

LABORATORY ANALYSIS REPORT

NITROGEN DIOXIDE IN DIFFUSION TUBES BY U.V.SPECTROPHOTOMETRY

REPORT NUMBER T03690R
BOOKING IN REFERENCE T03690
DESPATCH NOTE 113762
CUSTOMER Tewkesbury Borough Council Attn: Isabel Hooper
Environmental Health Dept.
Gloucester Road
Tewkesbury 'A'
Gloucestershire
GL20 5TT

DATE SAMPLES RECEIVED 06/06/2025
JOB REFERENCE May-25

Location	Sample Number	Exposure Data		Time* (hr.)	µg/m ³ *	ppb *	µg NO ₂ on tube
		Date On*	Date Off*				
Scrivens, 131, High Street, Tewkesbury (3)1N	2668656	09/05/2025	02/06/2025	575.92	19.04	9.94	0.80
Kellands, 13-14, Barton Street, Tewkesbury 5N	2668658	09/05/2025	02/06/2025	575.97	15.93	8.32	0.67
Age Concern, 14, High Street, Tewkesbury 6N	2668659	09/05/2025	02/06/2025	575.95	21.21	11.07	0.89
69, Sussex Gardens, Hucclecote 14N	2668660	09/05/2025	02/06/2025	572.92	13.11	6.84	0.55
Comus, Bamfurlong, Staverton 15N	2668661	09/05/2025	02/06/2025	572.97	9.85	5.14	0.41
15, Withybridge Gardens, Withybridge 16N	2668662	09/05/2025	02/06/2025	572.97	18.85	9.84	0.79
Snowhill Farm, Snowhill 20N	2668663	09/05/2025	02/06/2025	575.95	3.11	1.62	0.13
Wetherspoons, The Cross, Tewkesbury 37N	2668665	09/05/2025	02/06/2025	575.98	17.96	9.38	0.75
Avonside, 38, High Street, Tewkesbury 38N	2668666	09/05/2025	02/06/2025	575.95	16.29	8.50	0.68
The Tackle Shop, 31, Barton Street, Tewkesbury 41N	2668667	09/05/2025	02/06/2025	576.00	26.42	13.79	1.11
65, Barton Street, Tewkesbury 47N	2668668	09/05/2025	02/06/2025	575.95	15.89	8.29	0.67
The White Hart, Castle Street, Winchcombe 50N	2668669	09/05/2025	02/06/2025	575.97	13.43	7.01	0.56
43, Stocken Close, Hucclecote 52N	2668670	09/05/2025	02/06/2025	572.97	13.33	6.96	0.56
Ashchurch Road, Ashchurch, Tewkesbury 53N	2668671	09/05/2025	02/06/2025	575.97	8.22	4.29	0.34
Stoke Road, Bishops Cleeve 55N	2668672	09/05/2025	02/06/2025	575.97	7.84	4.09	0.33
Tewkesbury Church of England Primary School, Rope Walk, Tewkesbury 56N	2668673	09/05/2025	02/06/2025	576.08	4.87	2.54	0.20
15, Kestrel Way, Northway, Tewkesbury 57N	2668674	09/05/2025	02/06/2025	575.92	8.27	4.31	0.35
Blank	2668675			576.08	2.13	1.11	0.09
Laboratory Blank				576.08	0.02	0.01	0.001

Comment: Results are not blank subtracted

Customer noted missing tubes: 2668657 & 2668664

Tube 2668673 contained a spider. Result may be compromised.

Tube 2668671 contained an insect. Result may be compromised.

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

Overall M.U. ±9.7%

Limit of Detection 0.037µgNO₂

The reported expanded uncertainty is based on a standard uncertainty multiplied by a factor of $k=2$, providing a level of confidence of approximately 95%. Uncertainty of measurement has not been applied to the reported results.

Tube Preparation: 50% TEA /Acetone

Analysed on UV CARY3

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, Laboratory Manager

LABORATORY ANALYSIS REPORT

Analyst Name	Mihnea Marmara	Report Checked By	Vanessa Kellie
Date of Analysis	13/06/2025	Date of Report	16/06/2025

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

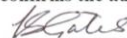
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