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Ronel O'Connell

R.O'Connell

TEST REPORT

Lab Ref	LA044997
Client Ref	
Project	*
Product Code	
Status	Final
Received	05/02/08
Reported	01/04/08
Samples	1
First Sample	Leached residue
Last Sample	Leached residue
Pages	9

Copy

Notes

Authorised by :..... *Signature:.....*

Technical Signatory

On behalf of: SGS Lakefield Research Africa

The results in the following analytical report pertain to this laboratory for preparation and/or analysis as requested by R.O'Connell.

Please refer to Appendix A for accredited methods

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Reported 01/04/08
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TEST REPORT

	Al	B	Ba	Be	Bi	Ca
Scheme	**ICP84B**	**ICP84B**	**ICP84B**	**ICP84B**	**ICP84B**	**ICP84B**
Units	**mg/l**	**mg/l**	**mg/l**	**mg/l**	**mg/l**	**mg/l**
Detection Limit	**0.08**	**0.07**	**0.02**	**0.02**	**0.2**	**0.05**
Leached residue	**<0.08**	**<0.07**	**0.31**	**<0.02**	**<0.2**	**110**
Leached residue - dup	**<0.08**	**<0.07**	**0.32**	**<0.02**	**<0.2**	**110**
ARLP Blank	**<0.08**	**<0.07**	**0.02**	**<0.02**	**<0.2**	**0.15**

- not analysed / -- element not determined / I.S. insufficient sample / L.N.R. listed not received / U.T.D. Unable To Determine

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	Co	Cu	Fe	K	Li	Mg
Scheme	**ICP84B**	**ICP84B**	**ICP84B**	**ICP84B**	**ICP84B**	**ICP84B**
Units	**mg/l**	**mg/l**	**mg/l**	**mg/l**	**mg/l**	**mg/l**
Detection Limit	**0.12**	**0.02**	**0.02**	**0.11**	**0.02**	**0.02**
Leached residue	**<0.12**	**<0.02**	**<0.02**	**1.9**	**<0.02**	**1.2**
Leached residue - dup	**<0.12**	**<0.02**	**<0.02**	**1.9**	**<0.02**	**1.2**
ARLP Blank	**<0.12**	**<0.02**	**<0.02**	**0.14**	**<0.02**	**<0.02**

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	Mn	Mo	Na	Ni	P	S
Scheme	**ICP84B**	**ICP84B**	**ICP84B**	**ICP84B**	**ICP84B**	**ICP84B**
Units	**mg/l**	**mg/l**	**mg/l**	**mg/l**	**mg/l**	**mg/l**
Detection Limit	**0.01**	**0.05**	**0.05**	**0.05**	**0.53**	**0.6**
Leached residue	**0.37**	**<0.05**	**1.9**	**<0.05**	**<0.53**	**7.9**
Leached residue - dup	**0.41**	**<0.05**	**2.0**	**<0.05**	**<0.53**	**7.5**
ARLP Blank	**<0.01**	**<0.05**	**0.85**	**<0.05**	**<0.53**	**<0.6**

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	Sb	Si	Sn	Sr	Ti	V
Scheme	**ICP84B**	**ICP84B**	**ICP84B**	**ICP84B**	**ICP84B**	**ICP84B**
Units	**mg/l**	**mg/l**	**mg/l**	**mg/l**	**mg/l**	**mg/l**
Detection Limit	**0.31**	**0.3**	**0.34**	**0.02**	**0.02**	**0.07**
Leached residue	**<0.31**	**2.1**	**<0.34**	**0.18**	**<0.02**	**<0.07**
Leached residue - dup	**<0.31**	**3.3**	**<0.34**	**0.17**	**<0.02**	**<0.07**
ARLP Blank	**<0.31**	**<0.3**	**<0.34**	**<0.02**	**<0.02**	**<0.07**

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	Zn	Zr	Ag	As	Cd	Cr
Scheme	**ICP84B**	**ICP84B**	**IMS84T**	**IMS84T**	**IMS84T**	**IMS84T**
Units	**mg/l**	**mg/l**	**ppb**	**ppb**	**ppb**	**ppb**
Detection Limit	**0.17**	**0.05**	**5**	**0.5**	**0.5**	**1**
Leached residue	**<0.17**	**0.06**	**<5**	**4.7**	**<0.5**	**<1**
Leached residue - dup	**<0.17**	**0.06**	**<5**	**4.9**	**<0.5**	**<1**
ARLP Blank	**<0.17**	**<0.05**	**<5**	**<0.5**	**<0.5**	**<1**

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	Hg	Pb	Se	U	Cr6+	F
Scheme	**IMS84T**	**IMS84T**	**IMS84T**	**IMS84T**	**CLA21V**	**ISE07W**
Units	**ppb**	**ppb**	**ppb**	**ppb**	**mg/l**	**mg/l**
Detection Limit	**3**	**2**	**20**	**0.5**	**0.005**	**0.1**
Leached residue	**<3**	**<2**	**<20**	**11**	**<0.005**	**0.15**
Leached residue - dup	**<3**	**<2**	**<20**	**10**	**<0.005**	**0.11**
ARLP Blank	**<3**	**<2**	**<20**	**<0.2**	**<0.005**	**<0.1**

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TEST REPORT

	Cl
Scheme	**CLA27V**
Units	**mg/l**
Detection Limit	**5**
Leached residue	**<5**
Leached residue - dup	**<5**
ARLP Blank	**<5**

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APPENDIX A

Method 9-3-1A Au by Lead Fusion followed by Atomic Absorption Analysis or Gravimetric Analysis

Schemes:

FAALA01 FAGLA03
FAALA01D FAGLA04
FAGLA01 FAGLA05
FAGLA02

Method 9-3-5A Au, Pt, Pd by Lead Fusion and ICP-OES and ICP-MS

Schemes:

FAI313
FAM313

Method 9-3-9A Pt, Pd, Rh, Ru, Ir by Nickel Sulphide Fusion followed by ICP-OES and ICP-MS

Scheme:

FAI363

Method 9-6-1A Major Element Oxides by Borate fusion XRF

Scheme:

XRF79V

Method 9-6-6A Base Metals by Potassium Pyrosulphate Fusion XRF

Scheme:

XRF77R

Method 9-8-1A Acid Soluble Cu and Ni by Acid digestion and analysis by AAS

Scheme:

AAS13C

Method 9-9-1A Total Sulphur and Carbon by Leco Combustion Infra-Red Detection

Schemes:

CSALA01
CSALA06

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