



MicroCal® HS

Calcium Hydroxide

Discovering what's possible with calcium

TECHNICAL DATA SHEET

PRODUCT DESCRIPTION

MicroCal HS® is a calcium hydroxide designed for flue gas scrubbing (SO₃, SO₂) and chemical manufacturing applications. MicroCal HS® is a high purity product that has a large median particle size, low moisture content and excellent flow properties. MicroCal HS® has advantages in SO₃ removal applications as the larger particle size provides improved opacity when injected prior to the ESP and the material is more easily collected when injected after the ESP.

TYPICAL CHEMICAL PROPERTIES	
Ca(OH) ₂ - Total	98.5%
Ca(OH) ₂ - Available	97.0%
Free Moisture	0.5%
CO ₂	0.5%
Sulfur (S)	0.01%
Crystalline Silica	<0.1%
Acid Insoluble Substances	0.07%
Silica (SiO ₂)	0.4%
Alumina (Al ₂ O ₃)	0.1%
Iron (Fe ₂ O ₃)	0.03%
Magnesium (MgO)	0.3%
Strontium (SrO)	0.01%
Manganese (MnO)	25 ppm

TYPICAL PHYSICAL PROPERTIES	
Specific Gravity	2.3
Median Particle Size	6 micron
pH	12.4
BET Surface Area	19 m ² /g
-100 Mesh (150 µm)	99.9%
-200 Mesh (75 µm)	99.8%
-325 Mesh (45 µm)	98.0%
Apparent Dry Bulk Density - Loose	23 lbs./ft ³
Apparent Dry Bulk Density - Packed	43 lbs./ft ³

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



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