

## Certificate of Calibration

AlTakamul Yard, North Rumaila-South Iraq

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

Date of Issue:

September 19, 2024

Page 1 of 1

REQUEST NUMBER	By Contract	APPROVED FOR CALIBRATION
JOB NUMBER	QC/JN/24/00357	CAL
CERTIFICATE NUMBER	QC240919-08	TEST 2



### CUSTOMER DETAILS

Name : Hilong Oil Service & Engineering Company  
Address : Basra - Iraq  
Rig : HL99

### EQUIPMENT IDENTIFICATION AND SPECIFICATIONS

Description : **Portable H2S Gas Sensor**  
Manufacturer : MSA  
Model : ALTAIR 2X  
Serial Number : 00114591  
Type : Digital  
Calibrated Range : 25 PPM H2S  
As found : Good  
Calibrated By : Hussein Alaa  
Calibration Date : September 19, 2024  
**Calibration Due** : **March 18, 2025**

Alarm Details	Low	High
H2S PPM	10	15



### 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.

