

Certified Chromite Reference Material - GCR-04

Certificate of Analysis

Analyte	Units	Average	Standard Deviation	Count	95% Confidence Interval
TiO ₂	%	0.115	0.015	50	+/- 0.005
Fe ₂ O ₃	%	12.288	0.092	50	+/- 0.032
Al ₂ O ₃	%	0.42	0.029	43	+/- 0.01
SiO ₂	%	39.22	0.25	50	+/- 0.08
MnO	%	0.0422	0.0079	50	+/- 0.0027
CaO	%	0.039	0.018	50	+/- 0.006
Cr ₂ O ₃	%	0.701	0.021	50	+/- 0.007
MgO	%	36.29	0.15	50	+/- 0.05
SO ₃	%	0.093	0.018	50	+/- 0.006
P ₂ O ₅	%	0.0182	0.0056	40	+/- 0.0019
K ₂ O	%	0.02			
LOI1000	%	10.666	0.084	50	+/- 0.029

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.