

CERTIFICATION OF CALIBRATION

Date Of Calibration: 20-Mar-2017 Certificate Number: G502031_1/18110



Geotech

ISSUED BY: GEOTECHNICAL INSTRUMENTS (UK) LTD

Customer: Brownfield Solutions Ltd

William Smith House 173-183 Witton Street Northwich
Cheshire CW9 5LP UNITED KINGDOM

Description: Gas Analyser

Model: GA5000

Serial Number: G502031

BSL 2.

UKAS Accredited results:

Results after adjustment :

Methane (CH ₄)		
Certified Gas (%)	Instrument Reading (%)	Uncertainty (%)
5.1	5.1	0.41
15.0	15.1	0.64
50.0	49.6	0.94

Carbon Dioxide (CO ₂)		
Certified Gas (%)	Instrument Reading (%)	Uncertainty (%)
5.1	4.8	0.43
15.0	14.6	0.70
50.0	49.9	1.1

Oxygen (O ₂)		
Certified Gas (%)	Instrument Reading (%)	Uncertainty (%)
21.0	21.1	0.31

The inwards assessment was carried out 13-Mar-2017.

The maximum adjustment is larger than the inwards assessment uncertainty.

Inwards assessment data is available if requested.

All concentrations are molar.

CH₄, CO₂ readings recorded at : 30.1 °C ± 1.5 °C

O₂ reading recorded at : 20.9 °C ± 1.5 °C

Barometric Pressure : 0994 mbar ± 3 mbar

Method of Test : The analyser is calibrated in a temperature controlled chamber using a series of reference gases, in compliance with procedure LP004.

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Page 1 of 2 | LP015GIUKAS-2.2