

VITIBEN[®] Fine Bentonite

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 Category: Product Data Sheet

TYPICAL PHYSICAL PROPERTIES*

SCREEN ANALYSIS	TYPICAL	SPECIFICATION
Dry Screen, percent minus 200 mesh	75	67.5 min
Wet Screen, percent plus 200 mesh	1.2	

PHYSICAL PROPERTIES

Moisture content, percent	9	12 max
Swell Index (ml)	28.0	
pH, 6% suspension	9.6	
Specific Gravity	2.7	
Bulk Density (lbs per ft ³) uncompactd	49	
Bulk Density (lbs per ft ³) compactd	72	

* The typical physical values listed are not to be construed as rigid specifications.

The typical physical and chemical values listed are not to be construed as rigid specifications. Metals listed in the chemical analysis are complexed in the mineral. They do not necessarily exist as free oxides. The chemical analysis of a typical Wyoming bentonite is reported on the basis of elements. This convention eliminates the presumption that silicon is present as silica (SiO₂).

MINERAL COMPOSITION

92%	Sodium Montmorillonite
4%	Quartz
3%	Feldspar (albite)
1%	Biotite
100%	TOTAL

CHEMICAL ANALYSIS

Silicon	29.80%	Sodium	1.80%
Aluminum	10.60%	Potassium	0.42%
Iron	2.60%	Hydrogen	1.19%
Magnesium	1.40%	Oxygen	51.50%
		Calcium	0.69%
		TOTAL	100.00%

EXTRACTABLE TRACE METALS** mg/l

Arsenic (As)	0.01	Chromium (Cr)	0.05	Selenium (Se)	0.01
Barium (Ba)	0.1	Lead (Pb)	0.1	Silver (Ag)	0.01
Cadmium (Cd)	0.01	Mercury (Hg)	0.002		

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

VITIBEN[®] Bentonite is inventoried as a processing aid for the wine and beverage clarification industries in the Codex Alimentarius International Code of Standards (Section 5, Food Additives, Volume 1A-1999).

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