

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

**GBAP-2**

Certified Bauxite Reference Material

**GBAP-2**

Certified Control Values

**Bauxite Analyses**

Element	Units	Grade	Standard Deviation	No of Analyses	95% Confidence Interval
SiO <sub>2</sub>	%	17.81	0.207	40	+/- 0.064
Al <sub>2</sub> O <sub>3</sub>	%	41.9	0.258	40	+/- 0.08
Fe <sub>2</sub> O <sub>3</sub>	%	17.92	0.229	39	+/- 0.072
K <sub>2</sub> O	%	0.0360	0.0050	30	+/- 0.002
MgO	%	0.0433	0.0124	20	+/- 0.005
P <sub>2</sub> O <sub>5</sub>	%	0.0335	0.0062	28	+/- 0.002
TiO <sub>2</sub>	%	1.65	0.0360	40	+/- 0.011
MnO	%	0.0163	0.0048	20	+/- 0.002
ZrO <sub>2</sub>	%	0.122	0.0093	20	+/- 0.004
V <sub>2</sub> O <sub>5</sub>	%	0.0670	0.0032	20	+/- 0.001
Cr <sub>2</sub> O <sub>3</sub>	%	0.0266	0.0042	30	+/- 0.001
LOI	%	20.2	0.0890	38	+/- 0.028

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:  
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 110°C. 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	%
BaO	0.0088
CaO	0.012
Na <sub>2</sub> O	0.019
SO <sub>3</sub>	0.070

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