

## Certificate of Calibration

AlTakamul Yard, North Rumaila-South Iraq

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Date of Issue:

May 26, 2024

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REQUEST NUMBER	By Mail	APPROVED
JOB NUMBER	QC/JN/24/00223	TABLE
CERTIFICATE NUMBER	QC240526-01	QUALITY CONTROL

### CUSTOMER DETAILS

Name : Zhongman Petroleum Engineering  
Address : Basra, South Iraq  
Rig : ZPEC025

### EQUIPMENT IDENTIFICATION AND SPECIFICATIONS

Description : **Portable H2S Gas Sensor**  
Manufacturer : HONEYWELL  
Model : BW Clip  
Serial Number : 5220BWC01221316019  
Type : Digital  
Calibrated Range : 25 PPM H2S  
As found : Good  
Calibrated By : Asjad Rafiq  
Calibration Date : May 26, 2024

Alarm Details	Low	High
H2S PPM	10	15

**Calibration Due**

August 25, 2024

3 Months Validity from the date of Calibration

### ENVIRONMENTAL CONDITIONS DURING TEST

Ambient Temperature : 22 °C ± 2 °C  
Relative Humidity : 30 %RH ± 5 %RH

### CALIBRATION METHOD

A reference cylinder consisting of Sulphur 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
Multigas Calibration cylinder (25 PPM H2S)	950-106554	CALGAZ	21/08/2025

### CALIBRATION TEST RESULTS

Gas Name	Values of UUC	Values on Reference Standard	Error in Reading of UUC	Uncertainty of Measurement
H2S Gas (25 ppm)	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.