

Erythrulose

Specification Sheet

Description: Red and sour tart sugar found in ripe, red raspberries and in other red berries. Activity: erythrulose reacts with amino groups of keratin in the skin leading to brownish polymers (melanoids) especially with dihydroxyacetone (DHA). Chemical name: L-1,3,4-trihydroxy-2-butanone.

CAS: 533-50-6, 7732-18-5

INCI Name: L-Erythrulose, Water

Composition: L-Erythrulose, Water

Appearance: Clear, yellowish viscous liquid

Benefits:

- Synergistic self-tanning effect when used together with DHA.
- Provides a natural, deep and even tan whereas DHA alone may create an orange tone and stripes.
- Erythrulose may prolong the tan and leaves the skin less dry.

Use: Can be added to formulas as is. Typical use level 2-8%. For external use only.

Applications: Creams & lotions (with DHA), cream foundations and bronzing creams.

Solubility: Water-soluble

Preservation: Preservative-free

Storage: Store refrigerated (4-8°C / 39-46°F)

Country of Origin: Germany

Raw material source: Plant cells

Manufacture: Erythrulose is produced biotechnologically from plant cells by aerobic fermentation by the bacterium *Gluconobacter*.

Animal Testing: Not animal tested.



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GMO: GMO-free

Vegan: Does not contain animal-derived components

HS Code: 3202100000