

Certificate of Calibration

AlTakamul Yard, North Rumaila-South Iraq

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Date of Issue:

February 18, 2024

Page 1 of 1

REQUEST NUMBER	By Mail	APPROVED
JOB NUMBER	QC/JN/24/0024	LAB. NO. RANGE-QC
CERTIFICATE NUMBER	QC240218-11	TEST 2


CUSTOMER DETAILS

Name : **Daqing Drilling Company IRAQ**
 Address : Basra, South Iraq
 Rig : DQ011

EQUIPMENT IDENTIFICATION AND SPECIFICATIONS

Description : **Portable H2S Gas Detector**
 Manufacturer : HONEYWELL
 Model : NEOTRONICS IMPULSE XP
 Serial Number : X12340137
 Type : Digital
 Calibrated Range : 25 PPM H2S
 As found : Good
 Calibrated By : Mahdi Haleem
 Calibration Date : February 18, 2024

Alarm Details	Low	High
H2S PPM	10	15


Calibration Due

May 17, 2024

3 Months Validity from the date of Calibration

ENVIRONMENTAL CONDITIONS DURING TEST

Ambient Temperature : 20 °C ± 2 °C
 Relative Humidity : 30 %RH ± 5 %RH

CALIBRATION METHOD

A reference cylinder consisting of Hydrogen Sulfid (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
H2S Gas (25 ppm)	955-545316	CALGAZ	1/3/2025

CALIBRATION TEST RESULTS

Gas Name	Values of UUC	Values on Reference Standard	Error in Reading of UUC	Uncertainty of Measurement
H2S Gas (25 ppm)	26.0	25	-1.0	± 0.2

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