

Global leading manufacturer

SpecWhite® VCE

3-o-Ethyl Ascorbic Acid Product No.: 11000800

Stable and highly qualified

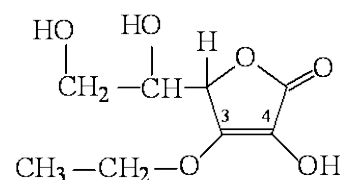
- REACH registered
- Chinese NMPA compliant
- VEGAN certified
- NATRUE certified

• Super stable VC derivative • Water soluble & Polyols soluble • Skin lightener & Anti-oxidation

Product Information

Trade Name:	SpecWhite® VCE
Product No.:	11000800
INCI Name:	3-o-Ethyl Ascorbic Acid
CAS No.:	86404-04-8
EC No.:	617-849-3
Application:	Whitening/lightening, anti-oxidation and etc.
Recommended dosage:	0.5 - 15.0%
Storage:	Store at room temperature. Avoid direct sunlight. Keep container tightly closed in a dry and well-ventilated place
Shelf Life:	2 years
Package:	1Kg; 5Kg; 10Kg; 25Kg

Structure



Spec-Chem Industry Inc.

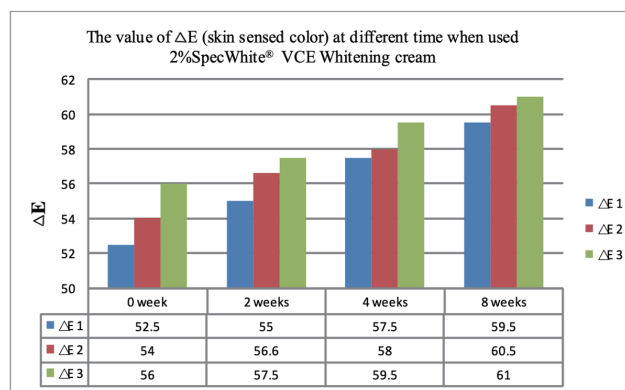
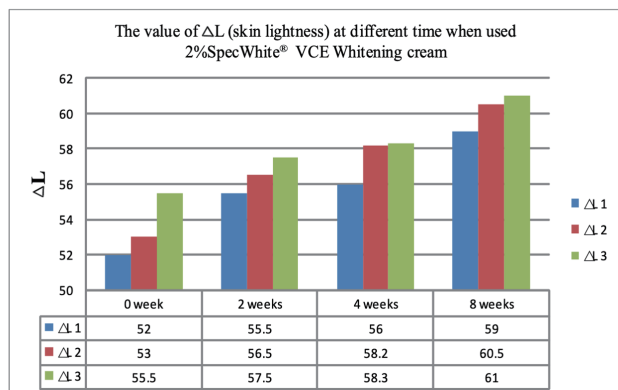
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WEBSITE

Whitening Assessment (in vivo)

Test product: SpecWhite® VCE (2.0%)



1. ΔL to indicate skin tanned chromaticity stats;
2. ΔE to indicate skin complex value (including brightness, luminance, smoothness etc.)

Summary:

Comparing with the pre-treated, skin lightness got improved after 14, 28, 56 days, by 5.60% after 14 days, 7.48% after 28 days, 12.46% after 56 days respectively.

Comparing with the pre-treated, skin sensed color got improved after 14 days, 28 days, 56 days, respectively by 4.06% after 14 days, 7.69% after 28 days, 11.38% after 56 days, treated with 2% SpecWhite® VCE Whitening cream.

Application Guides

Dosage: 0.5 - 3% (Daily use); 3 - 15% (Special use)

Usage:

Emulsify system, Dissolve VCE in proper amount of deionized water, add it when the paste is about to bind (generally below 55°C), and mix and stir evenly. No need to participate in the emulsification process.

Single system: Add VCE directly into the aqueous solution, stir and dissolve till evenly.

Attention:

It is best not to include stearic acid and carbomer thickener in the system

Suggestion pH: 5.5 - 7.0, Best pH is about 6.5

It is recommended to use both buffers and antioxidants, such as sodium metabisulfite (0.2-0.5%) to prevent color change.

Summary of SpecWhite® VCE

01/ Inhibit the activity of tyrosinase, prevent the synthesis of melanin

02/ Accelerate the synthesis of collagen, improve the luster of skin

03/ Strong anti-oxidation, eliminate the free radicals

04/ Resist the inflammation of skin

05/ Possess lipophilic and hydrophilic structures, better skin penetration

06/ Excellent stability to light, heat, acid, alkali, salt and oxygen

Contact SPEC's sales representative to obtain more application and efficacy datas.