MISSISSIPPI® LIME

Discovering what's possible with calcium

VitaCal® O

Food Grade Calcium Oxide

TECHNICAL DATA SHEET

PRODUCT DESCRIPTION

Mississippi Lime VitaCal® O Calcium Oxide is a high purity pulverized product which meets or exceeds the Food Chemical Codex specifications. Because of purity and consistency, food processing chemists have specified Mississippi Lime VitaCal® products for more than 40 years. With low lead (<0.5 ppm), VitaCal® O is one of the lowest lead calcium oxides available for your all of your Food Chemical Codex applications.

TYPICAL CHEMICAL PROPERTIES	
CaO - Total	97.5%
CaO - Available	95.0%
Calcium	69.6%
CO_2	0.4%
LOI	<1.5%
Magnesium & Alkali Salts	<3.6%
Fluoride (F)	<0.015%
Magnesium (Mg)	0.5%
Acid Insoluble Substances	<0.5%
Arsenic (As)	<2 ppm
Lead (Pb)	<1 ppm
Alumina (Al)	0.1%
Iron (Fe)	0.05%
Silica (Si)	0.7%
Crystalline Silica	<0.1%
Sulfur (S)	0.01%
Phosphorus (P)	0.01%
Manganese (Mn)	15 ppm

TYPICAL PHYSICAL PROPERTIES	
Specific Gravity	3.3
pH	12.4
-325 Mesh (45 µm)	99.0%
Apparent Dry Bulk Density - Loose	58 lbs./ft^3
Apparent Dry Bulk Density - Packed	78 lbs./ft^3
Reactivity 180 sec.	<60℃

FOOD CHEMICALS CODEX SPECIFICATIONS, EIGHTH ED.	
Assay CaO	95.0%- 100.5%
Acid Insoluble Substances	Less than 1%
Arsenic	Less than 3 ppm
LOI	Less than 10%
Fluoride	Less than 0.015%
Lead	Less than 2 ppm
Magnesium & Alkali Salts	Less than 3.6%

MISSISSIPPI® LIME

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✓Certified to FCC 8th Edition
✓Certified to Kosher-Pareve
✓Certified to NSF Standard 60
✓Certified to AWWA standard B202-02

VitaCal® - Purity is the Difference

Ed. 8/2014