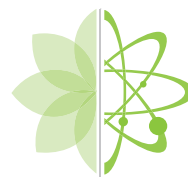




COSMOS  
APPROVED



naturalis®  
LIFE TECHNOLOGIES



# PHYTO-COMPLEX DAF

(Anti-dandruff Plant Complex)



Hedera Helix Leaf



Salvia Officinalis Leaf



Nasturtium  
Officinale Flower



Propolis



Cetraria Islandica



Rosmarinus Officinalis  
Leaf

## DESCRIPTION:

Synergic vegetal complex obtained by ultrasonic waves at low temperature. Phyto-Complex DAF is an innovative response to all types of dandruff thanks to a special pool of powerful sebum normalizing molecules that improve the defenses of scalp, eliminating dandruff and normalizing the levels of hydration and sebum

## COMPOSITION:

- Hedera Helix Leaf
- Salvia Officinalis Leaf
- Nasturtium Officinale Flower
- Propolis
- Cetraria Islandica
- Rosmarinus Officinalis Leaf

## COSMETIC INTEREST:

Phyto-Complex DAF is used as antibacterial, purifying and for dandruff treatments. It can be easily used for formulating shampoos, lotions, balms, gels and hair-care products.

## ACTIVITY:

Strong antibacterial, Sebum-regulating, Purifying, Anti dandruffon

## INCI NAME:

Hedera Helix Leaf Extract, Salvia Officinalis Leaf Extract, Nasturtium Officinale Flower / Leaf Extract, Propolis Extract, Cetraria Islandica Extract, Rosmarinus Officinalis

Leaf Extract, Glycerin, Aqua.

## INCI NAME (CTFA):

Hedera Helix (Ivy) Leaf Extract, Salvia Officinalis (Sage) Leaf Extract, Nasturtium Officinale Extract, Propolis Extract, Cetraria Islandica, Extract, Rosmarinus Officinalis (Rosemary) Leaf Extract, Glycerin, Water.

**CAS N°:** 84082-54-2, 84082-79-1/8022-56-8, 84775-70-2, 85665-41-4, 84604-14-8, 56-81-5

**EINECS N°:** 282-000-2, 282-025-9/-, 283-899-4, 288-130-6, 283-291-9, 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

## PRESERVATIVE:

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

## SOLUBILITY:

Soluble in water phase

# PHYTO-COMPLEX DAF (Couperose Plant Complex)



## 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:

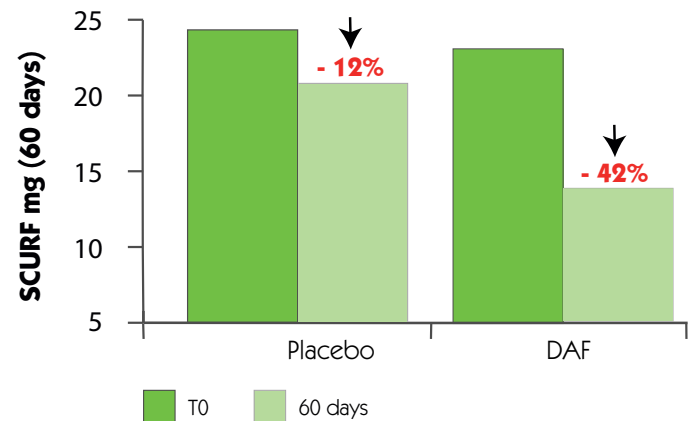
### Clinical test: gravimetric evaluation of scurf quantity:

20 male volunteers (divided into 2 groups) have been used. Each subject was assigned his own hair brush. Each subject was instructed to brush his scurf onto a black sheet of poly-vinyl acetate plastic approximately 24 X 30 cm to make the scurf easier to see. Each patient stroked his scalp 90 times from the back to the front. Thirty strokes on the left third, 30 strokes on the center third, and 30 strokes on the right third were taken. Then the remaining loose dandruff is shaken onto the

plastic sheet by hand. The scurf adhering to the hair brush and that on the collection surface was gathered together for weighing.

### Duration of treatment: 60 days

Protocol: The subjects were instructed to shampoo their hair with a mild shampoo which was supplied to them and then 10ml of the test material (hydroalcolic lotion containing 5% Phyto-DAF and the same lotion without active ingredient as placebo) on the scalp.



### Clinical test:

#### measurements of the number of active glands

As dandruff is often correlated to marked hyposeborrhoea (dry scalp), it was carried out a clinical test on 14 male volunteers with balding (seven treated with Phyto-DAF and seven with placebo) in order to evaluate seborrhoea activity after treatment.

