

Certified Pulp Iron Ore Reference Material - GIOP-68

Certificate of Analysis

Analyte	Units	Average	Standard Deviation	Count	95% Confidence Interval
Fe	%	57.18	0.19	49	+/- 0.06
Fe (Calc)	%	57.222	0.083	46	+/- 0.025
SiO ₂	%	5.51	0.059	45	+/- 0.018
Al ₂ O ₃	%	4.126	0.045	46	+/- 0.014
TiO ₂	%	0.2228	0.0078	50	+/- 0.0022
Mn	%	0.1027	0.0091	49	+/- 0.0026
CaO	%	0.0414	0.0054	49	+/- 0.0016
P	%	0.0555	0.0013	49	+/- 0.0004
S	%	0.0293	0.0014	50	+/- 0.0004
MgO	%	0.063	0.013	50	+/- 0.004
K ₂ O	%	0.0173	0.0039	50	+/- 0.0011
Zn	%	0.0042			
Pb	%	0.0045			
Cu	%	0.0046			
Ba	%	0.0045			
V	%	0.00353	0.00091	38	+/- 0.0003
Cr	%	0.0051	0.0012	39	+/- 0.0004
Cl	%	0.011	0.0043	45	+/- 0.0013
As	%	0.0026			
Ni	%	0.0035			
Co	%	0.0031			
Sn	%	0.0044			
Sr	%	0.0029			
Zr	%	0.0037			
Na	%	0.0163	0.0075	36	+/- 0.0026
LOI ₄₂₅	%	6.779	0.065	47	+/- 0.019
LOI ₆₅₀	%	7.613	0.04	48	+/- 0.012
LOI	%	7.876	0.047	49	+/- 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:

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.