

CARROT COLLAGEN

INCI NAME : WATER / 1,2-HEXANEDIL / HYDROLYZED EXTENSIN

GENERAL DESCRIPTION FOR RAW MATERIAL

Carrot collagen is one of plant-based alternatives to animal collagen, and it takes well care of skin moisturizing and elasticity as it has a similar collagen structure to one of human's.

Extensin of carrots is one of proteins contained in plants and works to fix the cell wall of the plants. In carrots, from 1 up to 10% of Extensin is contained, and it is rich in glycoprotein and polysaccharide. Specially one of these glycoproteins, Hydroxyproline has the collagen structure with animals'. For this reason, Extensin is called vegetable collagen. Furthermore, it contains 3-4times more than an animal Serine; one of amino acids, so it has a cutaneous benefit as a natural skin moisture factor.

TECHNICAL INFORMATION

Processing & Dosage

The recommended dosage of CARROT COLLAGEN is 1.0% ~ 5.0%. CARROT COLLAGEN is a water-soluble active ingredient. In order not to disturb the structure and conformation of the actives, it is recommended to incorporate it into formula at the last phase of the formulation at about 40°C.

Storage & Shelf life

CARROT COLLAGEN should be stored at room temperature in a tightly closed and lightproof package. If stored in these appropriate conditions the shelf life is at least 24 months. Once the original packing is opened, it is highly recommended to use at once.

Safety information

Compared to Animal-derived collagen, it has a low risk of allergies, is free from BSE/TSE and has no chance of contagious disease from animal. And plus, as Extension in Carrot Collagen has the similar lipids to the human's stratum corneum, it can be easily penetrable to human skin without toxicity.

SPECIFICATION

Appearance	Colorless ~ Light yellow liquid
Odor	Typical
Refractive Index (N_D²⁰)	1.330 ~ 1.360
pH (1→10)	4.0 ~ 6.5
Specific Gravity (d20/20)	0.990 ~ 1.020
Total bacterial count	Not more than 100cfu/g
Yeast & molds	Not more than 10cfu/g

PRODUCT INFORMATION

TRADE NAME	CARROT EXTRACT
INCI NAME	COMPOSITION (INCI Key Index)
WATER	A
1,2-HEXANEDIL	E
HYDROLYZED EXTENSIN	G
STANDARD PACKAGE	20KG

INCI Key Index
A : Greater than 50%
B : Greater than 25% but less than or equal to 50%
C : Greater than 10% but less than or equal to 25%
D : Greater than 5% but less than or equal to 10%
E : Greater than 1% but less than or equal to 5%
F : Greater than 0.1% but less than or equal to 1%
G : Less than or equal to 0.1%

The content of this document was established with utmost possible care. However, we reserve the right to add the information, to correct or to delete it without prior notice.

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