

Technical Data Sheet

Version: 1.0 EN

Beta-carotene E160a (i) – provitamin A

Article number: D10292

General Information

Origin	Beta-carotene E160a is produced using modern spray-drying and microencapsulation techniques.
CAS Number	7235-40-7
EC Number	230-636-6
INCI	BETA-CAROTENE
Molecular Formula	C ₄₀ H ₅₆
Appearance	A yellow to orange-yellow, free-flowing powder
Packaging	25 kg bags and small containers
Shelf life	48 months
Applications	Application in food
Allergens	None of the 14 main allergens added or contained
Compliance	Complies with the requirements of the USP and Ph. Eur. monographs

Specification Values

Parameter	Value
Beta-carotene content	≥ 1.0%
Total carotenoids	≥ 1.0%
Loss on drying	≤ 5.0%
Heavy metals	≤ 0.001%
Arsenic	≤ 0.0003%
Colour intensity E1% (1 cm)	≥ 25
Total plate count	≤ 1000 CFU/g
Yeasts and moulds	≤ 100 CFU/g
Enterobacteriaceae	≤ 10 CFU/g
Salmonella	Not detectable / 25g
E. coli	Not detectable / 10g
Staphylococcus aureus	Not detectable / 10g
Pseudomonas aeruginosa	Not detectable / 10g

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Nutritional Values

	Average Values (per 100g / 100ml)
Energy (kJ)	1702,89
Energy (kcal)	407
Fat (g)	14
- Of which saturated fats (g)	1,8
Carbonhydrates (g)	70,2
- Of which sugars (g)	29
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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