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L-Fucose

A rare sugar with benefits for skin care applications



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UNIÃO EUROPEIA
Horizon 2020
Project FucoPol - N.º 783868

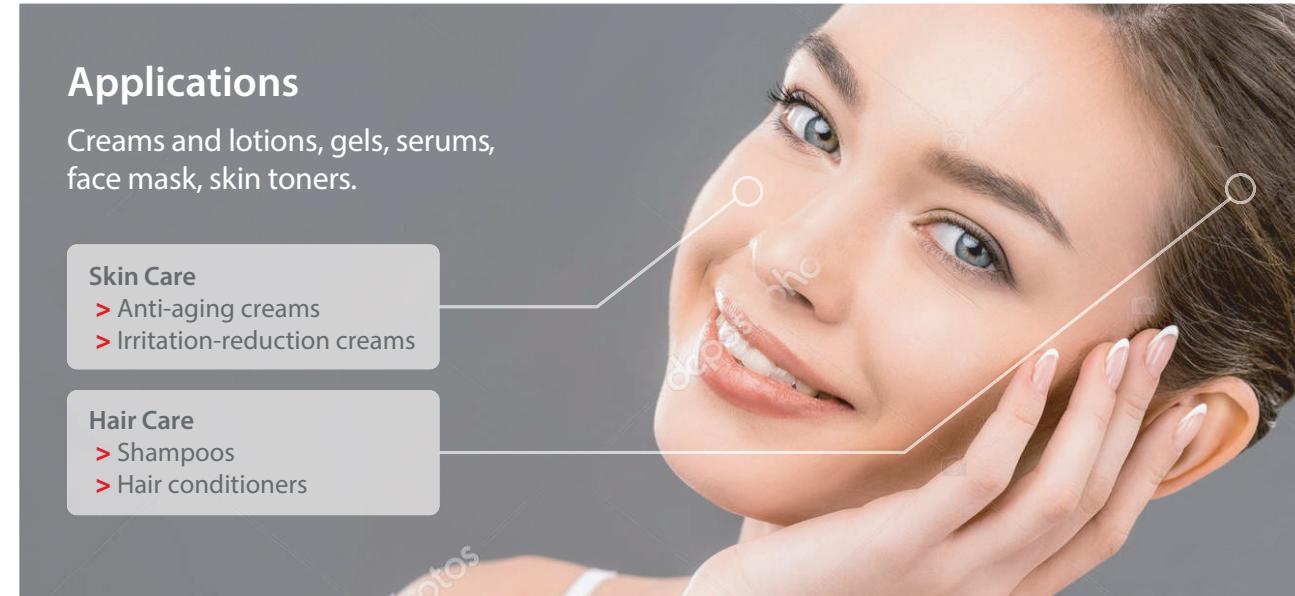


The project leading to this application has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 783868



L-Fucose

A rare sugar with benefits for skin care applications



Recommended use

L-Fucose can be introduce in cosmetic formulations as anti-aging, skin moisturing and/or skin-conditioning agent.

L-Fucose has thickening, gelling or emulsifying properties, which can influence the final product.

Can be used in the range of 0.1-1% (w/v).

Suitable for use in products formulations for sensitive skin.

It's easy to formulate and there are no reactivity/incompatibilities known with other cosmetic ingredients.

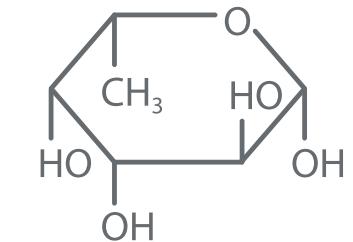


Description

L-Fucose is a methyl pentose sugar which belongs to the family of deoxy sugars. **L-Fucose** is a rare monosaccharide with limited natural availability.

It is a monosaccharide considered one of the eight essential sugars necessary to the body's function.

Setenta e Três Mil e Cem has developed and patented a novel bacterial biopolymer – **FucoPol** – as a natural source for the efficient production of pure **L-Fucose**.



Product name: L-Fucose
CAS Number: 2438-80-4

Specifications

Appearance	Fine powder
Color	White powder
Odor	Odorless
Dry matter content	≥95%
Solubility overview	Soluble in water (50 g/L), alcohol, methanol and ethanol
Shelf life	24 months stored at ambient temp

Natural Origin

Dermatologist Tested and Hypoallergenic

Preservative free

Extracted from renewable, inexhaustible, traceable and constant quality source

Free of GMOs

Biological Effects

There is vast literature available demonstrating the beneficial effects of **L-Fucose**.

It has been demonstrated that **L-Fucose** reduces the symptoms of allergic contact dermatitis.

L-Fucose as cosmetic ingredient can provide:

- Regenerative action;
- Improvement in the skin elasticity and firmness;
- Reduction of allergic reactions;
- Protective and healing function;
- Skin moisturizing
- Immunostimulant properties;
- Improvement of the skin barrier function;
- Provide soft improved feel and texture to skin and hair.