

## Certified Pulp Iron Ore Reference Material - GIOP-65

### Certificate of Analysis

Analyte	Units	Average	Standard Deviation	Count	95% Confidence Interval
Fe	%	63.86	0.17	50	+/- 0.05
Fe (Calc)	%	63.895	0.057	44	+/- 0.018
SiO <sub>2</sub>	%	2.216	0.03	46	+/- 0.009
Al <sub>2</sub> O <sub>3</sub>	%	1.374	0.02	46	+/- 0.006
TiO <sub>2</sub>	%	0.0758	0.0061	50	+/- 0.0017
Mn	%	0.0659	0.0043	50	+/- 0.0012
CaO	%	0.0324	0.0048	50	+/- 0.0014
P	%	0.0554	0.0014	50	+/- 0.0004
S	%	0.0186	0.0012	49	+/- 0.0003
MgO	%	0.067	0.01	47	+/- 0.003
K <sub>2</sub> O	%	0.0068			
Zn	%	0.0034			
Pb	%	0.005			
Cu	%	0.0048			
Ba	%	0.0039			
V	%	0.002			
Cr	%	0.0039	0.0016	34	+/- 0.0006
Cl	%	0.018	0.0052	50	+/- 0.0015
As	%	0.0026			
Ni	%	0.0026			
Co	%	0.003			
Sn	%	0.0018			
Sr	%	0.0023			
Zr	%	0.0035			
Na	%	0.0166	0.0065	43	+/- 0.002
LOI <sub>425</sub>	%	4.087	0.06	49	+/- 0.017
LOI <sub>650</sub>	%	4.439	0.051	49	+/- 0.015
LOI	%	4.651	0.061	49	+/- 0.018

#### 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:

1/12/2010

#### Source Material

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

#### Usage

10A Marsh Close, O'Connor  
Western Australia 6163  
Phone +618 93142566 Fax +618 93143699  
Email [info@geostats.com.au](mailto:info@geostats.com.au)  
Website <http://www.geostats.com.au>



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.