

Technical Data Sheet

Version: 1.0 EN

Calcium carbonate, E 170

Article number: D10348

General Information

Origin	Calcium carbonate is also known as the calcium salt of carbonic acid and is a common, naturally occurring chemical compound of calcium, carbon and oxygen. It occurs in various mineral forms such as limestone, marble and chalk.
CAS Number	471-34-1
EC Number	207-439-9
INCI	CALCIUM CARBONATE
Molecular Formula	CaCO ₃
Appearance	White powder
Packaging	25 kg bags and small containers
Shelf life	24 months
Applications	Use in food
Allergens	None of the 14 main allergens added or contained
Compliance	FCC, E 170, Regulation (EC) 1829/2003, vegetarian, vegan, glutenfree

Specification Values

Parameter	Value
Content	Min. 98,0 %
Loss on drying	Practically insoluble in water and in alcohol. Dissolves with effervescence in diluted acetic acid, in diluted hydrochloric acid and in diluted nitric acid
Specific rotation	≤ 2,0 %
Insoluble substances (in acid)	≤ 0,2 %
Magnesia and alkali salts	≤ 1,0 %
Fluoride	≤ 50 mg/kg
Arsenic	zusammengenommen ≤ 100 mg/kg
Lead	≤ 3 mg/kg

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Mercury	≤ 3 mg/kg
Cadmium	≤ 1 mg/kg

Nutritional Values

	Average Values (per 100g / 100ml)
Energy (kJ)	0
Energy (kcal)	0
Fat (g)	0
- Of which saturated fats (g)	0
Carbonhydrates (g)	0
- Of which sugars (g)	0
Fibre (g)	0
Protein (g)	0
Salt (g)	0

Additional Information

All details are based on our current state of knowledge and are not transferable to other products. They do not constitute a warranty or guarantee of specific properties or suitability for particular applications. Each use of our supplied products must be tested in the respective application and checked for any existing property rights. Color and form of the product may slightly vary within a production batch due to the manufacturing process.

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