

**GEOSTATS PTY LTD**  
Sample and Assay Monitoring Services

**GIOP-6**

Certified Iron Ore Reference Material

**GIOP-6**

Certified Control Values

Iron Ore Analyses					
Element	Units	Grade	Standard Deviation	No of Analyses	95% Confidence Interval
Fe	%	61.7	0.162	69	+/- 0.038
SiO2	%	3.42	0.064	45	+/- 0.019
Al2O3	%	1.27	0.023	45	+/- 0.007
P	%	0.055	0.0012	45	+/- 0.0004
S	%	0.017	0.0028	50	+/- 0.001
CaO	%	0.016	0.0060	47	+/- 0.002
TiO2	%	0.04	0.0072	50	+/- 0.002
Mn	%	0.296	0.0255	50	+/- 0.007
MgO	%	0.051	0.0151	42	+/- 0.005
K2O	%	0.010	0.0050	30	+/- 0.002
Na2O	%	0.015	0.0061	15	+/- 0.003
LOI	%	6.26	0.0406	42	+/- 0.012

CRM Details

<u>Control Statistic Details</u>		<u>Non-certified values</u>	
		Element	%
Control values for this material were determined during a certification program.		As	0.001
<b>Certification Date</b> This material was certified with the above values on: March 2006		Ba	0.009
<b>Source Material</b> Prior to homogenisation and testing, this material was sourced from: Pilbara		Co	0.006
<b>Material Type</b> Pulp Iron Ore, 10-20g samples.		Cr	0.003
<b>Usage</b> This product is for use in the mining industry as reference materials for monitoring and testing the accuracy of laboratory assaying.		Cu	0.001
<b>Preparation and Packaging</b> This standard was dried in an oven for a minimum of 12 hours at 110C. The dry material is then crushed and homogenised using a ball mill. 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.		Ni	0.003
<b>Assay Testwork</b> This standard was tested in a dedicated certification program. At least 5 x 10g samples were sent to 9 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.		Pb	0.004
		Sn	0.003
		V	0.004
		Zn	0.002
		Cl	0.005
		LOI400	5.541
		LOI650	0.388
		Sr	0.0005
		Zr	0.0005

10A Marsh Close, O'Connor, Western Australia 6163  
Phone : +61 8 9314 2566, Fax : +61 8 9314 3699  
e-mail : [pjh@geostats.com.au](mailto:pjh@geostats.com.au), [jcm@geostats.com.au](mailto:jcm@geostats.com.au)  
Website <http://www.geostats.com.au>

Geostats Pty Ltd, Certified Iron Ore Reference Material, Product Code: