

Chemaxcel Corporation

Technical Data Sheet

Dihydroxyacetone (DHA)

Dihydroxyacetone (DHA) is produced by the fermentation and bio enzyme conversion in compliance with GMP rules. It has a sweet and fruity odor, hygroscopic and easily decomposable, melting point 75-80°C, solubility >250g.L⁻¹(20C), stable at pH 6.0

Brand Name: Maxcel DHA

INCI Name: Dihydroxyacetone

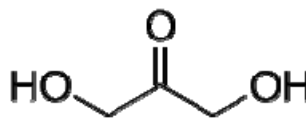
Molecular Formula: C₃H₆O₃

Molecular Weight: 90.08

CAS No.: 96-26-4

EINECS/ELINCS: 202-494-5

Specifications:



Appearance: white to off-white crystalline powder

Assay (HPLC): ≥98.0%

Loss on drying: ≤0.2%

pH: 4.5-5.5

Heavy metals (as Pb): ≤10ppm

Iron (Fe): ≤20ppm

Arsenic (As₂O₃): ≤3ppm

Total plate count: ≤1000cfu/gm

Total yeast and mold count: ≤100cfu/gm

Packing: in cardboard drum with inner PE bag containing 25kg net

Storage: sensitive to the high temperature, to be stored and transported in temperature below 8°C

Shelf life: 24 months from the date of manufacture, in the original unopened container under the suggested storage conditions.

Application: DHA is considered as the most effective sunless tanning additive. DHA is the main active ingredient in all sunless tanning skincare preparations. It may be used alone or combined with other tanning components such as Erythrulose. DHA has been approved for cosmetic use by The FDA USA, Canadian Health Ministry and the most of EU member nations.

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7F-G Zhongtian Mansion, 173 Yu Gu Road, Hangzhou 310007, China

Tel: +86-571-28291608 Fax: +86-571-28291610 E-Mail: info@chemaxcel.com Web: www.chemaxcel.com