

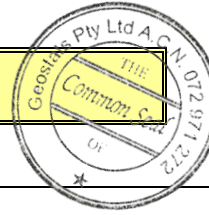
GEOSTATS PTY LTD

Mining Industry Consultants
Reference Material Manufacture and Sales

Certified Coarse Iron Ore Reference Material

GIOC-15

Certified Control Values



GIOC-15

Iron Ore Analyses

Element	Units	Grade	Standard Deviation	No of Analyses	95% Confidence Interval
Fe	%	57.43	0.15	50	+/- 0.05
Fe (Calc)	%	57.41	0.05	40	+/- 0.02
SiO ₂	%	4.24	0.03	48	+/- 0.01
Al ₂ O ₃	%	3.40	0.04	49	+/- 0.02
TiO ₂	%	0.166	0.005	50	+/- 0.002
Mn	%	0.361	0.009	49	+/- 0.003
CaO	%	0.047	0.006	48	+/- 0.002
P	%	0.117	0.001	47	+/- 0.001
S	%	0.068	0.001	46	+/- 0.001
MgO	%	0.080	0.006	47	+/- 0.002
K ₂ O	%	0.021	0.001	49	+/- 0.001
Zn	%	0.003			Indicative Only
Pb	%	0.002			Indicative Only
Cu	%	0.003			Indicative Only
Ba	%	0.005			Indicative Only
V	%	0.003	0.000	36	+/- 0.001
Cr	%	0.002			Indicative Only
Cl	%	0.008	0.002	40	+/- 0.001
As	%	0.007	0.001	40	+/- 0.001
Ni	%	0.003			Indicative Only
Co	%	0.002			Indicative Only
Sn	%	0.001			Indicative Only
Sr	%	0.002			Indicative Only
Zr	%	0.007	0.002	32	+/- 0.001
Na	%	0.011	0.005	32	+/- 0.002
LOI140	%	0.24	0.049	50	+/- 0.02
LOI371	%	7.82	0.053	50	+/- 0.02
LOI425	%	8.08	0.049	50	+/- 0.02
LOI650	%	8.65	0.05	50	+/- 0.02
LOI1000	%	9.01	0.05	50	+/- 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.

20 Hines Road, O'Connor, Western Australia 6163
Phone : +61 8 9314 2566, Fax : +61 8 9314 3699
e-mail : pjh@geostats.com.au, srr@geostats.com.au
Website <http://www.geostats.com.au>

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