

## LABORATORY ANALYSIS REPORT

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

**REPORT NUMBER** L02594R  
**BOOKING IN REFERENCE** L02594  
**DESPATCH NOTE** 29972

**CUSTOMER** Tewkesbury Borough Council Attn: Kath Henly  
Environmental Health Dept.  
Gloucester Road  
Tewkesbury 'A'  
Gloucestershire  
GL20 5TT

**DATE SAMPLES RECEIVED** 05/04/2017

Location	Sample Number	Exposure Data		Time (hr.)	$\mu\text{g}/\text{m}^3$ *	ppb *	TOTAL $\mu\text{g NO}_2$
		Date On	Date Off				
17/03/(3)1N	852487	02/03/2017	31/03/2017	696.25	27.37	14.28	1.38
17/03/(3)2N	852488	02/03/2017	31/03/2017	696.25	18.76	9.79	0.95
17/03/5N	852489	02/03/2017	31/03/2017	696.25	23.14	12.08	1.17
17/03/6N	852490	02/03/2017	31/03/2017	696.25	29.76	15.53	1.51
17/03/14N	852491	28/02/2017	29/03/2017	698.50	23.67	12.35	1.20
17/03/15N	852492	28/02/2017	29/03/2017	699.00	28.76	15.01	1.46
17/03/16N	852493	28/02/2017	29/03/2017	699.25	29.08	15.18	1.48
17/03/20N	852494	27/02/2017	28/03/2017	695.75	6.37	3.33	0.32
17/03/35N	852495	02/03/2017	31/03/2017	696.00	33.17	17.31	1.68
17/03/37N	852496	02/03/2017	31/03/2017	696.00	23.94	12.49	1.21
17/03/38N	852497	02/03/2017	31/03/2017	696.25	27.54	14.37	1.39
17/03/41N	852498	02/03/2017	31/03/2017	696.25	29.26	15.27	1.48
17/03/47N	852499	02/03/2017	31/03/2017	696.25	30.97	16.16	1.57
17/03/50N	852500	27/02/2017	28/03/2017	696.25	24.57	12.83	1.24
17/03/52N	852501	28/02/2017	29/03/2017	698.75	29.21	15.25	1.48
17/03/53N	852502	27/02/2017	28/03/2017	696.75	23.52	12.27	1.19
17/03/54N	852503	28/02/2017	29/03/2017	698.75	26.08	13.61	1.32
Laboratory Blank				699.25	0.55	0.29	0.028

**Comment: Results are not blank subtracted**

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

**Overall M.U.**  $\pm 7.8\%$

**Limit of Detection**  $0.070\mu\text{gNO}_2$

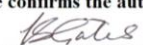
The Diffusion Tubes have been tested within the scope of Gradko International Ltd. Laboratory Quality Procedures calculations and assessments involving the exposure procedures and periods provided by the client are not within the scope of our UKAS accreditation. Those results obtained using exposure 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 Manager

## LABORATORY ANALYSIS REPORT

Analysed  
on UV05  
Camspec  
M550

Tube Preparation: 50% TEA /Acetone

**Analyst Name**  
Zoe Munday

**Report Checked By**

Duncan  
Wilson

**Date of Analysis** 13/04/2017

**Date of Report** 19/04/2017

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

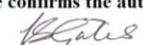
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