

Certified Pulp Iron Ore Reference Material - GIOP-108

Certificate of Analysis

Analyte	Units	Average	Standard Deviation	Count	95% Confidence Interval
Fe	%	34.73	0.15	49	+/- 0.04
SiO2	%	46.93	0.19	49	+/- 0.06
Al2O3	%	0.1985	0.0095	48	+/- 0.0028
TiO2	%	0.013			
Mn	%	0.0347	0.0039	48	+/- 0.0011
CaO	%	2.244	0.023	50	+/- 0.007
P	%	0.0617	0.0014	49	+/- 0.0004
S	%	0.1366	0.0053	50	+/- 0.0015
MgO	%	1.889	0.016	46	+/- 0.005
K2O	%	0.0119	0.0023	47	+/- 0.0007
Zn	%	0.0042	0.0029	30	+/- 0.0011
Pb	%	0.0038			
Cu	%	0.0046			
Ba	%	0.0041			
V	%	0.001			
Cr	%	0.0039			
Cl	%	0.006			
As	%	0.0042			
Ni	%	0.0043			
Co	%	0.0029			
Sn	%	0.0019			
Sr	%	0.0053			
Zr	%	0.0019			
Na	%	0.0242	0.0065	47	+/- 0.0019
LOI425	%	-0.164	0.072	38	+/- 0.024
LOI650	%	-0.914	0.066	36	+/- 0.023
LOI	%	-1.22	0.055	50	+/- 0.016

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: 20/07/2011

Source Material

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

Usage

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Email info@geostats.com.au
Website <http://www.geostats.com.au>

GEOSTATS PTY LTD

Mining Industry Consultants
Reference Material Manufacture and Sales

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.