

Certified Chromite Reference Material - GCR-02

Certificate of Analysis

Analyte	Units	Average	Standard Deviation	Count	95% Confidence Interval
TiO ₂	%	0.317	0.026	45	+/- 0.009
Fe ₂ O ₃	%	27.13	0.2	43	+/- 0.07
Al ₂ O ₃	%	6.87	0.11	49	+/- 0.04
SiO ₂	%	5.83	0.16	50	+/- 0.06
MnO	%	0.716	0.018	50	+/- 0.006
CaO	%	0.107	0.017	50	+/- 0.006
Cr ₂ O ₃	%	43.97	0.6	45	+/- 0.21
MgO	%	12.84	0.1	46	+/- 0.03
SO ₃	%	0.019	0.011	41	+/- 0.004
P ₂ O ₅	%	0.0071			
K ₂ O	%	0.03			
LOI1000	%	1.883	0.083	50	+/- 0.028

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.