

Al Takamul Company For Engineering Services Quality Control - Iraq

APPROVED 1

Certificate of Calibration

AlTakamul Yard, North Rumaila-South Iraq

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May 26, 2024 REQUEST NUMBER By Mail QC/JN/24/00223 JOB NUMBER QC240526-11

ERTIFICATE NUMBER CUSTOMER DETAILS

Date of Issue:

: Zhongman Petroleum Engineering Name

Address : Basra, South Iraq : ZPEC025 Rig

EQUIPMENT IDENTIFICATION AND SPECIFICATIONS

Portable H2S Gas Sensor Description

HONEYWELL Manufacturer

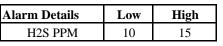
Model Lumidor Minimax XP

X22020446 Serial Number Type Digital

25 PPM H2S Calibrated Range

As found Good Calibrated By Asjad Rafiq May 26, 2024 Calibration Date

August 25, 2024 **Calibration Due** 3 Months Validity from the date of Calibration





GE-OC

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ENVIRONMENTAL CONDITIONS DURING TEST

22 °C Ambient Temperature 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
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.













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