

Certified Pulp Iron Ore Reference Material - GIOP-122

Certificate of Analysis

Analyte	Units	Average	Standard Deviation	Count	95% Confidence Interval
Fe	%	60.31	0.14	59	+/- 0.04
Fe Calc	%	60.3	0.13	59	+/- 0.03
SiO ₂	%	3.937	0.038	59	+/- 0.01
Al ₂ O ₃	%	2.498	0.032	59	+/- 0.008
TiO ₂	%	0.0848	0.0054	59	+/- 0.0014
Mn	%	0.2252	0.0043	59	+/- 0.0011
CaO	%	0.0337	0.0048	59	+/- 0.0013
P	%	0.0637	0.0016	59	+/- 0.0004
S	%	0.0814	0.0056	58	+/- 0.0015
MgO	%	0.067	0.0092	58	+/- 0.0024
K ₂ O	%	0.0298	0.0025	59	+/- 0.0007
Zn	%	0.0034	0.0011	39	+/- 0.0004
Pb	%	0.002			
Cu	%	0.0335	0.0046	56	+/- 0.0012
Ba	%	0.0071			
V	%	0.0012			
Cr	%	0.0025			
Cl	%	0.0078	0.0029	42	+/- 0.0009
As	%	0.00497	0.00069	30	+/- 0.00026
Ni	%	0.0028			
Co	%	0.0018			
Sn	%	0.0044			
Sr	%	0.0105	0.0017	45	+/- 0.0005
Zr	%	0.0027			
Na	%	0.0254	0.0054	59	+/- 0.0014
LOI ₄₂₅	%	5.778	0.088	38	+/- 0.029
LOI ₆₅₀	%	6.202	0.035	48	+/- 0.01
LOI ₁₀₀₀	%	6.543	0.038	57	+/- 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:

19/02/2013

Source Material

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

Usage

10A Marsh Close, O'Connor
Western Australia 6163
Phone +618 93142566 Fax +618 93143699
Email info@geostats.com.au
Website <http://www.geostats.com.au>

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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 6 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.