

Certified Pulp Iron Ore Reference Material - GIOP-66

Certificate of Analysis

Analyte	Units	Average	Standard Deviation	Count	95% Confidence Interval
Fe	%	59.49	0.12	46	+/- 0.04
Fe (Calc)	%	59.516	0.066	49	+/- 0.019
SiO ₂	%	4.099	0.036	47	+/- 0.011
Al ₂ O ₃	%	1.553	0.018	48	+/- 0.005
TiO ₂	%	0.0454	0.0058	50	+/- 0.0017
Mn	%	0.1609	0.0081	49	+/- 0.0023
CaO	%	0.0926	0.0056	50	+/- 0.0016
P	%	0.0439	0.0012	50	+/- 0.0004
S	%	0.0232	0.001	50	+/- 0.0003
MgO	%	0.052	0.013	50	+/- 0.004
K ₂ O	%	0.0107	0.0014	38	+/- 0.0005
Zn	%	0.0037			
Pb	%	0.0055			
Cu	%	0.0047			
Ba	%	0.0041			
V	%	<0.01			
Cr	%	0.0023			
Cl	%	0.007			
As	%	0.0036			
Ni	%	0.003			
Co	%	0.0032			
Sn	%	0.0046			
Sr	%	0.003			
Zr	%	0.0074			
Na	%	0.013			
LOI ₄₂₅	%	7.991	0.056	48	+/- 0.016
LOI ₆₅₀	%	8.502	0.054	49	+/- 0.016
LOI	%	8.691	0.045	48	+/- 0.013

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>

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.