

Certified Pulp Iron Ore Reference Material - GIOP-116

Certificate of Analysis

Analyte	Units	Average	Standard Deviation	Count	95% Confidence Interval
Fe	%	66.214	0.091	48	+/- 0.027
Fe (Calc)	%	66.185	0.076	49	+/- 0.022
SiO2	%	3.577	0.033	49	+/- 0.01
Al2O3	%	0.909	0.024	49	+/- 0.007
TiO2	%	0.1249	0.0082	49	+/- 0.0024
Mn	%	0.04	0.0017	45	+/- 0.0005
CaO	%	0.0898	0.0043	49	+/- 0.0013
P	%	0.01331	0.00074	49	+/- 0.00022
S	%	0.00428	0.00091	43	+/- 0.00028
MgO	%	0.0559	0.0064	49	+/- 0.0019
K2O	%	0.0088	0.0023	31	+/- 0.0008
Zn	%	0.0014			
Pb	%	0.0044			
Cu	%	0.0021			
Ba	%	0.0046			
V	%	0.0024			
Cr	%	0.0032			
Cl	%	0.0346	0.0068	50	+/- 0.002
As	%	0.0019			
Ni	%	0.0022			
Co	%	0.001			
Sn	%	0.0046			
Sr	%	0.0043			
Zr	%	0.0104	0.0045	38	+/- 0.0015
Na	%	0.035	0.0059	50	+/- 0.0017
LOI425	%	0.293	0.028	48	+/- 0.008
LOI650	%	0.381	0.036	50	+/- 0.01
LOI	%	0.404	0.035	50	+/- 0.01

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: 23/06/2011

Source Material

Prior to homogenisation and testing, this material was sourced from Cockatoo Island

Usage

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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.