

GEOSTATS PTY LTD

Mining Industry Consultants
Reference Material Manufacture and Sales

GIOC-6

Certified Coarse Iron Ore Reference Material

GIOC-6

Certified Control Values

Iron Ore Analyses

Element	Units	Grade	Standard Deviation	No of Analyses	95% Confidence Interval
Fe	%	61.26	0.19	40	+/- 0.07
Fe (Calc)	%	61.18	0.16	39	+/- 0.06
SiO2	%	3.10	0.08	40	+/- 0.03
Al2O3	%	2.17	0.06	39	+/- 0.03
TiO2	%	0.067	0.007	40	+/- 0.003
Mn	%	0.263	0.014	40	+/- 0.005
CaO	%	0.021	0.006	40	+/- 0.002
P	%	0.068	0.002	39	+/- 0.001
S	%	0.020			Indicative Only
MgO	%	0.050	0.009	30	+/- 0.004
K2O	%	0.008	0.003	40	+/- 0.001
Zn	%	0.004			Indicative Only
Pb	%	0.002			Indicative Only
Cu	%	0.015			Indicative Only
Ba	%	0.012			Indicative Only
V	%	0.001			Indicative Only
Cr	%	0.006			Indicative Only
Cl	%	0.013	0.005	30	+/- 0.003
As	%	0.008			Indicative Only
Ni	%	0.013			Indicative Only
Co	%	0.003			Indicative Only
Sn	%	0.002			Indicative Only
Sr	%	0.003			Indicative Only
Zr	%	0.003			Indicative Only
Na	%	0.015			Indicative Only
LOI400	%	5.61			Indicative Only
LOI650	%	6.36	0.19	40	+/- 0.07
LOI	%	6.50	0.17	40	+/- 0.06

CRM Details

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:
January 2009

Source Material

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

Material Type

Coarse Iron Ore, 2kg samples.

Usage

This product is for use in the mining industry as reference materials for monitoring and testing the accuracy of laboratory assaying.

Preparation and Packaging

This standard was dried in an oven for a minimum of 12 hours at 110C. The dry material is then crushed and homogenised using a ball mill. The material is then stored in a sealed, stable container ready for final packaging.

Materials are statistically sampled from stores, then packaged into heat sealed, air tight, plastic packets ready for distribution. All packaging has been chosen to ensure minimal contamination from outside sources during shipment, use and storage.

Assay Testwork

This standard was tested in a dedicated certification program. 10 x 10g pulp sub-samples were sent to 4 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.

10A Marsh Close, O'Connor, Western Australia 6163

Phone : +61 8 9314 2566, Fax : +61 8 9314 3699

e-mail : pjh@geostats.com.au, srr@geostats.com.au

Website <http://www.geostats.com.au>

Geostats Pty Ltd, Certified Iron Ore Reference Material, Product Code: