



## CERTIFICATE OF ANALYSIS

Mail To:

Product: Principio White  
Package: Bulk  
PO:  
Ship Date:  
Batch #:

Ship To:

Ship From: Chesapeake Minerals  
1079 Belvidere Rd.  
Port Deposit, MD 21904

### GRADATION<sup>1</sup>

| US Sieve No. | % Retained |
|--------------|------------|
| 30           | 0.1        |
| 40           | 3.9        |
| 50           | 31.3       |
| 70           | 29.1       |
| 100          | 22.6       |
| 140          | 11.4       |
| 200          | 1.4        |
| 270          | 0.2        |

### CHEMISTRY

| Oxide                                | Grab <sup>2</sup> | Previous Month <sup>3</sup> |
|--------------------------------------|-------------------|-----------------------------|
| Fe <sub>2</sub> O <sub>3</sub> (ppm) | 63                |                             |
| Al <sub>2</sub> O <sub>3</sub> (ppm) |                   | 76                          |
| Cr <sub>2</sub> O <sub>3</sub> (ppm) |                   | < 1                         |
| CaO (ppm)                            |                   | 20                          |
| MgO (ppm)                            |                   | < 33                        |
| SiO <sub>2</sub> (%)                 |                   | > 99                        |

This Certificate of Analysis has been reviewed and the product it represents has been approved for shipment to Corning by:

Kyle Bailey  
Quartz Manager

### Notes:

- 1 Reported gradation is determined by analysis of composite batch sample.
- 2 Reported concentrations determined by averaging the results of each grab sample collected per batch.
- 3 Reported concentrations determined by 3rd-party analysis of composite collected from the previous month.