

Certified Iron Ore Reference Material - GIOP-99

Certificate of Analysis

Analyte	Units	Average	Standard Deviation	Count	95% Confidence Interval
Fe	%	31.7	0.15	50	+/- 0.04
SiO ₂	%	51.54	0.22	50	+/- 0.06
Al ₂ O ₃	%	0.2553	0.0065	47	+/- 0.0019
TiO ₂	%	0.0278	0.0059	49	+/- 0.0017
Mn	%	0.0248	0.0035	50	+/- 0.001
CaO	%	1.5672	0.0099	47	+/- 0.0029
P	%	0.1006	0.0016	50	+/- 0.0004
S	%	0.003	0.0015	41	+/- 0.0005
MgO	%	1.967	0.02	47	+/- 0.006
K ₂ O	%	0.039	0.0043	50	+/- 0.0012
Zn	%	0.0036			
Pb	%	0.0032			
Cu	%	0.0051			
Ba	%	0.0041			
V	%	0.0016			
Cr	%	0.0046			
Cl	%	0.0045			
As	%	0.0055			
Ni	%	0.003			
Co	%	0.0032			
Sn	%	0.0029			
Sr	%	0.007			
Zr	%	0.0023			
Na	%	0.0197	0.0056	46	+/- 0.0017
LOI ₄₂₅	%	-0.059	0.047	40	+/- 0.015
LOI ₆₅₀	%	-0.5	0.16	40	+/- 0.05
LOI	%	-0.984	0.043	49	+/- 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:

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 120C. The dry material was pulverised in an automated LM5 pulveriser 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.