

## Certificate of Calibration

Al Takamul Yard, North Rumailah South Iraq

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

**Date of Issue:**

May 14, 2024

Page 1 of 1

REF NUMBER	: By Contract	APPROVED BY	CALIBRATION CHARGE QC
Job No #	: QC/JN/24/00214		
CERTIFICATE NUMBER	: QC240514-01		


**CUSTOMER DETAILS**

**Name** Daqing Drilling Company IRAQ  
**Address** Basra, South Iraq  
**Rig** DQ1202

**EQUIPMENT IDENTIFICATION AND SPECIFICATIONS**

**Description** Fixed H2S & LEL Gas Detection System  
**Manufacturer** Status Scientific Controls  
**Model / Type** LC8 / Digital  
**Serial Number (LEL Panel)** G0001798  
**Calibrated Range** 25 PPM H2S 50% LEL  
**Calibrated By** Asjad Rafiq  
**Calibration Date** May 14, 2024  
**Calibration Due** August 13, 2024



Serial Number	Sensor Type	Location	Manufacturer	Model
13833	H2S	Cellar	Status Scientific Controls	FGD10B
40807	H2S	Shale Shaker	Status Scientific Controls	FGD10B
13779	H2S	Rig Floor	Status Scientific Controls	FGD10B
13777	H2S	Bell Nipple	Status Scientific Controls	FGD10B
40851	LEL	Cellar	Status Scientific Controls	FGD10B
13846	LEL	Shale Shaker	Status Scientific Controls	FGD10B
13852	LEL	Rig Floor	Status Scientific Controls	FGD10B
13862	LEL	Bell Nipple	Status Scientific Controls	FGD10B

**ENVIRONMENTAL CONDITIONS DURING TEST**

Ambient Temperature : 34°C ± 2°C Humidity : 30.0 ± 5 % 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
Multigas Calibration cylinder	950-106554	CALGAZ	21/08/2025

**CALIBRATION TEST RESULTS**

Sensor Location	Applied Gas		Values of UUC	Error in Reading of UUC	Alarm	Uncertainty of Measurement
Cellar	H2S PPM	25	25.0	0.0	5	± 1
Bell Nipple	H2S PPM	25	25.0	0.0	5	± 1
Rig Floor	H2S PPM	25	24.0	-1.0	5	± 1
Shale Shaker	H2S PPM	25	25.0	0.0	5	± 1
Cellar	LEL %	50	50.0	0.0	10	± 1
Bell Nipple	LEL %	50	49.0	-1.0	10	± 1
Rig Floor	LEL %	50	49.0	-1.0	10	± 1
Shale Shaker	LEL %	50	50.0	0.0	10	± 1

Alarm	H2S 5PPM	LEL 10%	Tested and found OK
-------	----------	---------	---------------------