMER DETAILS

Name : **Daqing Drilling Company Iraq**
 Address : South Rumaila South Iraq
 Rig : DQ022

EQUIPMENT IDENTIFICATION AND SPECIFICATIONS

Description : **Fixed Gas System**
 Manufacturer : Status Scientific
 GMP SN#1 : G0001063
 GMP SN#2 : G0001719
 Type : Digital
 Calibrated Range : 25 PPM H2S 50% LEL
 Calibrated By : Hussein Alaa
 Calibration Date : May 24, 2025
 Calibration Due : **August 23, 2025**



Serial Number	Sensor Type	Manufacturer
40856	H2S	Celler
4049	H2S	Shale Shaker
12656	H2S	Rig Floor
4407	H2S	Roatery Table
11928	LEL	Celler
13836	LEL	Shale Shaker
12869	LEL	Rig Floor
11929	LEL	Roatery Table

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

Tested and found OK

ENVIRONMENTAL CONDITIONS DURING TEST

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.

REFERENCE EQUIPMENT USED :

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	24.8	25.0	-0.2	± 1
H2S PPM	25.0	25.0	0.0	± 1
Methane(LEL)%	50.0	50.0	0.0	± 1
Methane(LEL)%	50.1	50.0	0.1	± 1
Methane(LEL)%	49.9	50.0	-0.1	± 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