

GEOSTATS PTY LTD
Sample and Assay Monitoring Services

GIOP-5

Certified Iron Ore Reference Material

GIOP-5

Certified Control Values

Iron Ore Analyses

Element	Units	Grade	Standard Deviation	No of Analyses	95% Confidence Interval
Fe	%	62.2	0.142	75	+/- 0.032
SiO2	%	2.52	0.078	59	+/- 0.02
Al2O3	%	1.30	0.050	59	+/- 0.013
P	%	0.047	0.0016	58	+/- 0.0004
S	%	0.013	0.0019	59	+/- 0.0005
CaO	%	0.031	0.0057	57	+/- 0.001
TiO2	%	na			
Mn	%	0.042	0.0076	59	+/- 0.002
MgO	%	0.061	0.0311	58	+/- 0.008
K2O	%	0.006	0.0020	30	+/- 0.001
Na2O	%	0.016	0.0056	8	+/- 0.004
LOI	%	6.85	0.1242	59	+/- 0.032

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:
August 2006

Source Material

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

Material Type

Pulp Iron Ore, 10-20g samples.

Usage

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 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.

Assay Testwork

This standard was tested in a dedicated certification program. Samples were sent to 11 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.

Non-certified values	
Element	%
Cl	0.022
As	0.002
Co	0.002
Sn	0.002
Sr	0.001
LOI400	6.116
LOI650	6.582

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