

GEOSTATS PTY LTD
Mining Industry Consultants
Reference Material Manufacture and Sales

GIOP-10

Certified Pulp Iron Ore Reference Material

GIOP-10

Certified Control Values

Iron Ore Analyses

Element	Units	Grade	Standard Deviation	No of Analyses	95% Confidence Interval
Fe2+	%	17.19	0.317	40	+/- 0.098
Total Fe	%	33.1	0.22	40	+/- 0.068
SiO2	%	36.6	0.10	30	+/- 0.037
Al2O3	%	1.23	0.023	40	+/- 0.0072
TiO2	%	0.084	0.0055	40	+/- 0.0017
CaO	%	2.82	0.036	40	+/- 0.0111
P	%	0.024	0.0008	30	+/- 0.0003
S	%	0.065	0.0019	30	+/- 0.0007
MgO	%	2.61	0.029	30	+/- 0.0105
K2O	%	0.116	0.0036	38	+/- 0.0011
Na2O	%	0.116	0.0091	30	+/- 0.0033
LOI	%	8.45	0.078	40	+/- 0.0243

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.

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