Industrial Lime 325

Alden, IA

Ind. Lime 325 is a finely ground *CaCO3* product processed in Alden from quarried high calcium limestone with minimum calcium content of 38%

Particle Size Measurement -- Laser Diffraction

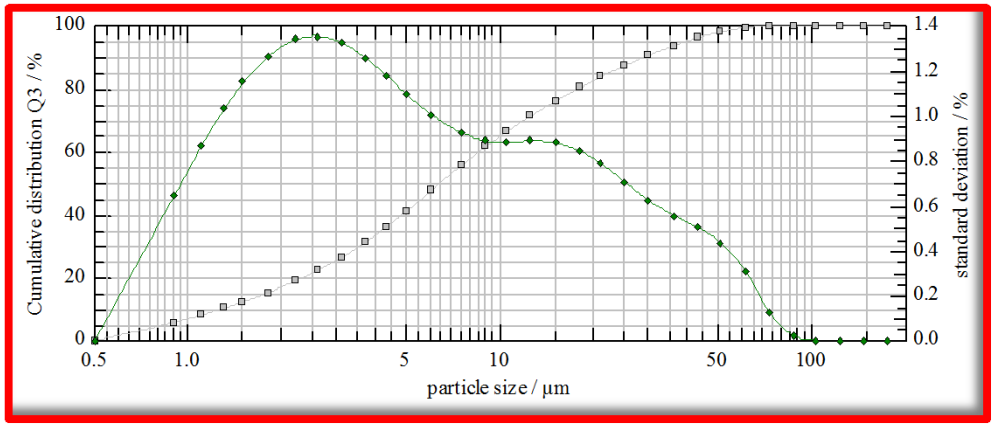
Average Particle Size = 6.45 microns

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

% Ca	**38.52**
%$CaC0_3$	**96.30**

Typical Analyses		
Magnesium (Mg)	0.118	%
Silicon (Si)	0.07	%
Silica (SiO_2)	0.14	%
Iron (Fe)	0.145	%
Sodium (Na)	0.021	%
Potassium (K)	0.009	%
Sulfur (S)	0.888	%
Manganese (Mn)	0.015	%
Phosphorus (P)	0.007	%
Chloride (Cl)	0.004	%
Chromium (Cr)	7	ppm
Aluminum (Al)	107	ppm
Boron (B)	10	ppm
Barium (Ba)	< 5	ppm
Lead (Pb)	< 5	ppm
Nickel (Ni)	< 5	ppm
Cobalt (Co)	< 5	ppm
Copper (Cu)	29	ppm
Zinc (Zn)	118	ppm
Cadmium (Cd)	< 5	ppm
Iodine (I)	2	ppm
Arsenic (As)	< 5	ppm
Beryllium (Be)	< 5	ppm
Selenium (Se)	0.252	ppm
Mercury (Hg)	< 0.050	ppm
Vanadium (V)	< 5	ppm
Molybdenum (Mo)	< 5	ppm
Fluorine (F)	< 1	ppm
Bismuth (Bi)	< 5	ppm
Antimony (Sb)	< 5	ppm

% Acid Solubility	
Average	**69.35**
Maximum	72.07
Minimum	65.26
H_20	< 0.5%
Bulk Density	(lbs./cu.ft.)
Loose:	52
Packed:	61



µm *= micron (1/1000 of a millimeter)*

Particle Distribution--U.S.Screen Comparison			
Minus 325 mesh product			
Micron Size	U.S.Screen	% Retained	% Passing
300	**50**	0.0	100.0
212	**70**	0.0	100.0
180	**80**	0.0	100.0
150	**100**	0.0	100.0
75	**200**	0.2	99.8
45	**325**	3.2	96.6
38	**400**	2.2	94.4
25	**500**	7.1	87.3
13	**1000**	20.9	66.4
6	**2300**	18.8	47.6
2.5	**Pan**	47.6	
		100.0	

cumulative distribution *(laser diffraction)*			
Microns	**% Passing**	**Microns**	**% Passing**
175	100	10.5	66.37
147	100	9	61.68
123	100	7.5	55.61
103	100	6	47.61
87	100	5	41.11
73	99.81	4.3	36.01
61	99.19	3.7	31.34
51	97.96	3.1	26.47
43	96.15	2.6	22.28
36	93.67	2.2	18.82
30	90.67	1.8	15.18
25	87.26	1.5	12.28
21	83.68	1.3	10.21
18	80.30	1.1	8.00
15	75.98	0.9	5.61
12.5	71.27		

Data presented from monthly composite testing is typical of product. However, no warranties or claims of specific performance is implied or given.