

Certified Pulp Bauxite Reference Material - GBAP-12

Certificate of Analysis

Analyte	Units	Average	Standard Deviation	Count	95% Confidence Interval
SiO ₂	%	33.39	0.15	50	+/- 0.04
Al ₂ O ₃	%	37.12	0.1	49	+/- 0.03
CaO	%	0.024			
Fe ₂ O ₃	%	8.557	0.057	49	+/- 0.016
K ₂ O	%	0.1004	0.002	50	+/- 0.0006
MgO	%	0.0171	0.008	38	+/- 0.0027
Na ₂ O	%	0.0196	0.0081	27	+/- 0.0033
P ₂ O ₅	%	0.0315	0.0065	50	+/- 0.0019
SO ₃	%	0.1105	0.005	50	+/- 0.0014
TiO ₂	%	0.8076	0.0094	50	+/- 0.0027
MnO	%	0.01			
ZrO ₂	%	0.069	0.0074	49	+/- 0.0022
V ₂ O ₅	%	0.0309	0.0035	50	+/- 0.001
Cr ₂ O ₃	%	0.0114	0.0031	38	+/- 0.001
LOI1000	%	19.8	0.1	50	+/- 0.03

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.