

GEOSTATS PTY LTD
Mining Industry Consultants
Reference Material Manufacture and Sales

Certified Coarse Iron Ore Reference Material

GIOC-2

Certified Control Values

Iron Ore Analyses

Element	Units	Grade	Standard Deviation	No of Analyses	95% Confidence Interval
Fe	%	59.8	0.25	40	+/- 0.08
Fe (Calc)	%	59.8	0.18	40	+/- 0.05
SiO ₂	%	3.80	0.116	40	+/- 0.036
Al ₂ O ₃	%	2.72	0.077	40	+/- 0.024
TiO ₂	%	0.127	0.0075	40	+/- 0.0023
Mn	%	0.139	0.0124	40	+/- 0.0039
CaO	%	0.023	0.0085	40	+/- 0.0026
P	%	0.053	0.0014	40	+/- 0.0004
S	%	0.028	0.0014	39	+/- 0.0004
MgO	%	0.052	0.0109	30	+/- 0.0039
K ₂ O	%	0.010	0.0008	33	+/- 0.0003
LOI ₄₀₀	%	6.49	0.091	30	+/- 0.033
LOI ₆₅₀	%	7.07	0.104	40	+/- 0.032
LOI	%	7.31	0.110	40	+/- 0.034

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:
13th March 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. 40 samples were pulverised at the same laboratory and 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: