



Because the land is your life.

Geelong Laboratory  
Incitec Pivot Ltd.  
ABN 42 004 080 264

Seabreeze Parade,  
NORTH SHORE,  
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# Certificate of Analysis

Client: Industrial Chemicals Group  
Incitec Pivot Ltd  
70 Southbank Boulevard  
SOUTHBANK VIC 3001

Sample Description: **FLUROSILICIC ACID QUARTERLY ANALYSIS**

Month/Year: September 09

Date samples: composite of dispatch samples from 11/08/09-29/09/09

Report Number:

20468424

Composited by: Jye Stone

This report supersedes  
Report Number:

Barcode Number: 020468424

Date of Report:

30 October 2009

Test	Result	Units	Method	Specifications <sup>^</sup>
Fluorosilicic Acid H <sub>2</sub> SiF <sub>6</sub>	20.1	% w/w	04-022	19.5-20.5
Free Acid as HF	0.21	% w/w	04-022	<1.0 % w/w
Specific Gravity	1.183 at 21°C	gcm <sup>-3</sup>	04-019	
Phosphorus P	0.041	% w/w	04-023	<0.1 % w/w
Turbidity	<1	NTU	04-107	<500 NTU

Results Entered by:

Naomi Malone

Results Approved by:

Naomi Malone  
Laboratory Coordinator



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Test	Result	Units	Method	RMIC* mg/L
Aluminium Al	29	mg/L	-	3700
Antimony Sb	<2	mg/L	-	56
Arsenic As	<2	mg/L	-	130
Barium Ba	<2	mg/L	-	13000
Beryllium Be	<2	mg/L	-	75 SPAC*
Boron B	<2	mg/L	-	74000
Cadmium Cd	<1	mg/L	-	37
Chromium Cr	<2	mg/L	-	930
Copper Cu	<2	mg/L	-	37000
Iodine I	<500	mg/L	-	2800
Iron Fe	56	mg/L	-	5600
Lead Pb	<2	mg/L	-	180
Manganese Mn	<2	mg/L	-	9300
Mercury Hg	<1	mg/L	-	19
Molybdenum Mo	<2	mg/L	-	930
Nickel Ni	<2	mg/L	-	370
Selenium Se	<2	mg/L	-	180
Silver Ag	<2	mg/L	-	1800
Thallium Tl	<1	mg/L	-	37 SPAC*
Tin Sn	<2	mg/L	-	nl
Uranium U	<2	mg/L	-	370
Zinc Zn	2	mg/L	-	56000

Results are expressed on an "as received basis" and pertain only to the samples submitted.

Certificate of Analysis shall not be reproduced except in full.

^ Target specifications provided by Industrial Chemicals, Incitec Pivot Ltd.

Product deliveries will comprise a blend of several batches of product, and as such may not correspond exactly to the analyses shown above

# RMIC: Recommended Maximum Impurity Concentration as defined by the 'Australian Drinking Water Guideline, Ref No EH19, 2004, calculated on the basis of 20% w/w H<sub>2</sub>SiF<sub>6</sub>, a target fluoride concentration of 1mg.L<sup>-1</sup> and rounded down to two significant figures

\* SPAC: Single Product Allowable Concentration as listed in Appendix B of the American Water Works Association ANSI/AWWA B703-06, calculated on the basis of 20% w/w H<sub>2</sub>SiF<sub>6</sub>, a target fluoride concentration of 1mg.L<sup>-1</sup> and rounded down to two significant figures

- Analyses conducted by National Measurement Institute, Report No RN763138