

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 ₂	%	5.95	0.03	47	+/- 0.02
Al ₂ O ₃	%	1.93	0.02	50	+/- 0.01
TiO ₂	%	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 ₂ 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 ₄₂₅	%	7.14	0.071	50	+/- 0.03
LOI ₆₅₀	%	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.

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