

Certified Pulp Iron Ore Reference Material - GIOP-137

Certificate of Analysis

Analyte	Units	Average	Standard Deviation	Count	95% Confidence Interval
Fe	%	56.285	0.073	48	+/- 0.021
Fe Calc	%	56.285	0.08	49	+/- 0.023
SiO2	%	7.946	0.05	49	+/- 0.014
Al2O3	%	6.029	0.054	49	+/- 0.016
TiO2	%	0.3815	0.0057	49	+/- 0.0016
Mn	%	0.04	0.00087	50	+/- 0.00025
CaO	%	0.966	0.013	50	+/- 0.004
P	%	0.0579	0.0011	50	+/- 0.0003
S	%	0.0209	0.0015	50	+/- 0.0004
MgO	%	0.5292	0.0085	49	+/- 0.0025
K2O	%	0.0691	0.0015	50	+/- 0.0004
Zn	%	0.00233	0.00048	30	+/- 0.00018
Pb	%	0.0026			
Cu	%	0.0019			
Ba	%	0.0053	0.0025	34	+/- 0.0009
V	%	0.00726	0.00075	40	+/- 0.00024
Cr	%	0.0051	0.0011	39	+/- 0.0004
Cl	%	0.0032			
As	%	0.001			
Ni	%	0.00175	0.00072	32	+/- 0.00026
Co	%	0.0017			
Sn	%	0.0016			
Sr	%	0.0056	0.0028	44	+/- 0.0009
Zr	%	0.0079	0.0013	30	+/- 0.0005
Na	%	0.2205	0.0081	50	+/- 0.0023
LOI425	%	2.937	0.056	50	+/- 0.016
LOI650	%	3.138	0.031	38	+/- 0.01
LOI1000	%	3.111	0.035	39	+/- 0.012

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: 18/03/2014

Source Material

Prior to homogenisation and testing, this material was sourced from Composite of Pilbara and Simandou ore

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.