



## AgLime-200

Alden, IA

AgLime-200 Calcium Carbonate is a finely ground product processed from quarried high calcitic limestone in Alden with calcium content ranging 38.0% or above.

% Ca	<b>38.41</b>
% CaCO <sub>3</sub>	<b>96.03</b>

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 <sub>2</sub> O	< 0.05%
<b>Bulk Density</b>	(lbs./cu.ft.)
Loose:	61
Packed:	67

Neutralizing Values*	
CCE	96
ECCE	1920
ENP	1920
ENM	768
NI	96
*Calculated from Data	

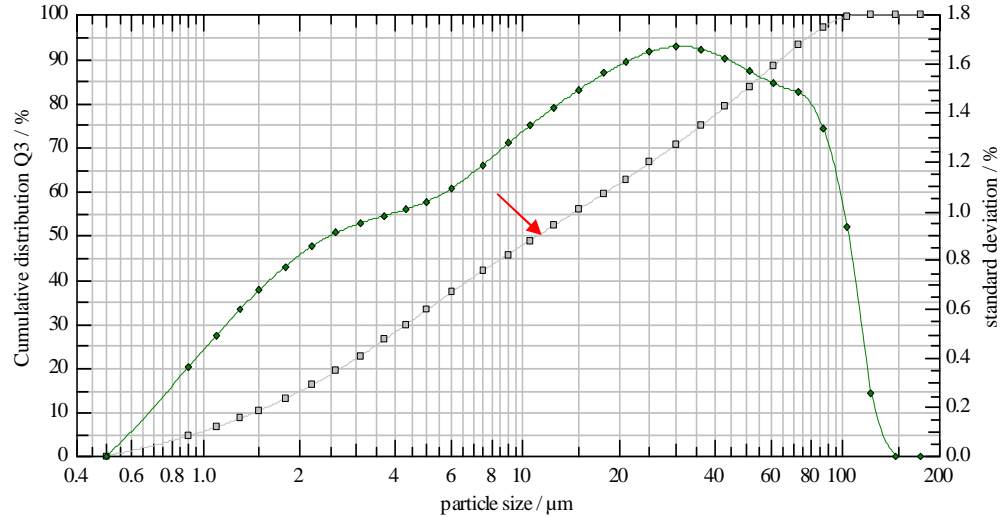
Surface Area (Sq.cm)/gm= 1073  
 Number Particles per gm= 11,164,356

Particle Distribution--U.S.Screen Comparison			
Minus 200 mesh			
Micron Size	U.S.Screen	% Retained	% Passing
<b>250</b>	<b>60</b>	<b>0.0</b>	<b>100.0</b>
<b>180</b>	<b>80</b>	<b>0.0</b>	<b>100.0</b>
<b>150</b>	<b>100</b>	<b>0.0</b>	<b>100.0</b>
<b>90</b>	<b>200</b>	<b>6.3</b>	<b>93.7</b>
<b>75</b>	<b>325</b>	<b>13.4</b>	<b>80.3</b>
<b>45</b>	<b>400</b>	<b>4.3</b>	<b>75.9</b>
<b>8</b>	<b>PAN</b>	<b>75.9</b>	
<b>TOTAL</b>		<b>100.0</b>	

## Particle Size Measurement -- Laser Diffraction\*\*

Average Particle Size = **11.29 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	%
175	100	25	66.31	3.7	26.29
147	100	21	62.61	3.1	22.56
123	99.86	18	59.45	2.6	19.10
103	99.47	15	55.76	2.2	16.09
87	97.05	12.5	52.14	1.8	12.81
73	93.12	10.5	48.69	1.5	10.19
61	88.47	9	45.62	1.3	8.36
51	83.64	7.5	41.86	1.1	6.44
43	79.12	6	37.01	0.9	4.45
36	74.63	5	32.96		
30	70.34	4.3	29.59		