

Certified Pulp Iron Ore Reference Material - GIOP-85

Certificate of Analysis

Analyte	Units	Average	Standard Deviation	Count	95% Confidence Interval
Fe	%	59.66	0.1	49	+/- 0.03
Fe (Calc)	%	59.642	0.07	50	+/- 0.02
SiO ₂	%	3.614	0.026	49	+/- 0.008
Al ₂ O ₃	%	1.581	0.017	49	+/- 0.005
TiO ₂	%	0.054	0.0057	50	+/- 0.0016
Mn	%	0.2429	0.007	50	+/- 0.002
CaO	%	0.0496	0.004	50	+/- 0.0012
P	%	0.044	0.0011	49	+/- 0.0003
S	%	0.0131	0.0019	50	+/- 0.0005
MgO	%	0.1054	0.0093	50	+/- 0.0027
K ₂ O	%	0.00962	0.00089	34	+/- 0.00031
Zn	%	0.0031			
Pb	%	0.0066			
Cu	%	0.0037			
Ba	%	0.0059			
V	%	0.00604	0.00066	40	+/- 0.00021
Cr	%	0.0028			
Cl	%	0.0059	0.0011	34	+/- 0.0004
As	%	0.0026			
Ni	%	0.0039			
Co	%	0.0053	0.0016	30	+/- 0.0006
Sn	%	0.0033			
Sr	%	0.0025			
Zr	%	0.0042			
Na	%	0.0168	0.0084	33	+/- 0.003
LOI ₄₂₅	%	8.1	0.065	50	+/- 0.019
LOI ₆₅₀	%	8.604	0.055	49	+/- 0.016
LOI	%	8.808	0.052	48	+/- 0.015

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.