

Gwhite VC-IP

Version No.: SS-0012-S-001-06

Revised Date: 14th Dec, 2022

Gwhite VC-IP, also known as ascorbyl tetra-2-hexyldecanoate, is a newly developed esterified derivative from Vitamin C with the highest stability among all Vitamin C derivatives. It can be absorbed transdermally and transferred into Vitamin C effectively, inhibit the synthesis of melanin and remove the existing melanin. Accordingly, it activates collagen tissue directly at skin base, accelerates the production of collagen and prevents skin aging. In addition, it plays a role of anti-inflammatory agent and antioxidant.

INCI Name:

Ascorbyl Tetraisopalmitate

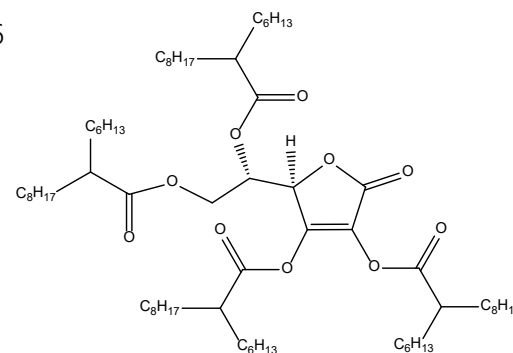
CAS No.: 183476-82-6

M.W.: 1129.76

M. F.: C₇₀H₁₂₈O₁₀

Features and benefits:

- Whitening: lighten skin, fade and remove spots;
- Anti-aging: improve the synthesis of collagen and reduce the wrinkles;
- Anti-oxidant: scavenge free radicals and protect cells;
- Anti-inflammation: prevent and repair acne.



Applications:

Used in whitening/anti-spot products, anti-aging products, sunburn protection products, and anti-inflammatory /soothing products;
Suitable for oil formula, essence, emulsion, cream, makeup formulas, etc..

Specifications:

Appearance	Colorless to light yellow liquid
Odor	Slight characteristic odor
Density (20°C)	0.92-0.96 g/cm ³
Refractive index	1.440-1.480
Content of Ascorbyl Tetraisopalmitate (HPLC)	≥95.0%
Colony number	<100 CFU/ml
Yeast and molds	<10 CFU/ml
Hg	<0.1 mg/kg
As	<0.1 mg/kg
Pb	<5.0 mg/kg
Cd	<1.0 mg/kg

Recommended use levels: 0.1%-2.0%.

Use method: Add into oil phase, then stir until mix evenly.

Package: 1.0 kg/drum, 10.0 kg/drum.

Storage: It shall be stored in a ventilated and dry warehouse with temperature not higher than 30°C and kept sealed and away from light.

Shelf life: Two years.