

# GEOSTATS PTY LTD

Mining Industry Consultants  
Reference Material Manufacture and Sales

## Certified Coarse Iron Ore Reference Material

# GIOC-3

## Certified Control Values

### Iron Ore Analyses

Element	Units	Grade	Standard Deviation	No of Analyses	95% Confidence Interval
Fe	%	60.6	0.12	38	+/- 0.04
Fe (Calc)	%	60.4	0.10	10	+/- 0.06
SiO <sub>2</sub>	%	3.42	0.064	40	+/- 0.02
Al <sub>2</sub> O <sub>3</sub>	%	2.53	0.083	40	+/- 0.026
TiO <sub>2</sub>	%	0.136	0.0085	40	+/- 0.0026
Mn	%	0.147	0.0135	40	+/- 0.0042
CaO	%	0.021	0.0050	40	+/- 0.0015
P	%	0.053	0.0010	40	+/- 0.0003
S	%	0.025	0.0028	40	+/- 0.0009
MgO	%	0.054	0.0169	39	+/- 0.0053
LOI <sub>400</sub>	%	6.11	0.083	20	+/- 0.036
LOI <sub>650</sub>	%	6.67	0.074	30	+/- 0.026
LOI	%	6.89	0.063	39	+/- 0.02

### 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:  
1st September 2008

#### 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.

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