

# BOTANICAL JUICES

*Suggested Applications*

**Nourishing  
Conditioning  
Antioxidant  
Rejuvenating  
Great for Skin**



## THE BACKGROUND.

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Botanical ingredients can be attributed to influencing the biological functions of skin and provide the nutrients necessary for healthy skin, scalp, and hair. These benefits have led to further use of botanical juices in cosmetic and personal care applications. Plant juice is appealing to many formulators not only because of its versatility, but also because it is derived from a renewable, natural resource and contains a plethora of valuable phytochemicals. Herbal products have been used for ages to treat a wide variety of internal and external ailments and diseases. Nowadays, the inclusion of juice from a botanical source has exploded in the beauty industry due to its naturally powerful phytochemical composition, providing a multitude of beneficial, functional properties. Implementing botanical juices into cosmetic and personal care formulations can involve cold-pressing or grinding/milling the plant to extract its liquid. Following this extraction and specific filtration procedures, the ingredient is ready for application in the beauty industry.

Phytochemicals are generally secondary metabolites produced by plants and consist of various biological, therapeutic, and pharmacological properties, such as antioxidant, anti-inflammatory, emollient, and antimicrobial agents. Herbal juices have been extensively studied and employed in the beauty market for their potent anti-aging activities, such as promoting wound healing, collagen synthesis, moisturization, skin/scalp detoxification, and more. The phytochemicals naturally present in plant juice possess an abundance of nutritional benefits that help transform the following botanical juice ingredients into nutrient-rich powerhouses.

## BOTANICAL JUICES.

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### FSS Kiwi Fruit Juice

PRODUCT CODE: FSS11053

INCI NAME: *Actinidia Chinensis* (Kiwi) Fruit Juice

— *Revitalizing*  
— *Nourishing*  
— *Conditioning*

**FSS Kiwi Fruit Juice** harnesses the consumer recognizable kiwi fruit. Kiwi's are small, nutrient-dense fruits packed with flavor and bright green flesh. Many known health benefits stem from the kiwi's antioxidant capabilities. Free radical damage may lead to accelerated signs of aging and decreased wound healing abilities. Antioxidants can help prevent and reduce the occurrence of free radical damage in the body and on the skin. Free radicals occur from natural cellular processes and environmental encounters, including pollution and UV exposure. Kiwi's are also known to assist in protecting the skin barrier while nourishing the skin to minimize dryness and irritation. Maintaining a proper skin barrier encourages a healthy scalp, hair, and skin.



### FSS Bamboo Juice

PRODUCT CODE: FSS11062

INCI NAME: *Phyllostachis Bambusoides* Juice

— *Nourishing*  
— *Great for Skin*  
— *Rejuvenating*

**FSS Bamboo Juice** consists of nutrient-rich bamboo water obtained upon grinding/milling the wood material. Bamboo imagery is often associated with zen-like tranquility, instilling the mind with a sense of balance and harmony. In addition, bamboo is the perfect embodiment of the growing "green" movement as it is the fastest growing wood resource. The plant's known self-regenerating ability offers a sustainable supply, having been used in fashion, food, medicine, buildings, and healthcare products. Today, bamboo is a popular active used in a variety of personal care and cosmetic applications, offering possible anti-irritant properties and helping to soothe the skin when applied directly through lotions or creams. This may, in turn, optimize proper hydration levels to help create a supple, revitalized, and youthful aesthetic.



# BOTANICAL JUICES.



## FSS Coconut Juice PF

PRODUCT CODE: FSS11439PF

INCI NAME: *Cocos Nucifera* (Coconut) Fruit Juice

*Nourishing*  
*Conditioning*  
*Great for Skin*

**FSS Coconut Juice PF** harnesses the power of coconut fruit juice to provide potent conditioning benefits to cosmetic and personal care formulations. Many parts of the coconut can be used for various purposes including the coconut's husk, shell, water, meat, and oil. Coconut juice, commonly called coconut water, is rising in popularity throughout the food and beauty industry for its powerful nutrient profile. Antioxidants present in coconuts may provide anti-aging benefits in skin care applications by reducing fine lines and wrinkles while also protecting the skin from free radical damage. Coconut juice is known for its moisturizing and hydrating benefits utilized to help keep skin looking and feeling healthy. It has also been shown to be effective as a natural antimicrobial that provides soothing benefits, which can further contribute to protecting the skin from external stressors.



## FSS Pomegranate Juice FD

PRODUCT CODE: FSS22062

INCI NAME: *Punica Granatum* Fruit Juice

*Nourishing*  
*Great for Skin*  
*Conditioning*

**FSS Pomegranate Juice FD** harnesses freeze-dried pomegranate juice for implementation in various hair and skin formulations. Freeze drying can act as a method of preservation and for transport preparation. The pomegranate, or *Punica granatum* is a fruit-bearing, deciduous shrub that has been cultivated since ancient times. Pomegranate juice is a good source of the B vitamin, pantothenic acid, as well as potassium, vitamin C, and antioxidant polyphenols. The most abundant polyphenols in pomegranate juice are the hydrolysable tannins called punicalagins, which were shown to have potent free-radical scavenging abilities in laboratory studies. The powerful antioxidants found in pomegranate can be employed to defend the skin and hair against harmful elements, such as as free radicals, and neutralize their effects.



## BiEau® Actif Birch

PRODUCT CODE: FSS16907

INCI NAME: *Betula Alba* Leaf Juice

*Antioxidant Protection*  
*Rejuvenating*  
*Conditioning*

**BiEau® Actif Birch** utilizes cellular plant essence to deliver isotonic nutrients to harmonize skin and hair. This vital botanical essence is sustainably sourced from *Betula alba*, or white birch, and designed to encourage an isotonic environment while promoting antioxidant protection for the skin. Isotonic solutions offer a beneficial environment and are least disruptive to skin cells while enhancing affinity with the skin due to a mineral content similar to that of skin cells. Isotonic materials maintain the size, shape, and integrity of skin cells. Some cosmetic solutions are hypotonic or hypertonic and can damage skin cells by drawing out cellular water, thereby drying out the skin, or even forcing water into the cells and causing cell deformation. Isotonic solutions maintain a natural environment and healthy balance for the skin. Capitalizing on the presence of succinic acid, from *Betula alba*, this ingredient is capable of offering antioxidant properties while promoting a rejuvenated complexion for the skin and hair.

***In vitro* Efficacy: ORAC Assay, Water Line Osmotic Pressure Cell Membrane Comparisons Report**

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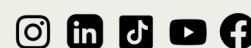
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