

Certified Pulp Iron Ore Reference Material - GIOP-114

Certificate of Analysis

Analyte	Units	Average	Standard Deviation	Count	95% Confidence Interval
Fe	%	31.53	0.1	40	+/- 0.03
SiO ₂	%	48.26	0.21	49	+/- 0.06
Al ₂ O ₃	%	1.071	0.022	50	+/- 0.006
TiO ₂	%	0.0437	0.0067	49	+/- 0.002
Mn	%	0.154	0.0035	50	+/- 0.001
CaO	%	2.697	0.036	50	+/- 0.01
P	%	0.0761	0.0011	50	+/- 0.0003
S	%	0.969	0.018	49	+/- 0.005
MgO	%	2.284	0.083	50	+/- 0.024
K ₂ O	%	0.112	0.0037	50	+/- 0.0011
Zn	%	0.1657	0.0069	50	+/- 0.002
Pb	%	0.0455	0.0041	49	+/- 0.0012
Cu	%	0.0208	0.0037	50	+/- 0.0011
Ba	%	0.0063	0.0027	34	+/- 0.001
V	%	0.0017			
Cr	%	0.0028			
Cl	%	0.0102	0.002	36	+/- 0.0007
As	%	0.019	0.0044	49	+/- 0.0013
Ni	%	0.0046			
Co	%	0.0039			
Sn	%	0.012			
Sr	%	0.0084			
Zr	%	0.0038			
Na	%	0.074	0.019	49	+/- 0.005
LOI ₄₂₅	%	-0.279	0.033	38	+/- 0.011
LOI ₆₅₀	%	-0.5	0.11	50	+/- 0.03
LOI	%	-0.349	0.063	49	+/- 0.018

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:

21/07/2011

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.