

Certified Pulp Bauxite Reference Material

GBAP-14

Certified Control Values

Analyte	Units	Grade	Standard Deviation	No of Analyses	95% Confidence Interval
SiO ₂	%	6.74	0.03	40	+/- 0.01
Al ₂ O ₃	%	35.07	0.15	60	+/- 0.04
CaO	%	0.03	0.01	60	+/- 0.01
Fe ₂ O ₃	%	40.67	0.25	60	+/- 0.07
K ₂ O	%	0.073	0.005	60	+/- 0.002
MgO	%	0.042	0.006	50	+/- 0.002
Na ₂ O	%	0.024	0.014	37	+/- 0.005
P ₂ O ₅	%	0.042	0.003	60	+/- 0.001
SO ₃	%	0.145	0.015	60	+/- 0.004
TiO ₂	%	2.502	0.036	60	+/- 0.01
MnO	%	0.017	0.004	60	+/- 0.002
BaO	%	0.006	Indicative Only		
ZrO ₂	%	0.062	0.003	60	+/- 0.001
V ₂ O ₅	%	0.177	0.004	60	+/- 0.002
Cr ₂ O ₃	%	0.122	0.006	60	+/- 0.002
As	%	0.003	Indicative Only		
LOI1000	%	14.32	0.14	58	+/- 0.04

CRM Details

Control Statistic Details

Control values for this material were determined during a dedicated certification program.

Certification Date

This material was certified with the above values on the 17th of January 2017.

Source Material

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

Material Type

Pulp Bauxite Ore, Mafic Protolith, 10g samples.

Usage

This product is for use in the mining industry as reference materials for monitoring and testing the accuracy of laboratory assaying.

Preparation and Packaging

This reference material was dried in an oven for a minimum of 8 hours at 105C. The dry material is then pulverised in a vibratory ball mill and homogenised in a vee-blender. The material is then stored in a sealed, stable container ready for final packaging.

Materials are statistically sampled from stores, then packaged into heat sealed, air tight, plastic packets ready for distribution. All packaging has been chosen to ensure minimal contamination from outside sources during shipment, use and storage.

Assay Testwork

This standard was tested in a dedicated certification program. 10 x 20g samples were sent to 6 laboratories for fusion / XRF analyses.

Assay distributions are checked and processed statistically, producing monitoring statistics for these standards. Materials are tested regularly to ensure stability and homogeneity.

Stability

This product remains stable in its original packaging, away from direct sunlight.

Material Safety

This product is not hazardous and non-toxic.

