



Industrial Lime #3

Alden, IA

IndLime#3 Calcium Carbonate is a large granular product processed from quarried high calcitic limestone in Alden, IA with calcium content ranging 38.0% or above.

% Ca	39.14
%CaCO ₃	97.85

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:	78
Packed:	84

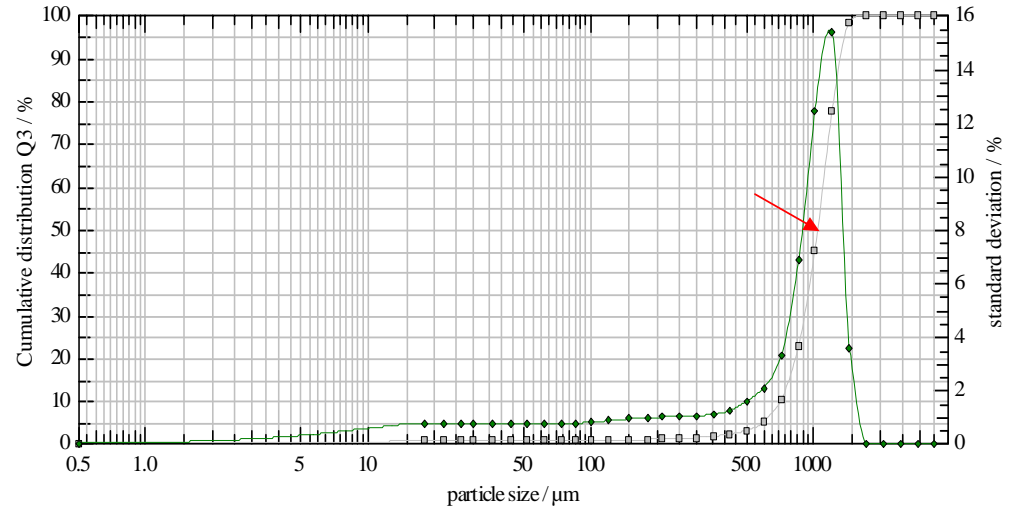
Surface Area (Sq.cm)/gm= 54
 Number Particles per gm= 1,998

Particle Distribution--U.S.Screen Comparison			
12 X 40 mesh			
Micron Size	U.S.Screen	% Retained	% Passing
1700	12	0.3	99.7
1000	18	57.7	42.1
710	25	32.3	9.8
425	40	7.7	2.1
212	70	1.1	1.0
75	200	0.4	0.6
30	PAN	0.6	
TOTAL		100.0	

Particle Size Measurement -- Laser Diffraction**

Average Particle Size = **1060.19** 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	2.86	74	0.60
2940	100	420	1.99	62	0.59
2460	100	360	1.58	52	0.59
2060	100	300	1.29	44	0.58
1740	100	250	1.09	36	0.58
1460	98.21	210	0.95	30	0.57
1220	77.59	180	0.84	26	0.57
1020	44.89	150	0.76	22	0.57
860	22.45	120	0.69	18	0.53
720	10.22	100	0.63		
600	4.94	86	0.60		