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Hydrated Lime

& Sons, Inc.

TECHNICAL DATA SHEET

PRODUCT DESCRIPTION: 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.

PRODUCED: Pete Lien & Sons, Inc.
3401 Universal Drive
Rapid City, SD 57702

TYPICAL CHEMICAL PROPERTIES:

Ca(OH) ₂ – Total	92%
Ca(OH) ₂ – Available	91%
CO ₂	1.0%
Free Moisture	0.4%
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
-100 mesh	100.0%
-200 mesh	99.0%
Apparent dry bulk	
Density – Loose	26 lbs/ft ³
Apparent Dry Bulk	
Density – Packed	33 lbs/ft ³

MEETS THE FOLLOWING TEST STANDARDS:

1. *AWWA STANDARD B202-02.*
2. *ASTM C207 – TYPE N HYDRATED LIME FOR MASONRY PURPOSES.*
3. *AASHTO M303 – LIME FOR ASPHALT MIXTURES.*
4. *ASTM C25 – STANDARD TEST METHOD FOR CHEMICAL ANALYSIS OF LIMESTONE, QUICKLIME AND HYDRATED LIME.*
5. *ASTM C110 – STANDARD TEST METHOD FOR PHYSICAL ANALYSIS OF LIMESTONE, QUICKLIME AND HYDRATED LIME.*

All information provided and recommendations made herein are intended to assist customers in determining whether our products are suitable for their applications. It is suggested that customers inspect and test our products prior to making a final decision. We do not guarantee results or suitability of resultant products for any suggested application with respect to the use of any formula or material described herein.