

Certified Pulp Iron Ore Reference Material - GIOP-84

Certificate of Analysis

Analyte	Units	Average	Standard Deviation	Count	95% Confidence Interval
Fe	%	59.13	0.12	50	+/- 0.03
Fe (Calc)	%	59.133	0.097	50	+/- 0.028
SiO2	%	5.428	0.041	48	+/- 0.012
Al2O3	%	2.435	0.025	49	+/- 0.007
TiO2	%	0.2216	0.0096	50	+/- 0.0027
Mn	%	0.354	0.01	50	+/- 0.003
CaO	%	0.0504	0.0028	50	+/- 0.0008
P	%	0.04696	0.00088	50	+/- 0.00025
S	%	0.0274	0.0019	50	+/- 0.0005
MgO	%	0.0602	0.0085	49	+/- 0.0025
K2O	%	0.0195	0.0017	50	+/- 0.0005
Zn	%	0.0028			
Pb	%	0.0053			
Cu	%	0.0043			
Ba	%	0.0111	0.0034	41	+/- 0.0011
V	%	0.0023			
Cr	%	0.0037			
Cl	%	0.008	0.0016	40	+/- 0.0005
As	%	0.0026			
Ni	%	0.0022			
Co	%	0.0027			
Sn	%	0.0047			
Sr	%	0.0028			
Zr	%	0.0042			
Na	%	0.0164	0.0053	34	+/- 0.0019
LOI425	%	5.806	0.051	49	+/- 0.015
LOI650	%	6.362	0.038	46	+/- 0.011
LOI	%	6.597	0.059	50	+/- 0.017

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

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>



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.