

**Wine Grade - Fining Agent
Sodium Bentonite**

Revised 8/28/09

VOLCLAY® KWK AGGLOMERATED

General Description	Premium sodium bentonite granules, agglomerated from KWK Food Grade – the industry standard. This product is processed to be a super-dispersing bentonite.		
Functional Use	Used for the clarification of wine, juice, cider and vinegar. Agglomerated KWK efficiently removes suspended colloidal particles. This high-purity bentonite has a high montmorillonite content, large surface area, and contains low grit. Agglomerated KWK is effective at preventing cloudiness and removing heat sensitive proteins. Agglomerated KWK is the fastest dispersing wine-grade bentonite.		
Purity	Hydrous aluminum silicate comprised principally of the clay mineral montmorillonite. Volclay Agglomerated KWK meets all 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.		
	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 %	
Moisture	Maximum 12% as shipped.		
Dry Particle Size	Maximum 20% retained on 30 mesh (600 microns). Maximum 15% passing 100 mesh (150 microns).		
Wet Particle Size	Minimum 95% passing 200 mesh (74 microns).		
pH	8.5 to 10.5 @ 5% solids	Viscosity	10-50 cps @ 5% solids
Free Swell	Minimum 24 mls per 2 grams	Bulk Density	60-65 lbs/ft ³
Packaging	50 pound multi-wall paper bags, or bulk bags.		

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