

LABORATORY ANALYSIS REPORT

NITROGEN DIOXIDE IN RAPID ANALYSIS MONITORS BY U.V.SPECTROPHOTOMETRY

REPORT NUMBER G00210R

BOOKING IN REFERENCE G00210

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 05/10/2012

Location	Sample Number	Exposure Data		Time (hr.)	$\mu\text{g}/\text{m}^3$ *	ppb *	TOTAL $\mu\text{g NO}_2$
		Date On	Date Off				
Millfield garden Crowland	038661	30/08/2012	26/09/2012	651.50	11.29	5.89	0.53
Nutten Stoven	038662	29/08/2012	26/09/2012	671.33	9.60	5.01	0.47
The Hollies	038664	29/08/2012	26/09/2012	671.25	10.52	5.49	0.51
Station Road	038665	28/08/2012	24/09/2012	649.42	17.18	8.97	0.81
103 Boston Road	038666	29/08/2012	26/09/2012	671.17	16.06	8.38	0.78
Field End	038667	29/08/2012	26/09/2012	671.25	18.56	9.69	0.91
Westmere 1	038668	29/08/2012	26/09/2012	671.58	10.48	5.47	0.51
Westmere 2	038669	29/08/2012	26/09/2012	671.58	9.62	5.02	0.47
Westmere 3	038651	29/08/2012	26/09/2012	671.58	10.91	5.69	0.53
Metalair	038652	29/08/2012	26/09/2012	671.83	17.64	9.21	0.86
Blank	038653			699.17	0.48	0.25	0.02
Pinchbeck Road	038654	28/08/2012	26/09/2012	694.75	21.01	10.97	1.06
Springfields	038655	29/08/2012	26/09/2012	671.33	22.20	11.59	1.08
Church Street, Pinchbeck	038656	28/08/2012	24/09/2012	648.42	22.48	11.73	1.06
A52 Donington	038657	29/08/2012	24/09/2012	625.33	12.67	6.61	0.58
High Street	038658	29/08/2012	26/09/2012	672.17	17.63	9.20	0.86
BP Garage	038659	28/08/2012	26/09/2012	699.17	22.80	11.90	1.16
Laboratory Blank				699.2			0.034

Comment: Results are not blank subtracted

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

Overall M.U. 5.2% +/-

Limit of Detection

0.07 μgNO_2

Tube Preparation: 50% TEA /Acetone

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.

Form LQF32b Issue 3 – March 2011

Report Number G00210R

Page 1 of 2

REPORT OFFICIALLY CHECKED

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

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Analysed on UV05 Camspec M550

Analyst Signature

Analyst Name

Lena Szulc

Date of Analysis

18/10/2012

Date of Report

18/10/2012

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

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Page 2 of 2

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Signed.....*L. Gates*.....
L. Gates, Laboratory Supervisor