

# LIQUID FRUITS FRULIX



## APPLICATIONS

### SKIN CARE PRODUCTS

Emulsions, masks, serums, mature skin products, liquid and bar soaps.

### HAIR CARE PRODUCTS

Shampoos, conditioners, hair masks, leave on and serums.

# ASSESSA

INNOVATION FOR A GREENER WORLD



## FOR HAIR & SKIN CARE

**LIQUID FRUITS** is a line especially developed for cosmetic use, through an exclusive biotechnological process that mimetizes the natural ripening of fruits, modifying the structure of the pulp, transforming it into a crystalline liquid, with all the active ingredients in concentrations equivalent to those found in nature.



## EXCLUSIVE PROCESS

### 1 THE TECHNOLOGY

FRULIX is obtained through an exclusive biotechnological process that mimics the natural ripening of the fruit. Using the native enzymes that change the texture of the fruit during its ripening, it is possible to transform its pulp into a crystalline liquid.



### 2 PRODUCTION OF ENZYMES

The fruits are harvested, washed and processed into a paste. The slurry is inoculated with microorganisms and the semi-solid mass is placed to ferment. The mixture is separated and the enzymes removed from the wort.



### 3 PROCESSING THE FRUITS

The fruits are harvested, washed and processed into the pulp. Seeds and bark are discarded. The pulp is inoculated with the Frulix Enzymes. The residues (fibers, solids) are removed and FRULIX is obtained. Product is stabilized and preserved.



### 4 FRULIX

The clear liquid obtained from the separation step receives preservatives, mixture and filling.



# FRULIX LINE



## AÇAÍ

[Euterpe Oleracea Fruit Extract]

Açaí is rich in Omega 3, 6 and Omega 9, amino acids and protein. Vitamins A, B1, B2, B3, C and E, in addition to potassium, calcium, magnesium, copper and zinc.



## APPLE (MAÇÃ)

[Malus Domestica Fruit Extract]

Apple is rich in vitamins C, A, and E. They are also a good source of pectin and boron. Quercetin is also found in apples and is known as a flavonoid.



## BLUEBERRY (MIRTILO)

[Vaccinium Myrtillus Fruit Extract]

Blueberry (Vaccinium myrtillus) contains vitamins, fibers, mineral salts and antioxidants.



## GUAVA (GOIABA)

[Psidium Guajava Fruit Extract]

Guava possesses an excellent source of vitamin C, vitamin A and flavonoids like beta-carotene, lycopene and lutein.



## ACEROLA

[Malpighia Glabra Fruit Extract]

Acerola is a significant source of vitamin C and Vitamin A, B-vitamins, calcium, iron, potassium and magnesium. Also contains protein, fiber and fatty acids.



## BANANA

[Musa Sapientum Fruit Extract]

Banana is a source of fiber, potassium, vitamin B6, C and pectin. Types of sugar found in ripe bananas are sucrose, fructose and glucose.



## CAJÁ

[Spondias Mombin Fruit Extract]

Cajá has high levels of calcium, magnesium, potassium, iron and phosphorus. Most striking is the content of carotenoids.



## JABUTICABA

[Plinia Cauliflora Fruit Extract]

Jabuticaba is a source of minerals such as calcium, iron and phosphorus, possessing high levels of vitamin C.



## COCOA (CACAU)

[Theobroma Cacao Fruit Extract]

Cocoa contains the highest concentration of antioxidants of any food in the world, including polyphenols, catechins, and epicatechins.



## KIWI

[Actinidia Deliciosa Fruit Extract]

Kiwi is rich in flavonoids, fruit acids and other phytonutrients, such as caffeic acid, quercetin, coumaric acid.



## CUPUAÇU

[Theobroma Grandiflorum]

Cupuaçu is an exotic fruit, rich in moisturizing polysaccharides, antioxidant anthocyanins, essential sugars and mineral salts.



## LEMON (LIMÃO)

[Citrus Limon Fruit Extract]

Lemon is rich in calcium, iron, silicon, phosphorus, copper, magnesium. Also in citric and malic acids and acetic and formic acids.



## GRAPE

[Vitis Vinifera Fruit Extract]

Grapes are rich in hydroxyacids, vitamins, essential sugars, antioxidant bioflavonoids and mineral salts.



## LYCHEE (LICHIA)

[Litchi Chinensis Fruit Extract]

Lychee is an excellent source of vitamin C, iron, calcium, fiber and potassium.

A rich  
diversity  
with  
the best  
of each  
fruit.







## MANGO (MANGA)

[Mangifera Indica Fruit Extract]

Mangoes are rich in vitamin A, complex B vitamins, vitamin C, essential sugars, antioxidants, as well as some mineral salts.



## MELON (MELÃO)

[Cucumis Melo Fruit Extract]

Melons are rich in mucilage, sugars, bioflavonoids, mineral salts such as potassium, magnesium, calcium and manganese.



