

Tomato Lycopene

Tomato-derived red carotenoid preparation standardized for lycopene content and microbiological quality.

CAS No. 502-65-8 (lycopene component)	EC / List No. 207-949-1 (lycopene component)	Transport Non-dangerous goods
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Product Information

Tomato Lycopene is a red carotenoid preparation derived from tomato material and standardized for lycopene content. CAS 502-65-8, molecular formula C₄₀H₅₆ and molecular mass 536.87 g/mol describe the lycopene component rather than the complete natural extract or carrier preparation.

Specifications

Parameter	Specification
Appearance	Red powder
Lycopene	>5.0 %
Odour	Characteristic
30-mesh passing	100 %
Extraction-process solvent	Ethyl acetate
Cadmium	≤1 mg/kg
Arsenic	≤2 mg/kg
Lead	≤3 mg/kg
Heavy metals	≤20 mg/kg
Total plate count	≤1000 CFU/g
Yeasts and moulds	≤100 CFU/g
Coliforms	≤30 MPN/100 g
E. coli / Salmonella	Negative

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

Typical Properties

Property	Typical Value
Molecular formula	C ₄₀ H ₅₆
Formula weight	536.87 g/mol

Applications

Qualified food formulations: Carotenoid preparation for selected permitted food concepts. Evaluate content, dispersion, shade and processing stability in the full formulation.

Nutritional ingredient development: Ingredient for qualified nutritional formulation trials. Verify the intended grade, carrier compatibility, permitted use and finished-product requirements.

Carrier and personal-care formulation: Ingredient for technically supervised carrier and other formulation development. Assess oxidation, light exposure and complete-product compatibility.

Packaging / Storage

Item	Information
Packing	10 kg cartons
Storage	Store sealed in a dark, dry place. Protect from oxygen, heat, light and moisture; minimize repeated opening and prevent contamination.
Shelf life	24 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)
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