

Certified Pulp Iron Ore Reference Material - GIOP-37

Certificate of Analysis

Analyte	Units	Average	Standard Deviation	Count	95% Confidence Interval
Fe	%	62.53	0.11	49	+/- 0.03
Fe (Calc)	%	62.527	0.081	50	+/- 0.023
SiO ₂	%	3.877	0.039	49	+/- 0.011
Al ₂ O ₃	%	2.037	0.022	50	+/- 0.006
TiO ₂	%	0.0615	0.0045	50	+/- 0.0013
Mn	%	0.0959	0.0034	50	+/- 0.001
CaO	%	0.0341	0.0049	50	+/- 0.0014
P	%	0.1097	0.0019	49	+/- 0.0005
S	%	0.0159	0.0025	50	+/- 0.0007
MgO	%	0.0446	0.0095	50	+/- 0.0027
K ₂ O	%	0.0146	0.0031	43	+/- 0.001
Zn	%	0.0015			
Pb	%	0.004			
Cu	%	0.0027			
Ba	%	0.0046			
V	%	0.0014			
Cr	%	0.0013			
Cl	%	0.0109	0.0019	38	+/- 0.0006
As	%	0.0015			
Ni	%	0.002			
Co	%	0.0017			
Sn	%	0.0021			
Sr	%	0.0027			
Zr	%	0.0024			
Na	%	0.015	0.01	44	+/- 0.003
LOI ₄₂₅	%	3.276	0.061	36	+/- 0.021
LOI ₆₅₀	%	3.821	0.047	40	+/- 0.015
LOI	%	4.021	0.062	45	+/- 0.019

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>

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.