

Updated: 12/14/2018

Vitamin C (tetrahexyldecyl ascorbate)

Specification Sheet

Description: Highly stable, oil-soluble vitamin C ester. Has excellent skin penetration and as a result offers increased cell protection against UV-B. The skin cell viability is increased up to 30% when compared with L-ascorbic acid. Clear yellowish liquid. Oil-soluble, water-insoluble.

CAS: 183476-82-6

INCI Name: Tetrahexyldecyl ascorbate

Benefits:

- Can improve appearance of aged and fragile skin
- Widely used as add-on ingredient in skin-lightening products to correct hyperpigmentation and age spots
- Antioxidant effect can be increased by combining L-ascorbic acid with L-ascorbyl palmitate and/or vitamin E
- Does not give finished formulas a yellowish tint like L-ascorbic acid

Use: Add to oil soluble phase of formula. Usual concentration 1-10%. For external use only. Do not apply directly to skin.

Applications: Lotions, gels, creams, sun care & after sun products, makeup, lip products.

Country of Origin: USA

Raw material source: L-ascorbic acid, trihexyl hexadecane

Manufacture: Tetrahexyldecyl ascorbate is produced by adding hydrocarbon chains (oily substances) such as trihexyl hexadecane to ascorbic acid whereby ascorbic acid becomes stabilized and oil-soluble.

Animal Testing: Not animal tested

GMO: GMO free (does not contain plant-derived components)

Vegan: Does not contain animal-derived components