

Certified Manganese Reference Material - GMN-02

Certificate of Analysis

Analyte	Units	Average	Standard Deviation	Count	95% Confidence Interval
Al ₂ O ₃	%	1.289	0.018	50	+/- 0.006
CaO	%	27.76	0.16	50	+/- 0.06
Cr	%	0.0035			
Ni	%	0.001			
Cl	%	0.0146	0.0035	36	+/- 0.0012
Pb	%	0.0077			
S	%	0.0093	0.0022	39	+/- 0.0007
Fe	%	0.651	0.017	50	+/- 0.006
K ₂ O	%	0.4858	0.0046	50	+/- 0.0016
MgO	%	18.84	0.26	50	+/- 0.09
MnO	%	0.2872	0.0081	50	+/- 0.0028
Na ₂ O	%	0.038	0.023	40	+/- 0.008
P ₂ O ₅	%	0.0797	0.0067	50	+/- 0.0023
V ₂ O ₅	%	0.01			
Zn	%	0.001			
SiO ₂	%	7.554	0.098	50	+/- 0.034
TiO ₂	%	0.0634	0.0075	50	+/- 0.0026
SnO ₂	%	0.0033			
SrO	%	0.02			
LOI	%	42.64	0.19	40	+/- 0.06
U	%	0.0015			
W	%	0.01			

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

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.

10A Marsh Close, O'Connor
Western Australia 6163
Phone +618 93142566 Fax +618 93143699
Email info@geostats.com.au
Website <http://www.geostats.com.au>

GEOSTATS PTY LTD

Mining Industry Consultants
Reference Material Manufacture and Sales

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.