



VANSIL®

CS-1

Wollastonite Natural Calcium Silicate

TECHNICAL DATA

Wollastonite, a natural calcium silicate mineral, is unique among soil amendments as a source of silicon and carbon-neutral calcium. **VANSIL®** wollastonite is sourced from a Vanderbilt Minerals deposit and processing facility in northern New York state. It is the only OMRI certified wollastonite mined and milled in the United States.

VANSIL products are made by crushing, drying and milling the wollastonite ore. The same ore is used for all grades, which differ only in particle size distribution. **VANSIL** wollastonite is not contacted by flotation chemicals or chemical treatments of any kind. Because it is milled natural ore, elemental analysis can show natural minor variations.

TYPICAL CHEMICAL ANALYSIS (CALCULATED AS OXIDES)

| | |
|--|--------|
| Calcium Oxide (CaO) | 44.1% |
| Silicon Dioxide (SiO ₂) | 51.3% |
| Aluminum Oxide (Al ₂ O ₃) | 1.1% |
| Magnesium Oxide (MgO) | 1.7% |
| Iron Oxide (Fe ₂ O ₃) | 0.2% |
| Sodium Oxide (Na ₂ O) | < 0.1% |
| Manganese Oxide (MnO) | < 0.1% |
| Ignition Loss (1000°C) | 1.1% |

TYPICAL PROPERTIES BY GRADE

| | VANSIL® CS-1 |
|--------------------|--------------|
| pH, 10 % slurry | 10 - 11 |
| +325 Mesh Residue | 19% |
| Median Size, µm*: | 23 |
| % >1 µm | 95 |
| % >10 µm | 70 |
| % >100 µm | 18 |
| *Laser diffraction | |

CONTACT INFORMATION

For samples, product information and/or technical service please contact Vanderbilt Minerals, LLC or the Vanderbilt representative in your area:

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