

Certified Pulp Iron Ore Reference Material - GIOP-80

Certificate of Analysis

Analyte	Units	Average	Standard Deviation	Count	95% Confidence Interval
Fe	%	57.61	0.14	49	+/- 0.04
Fe (Calc)	%	57.61	0.13	50	+/- 0.04
SiO2	%	6.073	0.029	45	+/- 0.009
Al2O3	%	2.416	0.02	49	+/- 0.006
TiO2	%	0.1014	0.0045	50	+/- 0.0013
Mn	%	0.0509	0.0027	50	+/- 0.0008
CaO	%	0.0324	0.0043	50	+/- 0.0012
P	%	0.1216	0.0013	50	+/- 0.0004
S	%	0.0086	0.002	50	+/- 0.0006
MgO	%	0.0637	0.0064	46	+/- 0.0019
K2O	%	0.01066	0.00082	41	+/- 0.00026
Zn	%	0.0025			
Pb	%	0.0048			
Cu	%	0.0039			
Ba	%	0.003			
V	%	0.0027			
Cr	%	0.0027			
Cl	%	0.0044			
As	%	0.0027			
Ni	%	0.0033			
Co	%	0.0029			
Sn	%	0.011			
Sr	%	0.0036			
Zr	%	0.0048			
Na	%	0.015			
LOI425	%	7.677	0.063	48	+/- 0.018
LOI650	%	8.319	0.068	48	+/- 0.02
LOI	%	8.572	0.067	47	+/- 0.02

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: 1/02/2011

Source Material

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

Usage

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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.