

Certified Chromite Reference Material - GCR-06

Certificate of Analysis

Analyte	Units	Average	Standard Deviation	Count	95% Confidence Interval
TiO ₂	%	0.343	0.019	40	+/- 0.006
Fe ₂ O ₃	%	28.8	0.28	41	+/- 0.1
Al ₂ O ₃	%	8.72	0.13	47	+/- 0.04
SiO ₂	%	3.21	0.1	50	+/- 0.03
MnO	%	0.716	0.02	50	+/- 0.007
CaO	%	0.087	0.018	50	+/- 0.006
Cr ₂ O ₃	%	47.92	0.58	42	+/- 0.2
MgO	%	9.01	0.14	50	+/- 0.05
SO ₃	%	0.033	0.016	43	+/- 0.005
P ₂ O ₅	%	0.0096			
K ₂ O	%	0.0198	0.0073	40	+/- 0.0025
LOI1000	%	0.795	0.076	50	+/- 0.026

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.