

# GEOSTATS PTY LTD

Mining Industry Consultants  
Reference Material Manufacture and Sales

## Certified Pulp Bauxite Reference Material

# GBAP-17

### Certified Control Values

Analyte	Units	Grade	Standard Deviation	No of Analyses	95% Confidence Interval
SiO <sub>2</sub>	%	16.02	0.21	60	+/- 0.06
Al <sub>2</sub> O <sub>3</sub>	%	40.01	0.17	58	+/- 0.05
CaO	%	0.041	0.004	58	+/- 0.002
Fe <sub>2</sub> O <sub>3</sub>	%	18.42	0.25	60	+/- 0.07
K <sub>2</sub> O	%	0.184	0.008	60	+/- 0.003
Na <sub>2</sub> O	%	0.030	0.016	40	+/- 0.006
P <sub>2</sub> O <sub>5</sub>	%	0.080	0.002	56	+/- 0.001
SO <sub>3</sub>	%	1.20	0.04	50	+/- 0.02
TiO <sub>2</sub>	%	1.62	0.02	60	+/- 0.01
V <sub>2</sub> O <sub>5</sub>	%	0.042	0.003	60	+/- 0.001
Ga <sub>2</sub> O <sub>3</sub>	%	0.009	0.001	43	+/- 0.001
LOI1000	%	19.79	0.18	59	+/- 0.05

### 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 14th of April 2023.

#### Source Material

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

#### Material Type

Pulp Bauxite Ore, 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 puck-and-bowl mills 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.

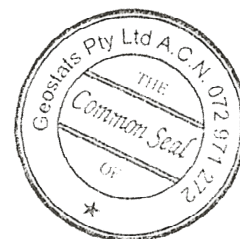
Assay distributions are checked and processed statistically, producing monitoring statistics for these standards. Materials are tested regularly to ensure stability and homogeneity.

#### Stability

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

#### Material Safety

This product is not hazardous and non-toxic.



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