



# MicroCal® HF

## Calcium Hydroxide

Discovering what's possible with calcium

TECHNICAL DATA SHEET

### PRODUCT DESCRIPTION

MicroCal® HF is a calcium hydroxide that is utilized as a raw material for many chemical processes that require a highly reactive, high purity, consistent product. The small particle size and top size make it an excellent choice for many applications.

TYPICAL CHEMICAL PROPERTIES	
Ca(OH) <sub>2</sub> - Total	98.5%
Ca(OH) <sub>2</sub> - Available	97.0%
Calcium (Ca)	53.2%
Free Moisture	0.5%
CO <sub>2</sub>	0.5%
Sulfur (S)	0.02%
Crystalline Silica	<0.1%
Acid Insoluble Substances	0.07%
Silica (SiO <sub>2</sub> )	0.2%
Alumina (Al <sub>2</sub> O <sub>3</sub> )	0.2%
Iron (Fe <sub>2</sub> O <sub>3</sub> )	0.04%
Magnesium (MgO)	0.3%
Manganese (MnO)	25 ppm

TYPICAL PHYSICAL PROPERTIES	
Specific Gravity	2.3
Dry Brightness (GE)	94
Median Particle Size	2.3 micron
pH	12.4
BET Surface Area	18 m <sup>2</sup> /g
-100 Mesh (150 µm)	99.9%
-200 Mesh (75 µm)	99.8%
-325 Mesh (45 µm)	98.0%
Apparent Dry Bulk Density - Loose	21 lbs./ft <sup>3</sup>
Apparent Dry Bulk Density - Packed	33 lbs./ft <sup>3</sup>

- ✓ Certified to NSF Standard 60
- ✓ Certified to AWWA standard B202-02
- ✓ Certified to ASTM standard: C911-06



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