



# Product Specification

## Product Name: CALCIUM HYDROXIDE AR

Alternate Name(s) Hydrated Lime, calcium hydrate, caustic lime, slaked lime

### Description

Soft white crystalline powder; alkaline slightly bitter taste.

### Properties

Chemical Formula:

Molecular Weight: 74.09

Product Code: CA011

CAS No. 1305-62-0

### General Information:

Slightly soluble in water. Loses water at 580°C. Soluble in glycerin, syrup, and acids. Insoluble in alcohol. Absorbs CO<sub>2</sub> from air.

### Hazard and Safety Data

UN Group: None Allocated

Class: None Allocated

UN Number: None Allocated

Hazchem code: None Allocated

CS MSDS Code: 1CH1M

Poison schedule: Not Scheduled

Emergency

Procedure Guide No.: N/A

### Quality Specification

Assay: 95.0% min.

### Specific Properties and Impurities [Typical levels]:

Calcium Carbonate	≤ 3.0%
Insoluble in Hydrochloric acid	≤ 0.03%
Chloride (Cl)	≤ 0.03%
Sulfur Compounds (as SO <sub>4</sub> )	≤ 0.1%
Heavy Metals (as Pb)	≤ 0.003%
Iron (Fe)	≤ 0.05%
Magnesium (Mg)	≤ 0.5%
Potassium (K)	≤ 0.05%
Sodium (Na)	≤ 0.05%
Strontium (Sr)	≤ 0.05%

CONFORMS TO ACS

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