

LABORATORY ANALYSIS REPORT

NITROGEN DIOXIDE IN DIFFUSION TUBES BY U.V.SPECTROPHOTOMETRY

REPORT NUMBER T04406R
BOOKING IN REFERENCE T04406
DESPATCH NOTE 115622
CUSTOMER Tewkesbury Borough Council Attn: Isabel Hooper
Environmental Health Dept.
Gloucester Road
Tewkesbury 'A'
Gloucestershire
GL20 5TT

DATE SAMPLES RECEIVED 07/07/2025
JOB REFERENCE Jun-25

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	2676472	02/06/2025	02/07/2025	719.67	15.72	8.20	0.82
Corner of Oldbury Road/East Street, Tewkesbury (3)2N	2676473	02/06/2025	02/07/2025	728.50	9.01	4.70	0.48
Kellands, 13-14, Barton Street, Tewkesbury 5N	2676474	02/06/2025	02/07/2025	719.67	13.42	7.00	0.70
Age Concern, 14, High Street, Tewkesbury 6N	2676475	02/06/2025	02/07/2025	719.67	20.38	10.64	1.07
69, Sussex Gardens, Hucclecote 14N	2676476	02/06/2025	02/07/2025	722.92	11.02	5.75	0.58
Comus, Bamfurlong, Staverton 15N	2676477	02/06/2025	02/07/2025	722.92	11.23	5.86	0.59
15, Withybridge Gardens, Withybridge 16N	2676478	02/06/2025	02/07/2025	722.92	13.72	7.16	0.72
Snowhill Farm, Snowhill 20N	2676479	02/06/2025	02/07/2025	719.92	2.92	1.53	0.15
Peacocks, High Street, Tewkesbury 35N	2676480	02/06/2025	02/07/2025	719.67	20.59	10.75	1.08
Wetherspoons, The Cross, Tewkesbury 37N	2676481	02/06/2025	02/07/2025	719.67	14.13	7.37	0.74
Avonside, 38, High Street, Tewkesbury 38N	2676482	02/06/2025	02/07/2025	719.67	16.59	8.66	0.87
The Tackle Shop, 31, Barton Street, Tewkesbury 41N	2676483	02/06/2025	02/07/2025	719.67	20.04	10.46	1.05
65, Barton Street, Tewkesbury 47N	2676484	02/06/2025	02/07/2025	719.67	18.93	9.88	0.99
The White Hart, Castle Street, Winchcombe 50N	2676485	02/06/2025	02/07/2025	719.92	10.51	5.49	0.55
43, Stocken Close, Hucclecote 52N	2676486	02/06/2025	02/07/2025	722.92	12.47	6.51	0.66
Ashchurch Road, Ashchurch, Tewkesbury 53N	2676487	02/06/2025	02/07/2025	719.67	11.43	5.97	0.60
Tewkesbury Church of England Primary School, Rope Walk, Tewkesbury 56N	2676489	02/06/2025	02/07/2025	719.67	5.66	2.95	0.30
15, Kestrel Way, Northway, Tewkesbury 57N	2676490	02/06/2025	02/07/2025	719.67	9.90	5.17	0.52
Blank	2676491			728.50	0.45	0.24	0.02
Laboratory Blank				728.50	0.04	0.02	0.002

Comment: Results are not blank subtracted

Customer noted missing tube: 2676488.

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

Overall M.U. ±9.7%

Limit of Detection 0.043µgNO₂

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 CARY4

Analyst Name

Alison Wright

Report Checked By

Vanessa Kellie

Date of Analysis

17/07/2025

Date of Report

17/07/2025

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

LABORATORY ANALYSIS REPORT

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

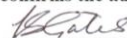
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