

Technical Data Sheet

Version: 1.0 EN

Calcium ascorbate, E 302

Article number: D10331

General Information

Origin	Calcium ascorbate is obtained through the fermentation of maize starch. It is the calcium salt of ascorbic acid.
CAS Number	5743-28-2
EC Number	227-261-5
Molecular Formula	C ₁₂ H ₁₄ CaO ₁₂ ·2H ₂ O
Appearance	White to yellowish crystalline powder
Packaging	25 kg cartons and small containers
Shelf life	24 months
Applications	Use in food and food supplements
Allergens	None of the 14 main allergens added or contained
Compliance	E 302; USP43, FCC12; Regulation (EU) No. 1169/2011

Specification Values

Parameter	Value
Content	98,0 – 100,5 %
Loss on drying	≤ 0,10 %
Specific rotation	+95° - +97°
pH value (10% W/V)	6,0 – 7,5
Limit of Fluoride	≤ 10 mg/kg
Arsenic	≤ 1 mg/kg
Lead	≤ 1 mg/kg
Mercury	≤ 0,1 mg/kg

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Nutritional Values

	Average Values (per 100g / 100ml)
Energy (kJ)	1073,8
Energy (kcal)	247,8
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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