

LABORATORY ANALYSIS REPORT

NITROGEN DIOXIDE IN DIFFUSION TUBES BY U.V.SPECTROPHOTOMETRY

REPORT NUMBER P05626R
BOOKING IN REFERENCE P05626
DESPATCH NOTE 82414
CUSTOMER Ribble Valley BC Attn: Adele Little
Council Offices
Church Walk
Clitheroe
Lancashire
BB7 2RA
DATE SAMPLES RECEIVED 09/08/2021

Location	Sample Number	Exposure Data		Time* (hr.)	µg/m ³ *	ppb *	µg NO ₂ on tube
		Date On*	Date Off*				
-31 Bolland Prospect	1819413	01/07/2021	05/08/2021	840.00	1.97	1.03	0.12
-Royal British Legion (1)	1819415	01/07/2021	05/08/2021	840.00	27.60	14.40	1.69
-Royal British Legion (2)	1819416	01/07/2021	05/08/2021	840.00	27.76	14.49	1.70
-85 Whalley Road	1819414	01/07/2021	05/08/2021	840.00	22.11	11.54	1.35
-Greenacre Street	1819417	01/07/2021	05/08/2021	840.00	21.10	11.01	1.29
-Entrance @ John Wall Court	1819418	01/07/2021	05/08/2021	840.00	15.13	7.90	0.92
-Feildens Arms	1819420	01/07/2021	05/08/2021	840.00	13.32	6.95	0.81
-7/9 Whalley Road Read, BB12 7PB	1819419	01/07/2021	05/08/2021	840.00	23.19	12.11	1.42
Laboratory Blank				840.00	0.13	0.07	0.008

Comment: Results are not blank subtracted

Exposure times were calculated from start and finish times given on the exposure sheet.

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.

Reagent Preparation: 50% TEA /Acetone

Analysed on UV CARY3

Analyst Name

Lauren Rose

Report Checked By

Adam Robinson

Date of Analysis

20/08/2021

Date of Report

20/08/2021

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

49 WHALLEY ROAD MISSIMA

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.

REPORT OFFICIALLY CHECKED

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