

Natural Beta-Carotene

Carotenoid colour preparation in water-dispersible powder, emulsion or oil-suspension forms.

CAS No. 7235-40-7	EC / List No. 230-636-6	Transport Non-dangerous goods
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Product Information

Natural Beta-Carotene is a carotenoid colour preparation supplied in water-dispersible powders, emulsions or oil suspensions. CAS 7235-40-7 identifies the beta-carotene component. Concentration, carrier and dispersibility determine formulation handling, so pure carotene and diluted colour preparations must be distinguished.

Specifications

Parameter	Specification
Appearance	Orange-red powder or declared formulation
Beta-carotene, powder grades	1.0–10.0 %
Loss on drying	≤7.0 %
Arsenic	≤2.0 mg/kg

Grade-specific supply limits. The agreed specification and batch COA govern delivery.

Typical Properties

Property	Typical Value
Molecular formula	C40H56
Formula weight	536.87 g/mol

Applications

Food and beverage colouring: Carotenoid preparation for selected permitted yellow-to-orange food and beverage colour systems. Compare concentration, dispersion and processing stability.

Carrier and emulsion development: Select the declared powder, emulsion or oil form. Test blending, oxidation, sensory effects and packaging compatibility.

Qualified ingredient and personal-care formulations: Carotenoid ingredient for technically supervised development. Confirm grade suitability, carrier requirements and the applicable market rules.

Packaging / Storage

Item	Information
Packing	10 kg cartons (powder grades)
Storage	Store sealed in a cool, dark, dry place. Protect from oxygen, moisture and excessive heat.
Shelf life	12 months in unopened original packaging under the stated storage conditions.
Handling	Use ventilation, suitable gloves and eye protection. Follow the matched SDS.

Company Contact

Supplier	Hainan Zhongxin Chemical Co., Ltd. (ZXCHEM)
Shanghai office	Room 1001, Building A, Caohejing Center, No. 1520 Gumei Road, Xuhui District, Shanghai, China
Telephone / Email	+86-21-54265599 / sales@zxchem.com.cn
Website	www.zxchem.com