

CERTIFICATION OF CALIBRATION



ISSUED BY: GEOTECH LABORATORY

Date Of Calibration: 10-Jun-2013

Certificate Number: IN04410_3/11114

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Approved by Signatory

GEM SCIENTIFIC

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Dawn Hemings
Laboratory Inspection

Customer: *Gem Scientific Ltd*
Unit 301, Batley Ent. Centre
513 Bradford Road
BATLEY
West Yorkshire
WF17 8LL
UNITED KINGDOM

Description: Gas Analyser

Model: G100

Serial Number: IN04410

Carbon Dioxide (CO ₂)	
Certified Gas (%)	Instrument Reading (%)
10.0	10.0
2.5	2.4
5.0	4.9

Oxygen (O ₂)	
Certified Gas (%)	Instrument Reading (%)
20.9	20.9

Barometer (mbar)	
Reference	Reading
1008	1008

All concentrations are molar.

CO₂ readings recorded at : 30.0 °C

O₂ readings recorded at : 20.5 °C

Barometric Pressure : 1008 mbar

Method of Test: The analyser is calibrated in a temperature controlled chamber using reference gases, providing traceability of measurement to recognised international standards.

Calibration Passed: Reported calibration readings are within the manufacturer specification.

End of Certificate