

LABORATORY ANALYSIS REPORT

NITROGEN DIOXIDE IN DIFFUSION TUBES BY U.V.SPECTROPHOTOMETRY

REPORT NUMBER Amendment to U01581R
BOOKING IN REFERENCE U01581
DESPATCH NOTE 115628
CUSTOMER Tewkesbury Borough Council Attn: Isabel Hooper
Environmental Health Dept.
Gloucester Road
Tewkesbury 'A'
Gloucestershire
GL20 5TT

DATE SAMPLES RECEIVED 06/03/2026
JOB REFERENCE February 2026

Location	Sample Number	Exposure Data			$\mu\text{g}/\text{m}^3$ *	ppb *	$\mu\text{g NO}_2$ on tube
		Date On*	Date Off*	Time* (hr.)			
Scrivens, 131, High Street, Tewkesbury (3)1N	2922415	03/02/2026	04/03/2026	695.92	23.76	12.40	1.20
Corner of Oldbury Road/East Street, Tewkesbury (3)2N	2922416	03/02/2026	04/03/2026	695.92	14.75	7.70	0.75
Kellands, 13-14, Barton Street, Tewkesbury 5N	2922417	03/02/2026	04/03/2026	695.92	18.74	9.78	0.95
Age Concern, 14, High Street, Tewkesbury 6N	2922418	03/02/2026	04/03/2026	695.92	26.93	14.05	1.36
69, Sussex Gardens, Hucclecote 14N	2922419	03/02/2026	02/03/2026	645.42	15.11	7.89	0.71
15, Withybridge Gardens, Withybridge 16N	2922421	03/02/2026	04/03/2026	695.67	13.94	7.28	0.71
Snowhill Farm, Snowhill 20N	2922422	03/02/2026	04/03/2026	695.92	7.20	3.76	0.36
Peacocks, High Street, Tewkesbury 35N	2922423	03/02/2026	04/03/2026	695.92	27.24	14.22	1.38
Wetherspoons, The Cross, Tewkesbury 37N	2922424	03/02/2026	04/03/2026	695.92	17.08	8.92	0.86
Avonside, 38, High Street, Tewkesbury 38N	2922425	03/02/2026	04/03/2026	695.92	22.02	11.50	1.11
The Tackle Shop, 31, Barton Street, Tewkesbury 41N	2922426	03/02/2026	04/03/2026	695.92	26.22	13.68	1.33
65, Barton Street, Tewkesbury 47N	2922427	03/02/2026	04/03/2026	695.92	21.95	11.45	1.11
The White Hart, Castle Street, Winchcombe 50N	2922428	03/02/2026	04/03/2026	695.67	14.26	7.44	0.72
43, Stocken Close, Hucclecote 52N	2922429	03/02/2026	02/03/2026	645.67	13.83	7.22	0.65
Ashchurch Road, Ashchurch, Tewkesbury 53N	2922430	03/02/2026	04/03/2026	695.92	14.85	7.75	0.75
Stoke Road, Bishops Cleeve 55N	2922431	03/02/2026	04/03/2026	695.67	13.63	7.11	0.69
Tewkesbury Church of England Primary School, Rope Walk, Tewkesbury 56N	2922432	03/02/2026	04/03/2026	695.92	12.24	6.39	0.62
15, Kestrel Way, Northway, Tewkesbury 57N	2922433	03/02/2026	04/03/2026	695.92	14.47	7.55	0.73
Blank	2922434			695.92	<0.73	<0.38	<0.037

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.

LABORATORY ANALYSIS REPORT

Laboratory Blank

695.92

<0.73

<0.38

<0.037

Comment: Results are not blank subtracted

Tube 2922420 could not be analysed as it did not contain any grids.

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

Report amended to change job reference at customer request.

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

Analyst Name Mihnea Marmara

Report Checked By Jon Hall

Date of Analysis 11/03/2026

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

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REPORT OFFICIALLY CHECKED

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