QUALITY CONTROL

Al Takamul Company For Engineering Services
Quality Control – Iraq

Certificate of Calibration

AlTakamul Yard, North Rumaila-South Iraq

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REQUEST NUMBER	:	By Contract	APPROVED BY LAB INCHARGE-QC
JOB NUMBER	:	QC-CAL-25247	
CERTIFICATE NUMBER	:	QC-CAL-25247-04	

CUSTOMER DETAILS

Name	:	**Daqing Drilling Company Iraq**
Address	:	South Rumaila South Iraq
Rig	:	DQ012 (Mud Logger)

EQUIPMENT IDENTIFICATION AND SPECIFICATIONS

Description	:	**H2S Portable Sensor**
Manufacturer	:	HONEYWELL
Model	:	BW CLIP H2S
Serial Number	:	5220BWC01231907850
Type	:	Digital
Calibrated Range	:	25 PPM H2S
As found	:	Good
Calibrated By	:	Abdulrahman Loay
Calibration Date	:	July 4, 2025
Calibration Due	:	**October 3, 2025**

Alarm Details	Low	High
H2S PPM	10	15

ENVIRONMENTAL CONDITIONS DURING TEST

Ambient Temperature	:	28 °C	±	2 °C
Relative Humidity	:	30 %RH	±	5 %RH

CALIBRATION METHOD

A reference cylinder consisting of Sulpher Dioxide (H2S) Gas is used , which are detected by gas detector by diffusion.

TRACEABILITY

The measurements made by QC Calibration & Testing Labs are traceable to NIST, vide Calgaz 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
Gas Calibration cylinder (25 PPM H2S)	C011126	CALGAZ	April 30, 2026

CALIBRATION TEST RESULTS

Gas Name	Values of UUC	Values on Reference Standard	Error in Reading of UUC	Uncertainty of Measurement
H2S Gas (25 ppm)	25.0	25	0	± 0.2

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

- ☑ The results are as found (no adjustment done).
- ☐ The results are post adjustment.