

**Powdered
Food Grade Bentonite**

Revised 07/03/01

VOLCLAY® KWK 200

General Description	Powdered sodium bentonite with an average particle size of less than 200 mesh.																		
Functional Use	Used in the “fining” step of processing wine, juice, cider, and vinegar for the removal of suspended solids. Particularly useful in preventing cloudiness and removing heat-sensitive proteins.																		
Purity	Hydrous aluminum silicate comprised principally of the clay mineral montmorillonite. Volclay KWK meets the purity requirements of the Food Chemicals Codex.																		
Chemical Formula	Diocahedral smectite, an expanding layer silicate: $(\text{Na,Ca})_{0.33}(\text{Al}_{1.67}\text{Mg}_{0.33})\text{Si}_4\text{O}_{10}(\text{OH})_2 \cdot n\text{H}_2\text{O}$																		
Elemental Composition	Typical analysis – moisture free. <table><tr><td>SiO₂</td><td>63.02 %</td></tr><tr><td>Al₂O₃</td><td>21.08 %</td></tr><tr><td>Fe₂O₃</td><td>3.25 %</td></tr><tr><td>FeO</td><td>0.35 %</td></tr><tr><td>MgO</td><td>2.67 %</td></tr><tr><td>Na₂O</td><td>2.57 %</td></tr><tr><td>CaO</td><td>0.65 %</td></tr><tr><td>Trace</td><td>0.72 %</td></tr><tr><td>LOI</td><td>5.64 %</td></tr></table>	SiO ₂	63.02 %	Al ₂ O ₃	21.08 %	Fe ₂ O ₃	3.25 %	FeO	0.35 %	MgO	2.67 %	Na ₂ O	2.57 %	CaO	0.65 %	Trace	0.72 %	LOI	5.64 %
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Moisture	Maximum 12% as shipped.																		
Dry Particle Size	Minimum 80% finer than 200 mesh.																		
Wet Particle Size	Minimum 94% finer than 200 mesh (74 microns). Minimum 92% finer than 325 mesh (44 microns).																		
pH	8.0 - 10.5 @ 5% solids.																		
Free Swell	Minimum 28 mls per 2 grams of clay.																		
Packaging	50 or 100 pound multi-wall paper bags, or bulk																		

Disclaimer: The information and data contained herein are believed to be accurate and reliable. ACC makes no warranty of any kind and accepts no responsibility for the results obtained through application of this information