

L-Erythrulose

Aqueous ketose-sugar ingredient for gradual cosmetic self-tanning formulations.

CAS No. 533-50-6	EC / List No. 610-990-1	Transport Non-dangerous goods
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Product Information

Aqueous ketose-sugar ingredient for gradual cosmetic self-tanning formulations.

Specifications

Parameter	Specification
Appearance	Clear, colourless to amber, highly viscous liquid
pH	2.0–3.5
Erythrulose content	75–82 % m/m
Water	≤23.0 % m/m
Nitrogen	≤0.1 % m/m
Sulphated ash	≤1.5 % m/m
Total aerobic microbial count, TAMC	≤100 CFU/g
Total yeast and mould count, TYMC	≤100 CFU/g

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

Typical Properties

Property	Typical Value
Molecular formula	C ₄ H ₈ O ₄
Molecular weight	120.10 g/mol

Applications

Self-tanning lotions and creams: Cosmetic ketose-sugar ingredient for gradual self-tanning development.

DHA combination systems: Ingredient for selected combinations with dihydroxyacetone.

Gels, mousses and cosmetic colour systems: Aqueous ingredient for technically supervised self-tanning gels and mousses.

Packaging / Storage

Item	Information
Packing	25 kg sealed drums
Storage	Store tightly closed in a cool, dry place protected from heat and direct sunlight. Segregate from strong acids, strong bases and oxidizers. Prevent microbial contamination; do not expose to temperatures above 60°C.
Handling	Use clean compatible transfer equipment and effective ventilation. Wear suitable chemical-resistant gloves and eye protection; avoid splashes, mist, ingestion and unnecessary contact. Maintain hygienic handling and reseal promptly.

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