

# GEOSTATS PTY LTD

Mining Industry Consultants  
Reference Material Manufacture and Sales

## Certified Coarse Iron Ore Reference Material

# DW181012

## Certified Control Values

### Iron Ore Analyses

Element	Units	Grade	Standard Deviation	No of Analyses	95% Confidence Interval
Fe	%	58.50	0.14	49	+/- 0.05
Fe (Calc)	%	58.45	0.06	40	+/- 0.03
SiO <sub>2</sub>	%	5.95	0.03	47	+/- 0.02
Al <sub>2</sub> O <sub>3</sub>	%	1.93	0.02	50	+/- 0.01
TiO <sub>2</sub>	%	0.309	0.005	50	+/- 0.002
Mn	%	0.052	0.003	50	+/- 0.001
CaO	%	0.038	0.005	48	+/- 0.002
P	%	0.063	0.002	50	+/- 0.001
S	%	0.018	0.002	50	+/- 0.001
MgO	%	0.082	0.007	50	+/- 0.003
K <sub>2</sub> O	%	0.019	0.001	47	+/- 0.001
Zn	%	0.004	0.002	30	+/- 0.001
Pb	%	0.004			Indicative Only
Cu	%	0.003			Indicative Only
Ba	%	0.006			Indicative Only
V	%	0.003	0.001	38	+/- 0.001
Cr	%	0.001			Indicative Only
Cl	%	0.004			Indicative Only
As	%	0.003			Indicative Only
Ni	%	0.004			Indicative Only
Co	%	0.003	0.002	30	+/- 0.001
Sn	%	0.004			Indicative Only
Sr	%	0.006			Indicative Only
Zr	%	0.008	0.004	34	+/- 0.002
Na	%	0.014			Indicative Only
LOI <sub>425</sub>	%	7.14	0.071	50	+/- 0.03
LOI <sub>650</sub>	%	7.65	0.05	50	+/- 0.02
LOI	%	7.80	0.08	50	+/- 0.03

### 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:  
29th January 2013

#### 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 packets.

#### 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.

10A Marsh Close, O'Connor, Western Australia 6163  
Phone : +61 8 9314 2566, Fax : +61 8 9314 3699  
e-mail : [pjh@geostats.com.au](mailto:pjh@geostats.com.au), [srr@geostats.com.au](mailto:srr@geostats.com.au)  
Website <http://www.geostats.com.au>

DW181012

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