



Product Specification

Product Name: **CALCIUM CARBONATE Light AR**

Alternate Name(s) Calcite; limestone; whiting powder; chalk; vaterite.

Description

White powder; odourless; tasteless.

Properties

Chemical Formula:

Molecular Weight: 100.09

Product Code: CA009

CAS No. 471-34-1

General Information:

Product is non-combustible and non toxic. Slightly soluble in water; soluble in acids with the evolution of carbon dioxide. Incompatible with acids, alum, ammonium salts, fluorine and magnesium.

Hazard and Safety Data

UN Group: None Allocated

Class: None Allocated

UN Number: None Allocated

Hazchem code: None Allocated

CS MSDS Code: 1CH1K

Poison schedule: Not Scheduled

Emergency

Procedure Guide No.: N/A

Quality Specification

Assay: 99.0% min. (dried basis)

Specific Properties and Impurities [Typical levels]:

| | |
|---------------------------------------|-----------|
| Insoluble in dilute hydrochloric acid | ≤ 0.01% |
| Chloride (Cl) | ≤ 0.001% |
| Fluoride (F) | ≤ 0.0015% |
| Sulfate (SO ₄) | ≤ 0.01% |
| Ammonium (NH ₄) | ≤ 0.003% |
| Heavy metals (as Pb) | ≤ 0.001% |
| Barium (Ba) | ≤ 0.01% |
| Iron (Fe) | ≤ 0.003% |
| Magnesium (Mg) | ≤ 0.02% |
| Potassium (K) | ≤ 0.01% |
| Sodium (Na) | ≤ 0.1% |
| Strontium (Sr) | ≤ 0.1% |

CONFORMS TO ACS

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