

Certified Chromite Reference Material - GCR-05

Certificate of Analysis

Analyte	Units	Average	Standard Deviation	Count	95% Confidence Interval
TiO ₂	%	0.258	0.028	50	+/- 0.01
Fe ₂ O ₃	%	25.49	0.23	43	+/- 0.08
Al ₂ O ₃	%	11.53	0.16	50	+/- 0.05
SiO ₂	%	7.53	0.14	47	+/- 0.05
MnO	%	0.811	0.015	50	+/- 0.005
CaO	%	0.039	0.016	48	+/- 0.006
Cr ₂ O ₃	%	38.04	0.34	40	+/- 0.12
MgO	%	13.21	0.15	50	+/- 0.05
SO ₃	%	0.018	0.012	41	+/- 0.004
P ₂ O ₅	%	0.0089			
K ₂ O	%	0.015			
LOI1000	%	2.848	0.079	49	+/- 0.027

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.