

MANNA

MANNAFERM HF

THE EXTRAORDINARY PROPERTIES OF FERMENTED SICILIAN MANNA



COSMETIC INGREDIENT FROM
UPCYCLING

COSMOS
APPROVED

DESCRIPTION OF THE PRODUCT

In Ancient Rome, it was called Honey Dew or the Oozing of Stars. In the Bible it is described as a gift of God, sweet and white as frost. During the summer, the skilled hands of local ash tree growers harvest the precious product, maintaining a centuries-old tradition.

The sap of the ash tree is drawn from the bark of the trunks in the form of a liquid resin which the baking hot sun turns into white stalactites of Manna, rich in mannitol, organic acids, sugars, mucilage, resins, nitrogen compounds.

Enhanced by our exclusive hyperfermentation technology, the phytocomplex of Sicilian Manna becomes MANNAFERM HF, a strong aid in skin treatment.

BENEFITS

- **Protects cells against osmotic stress** (*in vitro* test)
- **Protects cell junctions for greater cohesion of the epidermis** (*in vitro* test)
- **Moisturizes skin for 24 hours after the first application** (*in vivo* test)
- **Total body moisturizing action: face, décolleté, arms, hands, legs, scalp** (*in vivo* test)
- **Deep moisturization (+17%) and long-term moisturization (+15,5%)** (*in vivo* test)
- **Reduces skin scaliness (-34%)** (*in vivo* test)
- **Increases skin firmness (+ 41%)** (*in vivo* test)
- **Reduces wrinkles (-40%) and smoothens skin (+9%)** (*in vivo* test)

TECHNICAL INFORMATION

INCI: glycerin, Fraxinus excelsior bark extract, saccharomyces ferment lysate filtrate, citric acid.

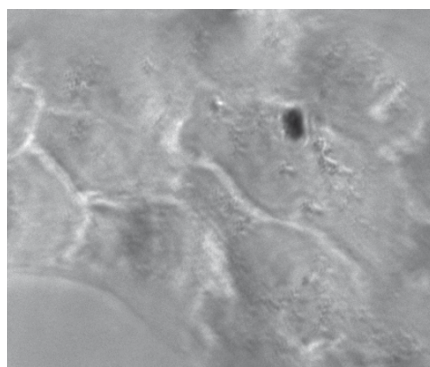
PLANT USED: Sicilian Manna.

TECHNOLOGY: Hyperfermentation Technology.

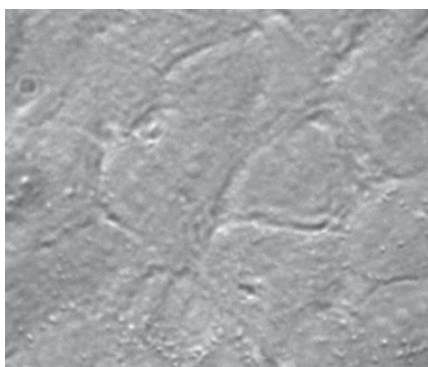
RECOMMENDED CONCENTRATION: 3% w/w.

BIOLOGICAL STATUS: COSMOS approved.

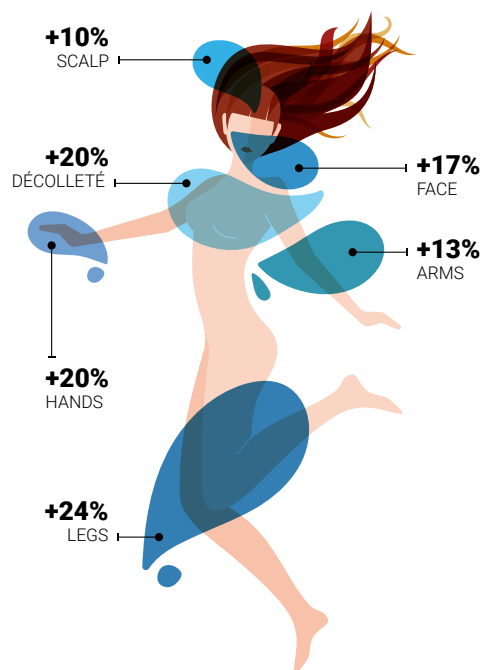
CHINA STATUS: China listed.



Osmotic Stress



Osmotic Stress + MANNAFERM HF 1% w/w



Total body hydrating action with MANNAFERM HF 3% w/w after 7 days of treatment

The morphological analysis of keratinocytes shows that MANNAFERM HF is able to protect cell junctions against osmotic stress, enhancing the cohesion of the epidermis