

## Certified Chromite Reference Material - GCR-03

### Certificate of Analysis

Analyte	Units	Average	Standard Deviation	Count	95% Confidence Interval
TiO <sub>2</sub>	%	0.119	0.013	50	+/- 0.004
Fe <sub>2</sub> O <sub>3</sub>	%	12.28	0.1	50	+/- 0.04
Al <sub>2</sub> O <sub>3</sub>	%	0.494	0.056	50	+/- 0.019
SiO <sub>2</sub>	%	38.9	0.26	50	+/- 0.09
MnO	%	0.0296	0.0064	50	+/- 0.0022
CaO	%	0.039	0.019	50	+/- 0.006
Cr <sub>2</sub> O <sub>3</sub>	%	1.047	0.024	49	+/- 0.008
MgO	%	36.25	0.13	50	+/- 0.05
SO <sub>3</sub>	%	0.126	0.017	50	+/- 0.006
P <sub>2</sub> O <sub>5</sub>	%	0.0198	0.0055	41	+/- 0.0019
K <sub>2</sub> O	%	0.016			
LOI1000	%	10.641	0.067	48	+/- 0.023

#### 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.