

Certified Pulp Iron Ore Reference Material - GIOP-90

Certificate of Analysis

Analyte	Units	Average	Standard Deviation	Count	95% Confidence Interval
Fe	%	65.62	0.31	50	+/- 0.09
Fe (Calc)	%	65.62	0.3	50	+/- 0.09
SiO2	%	2.44	0.19	50	+/- 0.06
Al2O3	%	1.63	0.16	50	+/- 0.04
TiO2	%	0.0726	0.0083	50	+/- 0.0024
Mn	%	0.026	0.0038	49	+/- 0.0011
CaO	%	0.0406	0.0032	49	+/- 0.0009
P	%	0.1586	0.0021	49	+/- 0.0006
S	%	0.0093	0.0015	50	+/- 0.0004
MgO	%	0.052	0.011	50	+/- 0.003
K2O	%	0.16	0.018	50	+/- 0.005
Zn	%	0.0132	0.0019	50	+/- 0.0006
Pb	%	0.0062			
Cu	%	0.0072	0.0029	36	+/- 0.001
Ba	%	0.0073	0.003	34	+/- 0.0011
V	%	0.0022			
Cr	%	0.0019			
Cl	%	0.0093	0.0022	39	+/- 0.0007
As	%	0.0156	0.0035	50	+/- 0.001
Ni	%	0.0231	0.003	50	+/- 0.0009
Co	%	0.0021			
Sn	%	0.0069			
Sr	%	0.0053	0.0016	37	+/- 0.0005
Zr	%	0.0049			
Na	%	0.0123	0.0044	38	+/- 0.0015
LOI425	%	0.797	0.049	50	+/- 0.014
LOI650	%	1.058	0.06	50	+/- 0.017
LOI	%	1.248	0.061	49	+/- 0.018

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 Northern Territory

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.