

Certified Manganese Reference Material - GMN-04

Certificate of Analysis

Analyte	Units	Average	Standard Deviation	Count	95% Confidence Interval
Al ₂ O ₃	%	1.444	0.021	49	+/- 0.007
CaO	%	19.52	0.2	49	+/- 0.07
As	%	0.0028			
Cr	%	0.0018			
Cu	%	0.0038			
Ni	%	0.0041			
Cl	%	0.0148	0.0044	38	+/- 0.0015
Pb	%	0.0037			
S	%	0.0086	0.0028	49	+/- 0.001
Fe	%	3.293	0.058	50	+/- 0.02
K ₂ O	%	0.6465	0.0053	49	+/- 0.0018
MgO	%	13.27	0.2	50	+/- 0.07
MnO	%	17.33	0.16	49	+/- 0.06
Na ₂ O	%	0.049	0.023	49	+/- 0.008
P ₂ O ₅	%	0.1682	0.0052	50	+/- 0.0018
V ₂ O ₅	%	0.0041			
Zn	%	0.0065			
SiO ₂	%	8.12	0.11	50	+/- 0.04
TiO ₂	%	0.0562	0.0053	50	+/- 0.0018
SnO ₂	%	0.0017			
SrO	%	0.025	0.011	30	+/- 0.004
LOI	%	32.994	0.094	38	+/- 0.032
U	%	0.0027			
W	%	0.016			

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:

6/09/2011

Source Material

Prior to homogenisation and testing, this material was sourced from
nr

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

10A Marsh Close, O'Connor
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<p>GEOSTATS PTY LTD</p> <p>Mining Industry Consultants</p> <p>Reference Material Manufacture and Sales</p>

This certified reference material was dried in an oven for a minimum of 8 hours at 120C. The dry material was pulverised in an automated LM5 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.