


Certificate of Calibration

Al Takamul Yard, North Rumailah South Iraq

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

Date of Issue: October 10, 2024 Page 1 of 1

REF NUMBER : By Contract	APPROVED BY CALIBRATION SUPERVISOR INCHARGE QC
Job No # : QC/JN/24/00380	
CERTIFICATE NUMBER : QC241010-01	

CUSTOMER DETAILS	
Name	Halliburton Worldwide IRAQ (Sperry)
Address	Western Burjesia, Oil Street, District Zubair-South Iraq
Rigsite	ZPEC023

EQUIPMENT IDENTIFICATION AND SPECIFICATIONS	
Description	10 Gas Sensors
Type	Digital
Calibrated Range	40 PPM H2S 50% LEL
Calibrated By	Hussein Alaa
Calibration Date	October 10, 2024
Calibration Due	January 9, 2025



Serial Number	Sensor Type	Location	Model	Manufacturer
G21-402209276-10-003	H2S	Shaker	Ultima XE	MSA
B22-402321480-10-009	H2S	Celler	Ultima XE	MSA
K21-402321477-10-007	H2S	Bell Nipple	Ultima XE	MSA
B22-402321480-10-001	H2S	Rig Floor	Ultima XE	MSA
A15-40013193-10-001	LEL	Shaker	Ultima XE	MSA
A20-401750165-10-003	LEL	Celler	Ultima XE	MSA
A17-400767645-10-001	LEL	Bell Nipple	Ultima XE	MSA
B15-401094266-10-006	LEL	Rig Floor	Ultima XE	MSA
A17-400763141-10-005	LEL	Spare	Ultima XE	MSA
K19-401702086-10-009	H2S	Spare	Ultima XE	MSA

ENVIRONMENTAL CONDITIONS DURING TEST				
Ambient Temperature	:	34 °C	±	2 °C
Relative Humidity	:	30 %RH	±	5 %RH

CALIBRATION METHOD
 Reference cylinders consisting of gases LEL & H2S is used , which are detected by gas detector by diffusion.

TRACEABILITY
 The measurements made by Quality Control, 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	Valid Until
Calibration Gas Cylinder (40PPM H2S)	555894	Gulf Cryo	25-Dec-2024
Calibration Gas Cylinder (50% LEL)	140188	Bristol	26-Oct-2024

Applied Gas	Values of UUC	Values on Reference Standard	Error in Reading of UUC	Uncertainty of Measurement
Methane(LEL)%	50.0	50	0.0	± 1
Methane(LEL)%	51.0	50	1.0	± 1
Methane(LEL)%	50.0	50	0.0	± 1
Methane(LEL)%	50.0	50	0.0	± 1
Methane(LEL)%	50.0	50	0.0	± 1
H2S PPM	40.7	40	0.7	± 1
H2S PPM	40.2	40	0.2	± 1
H2S PPM	40.2	40	0.2	± 1
H2S PPM	40.0	40	0.0	± 1
H2S PPM	39.9	40	-0.1	± 1