



Product Specification

Product Name: CALCIUM CARBONATE LR

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

Description

White powder; odourless; tasteless.

Properties

Chemical Formula: CaCO_3

Molecular Weight: 100.09

Product Code: CL009

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.

Quality Specification

Assay: 98.0 - 100.5% (dried basis)

Specific Properties and Impurities [Typical levels]:

Decomposition Temp.	825 °C
Identification	Passes test
Chloride (Cl)	0.025%
Magnesium (as alkali metals)	1.0%
Substances insoluble in acetic acid	0.2%
Loss on drying	2.0%
Sulfate (SO ₄)	0.3%
Heavy metals (as Pb)	0.002%
Arsenic (As)	0.0004%
Barium (Ba)	Passes test
Iron (Fe)	0.02%

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

Not classified as hazardous according to the criteria of ASCC.

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