

Certified Pulp Bauxite Reference Material - GBAP-10

Certificate of Analysis

Analyte	Units	Average	Standard Deviation	Count	95% Confidence Interval
SiO ₂	%	5.872	0.055	50	+/- 0.016
Al ₂ O ₃	%	52.15	0.11	50	+/- 0.03
CaO	%	0.023	0.0071	50	+/- 0.002
Fe ₂ O ₃	%	12.291	0.056	50	+/- 0.016
K ₂ O	%	0.01			
MgO	%	0.0272	0.0056	39	+/- 0.0018
Na ₂ O	%	0.024	0.01	40	+/- 0.003
P ₂ O ₅	%	0.0268	0.0033	40	+/- 0.0011
SO ₃	%	0.0713	0.0056	50	+/- 0.0016
TiO ₂	%	3.897	0.022	50	+/- 0.006
MnO	%	0.012			
BaO	%	0.018			
ZrO ₂	%	0.0752	0.0087	48	+/- 0.0026
V ₂ O ₅	%	0.1093	0.0058	50	+/- 0.0017
Cr ₂ O ₃	%	0.0514	0.0027	50	+/- 0.0008
LOI1000	%	25.422	0.097	50	+/- 0.028

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 105°C. The dry material was pulverised in a "puck and bowl" 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.