

Certified Pulp Iron Ore Reference Material - GIOP-92

Certificate of Analysis

Analyte	Units	Average	Standard Deviation	Count	95% Confidence Interval
Fe	%	33.47	0.13	50	+/- 0.04
Fe (Calc)	%	33.46	0.13	50	+/- 0.04
SiO ₂	%	49.2	0.15	50	+/- 0.04
Al ₂ O ₃	%	0.1333	0.0079	50	+/- 0.0023
TiO ₂	%	0.01			
Mn	%	0.0231	0.0041	50	+/- 0.0012
CaO	%	1.537	0.021	50	+/- 0.006
P	%	0.0964	0.0018	50	+/- 0.0005
S	%	0.0283	0.0017	50	+/- 0.0005
MgO	%	2.224	0.014	50	+/- 0.004
K ₂ O	%	0.0132	0.0034	46	+/- 0.001
Zn	%	0.014	0.014	40	+/- 0.005
Pb	%	0.0058			
Cu	%	0.0052			
Ba	%	0.002			
V	%	0.0023			
Cr	%	0.0025			
Cl	%	0.0038			
As	%	0.0038			
Ni	%	0.0043	0.0038	30	+/- 0.0015
Co	%	0.0047			
Sn	%	0.0027			
Sr	%	0.01			
Zr	%	0.0014			
Na	%	0.0327	0.0052	40	+/- 0.0017
LOI ₄₂₅	%	-0.264	0.018	30	+/- 0.007
LOI ₆₅₀	%	-1.082	0.057	42	+/- 0.018
LOI	%	-1.295	0.035	50	+/- 0.01

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:

1/05/2011

Source Material

Prior to homogenisation and testing, this material was sourced from
 Yilgarn, Western Australia

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.