

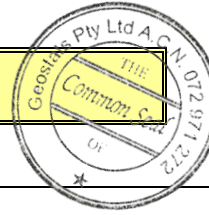
# GEOSTATS PTY LTD

Mining Industry Consultants  
Reference Material Manufacture and Sales

Certified Coarse Iron Ore Reference Material

## GIOC-14

Certified Control Values



**GIOC-14**

### Iron Ore Analyses

Element	Units	Grade	Standard Deviation	No of Analyses	95% Confidence Interval
Fe	%	60.10	0.10	47	+/- 0.04
Fe (Calc)	%	60.09	0.04	42	+/- 0.02
SiO <sub>2</sub>	%	5.78	0.04	48	+/- 0.02
Al <sub>2</sub> O <sub>3</sub>	%	1.21	0.02	50	+/- 0.01
TiO <sub>2</sub>	%	0.081	0.004	50	+/- 0.002
Mn	%	0.154	0.005	50	+/- 0.002
CaO	%	0.027	0.005	50	+/- 0.002
P	%	0.074	0.001	47	+/- 0.001
S	%	0.041	0.001	49	+/- 0.001
MgO	%	0.076	0.007	48	+/- 0.003
K <sub>2</sub> O	%	0.009	0.001	31	+/- 0.001
Zn	%	0.003			Indicative Only
Pb	%	0.003			Indicative Only
Cu	%	0.003			Indicative Only
Ba	%	0.005			Indicative Only
V	%	0.004	0.001	40	+/- 0.001
Cr	%	0.004	0.001	38	+/- 0.001
Cl	%	0.005			Indicative Only
As	%	0.022	0.001	48	+/- 0.001
Ni	%	0.003			Indicative Only
Co	%	0.002			Indicative Only
Sn	%	0.002			Indicative Only
Sr	%	0.002			Indicative Only
Zr	%	0.002			Indicative Only
Na	%	0.012			Indicative Only
LOI140	%	0.15	0.037	50	+/- 0.02
LOI371	%	5.48	0.051	49	+/- 0.02
LOI425	%	5.68	0.038	49	+/- 0.02
LOI650	%	6.09	0.03	48	+/- 0.02
LOI1000	%	6.38	0.04	47	+/- 0.02

### CRM Details

#### Control Statistic Details

Control values for this material were determined during a certification program. LOI results are based on drying at 105°C.

#### Certification Date

This material was certified with the above values on:  
8th September 2015

#### 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 to remove excess moisture. The dry material was crushed and screened to attain a 100% <4mm product. The crushed material was homogenised in a drum blender and rotary split into ~2kg

#### Assay Testwork

This standard was tested in a dedicated certification program. 50 random samples were pulverised and then 10 x 10g pulp sub-samples were sent to 5 laboratories for analyses. Assay distributions are checked and processed statistically, producing monitoring statistics for these standards.

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