## MULBERRY (AMORA)

[Morus Nigra Fruit Extract]

Mulberry is rich in moisturizing mucilage, vitamins, organic acids, essential sugars, anthocyanidin, flavonoids and mineral salts.



## ORANGE (LARANJA)

[Citrus Aurantium Dulcis Juice]

Orange is an excellent source of vitamin C. Contains mineral salts, mainly calcium, potassium, sodium and phosphorus.



## PAPAYA (MAMÃO)

[Carica Papaya Fruit Extract]

Papaya possesses large quantities of mineral salts (calcium, phosphorous, iron, sodium and potassium) and vitamins A and C.



## PASSION FRUIT (MARACUJÁ)

[Passiflora Edulis Fruit Extract]

Passion Fruit is rich in antioxidant bioflavonoids and minerals such as potassium, calcium, and reasonable levels of vitamins C and A.



## PEACH (PÊSSEGO)

[Prunus Persica Fruit Extract]

Peaches have appreciable levels of vitamin A, C and D, organic sugars, acids and mineral salts such as magnesium and manganese.



## PEAR (PERA)

[Pyrus Communis Fruit Extract]

Pear contains vitamins B1, B2 and B3 and minerals including potassium, calcium, phosphorus, silicon and magnesium.



## PINEAPPLE (ABACAXI)

[Ananas Sativus Fruit Extract]

Pineapples are rich in bromeline (a proteolytic enzyme). It presents appreciable levels of vitamin C, as folic acid, vitamin B6 and mineral salts.



## PITANGA

[Eugenia Uniflora Fruit Extract]

Pitanga contains proteins, complex B vitamins, bioflavonoids and minerals such as potassium, calcium, zinc and silicon.



## RASPBERRY (FRAMBOESA)

[Rubus Idaeus Fruit Extract]

Raspberries are rich in moisturizing mucilage, essential sugars, organic acids, flavonoids, anthocyanidins and mineral salts.



## SOURSOP (GRAVIOLA)

[Annona Muricata Fruit Extract]

Soursop possesses nutritional and remineralizing properties and is recommended in formulas for weakened hair.



## STRAWBERRY (MORANGO)

[Fragaria Vesca Fruit Extract]

Strawberries are rich in organic acids, flavonoids and mineral salts such as potassium and magnesium.



## WATERMELON (MELANCIA)

[Citrullus Lanatus Fruit Extract]

Watermelons are rich in sugars, complex B vitamins, mineral salts, lycopenes and glutathione.

# LIQUID FRUITS FRULIX

NATURAL  
ORIGIN  
99.55%

**FRULIX  
IS A  
SOLVENT-  
FREE  
PRODUCT.**



## FRULIX COMPLEXES LINE



### **MOISTURIZING COMPLEX** (COMPLEXO HIDRATANTE)

[Carica Papaya Fruit Extract, Theobroma Cacao (cocoa) Extract, Cucumis Melo (melon) Fruit Extract]

Papaya, melon and cocoa are fruits rich in mucilages, vitamins, essential sugars, fruit acids, polyphenols and mineral salts.



### **NUTRITIVE COMPLEX** (COMPLEXO NUTRITIVO)

[Euterpe Oleracea Fruit Extract, Malpighia Glabra Fruit Extract, Vitis Vinifera Fruit Extract]

Açaí and acerola are highly nutritious fruits, rich in proteins, vitamins, bioflavonoids, acid fruits and mineral salts. Grape, on the other hand, is particularly rich in antioxidant polyphenols, hydroxy acids, mucilages, vitamins and essential sugars.



### **PROTECTING COMPLEX** (COMPLEXO PROTETOR)

[Mangifera Indica Fruit Extract, Passiflora Edulis Fruit Extract, Theobroma Grandiflorum Fruit Extract]

Mango, passion fruit and cupuaçu are nutritious fruits, rich in vitamins, mucilages, antioxidant flavonoids, tannins and essential minerals.



### **RED FRUITS COMPLEX** (COMPLEXO FRUTAS VERMELHAS Cf)

[Fragaria Vesca Fruit Extract, Rubus Idaeus Fruit Extract, Malpighia Glabra Fruit Extract]

Strawberry, raspberry and acerola are fruits rich in hydrating mucilages, antioxidant bioflavonoids, vitamins, essential sugars and minerals.



### **SHINE COMPLEX** (COMPLEXO BRILHO)

[Musa Sapientum Fruit Extract, Theobroma Cacao (cocoa) Extract, Ananas Sativus (pineapple) Fruit Extract]

Banana, cocoa and pineapple are nutritive fruits, rich in mucilages, fruit acids, tannins and essential mineral salts.

VISITE NOSSO SITE  
[www.assessa.com.br](http://www.assessa.com.br)

**ASSESSA**  
INNOVATION FOR A GREENER WORLD