



# Standard Quicklime

## Calcium Oxide

Discovering what's possible with calcium

TECHNICAL DATA SHEET

### PRODUCT DESCRIPTION

Standard Quicklime is a high calcium oxide produced and sold in several sizes. Standard Quicklime is used in flue gas desulfurization, water and waste water treatment, steel, paper, chemical, and environmental applications.

TYPICAL CHEMICAL PROPERTIES	
CaO - Total	97.3%
CaO - Available	94.5%
LOI	0.6%
Acid Insoluble Substances	0.5%
MgO	0.75%
Al <sub>2</sub> O <sub>3</sub>	0.1%
Fe <sub>2</sub> O <sub>3</sub>	0.1%
SiO <sub>2</sub>	0.5%
S	0.02%
P <sub>2</sub> O <sub>5</sub>	80 ppm
MnO	23 ppm

TYPICAL PHYSICAL PROPERTIES	
Specific Gravity	3.3
pH	12.4
BET Surface Area	2.0 m <sup>2</sup> /g
Apparent Dry Bulk Density - Loose	50 lbs./ft <sup>3</sup>
Apparent Dry Bulk Density - Packed	60 lbs/ft <sup>3</sup>
Reactivity 30 sec.	30°C
Reactivity 180 sec.	50°C
Total Temperature Rise	55°C
Total Reactivity Time	240 sec
Reactivity: 30 mesh residue	1.0%

- ✓ Meets the AWWA standard B202-13
- ✓ Certified to NSF standard 60
- ✓ Certified to ASTM standards: C977-03, C911-06, C602-06a, C821-78, C5-03

PRODUCT SIZE GRADATION	
½"	Top 7/8" Bottom 3/8"
1"	Top 1 1/4" Bottom 7/8"
2" X 1"	Top 2 3/8" Bottom 7/8"
2"	Top 2 3/8" Bottom 1 1/4"



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