

BNL BETASH NIGERIA LIMITED

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52 TRANS AMADI INDUSTRIAL LAYOUT
PORT HARCOURT
RIVERS STATE.

CALIBRATION CERTIFICATE

CLIENT: TAMROSE VENTURES LTD

DATE OF ISSUE: 29th October, 2019

Cert. No: BNL/TVL/GD/07^A-19

Validity: This Certificate is valid for a period of SIX months
NEXT DUE DATE: 28th April, 2020

UNIT UNDER TEST (UUT):

DESCRIPTION: Multi Gas Detector

MAKE: MSA

MODEL: ALTAIR 5X

SERIAL NO: 00073161

IDENT NO: TVL/GD/07

CAL. METHOD: Portable Software & Gas Mixture

CALIBRATION DATA

SENSOR	SENSOR 1	SENSOR 2	SENSOR 3	SENSOR 4	SENSOR 5
TYPE:	CH4	O2	CO	H2S	NIL
RANGE	0-100%LEL	0-25%VOL	0-500PPM	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	56	15.0	50	15	NIL
CAL. READING	50.0% LEL	15.0%VOL	50.0 PPM	15.0PPM	NIL
RESULT	PASS	PASS	PASS	PASS	NIL
CALIBRATION GAS:	MIXED GAS	MIXED GAS	MIXED GAS	MIXED GAS	NIL
CAL. GAS SERIAL NO:	562330	562330	562330	562330	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	562330	412128	Dec. 2020

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: SAMUEL WONWU
MSA Cert

Acceptable

Samuel Wonwu
29/10/2019

