

Certified Pulp Iron Ore Reference Material - GIOP-67

Certificate of Analysis

Analyte	Units	Average	Standard Deviation	Count	95% Confidence Interval
Fe	%	59.91	0.11	45	+/- 0.03
Fe (Calc)	%	59.918	0.061	46	+/- 0.018
SiO2	%	4.849	0.05	47	+/- 0.015
Al2O3	%	2.107	0.024	47	+/- 0.007
TiO2	%	0.0914	0.0064	50	+/- 0.0018
Mn	%	0.1811	0.0049	49	+/- 0.0014
CaO	%	0.0528	0.0067	50	+/- 0.0019
P	%	0.0346	0.0011	50	+/- 0.0003
S	%	0.0198	0.0012	50	+/- 0.0003
MgO	%	0.112	0.013	50	+/- 0.004
K2O	%	0.009			
Zn	%	0.0052	0.0016	31	+/- 0.0006
Pb	%	0.0063			
Cu	%	0.0034			
Ba	%	0.0057			
V	%	0.002			
Cr	%	0.0037	0.0012	32	+/- 0.0005
Cl	%	0.0087	0.0034	44	+/- 0.0011
As	%	0.0039			
Ni	%	0.0031			
Co	%	0.0031			
Sn	%	0.0025			
Sr	%	0.0026			
Zr	%	0.0054			
Na	%	0.0165	0.0076	37	+/- 0.0026
LOI425	%	5.912	0.06	48	+/- 0.018
LOI650	%	6.499	0.043	47	+/- 0.013
LOI	%	6.774	0.055	46	+/- 0.016

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: 1/12/2010

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.