Beta-Carotene Pure

$C_{40}H_{56}$ · CAS 7235-40-7 · β-Carotene, crystalline powder

CATALOG TDS — CONFIRMED IN WRITING AT QUOTATION

CHEMICAL FORM	FORMULA	CAS	PRIMARY ASSAY
β-Carotene, crystalline powder	$C_{40}H_{56}$	7235-40-7	≥97.0%
METHOD	**MINIMUM ORDER**	**LEAD TIME**	**STANDARD PACK**
UV/Vis spectrophotometry	1 kg	1–7 days	1 kg foil pouch · 25 kg fiber drum

DESCRIPTION

Beta-carotene pure specified at ≥97.0% by UV/Vis; the crystalline grade and the 10% dispersion are different products with different assay bases and handling.

SPECIFICATION

PARAMETER	SPECIFICATION	METHOD / NOTE
Assay (UV/Vis)	≥97.0%	As stated
Appearance	Red to orange-red crystalline powder	As stated
Identification	UV/Vis conform	As stated
Loss on drying	≤0.5%	As stated
Heavy metals	Pb ≤3 · As ≤2 · Cd ≤1 · Hg ≤0.1 mg/kg	As stated
Microbiology	APC ≤1,000 cfu/g · yeast and mould ≤100 cfu/g · E. coli and Salmonella absent	As stated
Particle size	≥95% through 80 mesh	As stated
Marker set	β-Carotene ≥97.0% (UV/Vis)	Identity
Solubility	Insoluble in water; soluble in fats and in organic solvents.	Matrix dependent

APPLICATIONS

- Softgel capsules
- Oil-based blends

AVAILABLE FORMS

- Powder
- Oil suspension on request

PACKING

- 1 kg foil pouch
- 25 kg fiber drum

STORAGE

Store in a cool, dry, well-ventilated area, away from direct sunlight and moisture. Keep the pack closed after sampling. The lot-specific retest date is shown on the batch COA.

DOCUMENTATION RELEASED WITH EACH LOT

- Batch-specific certificate of analysis
- Technical data sheet and safety data sheet
- Allergen, GMO, origin and residual-solvent statements
- Third-party reports on request

> **Catalog document.** This TDS describes the grade we can quote. The final specification, pack and documentation are confirmed in writing before the order. It is not a batch COA and does not report a result for a specific lot.