## **GEOSTATS PTY LTD**

Mining Industry Consultants
Reference Material Manufacture and Sales

### Certified Pulp Iron Ore Reference Material

# GIOP-28

#### **Certified Control Values**

**Iron Ore Analyses** 

Element	Units	Grade	Standard Deviation	No of Analyses	95% Confidence
					Interval
Fe	%	56.1	0.26	97	+/- 0.05
Fe(Calc)	%	56.0	0.30	103	+/- 0.06
SiO2	%	9.33	0.214	104	+/- 0.041
AI2O3	%	5.54	0.116	105	+/- 0.022
TiO2	%	0.234	0.0070	103	+/- 0.0014
Mn	%	0.068	0.0048	104	+/- 0.0009
CaO	%	0.037	0.0045	105	+/- 0.0009
Р	%	0.213	0.0021	98	+/- 0.0004
S	%	0.018	0.0026	104	+/- 0.0005
MgO	%	0.348	0.0196	105	+/- 0.0037
K20	%	1.391	0.0366	105	+/- 0.007
LOI425	%	0.89	0.058	71	+/- 0.014
LOI650	%	1.64	0.092	82	+/- 0.02
LOI1000	%	2.15	0.066	100	+/- 0.013

## **CRM Details**

#### **Control Statistic Details**

Control values for this material were determined during a certification program.

#### **Certification Date**

This material was certified with the above values on: 26th November 2009

#### Source Material

Prior to homogenisation and testing, this material was sourced from:

Northern Territory

#### Material Type

Pulp Iron Ore, 10g samples.

#### <u>Usage</u>

This product is for use in the mining industry as reference materials for monitoring and testing the accuracy of laboratory assaying.

#### Preparation and Packaging

This reference material was dried in an oven for a minimum of 12 hours at 110C. The dry material is then crushed in a micron mill and homogenised in a vee-blender. The material is then stored in a sealed, stable container ready for final packaging.

Materials are statistically sampled from stores, then packaged into heat sealed, air tight, plastic packets ready for distribution. All packaging has been chosen to ensure minimal contamination from outside sources during shipment, use and storage.

#### Assay Testwork

This standard was tested in a dedicated certification program. 10 x 10g samples were sent to 4 laboratories for XRF analyses. Assay distributions are checked and processed statistically, producing monitoring statistics for these standards. Materials are t

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