

Volclay KWK[®]

Application: Wine Grade- Fining Agent, Sodium Bentonite

TYPICAL ANALYSIS

General Description	Premium sodium bentonite granules, Volclay KWK [®] remains the industry gold standard product. This product is processed to create a super-dispersing dust-free granule.																
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 aluminium silicate comprised principally of the clay mineral montmorillonite. Volclay KWK [®] meets all requirements of the International Oneology Codex (IOC) for heavy metals including very low iron content.																
Chemical Formula	Diocahedral smectite, an expanding layer silicate: $(\text{Na,Ca})_{0.33}(\text{Al}_{1.67}\text{Mg}_{0.33})\text{Si}_4\text{O}_{10}(\text{OH})_2 \cdot n\text{H}_2\text{O}$																
Moisture	12% max as shipped																
Viscosity	10 - 50 cps @ 5% solids																
pH	8.5 – 10.5 @ 2% solids																
Bulk Density	60-65lbs/ft ³																
Free Swell	Minimum 24mls per 2g																
Dry Particle Size	Maximum 20% retained on 30 mesh (600 micron)																
Wet Particle Size	Minimum 95% less than 200 mesh (75 micron)																
Elemental Analysis (Moisture Free)	<table border="0"> <tr> <td>SiO₂</td> <td>63.02%</td> <td>Al₂O₃</td> <td>21.08%</td> </tr> <tr> <td>MgO</td> <td>2.67%</td> <td>Fe₂O₃</td> <td>3.25%</td> </tr> <tr> <td>CaO</td> <td>0.65%</td> <td>Na₂O</td> <td>2.57%</td> </tr> <tr> <td>FeO</td> <td>0.35%</td> <td>LOI</td> <td>5.64%</td> </tr> </table>	SiO ₂	63.02%	Al ₂ O ₃	21.08%	MgO	2.67%	Fe ₂ O ₃	3.25%	CaO	0.65%	Na ₂ O	2.57%	FeO	0.35%	LOI	5.64%
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Heavy Metals (IOC test method)	<table border="0"> <tr> <td>As < 0.2 mg/kg</td> <td>Pb 2-3 mg/kg</td> </tr> </table>	As < 0.2 mg/kg	Pb 2-3 mg/kg														
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Packaging	5 ply multi wall paper bags (25 kg) or bulk bags																

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