

LABORATORY ANALYSIS REPORT

NITROGEN DIOXIDE IN DIFFUSION TUBES BY U.V.SPECTROPHOTOMETRY

REPORT NUMBER T06957R
BOOKING IN REFERENCE T06957
DESPATCH NOTE 115627
CUSTOMER Tewkesbury Borough Council Attn: Isabel Hooper
Environmental Health Dept.
Gloucester Road
Tewkesbury 'A'
Gloucestershire
GL20 5TT

DATE SAMPLES RECEIVED 05/11/2025
JOB REFERENCE October 2025

Location	Sample Number	Exposure Data		Time (hr.)	µg/m ³		µg NO ₂ on tube
		Date On	Date Off		ppb		
Scrivens, 131, High Street, Tewkesbury (3)1N	2759445	03/10/2025	03/11/2025	743.42	19.45	10.15	1.05
Corner of Oldbury Road/East Street, Tewkesbury (3)2N	2759446	03/10/2025	03/11/2025	743.42	11.09	5.79	0.60
Kellands, 13-14, Barton Street, Tewkesbury 5N	2759447	03/10/2025	03/11/2025	743.67	16.61	8.67	0.90
Age Concern, 14, High Street, Tewkesbury 6N	2759448	03/10/2025	03/11/2025	743.42	24.19	12.63	1.31
69, Sussex Gardens, Hucclecote 14N	2759449	03/10/2025	03/11/2025	746.50	16.99	8.87	0.92
Comus, Bamfurlong, Staverton 15N	2759450	03/10/2025	03/11/2025	746.25	13.37	6.98	0.73
15, Withybridge Gardens, Withybridge 16N	2759451	03/10/2025	03/11/2025	746.00	16.45	8.59	0.89
Snowhill Farm, Snowhill 20N	2759452	03/10/2025	03/11/2025	742.92	3.46	1.81	0.19
Peacocks, High Street, Tewkesbury 35N	2759453	03/10/2025	03/11/2025	743.42	24.26	12.66	1.31
Wetherspoons, The Cross, Tewkesbury 37N	2759454	03/10/2025	03/11/2025	743.42	17.05	8.90	0.92
Avonside, 38, High Street, Tewkesbury 38N	2759455	03/10/2025	03/11/2025	743.42	20.10	10.49	1.09
The Tackle Shop, 31, Barton Street, Tewkesbury 41N	2759456	03/10/2025	03/11/2025	743.17	23.12	12.07	1.25
65, Barton Street, Tewkesbury 47N	2759457	03/10/2025	03/11/2025	743.17	20.35	10.62	1.10
The White Hart, Castle Street, Winchcombe 50N	2759458	03/10/2025	03/11/2025	743.17	13.96	7.29	0.75
43, Stocken Close, Hucclecote 52N	2759459	03/10/2025	03/11/2025	746.00	16.19	8.45	0.88
Ashchurch Road, Ashchurch, Tewkesbury 53N	2759460	03/10/2025	03/11/2025	742.83	18.00	9.40	0.97
Stoke Road, Bishops Cleeve 55N	2759461	03/10/2025	03/11/2025	744.00	13.26	6.92	0.72
Tewkesbury Church of England Primary School, Rope Walk, Tewkesbury 56N	2759462	03/10/2025	03/11/2025	743.17	9.42	4.92	0.51
15, Kestrel Way, Northway, Tewkesbury 57N	2759463	03/10/2025	03/11/2025	742.83	13.87	7.24	0.75
Blank	2759464			746.50	0.11	0.06	0.01
Laboratory Blank				746.50	0.07	0.04	0.004

Comment: Results are not blank subtracted.

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

Analyst Name Mihnea Marmara

Date of Analysis 07/11/2025

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

Limit of Detection 0.037µgNO₂

Analysed on UV CARY3

Report Checked By Marek Bianga

Date of Report 07/11/2025

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.