

# BNL BETASH NIGERIA LIMITED

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52 TRANS AMADI INDUSTRIAL LAYOUT  
PORT HARCOURT  
RIVERS STATE.

## CALIBRATION CERTIFICATE

CLIENT: TAMROSE LIMITED

DATE OF ISSUE: 24<sup>th</sup> August, 2022

Cert. No: BNL/TL/GD/07<sup>A</sup>-22

Validity:

This Certificate is valid for a period of SIX months

NEXT DUE DATE:

23<sup>rd</sup> February, 2023

UNIT UNDER TEST (UUT):

DESCRIPTION:

Multi Gas Detector

MAKE:

MSA

MODEL:

ALTAIR 5X

SERIAL NO:

00073161

IDENT NO:

TL/GD/07

CAL. METHOD:

Portable Software & Gas Mixture

## CALIBRATION DATA

SENSOR	SENSOR 1	SENSOR 2	SENSOR 3	SENSOR 4	SENSOR 5
TYPE:	CH4	02	CO	H2S	NIL
RANGE	0-100%LEL	0-25%VOL	0-200PPM	0-100PPM	
UNIT	%LEL	%VOL	PPM	PPM	NIL
ALARM 1	10	19.5	30	10	NIL
ALARM 2	20	23.0	100	15	NIL
SHORT TWA	0.00	0.00	100	15	NIL
LONG TWA	0.00	0.00	30	10	NIL
CAL. GAS	50.0% LEL	15.0%VOL	60.0 PPM	20.0PPM	NIL
CAL. READING	50.0% LEL	15.0%VOL	60.0 PPM	20.0PPM	NIL
RESULT	PASS	PASS	PASS	PASS	NIL
CALIBRATION GAS:	MIXED GAS	MIXED GAS	MIXED GAS	MIXED GAS	NIL
CAL. GAS SERIAL NO:	Wo246556-3	Wo246556-3	Wo246556-3	Wo246556-3	NIL
Zero on start up	On				
Confidence Blip	On				
Language	English (UK)				
Pump	On				

## TRACEABILITY

INSTRUMENT USED	MODEL NO	S/N	PART NO	EXPIRATION
Gas Bottle/Set Portable	Quad Gas Bottle	Wo246556-3	C011918	22/Dec/2023

This certificate confirmed that the calibration of this instrument is in accordance with BS EN ISO 1002:2003/BS EN ISO 9001:2008 certified qualified system and instructions referred to in OSHA recommendations. The Standard Calibration gas Mixtures is traceable to NIST and have been prepared in accordance with BS 4559 and national standards.

Calibrated By: Maro Emiewhe  
MSA Cert

Acceptable

*Maro Emiewhe*  
24/08/22



Department Of Petroleum Resources  
PERMIT NO: DPR/OGISP/20/1730288/N199823  
DPR/OGISP/20/1766626/N199274