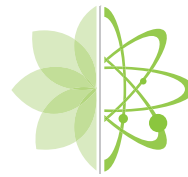




COSMOS  
APPROVED



naturalis®  
LIFE TECHNOLOGIES



# PHYTO-COMPLEX HER

(Healing & repairing Plant Complex)



Helichrisum  
Angustifolium



Mimosa Tenuiflora



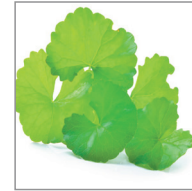
Propolis



Aesculus Ippocastanum



Equisetum Arvense



Hydrocotyle Asiatica



Hypericum Perforatum

## DESCRIPTION:

Synergic vegetal complex obtained by ultrasonic waves at low temperature. Phyto-Complex HER is a synergic plant extracts blend with healing, anti-inflammatory, moisturizing and antiseptic properties particularly suited to formulate curative hand care products.

## COMPOSITION:

- Helichrisum Angustifolium
- Mimosa Tenuiflora
- Propolis
- Aesculus Ippocastanum
- Equisetum Arvense
- Hydrocotyle Asiatica
- Hypericum Perforatum

## COSMETIC INTEREST:

Severely dry skin can undergo the formation of micro lesions that often can become infected. Phyto-Complex HER is used to formulate effective intensive healing & repair hand products thanks its healing, anti-inflammatory, antiseptic and moisturizing properties. It can be easily added in creams, gels, lotions and soaps

## ACTIVITY:

Anti-inflammatory, antiseptic, for tissue lesions caused by physical, chemical, microbial or deficient blood supply district.

## INCI NAME:

Helychrysum Italicum Flower Extract, Mimosa Tenuiflora Bark Extract, Propolis Extract, Aesculus Hippocastanum Seed Extract, Equisetum Arvense Leaf Extract, Centella Asiatica Leaf Extract, Hypericum Perforatum Extract, Glycerin, Aqua.

## INCI NAME (CTFA):

Helychrysum Italicum Flower Extract, Mimosa Tenuiflora Bark Extract, Propolis Extract, Aesculus Hippocastanum (Horse Chestnut) Fruit Extract, Equisetum Arvense Leaf Extract, Centella Asiatica Leaf Extract, Hypericum Perforatum Extract, Glycerin, Water.

**CAS N°:** 90045-56-0, 93685-96-2, 85665-41-4, 8053-39-2, 71011-23-9, 84696-21-9, 84082-80-4, 56-81-5

**EINECS N°:** 289-918-2, 297-646-0, 288-130-6, 232-497-7, 275-123-8, 283-640-5, 282-026-4, 200-289-5

## SPECIFICATION:

Density (at 20° C):	1,12 ± 0,010
pH:	6,0 ± 0,5
Dry matter:	3 – 5%
Appearance:	Clear liquid
Colour:	Dark amber
Odour:	Slight aromatic
Refractive index:	1,40 – 1,44
Bacteria:	< 100 germs/ ml
Yeast & Moulds:	< 10 germs/ ml

# PHYTO-COMPLEX HER (Healing & repairing Plant Complex)



## PRESERVATIVE:

Benzyl Alcohol (0,6%), Sodium Benzoate (0,18%), Potassium Sorbate (0,12%)

## SOLUBILITY:

Soluble in water phase

## RECOMMENDED USAGE:

Use level: 3-5%

Formulating pH range: any value

Formulating temperature range: 20 to 75°C

## CERTIFICATION STATUS:

Natural product

ECOCERT Approved

COSMOS Approved

GMOrganisms

Not tested on animals

## SAFETY & TOXICITY

Reference COMMISSION REGULATION (EC) No 987/2008 of 8 October 2008 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH):

- non-irritating
- non-toxic

## PACKAGING:

10 kg Plastic drum

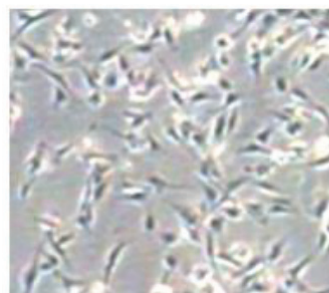
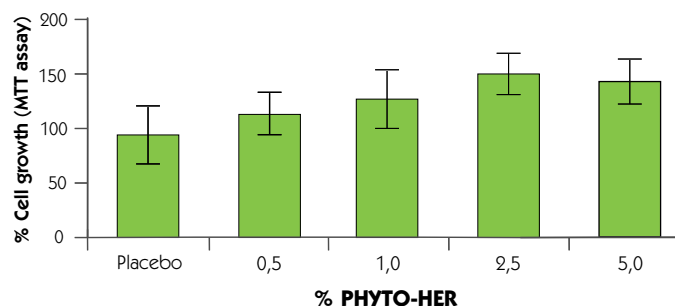
## SHELF LIFE:

18 Months away from light and heat source, closed containers.

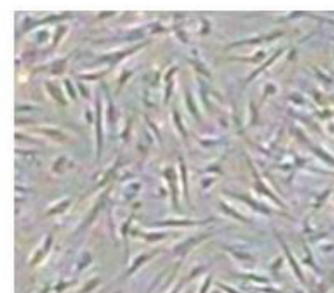
## CLAIM SUBSTANTIATION:

**IN VIVO TEST** The healing and tissue repairing properties of Phyto-complex HER was evaluated in vitro using monolayer cultures of fibroblast treated with increasing percentage of Phyto-complex HER.

Data demonstrated as Phyto-complex HER was able to stimulate cell growth of fibroblasts NIH 3T3 (+52%). The same results was observed on cultures of keratinocytes (+21%).



Control



5% Phyto-HER

Treatment of fibroblast cell cultures with Phyto-complex HER induced a significant increase of procollagen-1 in a dose responsively (ELISA test)

