

## LABORATORY ANALYSIS REPORT

### NITROGEN DIOXIDE IN DIFFUSION TUBES BY U.V.SPECTROPHOTOMETRY

**REPORT NUMBER** T00802R  
**BOOKING IN REFERENCE** T00802  
**DESPATCH NOTE** 93585  
**CUSTOMER** Tewkesbury Borough Council Attn: Isabel Hooper  
Environmental Health Dept.  
Gloucester Road  
Tewkesbury 'A'  
Gloucestershire  
GL20 5TT

**DATE SAMPLES RECEIVED** 05/02/2025  
**JOB REFERENCE** January 2025

Location	Sample Number	Exposure Data		Time* (hr.)	µg/m <sup>3</sup> *	ppb *	µg NO <sub>2</sub> on tube
		Date On*	Date Off*				
Scrivens, 131, High Street, Tewkesbury (3)1N	2589853	06/01/2025	03/02/2025	672.00	29.57	15.43	1.44
Corner of Oldbury Road/East Street, Tewkesbury (3)2N	2589854	06/01/2025	03/02/2025	672.00	22.07	11.52	1.08
Kellands, 13-14, Barton Street, Tewkesbury 5N	2589855	06/01/2025	03/02/2025	672.00	24.96	13.03	1.22
Age Concern, 14, High Street, Tewkesbury 6N	2589856	06/01/2025	03/02/2025	672.00	33.82	17.65	1.65
69, Sussex Gardens, Hucclecote 14N	2589857	06/01/2025	03/02/2025	666.25	21.46	11.20	1.04
Comus, Bamfurlong, Staverton 15N	2589858	06/01/2025	03/02/2025	666.50	22.15	11.56	1.07
15, Withybridge Gardens, Withybridge 16N	2589859	06/01/2025	03/02/2025	667.00	18.96	9.89	0.92
Snowhill Farm, Snowhill 20N	2589860	06/01/2025	03/02/2025	672.00	6.10	3.18	0.30
Peacocks, High Street, Tewkesbury 35N	2589861	06/01/2025	03/02/2025	672.00	31.96	16.68	1.56
Wetherspoons, The Cross, Tewkesbury 37N	2589862	06/01/2025	03/02/2025	672.00	22.19	11.58	1.08
Avonside, 38, High Street, Tewkesbury 38N	2589863	06/01/2025	03/02/2025	672.00	30.36	15.85	1.48
The Tackle Shop, 31, Barton Street, Tewkesbury 41N	2589864	06/01/2025	03/02/2025	672.00	29.26	15.27	1.43
65, Barton Street, Tewkesbury 47N	2589865	06/01/2025	03/02/2025	672.00	28.56	14.91	1.40
The White Hart, Castle Street, Winchcombe 50N	2589866	06/01/2025	03/02/2025	672.00	14.70	7.67	0.72
43, Stocken Close, Hucclecote 52N	2589867	06/01/2025	03/02/2025	666.75	19.81	10.34	0.96
Ashchurch Road, Ashchurch, Tewkesbury 53N	2589868	06/01/2025	03/02/2025	672.00	24.20	12.63	1.18
Stoke Road, Bishops Cleeve 55N	2589869	06/01/2025	03/02/2025	672.00	22.89	11.95	1.12
Tewkesbury Church of England Primary School, Rope Walk, Tewkesbury 56N	2589870	06/01/2025	03/02/2025	672.00	17.94	9.36	0.88
15, Kestrel Way, Northway, Tewkesbury 57N	2589871	06/01/2025	03/02/2025	672.00	20.50	10.70	1.00
Blank	2589872			672.00	0.78	0.41	0.04
Laboratory Blank				672.00	0.12	0.06	0.006

**Comment: Results are not blank subtracted.**

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

**Overall M.U.** ±9.7%

**Limit of Detection** 0.037µgNO<sub>2</sub>

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** Alison Wright

**Report Checked By** Marek Bianga

**Date of Analysis** 17/02/2025

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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.