

Technical Data Sheet

Zley®VCIP

Basic Information:

- INCI: ASCORBYL TETRAISOPALMITAT
- CAS : 183476-82-6
- Main component: Ascorbyl tetra-2-hexyldecanoate
- Suggested usage amount:0.5%~3%。
- Recommended usage way : Zley®VCIP is easily soluble in oil, it is easy to dissolve in ethanol,hydrocarbons, esters, and vegetable oil, but it is insoluble in glycerol and butanediol. It should be added to the oil phase at a temperature below 80°C to avoid prolonged heat. It can be used in formulations with a pH of 3 to 6. It is recommended that chelators (such as disodium EDTA) or antioxidants be used in formulations as chelators are effective in preventing discoloration.

Product Description:

1. Zley®VCIP has many functions as a cosmetic ingredient, including brightening skin, promoting collagen synthesis, and inhibiting lipid peroxidation.
2. As a derivative of vitamin C, Zley®VCIP has excellent transdermal absorption ability, which can make it decompose into free vitamin C in the skin to achieve physiological functions.As well as it is an oil-soluble vitamin C derivative of vitamin C with the antioxidant,melanin-inhibiting and whitening effects.
3. It has high stability and is not easy to be oxidized, which is similar to VC, easy to be absorbed by the skin, the absorption rate is 16.5 times of water-soluble vitamin C.
4. Zley®VCIP is approved as drug-like active ingredient in Japan (at 3% concentration) and is also registered as a skin-brightening efficacy ingredient in Korea (at 2% concentration).

Technical Indicators:

Inspection Items	Technical Index
Appearance	Colorless to pale yellow Oil Liquid
Color (APHA)	Not more than 100
Specific gravity	0.930-0.943
Refractive index (25°C)	1.459-1.465
Arsenic	Not more than 2PPM
Heavy metals	Not more than 20PPM
Purity	Not less than 98.0%

Product Usage:

Zley®VCIP is suitable for tolerant skin, dry skin, pigmented skin, firming skin, oily skin, and wrinkled skin these 6 skin types; It is used in cosmetics as an antioxidant, whitening agent, freckle removal agent and moisturizing agent. With a risk factor of 1, it is relatively safe and can be used at ease. It generally has no effect on pregnant women. Zley®VCIP is not poxogenic, it is a derivative of vitamin C, which can inhibit tyramine enzyme activity.

Packaging and Storage:

- Packaging: Aluminum film bag (lined with polyethylene plastic bag); 1 kg/bag.
- Storage: Please store it in a cool and dry place and the shelf life is 2 years.

Disposal:

Although this product has almost no pollution to the environment, it is best not to discard it together with domestic garbage. Please contact the local environmental protection department for dealing with the product and container and dispose according to the common chemical treatment method. Do not pour large quantities of products into the groundwater system.

Transport Conditions

Check whether the packaging container is complete and sealed, and keep it away from power supply, fire source and other parts during transportation. This product does not belong to hazardous goods or mixtures and can be transported according as general cargo.