

VICRON[®] FOOD GRADE FCC

Fine Ground Limestones

VICRON[®] Food Grade Limestones:

The VICRON[®] series of fine ground limestone products is certified for use in food applications. These products are synonymous with high quality of brightness and controlled particle size. They also comply with all ground

limestone requirements of the Food Chemicals Codex, Fourth Edition and all are certified as Kosher.

The five grades range in particle size from 3.5 microns up to 17.0 microns.

Typical Properties

VICRON[®] FOOD GRADE

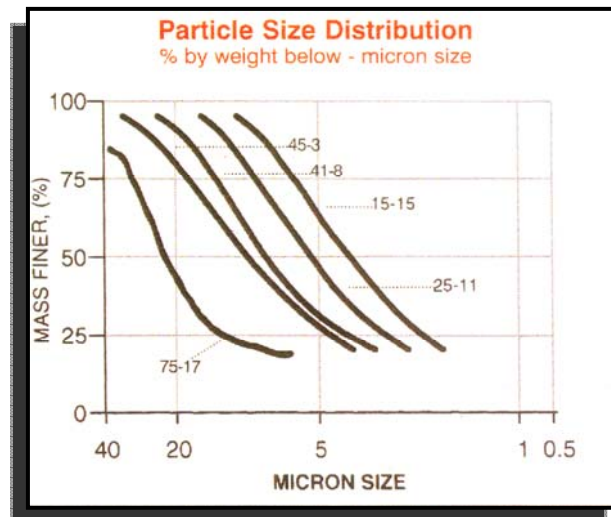
	15-15	25-11	41-8	45-3	75-17
Average Particle Size (microns)	3.5	5.5	8.0	10.0	17.0
Specific Gravity	2.7	2.7	2.7	2.7	2.7
Dry Brightness (Hunter Y, Rd value)	96	96	95	94	90
Bulk Density (pounds/ft ³)	30	32	38	43	50
(grams/cc)	0.48	0.51	0.61	0.69	0.80
Tap Density (pounds/ft ³)	62	74	86	87	90
(grams/cc)	0.99	1.19	1.38	1.40	1.44

Chemical Composition (typical)

Calcium Carbonate	CaCO ₃	97%
Magnesium	MgCO ₃	0.5%
Iron as	Fe ₂ O ₃	<0.1%
Moisture (% weight loss @ 110° C)	H ₂ O	<0.2%

Applications:

- Processing aid
- Material handling aid
- Texturizer and release agent in foods and confections
- Flour enhancement
- Chewing gum-regular: gum base masticating agent
- Toothpastes-general purpose
- Animal and pet kibble



Regulatory Status:

VICRON® food grade products meet all requirements of the Food Chemicals codex, Fourth Edition for ground limestone.

Packaging and Manufacturing:

VICRON® food grade products are packaged in 50 pound, three-ply kraft bags. The standard shipping unit is a pallet of 50 bags, a total of 2,500 pounds. Pallets include slipsheets and shrinkwrap.

All VICRON® food grade products are manufactured from a high quality deposit of limestone in our Adams, MA facility. They have the same chemical and mineralogical composition.

FDA Codes:

The Specialty Minerals plant in Adams, MA is registered with the US FDA as a Drug Establishment. The registration number for the plant is 1214544.

**Food Chemicals Codex (FCC)
Requirements for Ground Limestone**

CaCO ₃	>94.0%
Acid Insoluble Substance	<2.5%
Arsenic	<3 ppm
Fluoride	<50 ppm
Heavy Metals (as Pb)	<20 ppm
Lead	<3 ppm
Loss on Drying	<2.0%
Magnesium and Alkali Salts	<3.5%

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