



SGS Nederland BV
Leemansweg 51
6827 BX Arnhem
The Netherlands

Ecosecurities
Attn. Mr. S. Abrams
Parc Central
40-41 Parc End Street
Oxford, OX1 JD

Date : 19th March 2009
Our ref : CWo/09/002691.1

Handled by : Charlotte Wösten
Telephone : +31 – 26 384 45 00
Fax : +31 – 26 442 94 10
Email : charlotte.wosten@sgs.com
Project : ISO 14956 testing of an ADC MGA3000 N₂O monitor

Dear Mr. Abrams

SGS has witnessed the QAL1 testing process at ADC, Unit 35, Hoddesdon Industrial Centre, Pindar Road Hoddesdon, Hertfordshire EN11 OFF England. The tests were performed by Mr. David Booth and Mr. Tony Wilkins on March 19, 2009.

We can confirm that the QAL1 certificates have been established on data that are relevant, accurate, transparent and consistent.

The calculation methodology is in line with the QAL1 certificate template that has been developed and tested by Netherlands authorities.

SGS Nederland BV hereby declares that the Quality Assurance Level 1 (QAL1) calculations performed by ADC Gas Analysis is in accordance with the requirements of EN 14181 and ISO 14956

Yours sincerely,
SGS Nederland BV

Charlotte Wösten,
Technical Manager

App: - Certificate of compliance with QAL1 calculation

Certificate of Compliance with QAL1 Calculation

SGS Nederland BV hereby declares that the Quality Assurance Level 1 (QAL1) calculations performed by ADC Gas Analysis is in accordance with the requirements of EN 14181 and ISO 14956. SGS has completed testing to confirm the uncertainty calculation (according to ISO 14956). The results are presented below.

Instrument:	NDIR N ₂ O analyser
Brand:	ADC
Model:	MGA 3000
Measurement range	0 – 3,000 ppmv
Test locations:	Tianji nitric acid line 13A, Chemical Group, Shaanxi province, China ADC, Unit 35, Hoddesdon Industrial Centre, Pindar Road Hoddesdon, Hertfordshire EN11 0FF England

The calculated uncertainty (CI95%) during the QAL1 is less than the first expected 8.9%.

The measurement system fulfils the requirements of QAL1 according to EN 14181 and EN ISO 14956.

Signed by,



Charlotte Wösten
Technical Manager

SGS Nederland BV and the business line Environmental Services included is ISO-9001:2000 certified for testing, sampling and consulting under no. RPS/CER-03.324K.R01. The quality of our lab testing services are covered by our NEN-EN- ISO/IEC 17025:2000 accreditation number L-092 (see www.RvA.nl).