

Certified Pulp Iron Ore Reference Material - GIOP-123

Certificate of Analysis

Analyte	Units	Average	Standard Deviation	Count	95% Confidence Interval
Fe	%	12.036	0.086	48	+/- 0.025
Fe Calc	%	12.032	0.094	48	+/- 0.028
SiO ₂	%	36.33	0.13	48	+/- 0.04
Al ₂ O ₃	%	25.46	0.12	38	+/- 0.04
TiO ₂	%	1.754	0.01	46	+/- 0.003
Mn	%	0.0795	0.0029	48	+/- 0.0009
CaO	%	4.665	0.029	48	+/- 0.008
P	%	0.0482	0.002	48	+/- 0.0006
S	%	0.0672	0.0032	48	+/- 0.0009
MgO	%	2.593	0.04	48	+/- 0.012
K ₂ O	%	0.3153	0.0076	48	+/- 0.0022
Zn	%	0.0058	0.0021	38	+/- 0.0007
Pb	%	0.0021			
Cu	%	0.0032			
Ba	%	0.0123	0.0038	46	+/- 0.0011
V	%	0.03282	0.00081	38	+/- 0.00027
Cr	%	0.017	0.0028	48	+/- 0.0008
Cl	%	0.0047			
As	%	0.0015			
Ni	%	0.0018			
Co	%	0.0015			
Sn	%	0.005			
Sr	%	0.0134	0.0031	48	+/- 0.0009
Zr	%	0.0336	0.0038	41	+/- 0.0012
Na	%	1.102	0.022	48	+/- 0.007
LOI425	%	8.53	0.11	33	+/- 0.04
LOI650	%	9.532	0.039	38	+/- 0.013
LOI1000	%	9.693	0.044	44	+/- 0.014

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:

19/02/2013

Source Material

Prior to homogenisation and testing, this material was sourced from
 Pilbara, WA

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>



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.