

## Certified Pulp Iron Ore Reference Material - GIOP-107

### Certificate of Analysis

Analyte	Units	Average	Standard Deviation	Count	95% Confidence Interval
Fe	%	32.23	0.14	49	+/- 0.04
SiO <sub>2</sub>	%	49.76	0.22	50	+/- 0.06
Al <sub>2</sub> O <sub>3</sub>	%	0.246	0.01	47	+/- 0.003
TiO <sub>2</sub>	%	0.014	0.005	35	+/- 0.0017
Mn	%	0.037	0.0038	50	+/- 0.0011
CaO	%	3.523	0.027	49	+/- 0.008
P	%	0.0497	0.0012	50	+/- 0.0003
S	%	0.1871	0.0059	49	+/- 0.0017
MgO	%	1.257	0.014	50	+/- 0.004
K <sub>2</sub> O	%	0.0135	0.0038	49	+/- 0.0011
Zn	%	0.0047	0.003	30	+/- 0.0011
Pb	%	0.0032			
Cu	%	0.0045			
Ba	%	0.0047			
V	%	0.0017			
Cr	%	0.0026			
Cl	%	0.0058	0.002	31	+/- 0.0008
As	%	0.0044			
Ni	%	0.0032			
Co	%	0.0028			
Sn	%	0.0017			
Sr	%	0.0071			
Zr	%	0.0022			
Na	%	0.0279	0.009	50	+/- 0.0026
LOI <sub>425</sub>	%	-0.2	0.13	40	+/- 0.04
LOI <sub>650</sub>	%	-0.94	0.059	34	+/- 0.021
LOI	%	-1.224	0.044	47	+/- 0.013
FeO	%	15.9	0.53	47	+/- 0.16

#### 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:

20/07/2011

#### Source Material

Prior to homogenisation and testing, this material was sourced from  
 Yilgarn, Western Australia

#### Usage

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Email [info@geostats.com.au](mailto:info@geostats.com.au)  
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This product is for use in the mining industry as a reference material for monitoring and testing the accuracy of laboratory assaying.

#### **Preparation and Packaging**

This certified reference material was dried in an oven for a minimum of 8 hours at 105°C. The dry material was pulverised in a "puck and bowl" and then homogenised in a vee-blender. The material is then packaged into 10g plastic packets, ready for shipment.

#### **Certification Testwork**

This certified reference material was tested in a dedicated certification program. 10 samples were sent to 5 laboratories for XRF analyses. Assay distributions are checked and processed statistically, producing monitoring statistics for these standards. Materials are tested regularly to ensure stability and homogeneity.