

**Certified Pulp Iron Ore Reference Material - GIOP-75**

**Certificate of Analysis**

Analyte	Units	Average	Standard Deviation	Count	95% Confidence Interval
Fe	%	57.23	0.11	49	+/- 0.03
Fe (Calc)	%	57.245	0.061	49	+/- 0.018
SiO2	%	5.761	0.034	49	+/- 0.01
Al2O3	%	2.649	0.024	50	+/- 0.007
TiO2	%	0.143	0.0058	50	+/- 0.0017
Mn	%	0.0875	0.0029	50	+/- 0.0008
CaO	%	0.1564	0.006	50	+/- 0.0017
P	%	0.0394	0.00076	48	+/- 0.00022
S	%	0.014	0.0021	50	+/- 0.0006
MgO	%	0.1778	0.0095	50	+/- 0.0027
K2O	%	0.01048	0.00095	44	+/- 0.00029
Zn	%	0.0092	0.0012	39	+/- 0.0004
Pb	%	0.0033			
Cu	%	0.0029			
Ba	%	0.0022			
V	%	0.00312	0.0006	37	+/- 0.0002
Cr	%	0.0024			
Cl	%	0.0055			
As	%	0.0025			
Ni	%	0.0022			
Co	%	0.0031			
Sn	%	0.0055			
Sr	%	0.0024			
Zr	%	0.0044			
Na	%	0.0182	0.0061	35	+/- 0.0021
LOI425	%	8.029	0.07	48	+/- 0.02
LOI650	%	8.679	0.067	49	+/- 0.019
LOI	%	8.954	0.086	50	+/- 0.025

**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: 1/02/2011

**Source Material**

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

**Usage**

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**GEOSTATS PTY LTD**

Mining Industry Consultants  
Reference Material Manufacture and Sales

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.