ABERDEEN TECHNICAL SERVICES

Certificate of Calibration

Iraq- Basra- Jaza'er, Field : North Rumela
●Phone : + 964 7833334444 ● www.aberdeents.com ● E-mail: akader@aberdeents.com

Date of Issue: July 27, 2023

REF NUMBER	: By contract
ADDRESS	: QC/JN/23/00260
CERTIFICATE NUMBER	: **QC230727-03**

APPROVED BY CALIBRATION LAB INCHARGE QC

Alabdi Haleem

CUSTOMER DETAILS

Name	**DPAB Co.Ltd Iraq Branch Block-9**
Address	Basra - Iraq, Block 9
Rig	**DQ41**

EQUIPMENT IDENTIFICATION AND SPECIFICATIONS

Description	**Multigas Detector**
Manufacturer	BW
Model	MicroClip XL
Serial Number	**KA430-80143281**
Type	Digital
Calibrated Range	25 PPM H2S 100 PPM CO 50% LEL
	18.0% O2
Calibrated By	Asjad Rafiq
Calibration Date	July 27, 2023
Calibration Due	**January 26, 2024** **180 days**
Calibration Site	ABERDEEN Labs North Rumailah, Iraq

Alarm Details	Low	High
Oxygen (O2) %	err	err
H2S-ppm	10	15
CH4-%LEL	10	20
CO-ppm	35	200

ENVIRONMENTAL CONDITIONS DURING TEST

Ambient Temperature	:	22 °C	±	2 °C
Relative Humidity		45 %RH	±	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 Intermountain Speciality Gases 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
Mixture of Gases.	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
Oxygen(O2)%	err	err	Err	± er
Methane(CH4) LEL	50.00	50.00	0.00	± 1
Carbon Monoxide(CO) ppm	100.00	100.00	0.00	± 1
Hydrogen Sulphide(H2S) ppm	25.00	25.00	0.00	± 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, **except the error in O2 reading which it's can't be used in confined spaces.**