

Certified Bauxite Reference Material - GBAP-9

Certificate of Analysis

Analyte	Units	Average	Standard Deviation	Count	95% Confidence Interval
SiO ₂	%	14.65	0.16	50	+/- 0.05
Al ₂ O ₃	%	44.37	0.19	50	+/- 0.05
CaO	%	0.022			
Fe ₂ O ₃	%	19.331	0.097	50	+/- 0.028
K ₂ O	%	0.0614	0.0035	50	+/- 0.001
MgO	%	0.0216	0.0073	37	+/- 0.0025
Na ₂ O	%	0.028			
P ₂ O ₅	%	0.0319	0.0064	50	+/- 0.0018
SO ₃	%	0.2183	0.0054	50	+/- 0.0016
TiO ₂	%	1.0049	0.0094	49	+/- 0.0027
MnO	%	<0.01			
BaO	%	0.01			
ZrO ₂	%	0.0432	0.0074	44	+/- 0.0023
V ₂ O ₅	%	0.0708	0.0039	50	+/- 0.0011
Cr ₂ O ₃	%	0.04	0.0045	49	+/- 0.0013
LOI1000	%	20.31	0.12	50	+/- 0.04

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: 1/12/2010

Source Material

Prior to homogenisation and testing, this material was sourced from Darling Range, Western Australia

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.

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.