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AMIS0108

Blank silica pulp

Certificate of Analysis

Major Element Informational values

ANALYTE	UNITS	METHOD	MEAN
AL ₂ O ₃	%	XRF	0.46
CaO	%	XRF	0.01
CL SQ	%		<0.01
Cr ₂ O ₃	%	XRF	<0.01
Fe ₂ O ₃	%	XRF	0.07
K ₂ O	%	XRF	0.11
LOI	%		0.18
MgO	%	XRF	<0.1
MnO	%	XRF	<0.01
Na ₂ O	%	XRF	<0.1
P ₂ O ₅	%	XRF	<0.01
S SQ	%		<0.01
SiO ₂	%	Calc	99.16
TiO ₂	%	XRF	0.02
V ₂ O ₅	%	XRF	<0.01

Minor Element Informational values

Analyte	Units	Method	mean
Ag	ppm	ICP MS	<0.5
As	ppm	ICP MS	<5
Au	ppb	FA ICP	<2
B	ppm	ICP OES	<20
Ba	ppm	ICP MS	<20
Be	ppm	ICP MS	<0.2
Bi	ppm	ICP MS	<0.2
Cd	ppm	ICP MS	<0.5
Ce	ppm	ICP MS	<10
Co	ppm	ICP OES	<5
Cr	ppm	ICP OES	<50
Cs	ppm	ICP MS	<0.3
Cu	ppm	ICP OES	<5
Dy	ppm	ICP MS	<0.4
Er	ppm	ICP MS	<0.3
Eu	ppm	ICP MS	<0.1
Ga	ppm	ICP MS	<0.5
Gd	ppm	ICP MS	<0.5

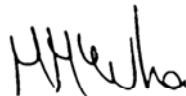
Analyte	Units	Method	mean
Ge	ppm	ICP MS	<20
Hf	ppm	ICP MS	<1
Ho	ppm	ICP MS	<0.1
In	ppm	ICP MS	<0.02
La	ppm	ICP MS	<4
Li	ppm	ICP MS	<2
Lu	ppm	ICP MS	<0.05
Mo	ppm	ICP MS	<0.5
Nb	ppm	ICP MS	<5
Nd	ppm	ICP MS	<3
Ni	ppm	ICP OES	<10
Pb	ppm	ICP MS	<5
Pd	ppb	FA ICP	<10
Pr	ppm	ICP MS	<1
Pt	ppb	FA ICP	<10
Rb	ppm	ICP MS	<10
Re	ppm	ICP MS	<0.1
Sb	ppm	ICP MS	<0.2

Analyte	Units	Method	mean
Sc	ppm	ICP OES	<1
Se	ppm	ICP MS	<5
Sm	ppm	ICP MS	<0.5
Sn	ppm	ICP MS	<2
Sr	ppm	ICP MS	<3
Ta	ppm	ICP MS	<0.3
Tb	ppm	ICP MS	<0.1
Te	ppm	ICP MS	<0.2
Th	ppm	ICP MS	<2
Tl	ppm	ICP MS	<0.1
Tm	ppm	ICP MS	<0.05
U	ppm	ICP MS	<0.5
V	ppm	ICP OES	<5
W	ppm	ICP MS	<0.5
Y	ppm	ICP MS	<2
Yb	ppm	ICP MS	<0.3
Zn	ppm	ICP OES	<20
Zr	ppm	ICP MS	<20

1. **Intended Use:** AMIS0108 is a fine blank pulp material suitable to test assay laboratory quality control procedures. The material should be routinely inserted within batches of samples to test for contamination or sample mixing in the assay process.
2. **Origin of Material:** This standard was made from coarse silica sand.
3. **Appearance:** The material comprises a fine white powder (Corstor 8N).
4. **Method of Preparation:** The material was crushed, dry-milled and air-classified to 100% <54µm. It was then blended in a bi-conical mixer, systematically divided and then sealed into 1kg Laboratory Packs. Samples were randomly selected for homogeneity testing and third party analysis. Statistical analysis for the consensus test results were carried out by an independent statistician. Explorer Packs are subdivided from the Laboratory packs as required.
5. **Methods of Analysis:** The QC samples were analysed by independent commercial laboratories. 33 samples were analysed for minor elements by one lab through ICP OES or ICP MS; and for Au, Pt and Pd by firing a 40 gm (approx) portion of the sample followed by ICP OES. Ten samples were analysed by another lab for major elements by fused disk XRF.
6. **Certification:** This material has been carefully prepared and tested but has not been submitted to a full inter-laboratory round robin.
7. **Availability:** This product is available in Laboratory Packs containing 1kg of material or in Explorer Packs containing client specified weights of material (from 50g up to 250g). Laboratory Packs are sealed bottles delivered in sealed foil pouches. Explorer Packs contain material in standard geochem envelopes placed into foil pouches that are nitrogen flushed and vacuum sealed.
8. **Legal notice:** This certificate and the blank material described in it have been prepared with due care and attention. However AMIS, Set Point Technology (Pty) Ltd, Dr Barry Smee and Mike McWha; accept no liability for any decisions or actions taken following the use of the material.

11 August 2009

Certifying officers:



African Mineral Standards: _____
Mike McWha
BSc (Hons), FGSSA, MSAIMM, Pr.Sci.Nat



Geochemist: _____
Barry W. Smee
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