

Certified Pulp Iron Ore Reference Material - GIOP-120

Certificate of Analysis

Analyte	Units	Average	Standard Deviation	Count	95% Confidence Interval
Fe	%	2.826	0.021	40	+/- 0.007
Fe (Calc)	%	2.78	0.13	50	+/- 0.04
SiO2	%	85.75	0.26	50	+/- 0.07
Al2O3	%	0.03	0.011	39	+/- 0.004
TiO2	%	0.013			
Mn	%	0.0173	0.0024	50	+/- 0.0007
CaO	%	3.613	0.045	50	+/- 0.013
P	%	0.1296	0.0016	50	+/- 0.0005
S	%	0.00451	0.00097	45	+/- 0.0003
MgO	%	5.57	0.15	50	+/- 0.04
K2O	%	0.006			
Zn	%	0.0081			
Pb	%	0.0022			
Cu	%	0.0054			
Ba	%	0.008			
V	%	0.0015			
Cr	%	0.0192	0.0018	49	+/- 0.0005
Cl	%	0.009	0.0023	36	+/- 0.0008
As	%	0.0034			
Ni	%	0.0119	0.0032	50	+/- 0.0009
Co	%	0.0044			
Sn	%	0.01			
Sr	%	0.0063			
Zr	%	0.001			
Na	%	0.036	0.016	50	+/- 0.005
LOI425	%	0.117	0.032	50	+/- 0.009
LOI650	%	0.2	0.043	49	+/- 0.012
LOI	%	0.659	0.049	47	+/- 0.014

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: 21/07/2011

Source Material

Prior to homogenisation and testing, this material was sourced from Yilgarn, Western Australia

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>

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.