

WHITENING

ANTI-AGING

Natural Anti-aging

GREEN TEA EXTRACT

INCI NAME : WATER / BUTYLENE GLYCOL / CAMELLIA SINENSIS LEAF EXTRACT

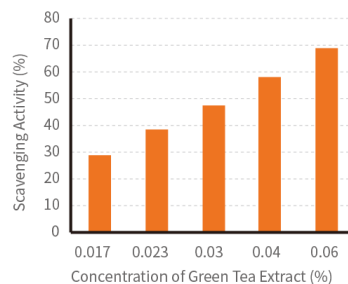
GENERAL DESCRIPTION FOR RAW MATERIAL

Camellia sinensis is a species of evergreen shrub or small tree whose leaves and leaf buds are used to produce tea. Camellia sinensis is an evergreen shrub or small tree that is usually trimmed to below 2 m (6.6 ft) when cultivated for its leaves. It has a strong taproot. The flowers are yellow-white, 2.5–4 cm (0.98–1.57 in) in diameter, with 7 to 8 petals. The leaves have been used in traditional Chinese medicine and other medical systems to treat asthma (functioning as a bronchodilator), angina pectoris, peripheral vascular disease, and coronary artery disease. The seeds of Camellia sinensis and Camellia oleifera can be pressed to yield tea oil, a sweetish seasoning and cooking oil.

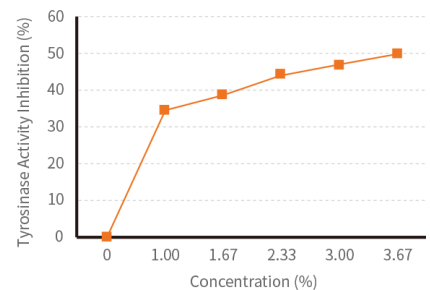
EFFICACY

Free radical Scavenging Activity

Green Tea Ex. (%)	Free Radical Scavenging Activity(%)
0.017	28.78
0.023	38.50
0.030	47.53
0.040	58.04
0.050	68.83
0.033%	SC₅₀



Tyrosinase Activity Inhibition



SPECIFICATION

Appearance	Red brown liquid
Odor	Typical
Refractive Index (N_D²⁰)	1.380 ~ 1.420
pH (1→10)	4.5 ~ 6.5
Specific Gravity (d20/20)	1.010 ~ 1.040
Dry Residue (1g, 105°C, 3hr)	0.5 ~ 2.5%
Total bacterial count	Not more than 100cfu/mL
Yeast & molds	Not more than 10cfu/mL

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TECHNICAL INFORMATION

Processing & Dosage

The recommended dosage of GREEN TEA EXTRACT is 1.0% ~ 5.0%. GREEN TEA EXTRACT 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

GREEN TEA EXTRACT 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.

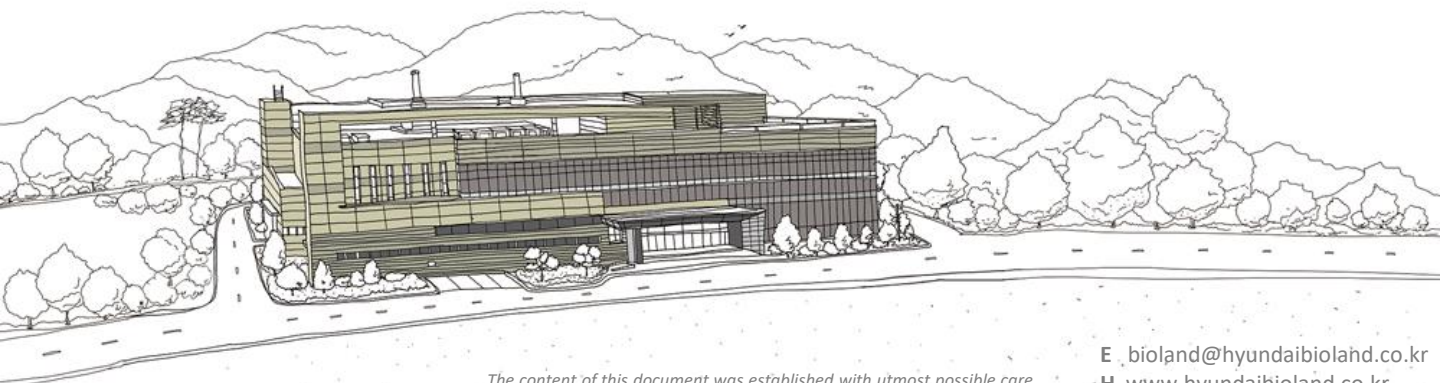
Safety information

Camellia sinensis leaf has long been used as a tea. Based on its usage as a tea, Camellia sinensis leaf extract is believed as a safe material for cosmetic use.

PRODUCT INFORMATION

TRADE NAME	GREEN TEA EXTRACT
INCI NAME	COMPOSITION (INCI Key Index)
WATER	B
BUTYLENE GLYCOL	B
CAMELLIA SINENSIS LEAF EXTRACT	E
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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