

GEOSTATS PTY LTD

Mining Industry Consultants
Reference Material Manufacture and Sales

Certified Coarse Iron Ore Reference Material

GIOC-5

Certified Control Values

Iron Ore Analyses

Element	Units	Grade	Standard Deviation	No of Analyses	95% Confidence Interval
Fe	%	54.8	0.19	39	+/- 0.06
Fe (Calc)	%	54.7	0.22	39	+/- 0.07
SiO ₂	%	6.96	0.141	38	+/- 0.045
Al ₂ O ₃	%	5.51	0.070	39	+/- 0.022
TiO ₂	%	0.317	0.0080	40	+/- 0.0025
Mn	%	0.092	0.0073	40	+/- 0.0022
CaO	%	0.041	0.0063	40	+/- 0.002
P	%	0.057	0.0016	40	+/- 0.0005
S	%	0.034	0.0022	30	+/- 0.0008
MgO	%	0.075	0.0229	39	+/- 0.0072
K ₂ O	%	0.027	0.0029	40	+/- 0.0009
LOI ₄₀₀	%	6.87	0.181	20	+/- 0.079
LOI ₆₅₀	%	8.08	0.146	29	+/- 0.053
LOI	%	8.37	0.174	40	+/- 0.054

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:
23rd December 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. Materi

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