

Industrial Lime #1

Jasper, MO

Ind. Lime #1 is a small particle sized granular CaCO₃ product processed from quarried high calcium limestone in Jasper, MO with minimum calcium content of 38%



Particle Size Measurement -- Laser Diffraction

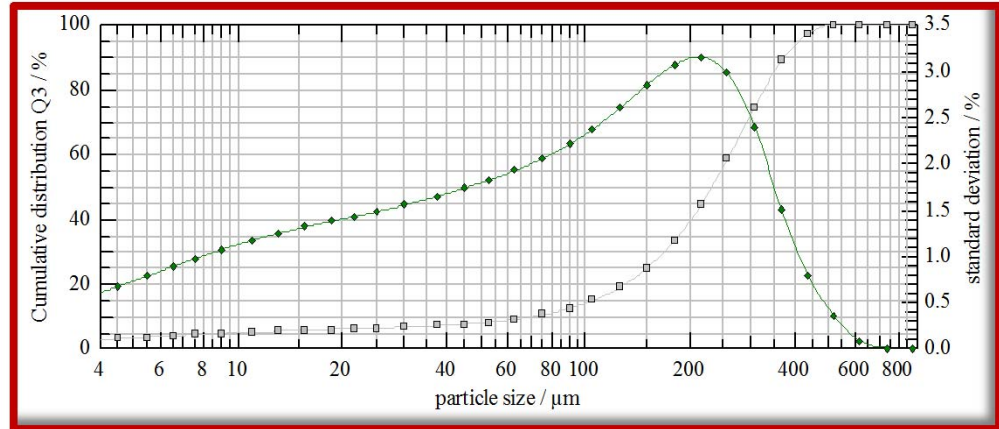
Average Particle Size = **230.84** microns

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

% Ca **39.38**
% CaCO₃ **98.45**

Typical Analyses		
Magnesium (Mg)	0.145	%
Silicon (Si)	0.09	%
Silica (SiO ₂)	0.20	%
Iron (Fe)	0.047	%
Sodium (Na)	0.030	%
Potassium (K)	0.012	%
Sulfur (S)	0.799	%
Manganese (Mn)	0.014	%
Phosphorus (P)	0.004	%
Chloride (Cl)	0.005	%
Chromium (Cr)	6	ppm
Aluminum (Al)	78	ppm
Boron (B)	11	ppm
Barium (Ba)	< 5	ppm
Lead (Pb)	< 5	ppm
Nickel (Ni)	< 5	ppm
Cobalt (Co)	< 5	ppm
Copper (Cu)	7	ppm
Zinc (Zn)	70	ppm
Cadmium (Cd)	< 5	ppm
Iodine (I)	7	ppm
Arsenic (As)	< 5	ppm
Beryllium (Be)	< 5	ppm
Selenium (Se)	0.181	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	53.14
Maximum	58.40
Minimum	46.69
H ₂ O	< 0.5%
Bulk Density	(lbs./cu.ft.)
Loose:	85
Packed:	93



μm = micron (1/1000 of a millimeter)

Particle Distribution--U.S. Screen Comparison			
40 X 200 mesh product			
Micron Size	U.S. Screen	% Retained	% Passing
2000	10	0.0	100.0
1700	12	0.0	100.0
1400	14	0.0	100.0
1180	16	0.0	100.0
1000	18	0.0	100.0
710	25	0.0	100.0
500	35	0.6	99.4
425	40	3.5	95.8
355	45	9.5	86.4
300	50	13.6	72.8
212	70	29.2	43.6
180	80	10.3	33.3
150	100	8.5	24.8
75	200	14.6	10.2
10	Pan	10.2	
		100.0	

cumulative distribution (laser diffraction)			
Microns	% Passing	Microns	% Passing
875	100	52.5	7.90
735	100	45	7.32
615	99.99	37.5	6.80
515	99.90	30	6.32
435	97.00	25	6.03
365	88.77	21.5	5.82
305	74.37	18.5	5.63
255	58.23	15.5	5.39
215	44.54	13	5.14
180	33.26	11	4.86
150	24.77	9	4.49
125	18.77	7.5	4.10
105	14.76	6.5	3.77
90	12.25	5.5	3.37
75	10.19	4.5	2.89
62.5	8.80		