



# CERTIFICATE OF CALIBRATION

Issued By: Vericas Integrated Services Limited

2 Peace Valley Estates Woji Port Harcourt

Email: [vericasintegrated@yahoo.com](mailto:vericasintegrated@yahoo.com)

Phone: +234-7036091657, +234-8120023534

**Client:** ELSHCON NIGERIA LIMITED  
GRA, PH Rivers State.

**Certificate Number:**  
VISL-CAS-18-019

Page 1 of 1

**Date Calibrated:** 03 May 2018.  
**Due Date:** 02 November 2018  
**Calibration Validity:** Six (6) Months

**Environmental Conditions:**

Temperature: 25°C ±2°C

Relative Humidity: 76% ±20%

**Instrument:**

Description:	Breath Analyzer
Manufacturer:	Kangfu Medical Equipment
Model:	KF-100AT
Serial Number:	N/A
Range:	0.00 – 1.9%BAC (0.0 – 1.9g/l)

**Calibration Method & Standard:**

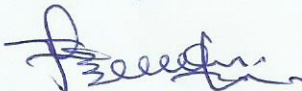
Direct Comparison with Dry Gas Standard Mixture (LIFELOC) Traceable to NIST.

**Calibration Data**

SET NO.	DRY GAS CONCENTRATION	UUT VALUE (%BAC)	UUT VALUE (g/l)	ALARM
1	0.00%BAC	0.00	0.0	No Alarm
2	0.5%BAC	0.49	4.9	Audible Alarm
DISPLAY		OK		
RANGE		OK		
ALARM		OK		

**Calibrated By:**

**Remark:** Equipment is fit for Purpose

  
Izevbekhai O. Gabriel  
Calibration Expert



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Page 1 of 1

**Date Calibrated:** 03 May 2018.  
**Due Date:** 02 November 2018  
**Calibration Validity:** Six (6) Months

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

**Instrument:**  
Description: Breath Analyzer  
Manufacturer: Kangfu Medical Equipment  
Model: KF-100AT  
Serial Number: N/A  
Range: 0.00 – 1.9%BAC (0.0 – 1.9g/l)

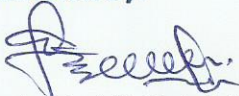
## Calibration Method & Standard:

Direct Comparison with Dry Gas Standard Mixture (LIFELOC) Traceable to NIST.

## Calibration Data

SET NO.	DRY GAS CONCENTRATION	UUT VALUE (%BAC)	UUT VALUE (g/l)	ALARM
1	0.00%BAC	0.00	0.0	No Alarm
2	0.5%BAC	0.49	4.9	Audible Alarm
DISPLAY		OK		
RANGE		OK		
ALARM		OK		

**Calibrated By:**

  
Izevbekhai O. Gabriel  
Calibration Expert

**Remark:** Equipment is fit for Purpose



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GRA, PH Rivers State.

**Certificate Number:**  
VISL-CAS-18-018

Page 1 of 1

**Date Calibrated:** 03 May 2018.  
**Due Date:** 02 November 2018  
**Calibration Validity:** Six (6) Months

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

**Instrument:**  
Description: Portable Gas Detector  
Manufacturer: Drager  
Model: x-am 2500  
Serial Number: ARHB-4617

## Calibration Method & Standard:

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

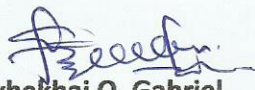
## Calibration Data

CHANNEL NO.	GAS NAME	UNITS	MEASUREMENT RANGE	STANDARD CALIBRATION GAS	RESOLUTION	ALARM 1	ALARM 2	STEL	TWA
1	LEL (CH <sub>4</sub> )	%LEL	0-100%LEL	50	1%LEL	10	20	-	-
2	OXYGEN (O <sub>2</sub> )	%VOL	0-25%Vol.	18.0	0.1%	19.5	23.0	-	-
3	HYDROGEN SULPHIDE (H <sub>2</sub> S)	PPM	0-100PPM	15	1PPM	10	15	15	10
4	CARBON MONOXIDE (CO)	PPM	0-2000PPM	50	1PPM	35	50	50	35

Zero Calibration: Successful  
Calibration Result: Successful  
Alarms: OK

DISPLAY	RANGES
OK	OK

**Calibrated By:**

  
Izevbekhai O. Gabriel  
Calibration Expert



**Remark:** Equipment is fit for Purpose

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**Client: ELSHCON NIGERIA LIMITED**  
Trans-Woji Road PH Rivers State.

Certificate Number:  
VISL-CAS-18-023

Page 1 of 1

**Date Calibrated:** 29 June, 2018.  
**Due Date:** 28 December 2018  
**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**

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