

## LABORATORY ANALYSIS REPORT

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

**REPORT NUMBER** N05731R  
**BOOKING IN REFERENCE** N05731  
**DESPATCH NOTE** 70179  
**CUSTOMER** Tewkesbury Borough Council Attn: Kath Henly  
Environmental Health Dept.  
Gloucester Road  
Tewkesbury 'A'  
Gloucestershire  
GL20 5TT

**DATE SAMPLES RECEIVED** 07/08/2019

Location	Sample Number	Exposure Data		Time (hr.)	µg/m <sup>3</sup> *	ppb *	µg NO <sub>2</sub> on tube
		Date On	Date Off				
Scrivens 131 High St	1378892	04/07/2019	06/08/2019	792.50	25.43	13.27	1.47
43 Oldbury Rd, Tewkesbury	1378893	04/07/2019	06/08/2019	792.50	16.27	8.49	0.94
Kellands 13-14 Barton St	1378894	04/07/2019	06/08/2019	792.50	21.75	11.35	1.25
Age Concern 14 High St	1378895	04/07/2019	06/08/2019	792.50	29.06	15.17	1.67
69 Sussex Gardens Hucclecote	1378896	04/07/2019	05/08/2019	764.00	23.36	12.19	1.30
Comus Bamfurlong Lane	1360280	05/06/2019	05/08/2019	1460.00	24.45	12.76	2.59
15 Withybridge Gardens Boddington	1378898	04/07/2019	05/08/2019	764.00	26.96	14.07	1.50
Snowhill Hill Farm Snowhill	1378899	01/07/2019	05/08/2019	839.50	4.00	2.09	0.24
Store 21 (formally M&S) High Street	1378900	04/07/2019	06/08/2019	792.50	37.47	19.55	2.16
The Cross, Tewkesbury	1378901	04/07/2019	06/08/2019	792.50	22.59	11.79	1.30
Sanford 38 High St	1378902	04/07/2019	06/08/2019	792.50	24.57	12.82	1.42
Tackle Shop 31 Barton St	1378903	04/07/2019	06/08/2019	792.50	32.88	17.16	1.89
65 Barton St	1378904	04/07/2019	06/08/2019	792.50	25.07	13.08	1.44
Sue Ryder Care, 3 North St	1378905	01/07/2019	05/08/2019	839.50	21.09	11.01	1.29
43 Stocken Close Hucclecote	1378906	04/07/2019	05/08/2019	764.25	24.27	12.67	1.35
Ashchurch View Ashchurch Road	1378907	01/07/2019	05/08/2019	839.50	16.19	8.45	0.99
Stoke Road, Bishops Cleeve	1378908	04/07/2019	05/08/2019	762.25	17.04	8.89	0.94
Blank	1378909			839.50	0.21	0.11	0.01
Laboratory Blank				839.50	0.75	0.39	0.046

**Comment: Results are not blank subtracted**

**Tube 1378907 contained a spider. Result may be compromised.**

**Tube 1360280 was exposed for longer than the recommended time. Result may be compromised.**

**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		Analysed on UV CARY1	
<b>Analyst Name</b>	Amber Silvester	<b>Report Checked By</b>	Adam Robinson
<b>Date of Analysis</b>	13/08/2019	<b>Date of Report</b>	13/08/2019

**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. Results within this report relate only to samples as received. 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. 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.

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**REPORT OFFICIALLY CHECKED**

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