



FreFlo

Alden, IA

FreFlo Calcium Carbonate is a blend of granular products processed from quarried high calcitic limestone in Alden with calcium content ranging 38.0% or above.

% Ca	38.85
%CaCO ₃	97.13

Typical Analyses	
Mg	0.18%
Si	0.28%
Fe	0.24%
Na	0.03%
K	0.02%
S	0.16%
Mn	0.01%
P	0.01%
Cl	0.03%
Al	0.04%
Pb	14 ppm
Cd	0.54 ppm
V	2.1 ppm
H ₂ O	< 0.05%
Bulk Density	(lbs./cu.ft.)
Loose:	92
Packed:	100

% Acid Solubility	
Average	54.21
Maximum	57.44
Minimum	47.94

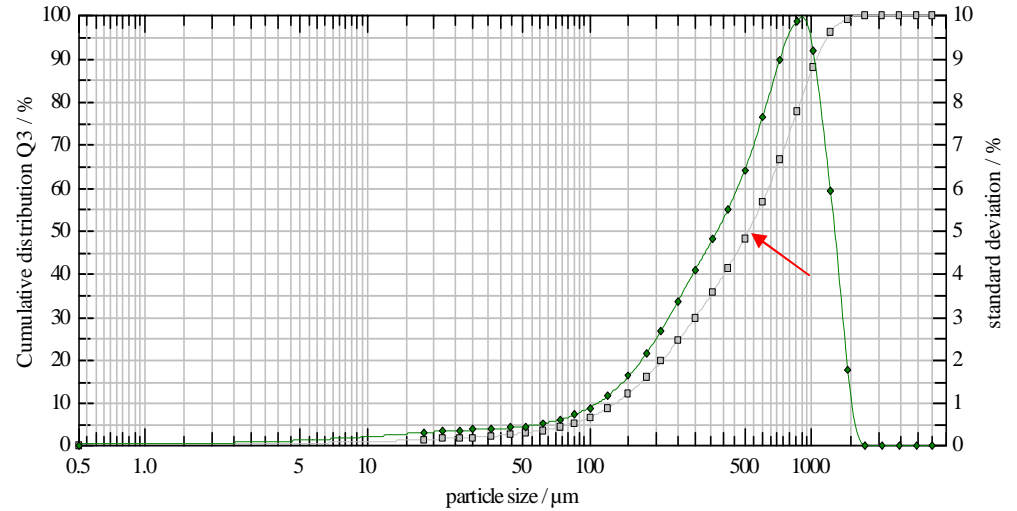
Surface Area (Sq.cm)/gm= 179
 Number Particles per gm= 529,065

Particle Distribution--U.S.Screen Comparison			
12 X 80 mesh			
Micron Size	U.S.Screen	% Retained	% Passing
1700	12	0.13	99.9
1000	18	13.23	86.6
710	25	21.24	65.4
425	40	23.88	41.5
250	60	17.43	24.1
180	80	8.48	15.6
75	200	11.38	4.2
30	PAN	4.23	
TOTAL		100.00	

Particle Size Measurement -- Laser Diffraction**

Average Particle Size = **536.24** microns

Ave particle size: half of the particles are above and half are below this point on the "S" shaped cumulative distribution graph.



μm = micron (1/1000 of a millimeter)

**Cumulative Distribution (% Passing through...)

Microns	%	Microns	%	Microns	%
3500	100	500	48.03	74	4.16
2940	100	420	41.09	62	3.37
2460	100	360	35.57	52	2.80
2060	100	300	29.59	44	2.39
1740	100	250	24.09	36	2.00
1460	99.10	210	19.33	30	1.71
1220	95.86	180	15.62	26	1.52
1020	87.97	150	11.90	22	1.32
860	77.36	120	8.38	18	1.11
720	66.23	100	6.32		
600	56.37	86	5.08		