

## LABORATORY ANALYSIS REPORT

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

**REPORT NUMBER** N00632R  
**BOOKING IN REFERENCE** N00632  
**DESPATCH NOTE** 29994  
**CUSTOMER** Tewkesbury Borough Council Attn: Kath Henly  
 Environmental Health Dept.  
 Gloucester Road  
 Tewkesbury 'A'  
 Gloucestershire  
 GL20 5TT  
**DATE SAMPLES RECEIVED** 17/01/2019

Location	Sample Number	Exposure Data			Time (hr.)	µg/m <sup>3</sup> *	ppb *	µg NO <sub>2</sub> on tube
		Date On	Date Off					
18/12/(3)1N	1251344	07/12/2018	11/01/2019		840.00	36.15	18.87	2.21
18/12/(3)2N	1251345	07/12/2018	11/01/2019		840.00	25.11	13.11	1.53
18/12/5N	1251346	07/12/2018	11/01/2019		840.00	29.01	15.14	1.77
18/12/6N	1251347	07/12/2018	11/01/2019		840.00	33.64	17.56	2.05
18/12/14N	1251348	05/12/2018	07/01/2019		792.00	32.73	17.08	1.88
18/12/16N	1251350	05/12/2018	07/01/2019		792.00	26.48	13.82	1.52
18/12/20N	1251351	07/12/2018	09/01/2019		792.00	9.14	4.77	0.53
18/12/35N	1251352	07/12/2018	11/01/2019		840.00	40.61	21.19	2.48
18/12/37N	1251353	07/12/2018	11/01/2019		840.00	29.09	15.18	1.78
18/12/38N	1251354	07/12/2018	11/01/2019		840.00	31.37	16.37	1.92
18/12/41N	1251355	07/12/2018	11/01/2019		840.00	39.10	20.41	2.39
18/12/47N	1251356	07/12/2018	11/01/2019		840.00	34.99	18.26	2.14
18/12/50N	1251357	07/12/2018	09/01/2019		792.00	28.91	15.09	1.66
18/12/52N	1251358	05/12/2018	07/01/2019		792.00	29.90	15.60	1.72
18/12/53N	1251359	07/12/2018	09/01/2019		792.00	27.34	14.27	1.57
18/12/55N	1251360	05/12/2018	07/01/2019		792.00	27.08	14.14	1.56
18/12/Blank	1251361				840.00	0.23	0.12	0.01
Laboratory Blank					840.00	0.13	0.07	0.008

**Comment: Results are not blank subtracted**  
 Results have been corrected to a temperature of 293 K (20°)

<b>Overall M.U.</b>	±9.7%	<b>Limit of Detection</b>	0.043µgNO <sub>2</sub>
<b>Tube Preparation :</b>	50% TEA /Acetone	<b>Analysed on</b>	UV CARY1
<b>Analyst Name</b>	Amber Silvester	<b>Report Checked By</b>	Adam Robinson
<b>Date of Analysis</b>	28/01/2019	<b>Date of Report</b>	28/01/2019

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

Samples have been tested within the scope of Gradko International Ltd. Laboratory Quality Procedures. Data provided by the client and any subsequent calculations shall be indicated by an asterisk (\*), these calculations and results are not within the scope of our UKAS accreditation. The results within this report relate only to the items tested. Any queries concerning 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.

REPORT OFFICIALLY CHECKED

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