

**GEOSTATS PTY LTD**  
Mining Industry Consultants  
Reference Material Manufacture and Sales

Certified Bauxite Reference Material

**GBAP-4**

Certified Control Values

Bauxite Analyses

Element	Units	Grade	Standard Deviation	No of Analyses	95% Confidence Interval
SiO <sub>2</sub>	%	4.36	0.057	39	+/- 0.018
Al <sub>2</sub> O <sub>3</sub>	%	51.2	0.19	39	+/- 0.06
Fe <sub>2</sub> O <sub>3</sub>	%	14.2	0.15	40	+/- 0.048
P <sub>2</sub> O <sub>5</sub>	%	0.072	0.0038	30	+/- 0.001
TiO <sub>2</sub>	%	3.34	0.041	40	+/- 0.013
ZrO <sub>2</sub>	%	0.181	0.0061	20	+/- 0.003
V <sub>2</sub> O <sub>5</sub>	%	0.043	0.0069	20	+/- 0.003
Cr <sub>2</sub> O <sub>3</sub>	%	0.027	0.0039	30	+/- 0.001
LOI	%	26.4	0.11	40	+/- 0.035

CRM Details

Control Statistic Details

Control values for this material were determined during a certification progra

Certification Date

This material was certified with the above values on:  
May 2006

Source Material

Prior to homogenisation and testing, this material was sourced from:  
Gove Peninsula, Northern Territory

Material Type

Pulp Bauxite

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 standard was dried in an oven for a minimum of 12 hours at 110oC. The dry material was then blended in a vee blender for approximately 12 hours. 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, 10g samples were sent to 4 laboratories for XRF and ICP analyses. Assay distributions are checked and processed statistically, producing monitoring statistics for these standards. Materials are tested regularly to ensure stability and homogeneity.

Non-certified values	
Element	%
CaO	0.011
K <sub>2</sub> O	0.025
MgO	0.034
SO <sub>3</sub>	0.100
MnO	<0.01
BaO	<0.01
Na <sub>2</sub> O	0.014

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**Geostats Pty Ltd, Certified Bauxite Reference Material, Product Code:**