

LABORATORY ANALYSIS REPORT

DETERMINATION OF SULPHUR DIOXIDE IN DIFFUSION TUBES BY ION CHROMATOGRAPHY

REPORT NUMBER N05694R
BOOKING IN REFERENCE No N05694
DESPATCH NOTE No 73023

CUSTOMER Sia Estonian Latvian & Lithuanian Attn: Julija Doktorova
Vilandes Iela 3
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Latvija

DATE SAMPLES RECEIVED 06/08/2019

Location	Sample Number	Date Exposed	Date Finished	Exposure Hours	SO ₄ ²⁻ µg/ml	µgSO ₄ ²⁻ - Blank	SO ₂ µg/m ³ *	SO ₂ ppb*
1	1407606	11/07/2019	31/07/2019	479.17	<0.09	<0.07	<1.77	<0.67
2	1407607	11/07/2019	31/07/2019	479.00	<0.09	<0.07	<1.77	<0.67
3	1407608	11/07/2019	31/07/2019	478.67	0.13	0.12	2.96	1.11
5	1407609	11/07/2019	31/07/2019	477.83	<0.09	<0.07	<1.78	<0.67
30	1407610	11/07/2019	31/07/2019	477.83	<0.09	<0.07	<1.78	<0.67
8	1407611	11/07/2019	31/07/2019	477.67	<0.09	<0.07	<1.78	<0.67
10	1407612	11/07/2019	31/07/2019	477.50	<0.09	<0.07	<1.78	<0.67
C	1407613	11/07/2019	31/07/2019	476.67	<0.09	<0.07	<1.78	<0.67
E	1407626	11/07/2019	31/07/2019	476.50	<0.09	<0.07	<1.78	<0.67
7	1407615	11/07/2019	31/07/2019	476.67	<0.09	<0.07	<1.78	<0.67
J	1407616	11/07/2019	31/07/2019	476.67	<0.09	<0.07	<1.78	<0.67
32	1407617	11/07/2019	31/07/2019	476.58	<0.09	<0.07	<1.78	<0.67
A	1407618	12/07/2019	01/08/2019	477.42	0.09	0.07	1.79	0.67
22	1407619	12/07/2019	01/08/2019	477.33	<0.09	<0.07	<1.78	<0.67
B	1407620	12/07/2019	01/08/2019	477.25	<0.09	<0.07	<1.78	<0.67
H	1407621	12/07/2019	01/08/2019	477.17	<0.09	<0.07	<1.78	<0.67
9	1407622	12/07/2019	01/08/2019	476.75	<0.09	<0.07	<1.78	<0.67
14	1407623	12/07/2019	01/08/2019	473.75	<0.09	<0.07	<1.79	<0.67
G	1407624	12/07/2019	01/08/2019	473.50	<0.09	<0.07	<1.80	<0.67
F	1407625	12/07/2019	01/08/2019	473.42	<0.09	<0.07	<1.80	<0.67
0 (Control)	1407627				0.02			
Laboratory Blank					0.04			

Comment: Results are blank subtracted

Results reported as <0.09µg SO₄²⁻ are below the reporting limit.

Overall M.U. ±9.6%

Analysed on Dionex ICS1100 ICU11

Analyst Name Sam Minns

Date of Analysis 14/08/2019

Reporting Limit 0.09µg SO₄²⁻

Report Checked By Saranya Chandran

Date of Report 16/08/2019

Analysis has been carried out in accordance with in-house method GLM1

Samples have been tested within the scope of Gradko International Ltd. Laboratory Quality Procedures. 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. The results within this report relate only to the items tested. 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

DETERMINATION OF SULPHUR DIOXIDE IN DIFFUSION TUBES BY ION CHROMATOGRAPHY

REPORT NUMBER N06358R

BOOKING IN REFERENCE No N06358

DESPATCH NOTE No 73526

CUSTOMER Sia Estonian Latvian & Lithuanian Attn: Ruta Kuriene
Vilandes Iela 3
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Latvija

DATE SAMPLES RECEIVED 03/09/2019

JOB NUMBER

Location	Sample Number	Date Exposed	Date Finished	Exposure Hours	SO ₄ ²⁻ µg/ml	µgSO ₄ ²⁻ - Blank	SO ₂ µg/m ³ *	SO ₂ ppb*
1	1428616	13/08/2019	29/08/2019	386.25	<0.09	<0.05	<1.56	<0.59
2	1428617	13/08/2019	29/08/2019	386.00	<0.09	<0.05	<1.56	<0.59
3	1428618	13/08/2019	29/08/2019	385.83	<0.09	<0.05	<1.57	<0.59
5	1428619	13/08/2019	29/08/2019	385.67	<0.09	<0.05	<1.57	<0.59
30	1428620	13/08/2019	29/08/2019	385.67	<0.09	<0.05	<1.57	<0.59
8	1428621	13/08/2019	29/08/2019	385.42	<0.09	<0.05	<1.57	<0.59
10	1428622	13/08/2019	29/08/2019	385.33	0.13	0.09	2.84	1.07
C	1428636	13/08/2019	29/08/2019	385.25	0.16	0.12	3.77	1.41
E	1428624	13/08/2019	29/08/2019	385.33	<0.09	<0.05	<1.57	<0.59
7	1428625	13/08/2019	29/08/2019	385.25	0.17	0.13	4.14	1.55
J	1428626	13/08/2019	29/08/2019	385.58	0.10	0.06	1.84	0.69
32	1428627	13/08/2019	29/08/2019	385.17	0.14	0.10	3.20	1.20
A	1428628	14/08/2019	30/08/2019	382.50	<0.09	<0.05	<1.58	<0.59
22	1428629	14/08/2019	30/08/2019	382.33	0.09	0.05	1.59	0.60
B	1428630	14/08/2019	30/08/2019	382.17	0.12	0.08	2.57	0.96
H	1428631	14/08/2019	30/08/2019	382.50	<0.09	<0.05	<1.58	<0.59
9	1428632	14/08/2019	30/08/2019	382.33	<0.09	<0.05	<1.58	<0.59
14	1428633	14/08/2019	30/08/2019	382.08	0.19	0.16	4.98	1.87
F	1428634	14/08/2019	30/08/2019	382.33	<0.09	<0.05	<1.58	<0.59
G	1428635	14/08/2019	30/08/2019	381.42	0.10	0.06	2.02	0.76
0 (Control)	1428637				0.22			
Laboratory Blank					0.04			

Comment: Results are blank subtracted

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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Signed.....
L. Gates, Laboratory Manager

LABORATORY ANALYSIS REPORT

Results reported as $<0.09\mu\text{g SO}_4^{2-}$ are below the reporting limit.

Customer blank was high. Laboratory blank used for blank correction.

Overall M.U.	$\pm 9.6\%$	Reporting Limit	$0.09\mu\text{g SO}_4^{2-}$
Analysed on Dionex ICS1100 ICU11		Report Checked By	Sarannya Chandran
Analyst Name	Sam Minns	Date of Report	16/09/2019
Date of Analysis	11/09/2019		

Analysis has been carried out in accordance with in-house method GLM1

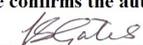
Samples have been tested within the scope of Gradko International Ltd. Laboratory Quality Procedures. Results within this report relate only to samples as received. Data provided by the client and any subsequent calculations shall be indicated by an asterisk (*), these calculations and results are not 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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