

PERA  
PEAR

FRULIX

LIQUID FRUITS • EXCLUSIVE TECHNOLOGY

**ASSESSA**  
INNOVATION FOR A GREENER WORLD



**FRULIX PERA  
(PEAR) IS  
PRODUCED  
WITHOUT THE  
ADDITION OF  
SOLVENTS.**



## THE POWERFUL PEAR

The pear is the fruit of the pear tree, genus *Pyrus*, family Rosaceae, one of the most important fruits of temperate regions. Originates in Asia, probably in China, having been introduced into Europe by the Romans and, later, throughout the world, by the Europeans, pear has been valued for its medicinal properties since a few thousand years. Archaeological remains demonstrate that it was already cultivated since 3,000 years BC. It has reasonable amounts of vitamins B1, B2 and Niacin or B3 which regulate the nervous system, prevent hair loss and heal some skin problems. It also contains vitamin A and minerals including potassium, calcium, phosphorus, magnesium, silicon and iron and components such as lutein and zeaxanthin, which act as antioxidants reducing the effects of aging skin such as wrinkles and age spots. Pear also has tannins such as leucoanthocyanins and polyphenols such as gallic, ellagic and chlorogenic acid. The pear is one of nature's rare copper sources. This powerful fruit can also reduce hair loss and various other conditions associated with the aging process. Regular consumption offers a lot of benefits to the skin. Pear juice is used as an ingredient in masks to revitalize dry and aged skin.

## FRULIX PERA (PEAR)

**FRULIX PERA (PEAR) is obtained through an exclusive biotechnological process that mimics the natural ripening of fruit. Using the fruits' native enzymes that act on the changes that occur in the texture of the fruit during its ripening, ASSESSA transforms its pulp into a crystalline liquid with all the active ingredients of the fruit, in concentrations equivalent to those found in nature.**



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## FUNCTIONS

Pears are rich in vitamins, minerals, tannins and polyphenols. FRULIX PERA (PEAR) possesses moisturizing, nutritional and protective properties and is recommended in haircare products for the treatment and moisturizing of hair, particularly in products for dry hair. The nutritional and moisturizing properties of the pear mean that FRULIX PERA (PEAR) is recommended in skincare products with nutritional and moisturizing appeal.



## APPLICATIONS

FRULIX PERA (PEAR) is compatible with the majority of ingredients used in cosmetic formulations for the treatment of skin and hair and may be incorporated cold, directly into the aqueous phase of the formulation, in accordance with the suggestions of usage levels found in the table below. It is stable at temperatures up to 90°C, in pH conditions from 4.00 to 11.00.

PRODUCT	(%)
Moisturizing cream	0.3 to 0.8
Nutritive cream	0.2 to 0.6
Nutritive lotion	0.2 to 0.6
Shampoo	0.2 to 0.4
Conditioner	0.2 to 0.4
Leave on	0.3 to 1.0

AS A HIGH CONCENTRATED PRODUCT FRULIX PERA (PEAR) SHOULD BE USED IN SMALLER CONCENTRATIONS THAN THOSE NORMALLY USED WHEN MAKING FORMULAS WITH CONVENTIONAL EXTRACTS.

### INCI NAME

Pyrus Communis (Pear) Fruit Extract, Phenoxyethanol and Ethylhexylglycerin



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