

LABORATORY ANALYSIS REPORT

NIROGEN DIOXIDE IN DIFFUSION TUBES BY U.V.SPECTROPHOTOMETRY

REPORT NUMBER U00158R
BOOKING IN REFERENCE U00158
DESPATCH NOTE 115628
CUSTOMER Tewkesbury Borough Council Attn: Isabel Hooper
Environmental Health Dept.
Gloucester Road
Tewkesbury 'A'
Gloucestershire
GL20 5TT

DATE SAMPLES RECEIVED 07/01/2026
JOB REFERENCE December 2025

Location	Sample Number	Exposure Data		Time (hr.)	µg/m ³ ppb		µg NO ₂ on tube
		Date On	Date Off		µg/m ³	ppb	
Scrivens, 131, High Street, Tewkesbury (3)1N	2793150	03/12/2025	05/01/2026	792.17	21.22	11.08	1.22
Kellands, 13-14, Barton Street, Tewkesbury 5N	2793152	03/12/2025	05/01/2026	792.42	19.13	9.99	1.10
Age Concern, 14, High Street, Tewkesbury 6N	2793153	03/12/2025	05/01/2026	794.17	22.28	11.63	1.29
69, Sussex Gardens, Hucclecote 14N	2793154	03/12/2025	05/01/2026	791.75	10.58	5.52	0.61
Comus, Bamfurlong, Staverton 15N	2793155	03/12/2025	05/01/2026	792.00	14.85	7.75	0.86
15, Withybridge Gardens, Withybridge 16N	2793156	03/12/2025	05/01/2026	791.75	13.09	6.83	0.75
Snowhill Farm, Snowhill 20N	2793157	03/12/2025	05/01/2026	792.42	4.79	2.50	0.28
Peacocks, High Street, Tewkesbury 35N	2793158	03/12/2025	05/01/2026	792.17	24.72	12.90	1.42
Wetherspoons, The Cross, Tewkesbury 37N	2793159	03/12/2025	05/01/2026	792.17	19.07	9.95	1.10
Avonside, 38, High Street, Tewkesbury 38N	2793160	03/12/2025	05/01/2026	792.17	20.06	10.47	1.16
The Tackle Shop, 31, Barton Street, Tewkesbury 41N	2793161	03/12/2025	05/01/2026	792.17	25.17	13.14	1.45
65, Barton Street, Tewkesbury 47N	2793162	03/12/2025	05/01/2026	792.17	20.62	10.76	1.19
The White Hart, Castle Street, Winchcombe 50N	2793163	03/12/2025	05/01/2026	792.42	13.53	7.06	0.78
43, Stocken Close, Hucclecote 52N	2793164	03/12/2025	05/01/2026	791.75	14.16	7.39	0.82
Ashchurch Road, Ashchurch, Tewkesbury 53N	2793165	03/12/2025	05/01/2026	792.42	13.72	7.16	0.79
Stoke Road, Bishops Cleeve 55N	2793166	03/12/2025	05/01/2026	792.33	14.03	7.32	0.81
Tewkesbury Church of England Primary School, Rope Walk, Tewkesbury 56N	2793167	03/12/2025	05/01/2026	792.17	10.94	5.71	0.63
15, Kestrel Way, Northway, Tewkesbury 57N	2793168	03/12/2025	05/01/2026	792.33	15.23	7.95	0.88
Blank	2793169	03/12/2025	05/01/2026	792.00	<0.64	<0.34	<0.037
Laboratory Blank				794.17	<0.64	<0.33	<0.037

Comment: Results are not blank subtracted.

Results reported as <0.037 µg are below the reporting limit.

Customer noted missing tube: 2793151.

Tube 2793154 was dirty when received. Result may be compromised.

Tube 2793155 contained a spider. Result may be compromised.

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

Overall M.U. ±9.7%

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

Limit of Detection 0.037 µgNO₂

Analysed on UV CARY3

Analyst Name Mihnea Marmara

Report Checked By Marek Bianga

Date of Analysis 13/01/2026

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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.