SGS Lakefield Research Africa
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58 Melville Street
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Ronel O'Connell

R.O'Connell

TEST REPORT

Lab Ref	LA044995
Client Ref	**No order no. Valencia project**
Project	*
Product Code	
Status	Final
Received	05/02/08
Reported	01/04/08
Samples	2
First Sample	Leached residue
Last Sample	WASTE ROCK
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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TEST REPORT

	S*	SO4	SS_Diff	CO3	NAG_PH	NAG_4.5
Scheme	**CSALA06**	**CSA13V**	**CSA13V**	**CSA14V**	**CLA43V**	**CLA43V**
Units	**%**	**%**	**%**	**%**	**kg/t**	**kg/t**
Detection Limit	**0.01**	**0.03**	**0.01**	**0.05**	**0**	**0.2**
Leached residue	**0.07**	**0.18**	**0.01**	**0.31**	**10**	**<0.2**

- 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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	NAG_7.0	Ag	Ba	Be	Bi	Cd
Scheme	**CLA43V**	**AAS14E**	**ICP40D**	**ICP40D**	**ICP40D**	**ICP40D**
Units	**kg/t**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**
Detection Limit	**0.2**	**1**	**2**	**1**	**20**	**10**
Leached residue	**<0.2**	**<1**	**378**	**2**	**<20**	**<10**

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	Co	Cr	Cu	Li	Mg	Mn
Scheme	**ICP40D**	**ICP40D**	**ICP40D**	**ICP40D**	**ICP40D**	**ICP40D**
Units	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**
Detection Limit	**10**	**10**	**10**	**10**	**10**	**10**
Leached residue	**<10**	**10**	**20**	**20**	**3650**	**4870**

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	Mo	Na	Ni	P	Pb	Sb
Scheme	**ICP40D**	**ICP40D**	**ICP40D**	**ICP40D**	**ICP40D**	**ICP40D**
Units	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**
Detection Limit	**10**	**20**	**10**	**53**	**30**	**25**
Leached residue	**<10**	**2.61%**	**<10**	**280**	**40**	**<25**

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	Sn	Sr	Ti	U	V	Zn
Scheme	**ICP40D**	**ICP40D**	**ICP40D**	**ICP40D**	**ICP40D**	**ICP40D**
Units	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**
Detection Limit	**20**	**5**	**10**	**10**	**10**	**10**
Leached residue	**<20**	**63**	**1180**	**12**	**20**	**30**

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	Zr	Al	Ca	Fe	K	Si
Scheme	**ICP40D**	**ICP91B**	**ICP91B**	**ICP91B**	**ICP91B**	**ICP91B**
Units	**ppm**	**%**	**%**	**%**	**%**	**%**
Detection Limit	**10**	**0.02**	**0.5**	**0.02**	**0.02**	**0.1**
Leached residue	**80**	**6.93**	**1.0**	**1.53**	**4.65**	**25.8**

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	As	Hg	Se	Cl	F
Scheme	**IMS12Q**	**IMS12Q**	**IMS12Q**	**CLA04E**	**ISELA01**
Units	**ppm**	**ppm**	**ppm**	**%**	**%**
Detection Limit	**1**	**3**	**10**	**0.05**	**0.1**
Leached residue	**<1**	**<3**	**<20**	**<0.05**	**0.2**

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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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