



## Chemical Composition of Gerstley Borate

As a service to our customers, we had a qualified, independent agency do an analysis of a sampling of the Gerstley Borate we have been supplying for years and will continue to supply. The result is as follows...

| SiO <sub>2</sub> (%) | Al <sub>2</sub> O <sub>3</sub> (%) | Fe <sub>2</sub> O <sub>3</sub> -T(%) | MnO(%)                            | MgO(%)                            | CaO(%) |                |
|----------------------|------------------------------------|--------------------------------------|-----------------------------------|-----------------------------------|--------|----------------|
| 14.8                 | 0.98                               | 0.425                                | 0.024                             | 3.54                              | 19.4   |                |
| Na <sub>2</sub> O(%) | K <sub>2</sub> O(%)                | TiO <sub>2</sub> (%)                 | P <sub>2</sub> O <sub>5</sub> (%) | B <sub>2</sub> O <sub>3</sub> (%) | LOI(%) | Trace minerals |
| 3.95                 | 0.399                              | 0.050                                | 0.053                             | 26.8                              | 29.5   | <b>.079</b>    |

There have been rumors that this product would become unavailable very soon. Those reports are wholly inaccurate. The supply\* will last for many years, and because it is a stockpile (not a changing source from an active mine) the chemical analysis will remain quite consistent. This product has also been tested in the traditional "Floating Blue" glaze (see image) and the results were excellent.



\* 3000 tons or 6,000,000 pounds as of 6/18/2011