

TECHNICAL INFORMATION SHEET

CHARLES B. CHRYSTAL CO, INC.

689 Mamaroneck Ave.
Mamaroneck, NY 10543
Tel: 914 777 3330 Fax: 914 777 3035
info@cbcrystal.com
founded 1897

Industrial
minerals merchants

SUBJECT: BENTONITE WINE GRADE 30

Specially sized pure sodium bentonite for clarification uses.

COLOR: Light Gray

TYPICAL CHEMICAL ANALYSIS:	<u>%</u>
SiO ₂	60.34
Al ₂ O ₃	19.28
Fe ₂ O ₃	3.48
Na ₂ O	2.34
TiO ₂	.22
CaO	.38
MgO	1.67
K ₂ O	.10
Other	.07
H ₂ O	7.75
L.O.I.	4.37

E.P. TOXICITY ANALYSIS:

	E.P.A. Standard <u>ppm</u>	Typical Analysis <u>ppm</u>
Arsenic	5.0	< 0.1
Barium	100.0	0.5
Cadmium	1.0	< 0.05
Chromium	5.0	< 0.1
Lead	5.0	< 0.1
Mercury	0.2	< 0.02
Selenium	1.0	< 0.05
Silver	5.0	< 0.1

SPECIFIC GRAVITY: 2.55 ± 0.1

BULK DENSITY (lbs/ft³): 64 ± 2

SPECIFICATIONS:

93% Passing 16 Mesh
5% Maximum Passing 50 Mesh

TYPICAL PARTICLE SIZE:

<u>U.S. Std. Sieve Size</u>	<u>% Passing</u>
10 mesh	.2
16 mesh	1.8
20 mesh	49.3
40 mesh	48.2
50 mesh	.2
-50 mesh	.5

TYPICAL CHARACTERISTICS:

Moisture Content - %	6 - 9
pH	9.1 ± 0.4
Cation Exchange Capacity (CEC meq(100 gm))	60-80

USES:

Flocculation and agglomeration aid for wine clarification.