



PRODUCT DATA SHEET

Dolomitic Quicklime (calcium oxide + magnesium oxide)

Product: DQM

Natividad Plant, Salinas, California

Chemical Analysis – Loss Free (Ignited) Basis*

Property	Symbol	%
Calcium Oxide	CaO	58.1
Magnesium Oxide	MgO	38.6
Combined CaO+MgO	MgO+CaO	96.7
Acid Insoluble (mainly SiO ₂)	SiO ₂ , etc.	2.3
Combined Oxides	Al, Fe, Mn, Ti, P	0.6
Sulfur	S	0.01

Iron Oxide	Fe ₂ O ₃	0.2
Aluminum Oxide	Al ₂ O ₃	0.1
Loss on Ignition 1000 °C	LOI	1.6
Carbon Dioxide	CO ₂	0.3

Particle Size Distribution*

U. S. Sieve	Opening‡	% Retained	% Passing
3/8"	9.50 mm	0	100
4	4.75 mm	0.1	99.9
8	2.36 mm	2	98
16	1.18 mm	14	84
30	600 µm	28	56
50	300 µm	26	30
100	150 µm	17	13
200	75 µm	9	4
-200	75 µm	4	

Physical Properties*

Property	lbs./ft ³	g/cm ³	°C Rise/180 Sec.	°C Rise/20 Min.
Bulk Density	58-64	0.93-1.02		
Reactivity			41	48

*All information based on averages. Normal variations can be expected in daily shipments. Test methods conform to ASTM C 25 or C 110. If additional chemical or physical property information is required, please contact Don Jones, Chemical Lime Company Technical Services, 1-800-369-8989, Fax (831) 443-5599.

‡ mm = millimeters, µm = microns





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Product Qualifications

<u>Organization</u>	<u>Specification</u>	<u>Application or Use</u>
ASTM	C5-79 (1997)	Quicklime for Structural Purposes
ASTM	C821-78 (2000)	Lime for Use with Pozzolans
ASTM	C911-99e1	Quicklime, Hydrated Lime, and Limestone for Chemical Uses
ASTM	C977-00	Quicklime for Soil Stabilization

Similar technical grade **Dolomitic Quicklime** (CaOXMgO) is produced at Grantsville, Utah, North Las Vegas, NV and Marble Falls, TX.

Technical grade **calcium oxide** products (CAS # 1305-78-8) are manufactured by CLC at Montevallo, AL; Peach Springs, AZ; Langley, B.C., Canada; Kimbalton, VA; New Braunfels, TX; Ste. Genevieve, MO; and Clifton, TX. Calcium oxide is available at terminals in additional locations.

Technical grade **calcium hydroxide** products (CAS # 1305-62-0) are manufactured by CLC at Peach Springs, AZ; City of Industry, CA; Stockton, CA; Langley, B.C., Canada; Kimbalton, VA; Brookville, FL; North Las Vegas, NV; Belen, NM; and Clifton, TX.

Dolomite materials (CAS Registry # 16389-88-1) are produced by CLC at Salinas, CA; Henderson, NV; Marble Falls, TX; and Grantsville, UT.

Type S dolomitic hydrated lime (Ca(OH)₂XMg(OH)₂) is produced at Henderson, NV and Grantsville, UT.

For additional information, contact your Chemical Lime Company representative or call 1-800-365-6724 (eastern U.S.) or 1-800-288-9676 (western U.S.) or write to the address below.

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