

# EUCOOLAN™

INCI NAME : WATER / BUTYLENE GLYCOL / EUCOMMIA ULMOIDES BARK EXTRACT

## GENERAL DESCRIPTION FOR RAW MATERIAL

Eucommia Ulmoides, known as Du Zhong in and native to China, is a deciduous tree. It is commonly used for centuries in certain systems of alternative medicine, including traditional Chinese medicine. Being touted as a rich source of antioxidants and lignans, in traditional Japanese medicine, for instance, a tea made from it is commonly taken for health-related purposes. Likewise, it is said to increase vitality, promote longevity and support the endocrine system, and dietary supplements that contain the extracts of the leaf, stem, bark and flower of the plant are still being used.

1. verywellhealth, <https://www.verywellhealth.com/what-you-need-to-know-about-eucommia-88939>
2. Plants For A Future <https://pfaf.org/USER/Plant.aspx?LatinName=Eucommia+ulmoides>

## TECHNICAL INFORMATION

### Processing & Dosage

The recommended dosage of EUCOOLAN™ is 1.0% ~ 5.0%. EUCOOLAN™ 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

EUCOOLAN™ 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

The bark of Eucommia Ulmoides has been used as Traditional Chinese Medicine for a long time. But, it is said that not only bark, but most parts have been used for health benefits. Based on its historical usage as TCM and the other references of being used in variant dietary supplements, it is believed to be a safe material for cosmetics.

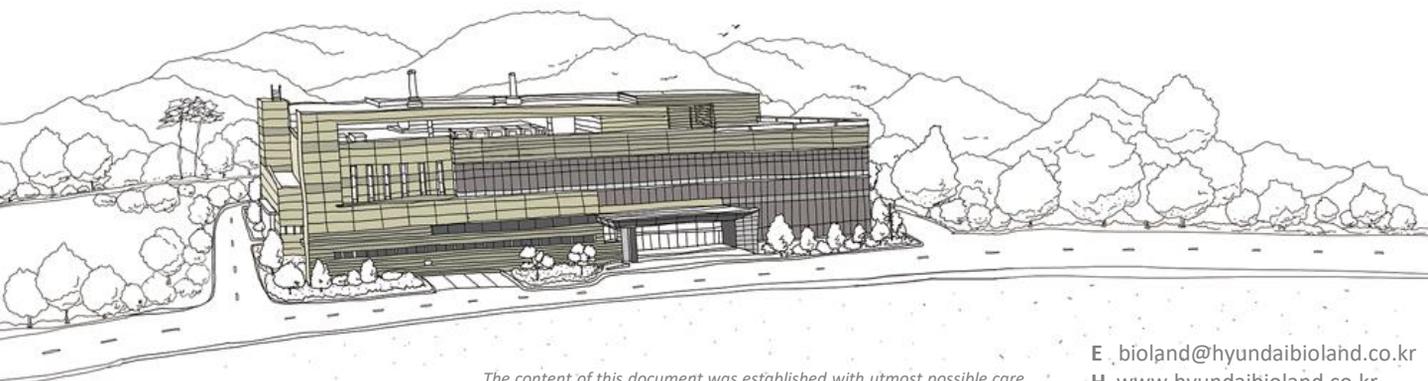
## SPECIFICATION

|  |                                   |
|--|-----------------------------------|
| <b>Appearance</b>                                    | Yellow brown to dark brown liquid |
| <b>Odor</b>  | Typical                           |
| <b>Refractive Index (N<sub>D</sub><sup>20</sup>)</b> | 1.345 ~ 1.395                     |
| <b>pH (1→10)</b>                                     | 4.0 ~ 6.0                         |
| <b>Specific Gravity (d20/20)</b>                     | 1.000 ~ 1.040                     |
| <b>Dry Residue (1g, 105°C, 3hr)</b>                  | Not less than 1.0%                |
| <b>Total bacterial count</b>                         | Not more than 100cfu/g            |
| <b>Yeast &amp; molds</b>                             | Not more than 10cfu/g             |

## PRODUCT INFORMATION

|                                   |                                 |
|-----------------------------------|---------------------------------|
| <b>TRADE NAME</b>                 | EUCOOLAN™                       |
| <b>INCI NAME</b>                  | COMPOSITION<br>(INCI Key Index) |
| WATER                             | A                               |
| BUTYLENE GLYCOL                   | B                               |
| EUCOMMIA ULMOIDES<br>BARK EXTRACT | E                               |
| <b>STANDARD PACKAGE</b>           | 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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