

## LABORATORY ANALYSIS REPORT

### NITROGEN DIOXIDE IN DIFFUSION TUBES BY U.V.SPECTROPHOTOMETRY

**REPORT NUMBER** H00122R  
**BOOKING IN REFERENCE** H00122  
**DESPATCH NOTE** SOR009246  
**CUSTOMER** South Holland District Council Attn: Jeanette Reith  
Environmental Health Dept.,  
Pollution Control,  
Council Offices, Priory R  
Spalding, Lincs.  
PE11 2XE

**DATE SAMPLES RECEIVED** 07/01/2013

Location	Sample Number	Exposure Data		Time (hr.)	$\mu\text{g}/\text{m}^3$ *	ppb *	TOTAL
		Date On	Date Off				$\mu\text{g NO}_2$
21 Millfield	075370	28/11/2012	02/01/2013	839.67	21.46	11.20	1.31
Nutten Stoven	075369	28/11/2012	03/01/2013	864.58	16.93	8.84	1.06
Priory Rd	075368	28/11/2012	03/01/2013	864.42	23.70	12.37	1.49
46 The Hollies	075367	28/11/2012	03/01/2013	864.00	22.53	11.76	1.41
Station Road	075366	28/11/2012	02/01/2013	837.67	21.17	11.05	1.29
103 Boston Road	075365	28/11/2012	03/01/2013	864.25	26.19	13.67	1.65
Field End	075364	28/11/2012	03/01/2013	865.67	21.28	11.11	1.34
Westmere	075363	28/11/2012	03/01/2013	865.58	16.78	8.76	1.06
Westmere 1	075362	28/11/2012	03/01/2013	865.58	19.19	10.02	1.21
Westmere 2	075361	28/11/2012	03/01/2013	865.58	19.62	10.24	1.23
Metalair	075360	28/11/2012	03/01/2013	865.58	26.69	13.93	1.68
Blank	075359	28/11/2012	02/01/2013	840.00	0.24	0.13	0.01
Pinchbeck Road	075358	28/11/2012	02/01/2013	835.17	37.59	19.62	2.28
Springfields	075357	28/11/2012	03/01/2013	867.50	30.49	15.91	1.92
Pinchbeck Road	075356	28/11/2012	02/01/2013	835.25	30.37	15.85	1.84
Donington	075355	28/11/2012	02/01/2013	836.83	20.51	10.71	1.25
High Street	075354	28/11/2012	03/01/2013	864.42	29.59	15.44	1.86
BP Garage	075353	28/11/2012	02/01/2013	839.83	30.07	15.70	1.84
Laboratory Blank				867.50	0.71	0.37	0.045

**Comment: Results are not blank subtracted**

**Results have been corrected to a temperature of 293 K (20°)**

**Overall M.U.** 7.8% +/-

**Limit of Detection** 0.060 $\mu\text{gNO}_2$

**Tube Preparation :** 50% TEA /Acetone

**Analysed on** UV04 Camspec M550

The Diffusion Tubes have been tested within the scope of Gradko International Ltd. Laboratory Quality Procedures calculations and assessments involving the exposure procedures and periods provided by the client are not within the scope of our UKAS accreditation. Those results obtained using exposure data shall be indicated by an asterisk. Any queries concerning the data in this report should be directed to the Laboratory Manager Gradko International Ltd. This report is not to be reproduced, except in full, without the written permission of Gradko International Ltd.

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Gradko International Ltd  
This signature confirms the authenticity of these results  
Signed.....  
L. Gates, Laboratory Supervisor

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**Analyst Signature**

**Analyst Name**

Ben Gregory

**Date of Analysis**

14/01/2013

**Date of Report**

14/01/2013

**Analysis carried out in accordance with documented in-house Laboratory Method  
GLM7**

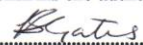
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