

Certified Pulp Iron Ore Reference Material - GIOP-43

Certificate of Analysis

Analyte	Units	Average	Standard Deviation	Count	95% Confidence Interval
Fe	%	62.39	0.12	48	+/- 0.03
Fe (Calc)	%	62.379	0.087	49	+/- 0.025
SiO ₂	%	4.707	0.053	48	+/- 0.016
Al ₂ O ₃	%	2.368	0.032	49	+/- 0.009
TiO ₂	%	0.1213	0.0057	50	+/- 0.0016
Mn	%	0.0821	0.005	50	+/- 0.0014
CaO	%	0.028	0.0041	49	+/- 0.0012
P	%	0.0587	0.0014	50	+/- 0.0004
S	%	0.024	0.0025	50	+/- 0.0007
MgO	%	0.0623	0.0099	50	+/- 0.0029
K ₂ O	%	0.0134	0.0028	44	+/- 0.0009
Zn	%	0.0017			
Pb	%	0.0047			
Cu	%	0.0027	0.0015	33	+/- 0.0005
Ba	%	0.0053			
V	%	0.0022			
Cr	%	0.0038	0.0013	40	+/- 0.0004
Cl	%	0.0088	0.0041	40	+/- 0.0013
As	%	0.0014			
Ni	%	0.0025			
Co	%	0.0012			
Sn	%	0.0018			
Sr	%	0.0022			
Zr	%	0.0042			
Na	%	0.012			
LOI ₄₂₅	%	2.241	0.049	38	+/- 0.016
LOI ₆₅₀	%	2.914	0.044	39	+/- 0.015
LOI	%	3.167	0.067	47	+/- 0.02

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
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.