

Certified Pulp Iron Ore Reference Material - GIOP-40

Certificate of Analysis

Analyte	Units	Average	Standard Deviation	Count	95% Confidence Interval
Fe	%	58.32	0.12	50	+/- 0.03
Fe (Calc)	%	58.354	0.087	49	+/- 0.025
SiO2	%	4.586	0.049	49	+/- 0.014
Al2O3	%	1.512	0.027	49	+/- 0.008
TiO2	%	0.066	0.0048	49	+/- 0.0014
Mn	%	0.0246	0.0038	50	+/- 0.0011
CaO	%	0.0571	0.0048	50	+/- 0.0014
P	%	0.0504	0.0018	50	+/- 0.0005
S	%	0.0076	0.0029	38	+/- 0.001
MgO	%	0.069	0.014	50	+/- 0.004
K2O	%	0.0045			
Zn	%	0.0019			
Pb	%	0.0041			
Cu	%	0.0024			
Ba	%	0.0015			
V	%	0.0025	0.00097	34	+/- 0.00034
Cr	%	0.003			
Cl	%	0.0049			
As	%	0.0018			
Ni	%	0.0026			
Co	%	0.0019			
Sn	%	0.0018			
Sr	%	0.0018			
Zr	%	0.0044			
Na	%	0.021			
LOI425	%	9.122	0.086	38	+/- 0.029
LOI650	%	9.807	0.069	37	+/- 0.023
LOI	%	10.04	0.13	50	+/- 0.04

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: 1/09/2010

Source Material

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

Usage

10A Marsh Close, O'Connor
Western Australia 6163
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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.