

**GEOSTATS PTY LTD**  
Sample and Assay Monitoring Services

Certified Bauxite Reference Material

**GBAP-1**

Certified Control Values

Bauxite Analyses

Element	Units	Grade	Standard Deviation	No of Analyses	Confidence Interval
Fe	%	8.43	0.061	72	+/- 0.014
Al <sub>2</sub> O <sub>3</sub>	%	52.9	0.109	72	+/- 0.025
SiO <sub>2</sub>	%	3.90	0.089	72	+/- 0.02
P	%	na			
TiO <sub>2</sub>	%	3.53	0.068	75	+/- 0.015
LOI	%	27.0	0.078	74	+/- 0.018

CRM Details

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:  
June 2005

Source Material

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

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

All standards are dried in an oven for a minimum of 12 hours at 110oC. The dry material is then pulverised to better than 75 micron (nominal mean of 45 micron) using an Air Classifier. The material is then homogenised and stored in a sealed, stable container ready for final packaging.

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

Assay Testwork

All standards are tested thoroughly in the Geostats bi-annual laboratory survey. This involves assaying by a minimum of 50 reputable laboratories selected from across the world. Results are compiled into a comprehensive report detailing statistics for each standard. Assay distributions are checked and processed statistically, producing monitoring statistics for these standards. Materials are tested regularly to ensure stability and homogeneity.

10A Marsh Close, O'Connor, Western Australia 6163  
Phone : +61 8 9314 2566, Fax : +61 8 9314 3699  
e-mail : [pjh@geostats.com.au](mailto:pjh@geostats.com.au), [jcm@geostats.com.au](mailto:jcm@geostats.com.au)  
Website <http://www.geostats.com.au>

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