

Certified Pulp Iron Ore Reference Material - GIOP-42

Certificate of Analysis

Analyte	Units	Average	Standard Deviation	Count	95% Confidence Interval
Fe	%	61.7	0.15	50	+/- 0.04
Fe (Calc)	%	61.684	0.078	47	+/- 0.023
SiO ₂	%	2.743	0.034	50	+/- 0.01
Al ₂ O ₃	%	1.896	0.023	49	+/- 0.007
TiO ₂	%	0.0674	0.0056	50	+/- 0.0016
Mn	%	0.0541	0.0036	50	+/- 0.001
CaO	%	0.0172	0.0039	50	+/- 0.0011
P	%	0.0618	0.0012	45	+/- 0.0004
S	%	0.0137	0.0028	50	+/- 0.0008
MgO	%	0.045	0.01	49	+/- 0.003
K ₂ O	%	0.0049			
Zn	%	0.002			
Pb	%	0.0032			
Cu	%	0.0032	0.0018	34	+/- 0.0006
Ba	%	0.0016			
V	%	0.0012			
Cr	%	0.00222	0.00092	33	+/- 0.00033
Cl	%	0.0053			
As	%	0.002			
Ni	%	0.0046			
Co	%	0.0016			
Sn	%	0.0018			
Sr	%	0.0016			
Zr	%	0.0032			
Na	%	0.018			
LOI ₄₂₅	%	6.114	0.074	39	+/- 0.024
LOI ₆₅₀	%	6.603	0.039	34	+/- 0.014
LOI	%	6.76	0.11	47	+/- 0.03

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.