

Raw material exclusively for cosmetic manufacturing

Botanical Cosmetic Raw Material

LaFrance Koken

PYRUS COMMUNIS(PEAR) TWIG EXTRACT

LaFrance Koken is a cosmetic ingredient of plant extract extracted from twigs of La France from Yamagata Prefecture.



Applications: Lotions, essences, creams, etc.

Characteristics



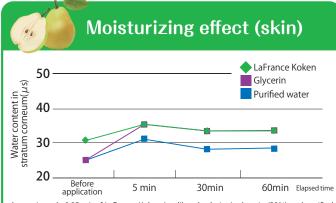
Moisturizing effect Botanical ingredient which has equivalent

moisturizing effect as glycerin.

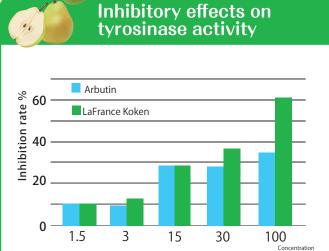
Anti-aging effect

Has an effect to remove reactive oxygen, which is considered to cause skin aging.

LaFrance Koken



Approximately 0.05 mL of LaFrance Koken (undiluted solution), glycerin (20%) and purified water were separately applied to the skin on the inner side of the forearm, and the water content of the stratum corneum (= keratin moisture) prior to application and from 5 to 60 minutes after wiping off the solutions was measured using a keratin moisture meter (Corneometer*CM825MP) (N=12, room temperature 19-23° C, humidity 40-48%). The results showed that keratin moisture was approximately the same for LaFrance Koken and glycerin from 5 to 60 minutes after wiping off, indicating that LaFrance Koken provides an excellent moisturizing effect.



The inhibitory effect of LaFrance Koken on tyrosinase activity, a melanin production facilitator, has been analyzed. LaFrance Koken containing 100mM arbutin was found to inhibit >about 60% of tyrosinase activity.

From in-house data



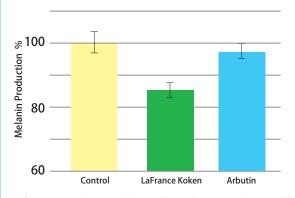
Analysis of antioxidant effects

Arbutin

Antioxidant effect was evaluated by singlet oxygen scavenging activity assay. LaFrance Koken has twice as strong as singlet oxygen scavenging activity than arbutin.

Inhibitory effects on melanin production

LaFrance Koken



Effects on melanin production by melanin-producing cells in human epidermis(melanocytes) have been analyzed. The inhibitory effects of the addition of 0.9% of LaFrance Koken on melanin production were confirmed to be approximately 15% higher than those of the reagent arbutin at the same concentration.

Human patch test : Negative

Product No.	Product Name	INCI Name	Other ingredient	Package
LWE-121	LaFrance Koken PE	PYRUS COMMUNIS(PEAR) TWIG EXTRACT	WATER, PHENOXY ETHANOL	1kg
LWE-131	LaFrance Koken BG		WATER, BUTYLENE GLYCOL	

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