



VitaCal® H

Food Grade Calcium Hydroxide

TECHNICAL DATA SHEET

Product Description

MLC VitaCal® H Calcium Hydroxide, produced in Sainte Genevieve, Missouri, is a high purity product which meets or exceeds the Food Chemical Codex (FCC) specifications. Because of purity and consistency, food processing chemists have specified MLC VitaCal® products for more than 40 years. With ultra low lead and arsenic, VitaCal® H is one of the highest purity calcium hydroxides available for all your FCC applications.

Typical Chemical Properties

Ca(OH) ₂ - Assay	98.5%
Calcium (Ca)	53.3%
Magnesium (Mg)	0.25%
Silicon (Si)	0.3%
Aluminum (Al)	0.06%
Iron (Fe)	0.04%
Free Moisture	0.4%
Crystalline Silica	<0.1%
Lead (Pb)	< 1 ppm
Arsenic (As)	< 0.5 ppm
Fluoride (F)	30 ppm
Magnesium & Alkali Salts (%)	1.5 %
Acid Insoluble Substances (%)	0.2 %

Typical Physical Properties

Specific Gravity	2.3
Median Particle Size	4 micron
pH	12.4
Surface Area	20 m ² /g
-100 Mesh (150 µm)	>99.9%
-325 Mesh (45 µm)	98%
Apparent Bulk Density (Loose)	26 lbs./ft ³
Apparent Bulk Density (Packed)	43 lbs./ft ³

FCC SPECIFICATIONS (14th Edition)

Assay Ca(OH) ₂	95.0% - 100.5%
Carbonate	Passes Test
Magnesium & Alkali Salts	4.8% max
Fluoride	50 ppm max
Lead	2 ppm max
Arsenic	3 ppm max
Acid Insoluble Substances	0.5% max

Available Certifications

- ✓ Certified to FCC 14th Edition
- ✓ Certified to Kosher-Pareve
- ✓ Certified to AWWA Standard B202-19



Certified to
NSF/ANSI/CAN 60

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