



Botanical Cosmetic Raw Material

Cherry Koken

PRUNUS AVIUM(SWEET CHERRY) FRUIT EXTRACT



Cherry Koken is a cosmetic ingredient of plant extract extracted from cherries from Yamagata Prefecture (cultivar: Napoleon).

Characteristics

Moisturizing effect



Enhances the synthesis of protein as the base of the natural moisturizing factor (NMF) in the skin.

Anti-aging effect



Antioxidative effect comparable to ascorbic acid

Peeling effect



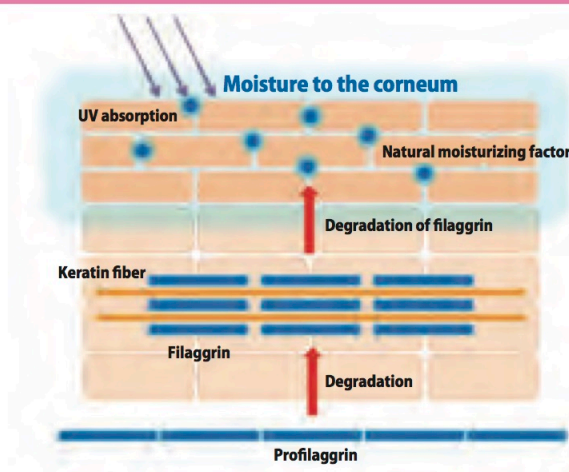
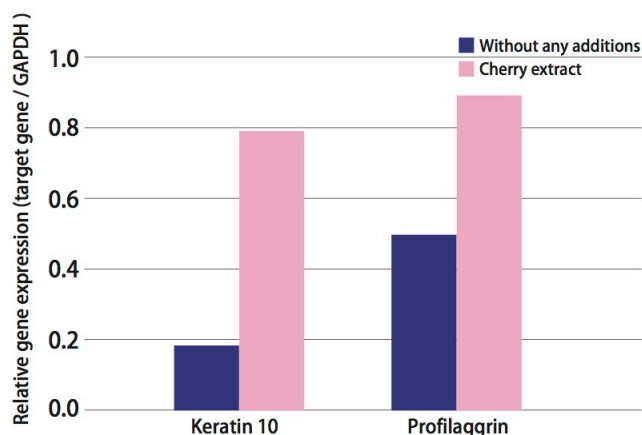
Contains malic acid, which is effective to remove dirt and dead skin cells.

Applications: Lotions, essences, creams, etc.

Cherry Koken



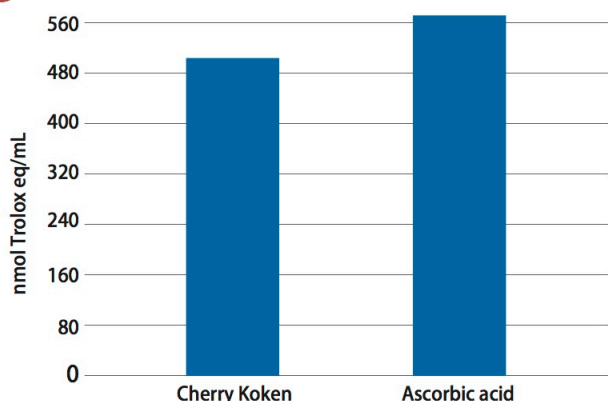
Enhances the synthesis of protein as the base of the natural moisturizing factor in the skin*



When Cherry Koken was added to dermal fibroblasts, the gene expression of keratin 10 and filaggrin, both molecular markers of keratinocytes, increased. This showed that Cherry Koken promoted differentiation into keratinocytes. Keratin fibers and filaggrin adjust the corneum, and filaggrin is also degraded into natural moisturizing factor (NMF) to provide moisture to the corneum and absorbs ultraviolet rays to protect the skin.



Antioxidative effect comparable to ascorbic acid*



Cherry Koken contains polyphenols, and an antioxidant effect comparable to ascorbic acid was observed during the measurement of peroxyradical (reactive oxygen species) elimination activity.



Contains malic acid, which is effective to remove dirt, dead skin cells and saccharides and has a moisturizing capacity

Ingredient name		Content(μg/mL)
Malic acid		313.50
Asparagine		153.08
Glucose		3909.47
Fructose		3483.09
Sorbitol		1712.40

Major ingredients contained per mL of Cherry Koken (except for preservatives and water). Cherry Koken contains a lot of malic acid, asparagine and sugars.

*Data cited from 'FRAGRANCE JOURNAL Vol.40, No.4, 71 ~ 73(2012)

Safety evaluation

Human repeated insult patch test (HRIPT): Negative

Product No.	Product name	INCI name	Other ingredients	Package
CFE-131	Cherry Koken BG	PRUNUS AVIUM(SWEET CHERRY) FRUIT EXTRACT	WATER, AND BUTYLENE GLYCOL	1kg

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