

GEOSTATS PTY LTD
Mining Industry Consultants
Reference Material Manufacture and Sales

GIOP-9

Certified Pulp Iron Ore Reference Material

GIOP-9

Certified Control Values

Iron Ore Analyses

Element	Units	Grade	Standard Deviation	No of Analyses	95% Confidence Interval
Fe2+	%	6.15	0.188	40	+/- 0.058
Total Fe	%	34.7	0.25	40	+/- 0.078
SiO2	%	40.3	0.22	40	+/- 0.069
Al2O3	%	1.85	0.041	40	+/- 0.0128
TiO2	%	0.121	0.0052	40	+/- 0.0016
CaO	%	1.29	0.022	40	+/- 0.0067
P	%	0.027	0.0009	30	+/- 0.0003
S	%	0.049	0.0037	40	+/- 0.0011
MgO	%	0.96	0.024	30	+/- 0.0087
K2O	%	0.207	0.0034	36	+/- 0.0011
Na2O	%	0.100	0.0096	30	+/- 0.0034
LOI	%	4.77	0.031	33	+/- 0.0105

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:
22nd of June 2007

Source Material

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

Material Type

Pulp Iron Ore, 10g 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 reference material was dried in an oven for a minimum of 12 hours at 110C. The dry material is then crushed in a micron mill and homogenised in a vee-blender. 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. 10 x 10g samples were sent to 4 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.

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

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