Beta-Carotene

$C_{40}H_{56}$ · CAS 7235-40-7 · β-Carotene 10% powder, cold-water dispersible

CATALOG TDS — CONFIRMED IN WRITING AT QUOTATION

CHEMICAL FORM	FORMULA	CAS	PRIMARY ASSAY
β-Carotene 10% powder, cold-water dispersible	$C_{40}H_{56}$	7235-40-7	10.0–11.0% β-carotene
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 as a 10% cold-water-dispersible powder, specified at 10.0–11.0% by UV/Vis; the dispersion, the carrier and the colour are part of the specification.

SPECIFICATION

PARAMETER	SPECIFICATION	METHOD / NOTE
Assay (UV/Vis)	10.0–11.0% β-carotene	As stated
Appearance	Orange-red to red powder	As stated
Identification	UV/Vis conform	As stated
Loss on drying	≤5.0%	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 40 mesh	As stated
Marker set	β-Carotene 10.0–11.0% (UV/Vis)	Identity
Solubility	Dispersible in water as supplied; the carotenoid itself is fat-soluble.	Matrix dependent

APPLICATIONS

- Capsules and tablets
- Powder sticks and drink mixes

AVAILABLE FORMS

- Powder, 40 mesh
- Granulated 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.

Shaanxi Rainwood Biotech Co., Ltd. · Rm 218, Tangxing Digital Bldg, #6 Tangxing Rd, Xi'an, Shaanxi, China
info@rainwoodbio.com · nutrition.rainwoodbio.com