

Certified Chromite Reference Material - GCR-01

Certificate of Analysis

Analyte	Units	Average	Standard Deviation	Count	95% Confidence Interval
TiO ₂	%	0.311	0.035	50	+/- 0.012
Fe ₂ O ₃	%	19.63	0.19	43	+/- 0.06
Al ₂ O ₃	%	11.31	0.11	50	+/- 0.04
SiO ₂	%	6.63	0.15	50	+/- 0.05
MnO	%	0.4448	0.0078	40	+/- 0.0027
CaO	%	0.052	0.013	47	+/- 0.005
Cr ₂ O ₃	%	44.95	0.48	44	+/- 0.16
MgO	%	14.59	0.13	47	+/- 0.04
SO ₃	%	0.048	0.016	50	+/- 0.005
P ₂ O ₅	%	0.0098			
K ₂ O	%	0.448	0.02	50	+/- 0.007
LOI1000	%	1.286	0.058	48	+/- 0.02

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: 21/12/2010

Source Material

Prior to homogenisation and testing, this material was sourced from Pulp Chromite

Usage

This product is for use in the mining industry as a reference material for monitoring and testing the accuracy of laboratory assaying.

Preparation and Packaging

This certified reference material was dried in an oven for a minimum of 8 hours at 120C. The dry material was pulverised in an LM2 pulveriser and then homogenised in a vee-blender. The material is then packaged into 10g plastic packets, ready for shipment.

Certification Testwork

This certified reference material was tested in a dedicated certification program. 10 samples were sent to 5 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.