

LABORATORY ANALYSIS REPORT

NITROGEN DIOXIDE IN DIFFUSION TUBES BY U.V.SPECTROPHOTOMETRY

REPORT NUMBER U02358R
BOOKING IN REFERENCE U02358
DESPATCH NOTE 115628
CUSTOMER Tewkesbury Borough Council Attn: Isabel Hooper
 Environmental Health Dept.
 Gloucester Road
 Tewkesbury 'A'
 Gloucestershire
 GL20 5TT
DATE SAMPLES RECEIVED 08/04/2026
JOB REFERENCE Mar-26

Location	Sample Number	Exposure Data			µg/m ³ *	ppb *	µg NO ₂ on tube
		Date On*	Date Off*	Time* (hr.)			
Scrivens, 131, High Street, Tewkesbury (3)1N	2935251	04/03/2026	01/04/2026	671.92	20.29	10.59	0.99
Corner of Oldbury Road/East Street, Tewkesbury (3)2N	2935252	04/03/2026	01/04/2026	671.92	14.13	7.37	0.69
Kellands, 13-14, Barton Street, Tewkesbury 5N	2935253	04/03/2026	01/04/2026	671.92	18.80	9.81	0.92
Age Concern, 14, High Street, Tewkesbury 6N	2935254	04/03/2026	01/04/2026	671.92	24.63	12.86	1.20
69, Sussex Gardens, Hucclecote 14N	2935255	02/03/2026	01/04/2026	718.50	16.53	8.63	0.86
Comus, Bamfurlong, Staverton 15N	2935256	02/03/2026	01/04/2026	718.75	16.23	8.47	0.85
Stanboro Lodge, Stanboro Lane, Elmstone Hardwickke, Cheltenham, GL51 9TN 16N	2935257	18/03/2026	01/04/2026	328.25	10.86	5.67	0.26
Snowhill Farm, Snowhill 20N	2935258	04/03/2026	01/04/2026	671.42	5.06	2.64	0.25
Peacocks, High Street, Tewkesbury 35N	2935259	04/03/2026	01/04/2026	671.92	26.46	13.81	1.29
Wetherspoons, The Cross, Tewkesbury 37N	2935260	04/03/2026	01/04/2026	671.92	18.39	9.60	0.90
Avonside, 38, High Street, Tewkesbury 38N	2935261	04/03/2026	01/04/2026	671.92	18.39	9.60	0.90
The Tackle Shop, 31, Barton Street, Tewkesbury 41N	2935262	04/03/2026	01/04/2026	671.92	21.99	11.48	1.07
65, Barton Street, Tewkesbury 47N	2935263	04/03/2026	01/04/2026	671.92	19.62	10.24	0.96
The White Hart, Castle Street, Winchcombe 50N	2935264	04/03/2026	01/04/2026	671.67	12.78	6.67	0.62
43, Stocken Close, Hucclecote 52N	2935265	02/03/2026	01/04/2026	718.50	16.03	8.37	0.84
Ashchurch Road, Ashchurch, Tewkesbury 53N	2935266	04/03/2026	01/04/2026	671.92	14.74	7.69	0.72
Tewkesbury Church of England Primary School, Rope Walk, Tewkesbury 56N	2935268	04/03/2026	01/04/2026	671.92	10.01	5.23	0.49
15, Kestrel Way, Northway, Tewkesbury 57N	2935269	04/03/2026	01/04/2026	671.92	15.19	7.93	0.74
Blank	2935270			718.75	<0.71	<0.37	<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.

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Laboratory Blank 718.75 <0.71 <0.37 <0.037

Comment: Results are not blank subtracted

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

Customer noted missing tube: 2935267

Tube 2935257 was exposed for shorter than 336 hours. Result may be compromised.

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

Overall M.U. ±9.7%

Limit of Detection 0.037 µgNO₂

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 Barbara Perzanowska

Date of Analysis 16/04/2026

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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