

## LABORATORY ANALYSIS REPORT

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

**REPORT NUMBER** N05148R  
**BOOKING IN REFERENCE** N05148  
**DESPATCH NOTE** 70178  
**CUSTOMER** Tewkesbury Borough Council Attn: Kath Henly  
Environmental Health Dept.  
Gloucester Road  
Tewkesbury 'A'  
Gloucestershire  
GL20 5TT

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

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	1360275	06/06/2019	04/07/2019	672.00	24.69	12.89	1.21
43 Oldbury Rd, Tewkesbury	1360276	06/06/2019	04/07/2019	672.00	18.84	9.83	0.92
Kellands 13-14 Barton St	1360277	06/06/2019	04/07/2019	672.00	24.10	12.58	1.18
Age Concern 14 High St	1360278	06/06/2019	04/07/2019	672.25	29.19	15.23	1.43
69 Sussex Gardens Hucclecote	1360279	05/06/2019	04/07/2019	696.00	21.43	11.18	1.08
15 Withybridge Gardens Boddington	1360281	05/06/2019	04/07/2019	696.00	23.19	12.10	1.17
Snowhill Hill Farm Snowhill	1360282	03/06/2019	04/07/2019	745.00	4.03	2.10	0.22
Store 21 (formally M&S) High Street	1360283	06/06/2019	04/07/2019	672.00	32.49	16.96	1.59
The Cross, Tewkesbury	1360284	06/06/2019	04/07/2019	672.00	22.81	11.90	1.11
Sanford 38 High St	1360285	06/06/2019	04/07/2019	672.00	22.52	11.75	1.10
Tackle Shop 31 Barton St	1360286	06/06/2019	04/07/2019	672.00	27.09	14.14	1.32
65 Barton	1360287	06/06/2019	04/07/2019	672.00	28.30	14.77	1.38
Sue Ryder Care, 3 North St	1360288	03/06/2019	04/07/2019	745.00	20.50	10.70	1.11
43 Stocken Close	1360289	05/06/2019	04/07/2019	696.00	21.63	11.29	1.09
Ashchurch View Ashchurch Road	1360290	03/06/2019	04/07/2019	745.00	14.53	7.59	0.79
Stoke Road, Bishops Cleeve	1360291	05/06/2019	04/07/2019	696.00	16.80	8.77	0.85
Blank	1360292			745.00	0.11	0.06	0.01
Laboratory Blank				745.00	0.30	0.15	0.016

**Comment: Results are not blank subtracted**

**Tube 1360280 was not received for analysis.**

**Tube 1360290 contained a spiders nest. Result may be compromised.**

**Tubes 1360275 and 1360279 contained water droplets. Results may be compromised.**

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

**Overall M.U.** ±9.7% **Limit of Detection** 0.040µgNO<sub>2</sub>

Tube Preparation: 50% TEA /Acetone

Analysed on UV CARY2

**Analyst Name** Ciaran Allen

**Report Checked By** Adam Robinson

**Date of Analysis** 22/07/2019

**Date of Report** 22/07/2019

**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.

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REPORT OFFICIALLY CHECKED

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