

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: July 4, 2025

Page 1 of 1

REQUEST NUMBER	: By Contract	APPROVED BY LAB IN CHARGE QC
JOB NUMBER	: QC-CAL-25246	
CERTIFICATE #	: QC-CAL-25246-01	Asjad Alamy

CUSTOMER DETAILS

Name : **Daqing Drilling Company Iraq**
 Address : North Rumaila South Iraq
 Rig : DQ011 (Mud Logger)

EQUIPMENT IDENTIFICATION AND SPECIFICATIONS

Description : **Fixed Gas System**
 Manufacturer : MC
 Type : Digital
 Calibrated Range : 25 PPM H2S 50% LEL
 Calibrated By : Abdulrahman Loay
 Calibration Date : July 4, 2025
 Calibration Due : **October 3, 2025**



ENVIRONMENTAL CONDITIONS DURING TEST

Ambient Temperature : 28°C ± 2°C ± 2 Relative Humidity 40 %RH ± 10 %RH

CALIBRATION METHOD

EL & 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
Calibration Gas Cylinder (H2S)	C011126	CALGAZ	April 30, 2026
Calibration Gas Cylinder (LEL)	C011918	CALGAZ	September 26, 2026

CALIBRATION TEST RESULTS

Sensor Type	Serial Number	Location	Values of UUC	Values on Reference Standard	Error in Reading of UUC	Uncertainty of Measurement
H2S	13776	Shale Shaker	25 PPM	25 PPM	0 PPM	±1
H2S	5119	Rig Floor	24.5 PPM	25 PPM	0.5 PPM	±1
H2S	13775	Bell Nipple	25 PPM	25 PPM	0 PPM	±1
H2S	5111	Celler	25 PPM	25 PPM	0 PPM	±1
H2S	200312X-041	Back Up	25 PPM	25 PPM	0 PPM	±1
H2S	100635X-235	Back Up	25 PPM	25 PPM	0 PPM	±1
H2S	05117-15	Back Up	25 PPM	25 PPM	0 PPM	±1
LEL	350-101869	Shale Shaker	50%	50%	0.00 %	±1
LEL	D06E000123A3	Rig Floor	50%	50%	0.00 %	±1
LEL	D0410608D3	Bell Nipple	50%	50%	0.00 %	±1
LEL	D0410030B7	Celler	49.5%	50%	0.50 %	±1
LEL	D071100183E9	Back Up	50%	50%	0.00 %	±1
LEL	D071100102E8	Back Up	50%	50%	0.00 %	±1
LEL	D071100116E8	Back Up	50%	50%	0.00 %	±1

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

The Result :

Calibration results were found to conform as per specified accuracy requirements. Above Instrument has **PASSED** its Calibration.