



Hydrated Lime

Calcium Hydroxide

TECHNICAL DATA SHEET

Product Description

Hydrated Lime is a refined hydrate that has a small median particle size, good flow properties, high surface area, and a high total & available $\text{Ca}(\text{OH})_2$. Hydrated Lime is used in water and wastewater treatment, acid neutralization, construction, flue gas treatment for the control of SO_2 , SO_3 , HCl and HF emissions, and other environmental applications.

Typical Chemical Properties

Ca(OH) ₂ - Total	98.6%
Ca(OH) ₂ - Available	97%
Calcium (Ca)	53.3%
Free Moisture	0.6%
CO ₂	0.5%
Magnesium (MgO)	0.5%
Silicon (SiO ₂)	0.6%
Crystalline Silica	<0.1%
Aluminum (Al ₂ O ₃)	0.1%
Iron (Fe ₂ O ₃)	0.08%

Typical Physical Properties

Specific Gravity	2.3
Median Particle Size	2 μm
pH	12.4
-100 Mesh (149 μm)	99.8%
-200 Mesh (74 μm)	99%
-325 Mesh (45 μm)	96%
Apparent Bulk Density (Loose)	22 lbs./ft ³
Apparent Bulk Density (Packed)	35 lbs./ft ³

Available Certifications

- ✓ AWWA Standard B202-19
- ✓ Meets AASHTO standard M303-89
- ✓ Certified to ASTM standards:
 - C977-18
 - C1097-19
 - C207-18 (Type N only)
 - C911-19



Certified to
NSF/ANSI/CAN 60

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Ed. 12/2024