

Certified Pulp Iron Ore Reference Material - GIOP-104

Certificate of Analysis

Analyte	Units	Average	Standard Deviation	Count	95% Confidence Interval
Fe	%	29.83	0.15	50	+/- 0.04
SiO ₂	%	52.59	0.3	50	+/- 0.09
Al ₂ O ₃	%	0.526	0.017	49	+/- 0.005
TiO ₂	%	0.0283	0.0052	47	+/- 0.0016
Mn	%	0.0762	0.0036	50	+/- 0.001
CaO	%	2.168	0.02	50	+/- 0.006
P	%	0.1065	0.0016	43	+/- 0.0005
S	%	0.2414	0.0059	48	+/- 0.0017
MgO	%	2.535	0.028	50	+/- 0.008
K ₂ O	%	0.0409	0.0018	44	+/- 0.0005
Zn	%	0.006	0.0033	30	+/- 0.0013
Pb	%	0.0042			
Cu	%	0.0043			
Ba	%	0.0047			
V	%	0.0016			
Cr	%	0.0013			
Cl	%	0.0099	0.0021	37	+/- 0.0007
As	%	0.006			
Ni	%	0.0045			
Co	%	0.0031			
Sn	%	0.0017			
Sr	%	0.0069			
Zr	%	0.0017			
Na	%	0.0235	0.009	49	+/- 0.0026
LOI ₄₂₅	%	-0.1	0.037	36	+/- 0.013
LOI ₆₅₀	%	-0.693	0.054	36	+/- 0.019
LOI	%	-0.992	0.036	48	+/- 0.011

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:

20/07/2011

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.