



CERTIFICATE OF CALIBRATION

Issued By: **Vericas Integrated Services Limited**
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Client: **ELSHCON NIGERIA LIMITED**
Trans-Woji Road PH Rivers State.

Certificate Number:
VISL-CAS-18-031

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Date Calibrated: 23 December, 2018.
Due Date: 22 June, 2019
Calibration Validity: Six (6) Months

Environmental Conditions:
Temperature: 25°C ±2°C
Relative Humidity: 76% ±20%

Instrument:
Description: Portable Gas Detector
Manufacturer: MSA
Model: Altair 4X
Serial Number: 00216206

Calibration Method & Standard:

Direct Comparison Adjustment with Standard Calibration Gas Mixture (MSA) Traceable to NIST.

Calibration Data

CHANNEL NO.	GAS NAME	UNITS	MEASUREMENT RANGE	STANDARD CALIBRATION GAS	RESOLUTION	ALARM 1	ALARM 2	STEL	TWA
1	LEL (CH4)	%LEL	0-100%LEL	50	1%LEL	10	20	-	-
2	OXYGEN (O2)	%VOL	0-25%Vol.	18.0	0.1%	19.5	23.0	-	-
3	HYDROGEN SULPHIDE (H2S)	PPM	0-100PPM	15	1PPM	10	15	15	10
4	CARBON MONOXIDE (CO)	PPM	0-2000PPM	50	1PPM	25	100	100	25

Zero Calibration: Pass
Calibration Result: Pass
Alarms: OK

DISPLAY	RANGES
OK	OK

Calibrated By:

Izevbekhai O. Gabriel
Calibration Engineer.



Remark: Equipment is fit for Purpose

This certificate provides traceability of measurement to recognized NIST.
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