

Description

VITIBEN® is a clarifying agent and is designed to "fine" or remove undesirable compounds from wine and juice. These compounds include phenolics, proteins, and tannins, which are present in the fruit and result from natural enzyme reaction during processing and aging. Undesirable compounds cause haze, browning reactions, off-flavors, post-bottling settling, and poor shelf life. The fining agent, VITIBEN® absorbs and coagulates these undesirable substances so they can be easily filtered out during fining or clarification. Since the VITIBEN® agent is filtered out as well, it is unnecessary to list it as an ingredient on the product's label. The VITIBEN® clarifying agent is GRAS (Generally Recognized As Safe) and is certified as kosher by The Scroll K. The VITIBEN® Bentonite agent is inventoried as a processing aid for the wine and beverage clarification industries in the Codex Alimentarius International Code of Standards (Volume 1A-1999).

Applications/Functions

- Wine and juice clarifying agent

Advantages

- As VITIBEN® is filtered out it does not need to be listed as an ingredient.
- Disperses in cold water.

Screen Analysis

	Typical	Specification
• Dry screen, percent plus 16 mesh	•	• 5.0 Max
• Dry screen, percent minus 70 mesh	•	• 10 Max
• Dry screen, percent minus 200 mesh	•	• 5.0 Max

Properties

	Typical	Specification
• Moisture, percent	•	• 12 Max
• Specific Gravity	• 2.7	•
• Bulk Density (lbs/ft ³ compacted)	• 73	•
• Bulk Density (lbs/ft ³ uncompactd)	• 65	•

MINERAL COMPOSITION		CHEMICAL ANALYSIS			EXTRACTABLE TRACE MINERALS*						
88-92%	Montmorillonite	SiO ₂	58.6%	Na ₂ O	2.0%	Arsenic (As)	<0.5	Chromium (Cr)	<0.5	Selenium (Se)	<0.8
0-6%	Quartz	Al ₂ O ₃	19.6%	K ₂ O	0.4%	Barium (Ba)	<2.0	Lead (Pb)	<0.5	Silver (Ag)	<0.05
0-2%	Feldspar (albite)	Fe ₂ O ₃	3.7%	CaO	1.2%	Cadmium (Cd)	<0.1	Mercury (Hg)	<0.001		
0-1%	Chrisobalite	MgO	2.2%	Water	9.8%						
0-2%	Biotite & Mica										

*EPA SW-846, 40 CFR Chapter 1, Appendix II to Part 261-TCLP Test Method 1311

Availability

VITIBEN® can be purchased through any Bentonite Performance Minerals LLC assigned Reseller. To locate the BPM Reseller nearest you, contact the Customer Service Department in Houston or your area BPM Regional Sales Manager.

Bentonite Performance Minerals LLC

A Halliburton Company

3000 N. Sam Houston Pkwy E.

Houston, TX 77032-3219

www.bentonite.com

Customer Service (281) 871-7900 **Fax** (281) 871-7940

Technical Service (717) 432-3627 **Alternate** (717) 645-0471