

Al Takamul Company For Engineering Services Quality Control – Iraq

Certificate of Calibration

AlTakamul Yard, North Rumaila-South Iraq

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29, 2024

Alarm Details

Oxygen (O2) %

H2S-ppm

CH4-%LEL

CO-ppm

Low

19.5

5

10

35

High

23.5

10

20

200

Date of Issue: April 29, 2024

REF NUMBER : By Contract

Job No # : QC/JN/24/00195

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CERTIFICATE NUMBER : QC240429-04

CUSTOMER DETAILS

Name Honghua Oil & Gas Engineering Services Limited

Address Basra, South Iraq

Rig HH029

EOUIPMENT IDENTIFICATION AND SPECIFICATIONS

Description : Multigas Detector

Manufacturer : Honeywell BW

Model : GasAlert Max XT II

Serial Number : MA221-020442

Type : Digital

Calibrated Range : 25 PPM H2S 100 PPM CO

18.0% O2 50% LEL

Calibrated By : Asjad Rafiq
Calibration Date : April 29, 2024
Calibration Due : July 28, 2024

ENVIRONMENTAL CONDITIONS DURING TEST

Ambient Temperature : 22 °C \pm 2 °C Relative Humidity : 45 %RH \pm 5 %RH

CALIBRATION METHOD

A reference cylinder consisting of composition gases (O2, LEL, H2S, CO) 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 :

REFERENCE EQUI MENT OBED:					
DESCRIPTION	SERIAL NO.	MAKE	GAS EXPIRY DATE		
Multigas Calibration cylinder	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
Oxygen(O2)%	18.0	18.0	0	± 1
Methane(CH4) LEL	50	50	0	± 1
Carbon Monoxide(CO) ppm	100	100	0	± 1
Hydrogen Sulphide(H2S) ppm	25	25.0	0	± 1

Results:

The above Value Indicates That the Instrument complies with the Specified Maximum Permissible error tolerance.

At The Time of Calibration. and ready for use.

The reported expanded uncertainty is based on a standard uncertainty multiplied by a coverage factor k=2, providing a level of confidence of approximately 95%. The uncertainty evaluation has been carried out in accordance with international practice.

DEVIATION FROM STANDARD METHOD: Non

REMARK (S):

The results are as found (no adjustment done).

The results are post adjustment.















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