



GARRISON MINERALS

TECHNICAL DATA SHEET

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Calcium Hydroxide HYDRATED LIME

Product Description + Applications

Standard Hydrated Lime is hydrated quicklime (calcium oxide) which has small particle size, good flow properties, high surface area, and high total and available calcium hydroxide. Hydrated lime is used in flue gas treatment of sulfur emissions, water and wastewater treatment, asphalt concrete treatment for anti-strip purposes, soil amendment processing, and other environmental applications

Specifications

Chemical + Physical Properties

TYPICAL CHEMICAL PROPERTIES:

Ca(OH) ₂ – Total	96%
Ca(OH) ₂ – Available	96%
CO ₂	1.0%
Free Moisture	0.74%
SiO ₂	3%
Fe ₂ O ₃	0.3%
MgO	0.8%
K ₂ O	0.1%
Na ₂ O	0.1%

TYPICAL PHYSICAL PROPERTIES:

Specific Gravity	2.34
PH	>12
-200 mesh	98.8%
-325 mesh	95.2%
Apparent dry bulk	
Density – Loose	26 lbs/ft ³
Apparent Dry Bulk	
Density – Packed	33 lbs/ft ³

Meets the Following Test Standards

NSF 60 CERTIFIED – CHEYENNE WY
AWWA STANDARD B202-02.
ASTM C207 – TYPE N HYDRATED LIME FOR MASONRY PURPOSES.
AASHTO M303 – LIME FOR ASPHALT MIXTURES.
ASTM C25 – STANDARD TEST METHOD FOR CHEMICAL ANALYSIS OF LIMESTONE, QUICKLIME AND HYDRATED LIME.
ASTM C110 – STANDARD TEST METHOD FOR PHYSICAL ANALYSIS OF LIMESTONE, QUICKLIME AND HYDRATED LIME.

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