

CHARLES B. CHRYSTAL CO., INC

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INDUSTRIAL MINERALS SINCE 1897

BENTONITE GRANULAR GRADES

These are pure, sodium Bentonites produced as a granular material for use when larger particles size and free-of-dust are valuable properties

CHEMICAL ANALYSIS:

SiO ₂	60.34%
Al ₂ O ₃	3.98%
Na ₂ O	2.34%
TiO ₂	.22%
CaO	.38%
MgO	1.67%
K ₂ O	.10%
Other	.07%

PHYSICAL ANALYSIS:

Color	Light Gray
LOI	4.37%
Moisture	Less 10% guaranteed, 6-8% typical
Density	65 lbs/cu. ft.
Spec. Gravity	2.55
Cation Exchange Capacity	70-90 CEC meg (100 gr)
Swell	18-22 cc/2 gr.

E.P. TOXICITY ANALYSIS:

	E.P.A. Standard	Typical Analysis
	ppm	ppm
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

PARTICLES SIZE ANALYSIS:

Grade	CH 12	CH 30	ENVIROGEL30
US Stand. Mesh	% Retained	% Retained	% Retained
8	0.6		
10	3.1	0.2	0.2
16	22.5	1.0	1.8
20	13.1	33.6	49.3
40	33.1	58.8	48.2
50	8.8	4.1	0.2
60	2.8		
100	8.1		
200	4.6		
pan	2.7	2.5	0.5

Grade	FS 6	FS 8	FS 20
US Stand Mesh	% Retained	%Retained	%Retained
4	1.0		
8		17.8	0.1
10	95.0	19.6	2.7
16		54.3	78.6
20		7.3	16.8
40		0.6	0.8
-40		0.4	1.0

ORIGIN: U.S.A.

PACKING: 100 lbs paper bags 35 per pallet
Supersacks 1000 kilos, other sizes on request