

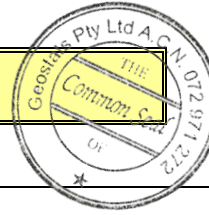
GEOSTATS PTY LTD

Mining Industry Consultants
Reference Material Manufacture and Sales

Certified Coarse Iron Ore Reference Material

GIOC-13

Certified Control Values



GIOC-13

Iron Ore Analyses

Element	Units	Grade	Standard Deviation	No of Analyses	95% Confidence Interval
Fe	%	57.38	0.16	49	+/- 0.05
Fe (Calc)	%	57.36	0.06	43	+/- 0.02
SiO ₂	%	4.42	0.04	44	+/- 0.02
Al ₂ O ₃	%	4.15	0.06	45	+/- 0.02
TiO ₂	%	0.153	0.007	49	+/- 0.002
Mn	%	0.245	0.008	49	+/- 0.003
CaO	%	0.017	0.005	49	+/- 0.002
P	%	0.068	0.002	49	+/- 0.001
S	%	0.016	0.002	49	+/- 0.001
MgO	%	0.098	0.007	48	+/- 0.002
K ₂ O	%	0.021	0.002	49	+/- 0.001
Zn	%	0.004	0.001	30	+/- 0.001
Pb	%	0.003			Indicative Only
Cu	%	0.003			Indicative Only
Ba	%	0.003			Indicative Only
V	%	0.003	0.001	40	+/- 0.001
Cr	%	0.008	0.001	39	+/- 0.001
Cl	%	0.004			Indicative Only
As	%	0.005	0.001	33	+/- 0.001
Ni	%	0.003			Indicative Only
Co	%	0.002			Indicative Only
Sn	%	0.001			Indicative Only
Sr	%	0.002			Indicative Only
Zr	%	0.004			Indicative Only
Na	%	0.010			Indicative Only
LOI140	%	0.19	0.040	49	+/- 0.02
LOI371	%	7.28	0.055	50	+/- 0.02
LOI425	%	7.52	0.059	44	+/- 0.02
LOI650	%	8.36	0.04	49	+/- 0.02
LOI1000	%	8.57	0.04	49	+/- 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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