

BHS Marketing

Western Briquette

OMYA-CAL FCC FOOD GRADE CALCIUM

Over 300,000,000 years ago, during the Mississippian Age, a large graveyard of marine animals, similar to today's oyster, was formed under very favorable conditions in a shallow marine environment. These marine animal remains, composed of calcium carbonate, were then cemented together with calcium carbonate precipitated out of the primordial sea. This deposit was then further purified and metamorphosed by various natural geologic processes including high pressure caused by further deposition and high temperature resulting from intrusions of hot magma. Over time, the deposit was then raised up and subsequent erosion has left it exposed and available for our use today in the Mojave Desert of California.

This deposit is now available as an extremely pure source of natural ground limestone. The very low levels of lead in this deposit make it a truly unique source for both food and dietary supplement applications. The material is processed by OMYA's facility in Superior, Arizona under strict quality control measures to insure these products meet all of the specifications of the Food Chemicals Codex, Fourth Edition. Under the Omya-Cal trade name, these products are available in a variety of particle sizes and densities to satisfy a wide variety of applications.

<u>Typical Characteristics</u>	<u>FG-4</u>	<u>FG-6</u>	<u>FG-10</u>	<u>FG-15</u>
Moisture (Loss at 110°C, %)	<0.2	<0.2	<0.2	<0.2
pH of 10% Slurry	9.7	9.7	9.7	9.7
Dry Brightness (Ry)	93	93	92	92
Specific Gravity	2.7	2.7	2.7	2.7
Apparent Bulk Density				
Loose Bulk Density (g/cc)	0.60	0.65	0.80	1.00
Packed Bulk Density (g/cc)	1.10	1.20	1.50	1.55

Typical Particle Size Distribution

Mean Particle Size (microns)	3.8	6.0	12	15
Top Cut (microns)	12	20	48	48

Typical Chemical AnalysisFCC Limit

CaCO ₃ (%)	98	98	98	98	NLT 94.0
Acid Insoluble (%)	<1.0	<1.0	<1.0	<1.0	NMT 2.5
Heavy Metals as Pb (ppm)	<20	<20	<20	<20	NMT 20
Lead (ppm)	*	*	*	*	NMT 3
Arsenic (ppm)	<1.0	<1.0	<1.0	<1.0	NMT 3
Fluoride (%)	<0.005	<0.005	<0.005	<0.005	NMT 0.005
Magnesium & Alkali Salts (%)	<1.0	<1.0	<1.0	<1.0	NMT 3.5

*Lead is guaranteed at three levels; not more than 3.0 ppm. 0.6ppm or 0.3 ppm, depending on Customer requirements. Lead determination is in accordance with the California Attorney General Proposition 65 Testing Protocol method, Inductively Coupled Plasma Mass Specuometry (ICPMS).