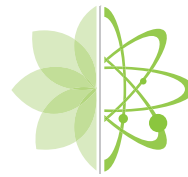




COSMOS
APPROVED



naturalis®
LIFE TECHNOLOGIES



PHYTO-COMPLEX DH

(Dry hair Plant Complex)



Prunus Amygdalus Sativa



Panicum Miliaceum



Linum Usitatissimum



Olea Europaea



Rosmarinus Officinalis



Arnica Montana

DESCRIPTION:

Synergic vegetal complex obtained by ultrasonic waves at low temperature. Phyto-Complex DH is a blend of plant extracts in a concentrated form designed to nourish and moisture dry hair, preserving lightness and softness, restoring their brilliance.

COMPOSITION:

- Prunus Amygdalus Sativa
- Panicum Miliaceum
- Linum Usitatissimum
- Olea Europaea
- Rosmarinus Officinalis
- Arnica Montana

COSMETIC INTEREST:

Phyto-Complex DH is used as moisturizing and nourishing for weak and dry hair. It can be easily added to shampoos, lotions, balms, gels and any other hair care products.

ACTIVITY:

Moisturizing, Nourishing for dry hair

INCI NAME:

Prunus Amygdalus Dulcis Seed Extract, Panicum Miliaceum Seed Extract, Linum Usitatissimum Seed Extract, Olea Europeae Leaf Extract, Rosmarinus Officinalis Leaf Extract, Arnica Montana Flower Extract, Glycerin, Aqua.

INCI NAME (CTFA):

Prunus Amygdalus Dulcis (Sweet Almond) Seed Extract, Panicum Miliaceum (Millet) Seed Extract, Linum Usitatissimum (Linseed) Seed Extract, Olea Europaea (Olive) Leaf Extract, Rosmarinus Officinalis (Rosemary) Leaf Extract, Arnica Montana Flower Extract, Glycerin, Water.

CAS N°: 90320-37-9, 90082-36-3, 8001-26-1, 84012-27-1, 84604-14-8, 68990-11-4, 56-81-5

EINECS N°: 291-063-5, 290-125-9, 232-278-6, 232-277-0, 283-291-9, 273-579-2, 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 DH (Dry hair 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
GM Organisms
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:

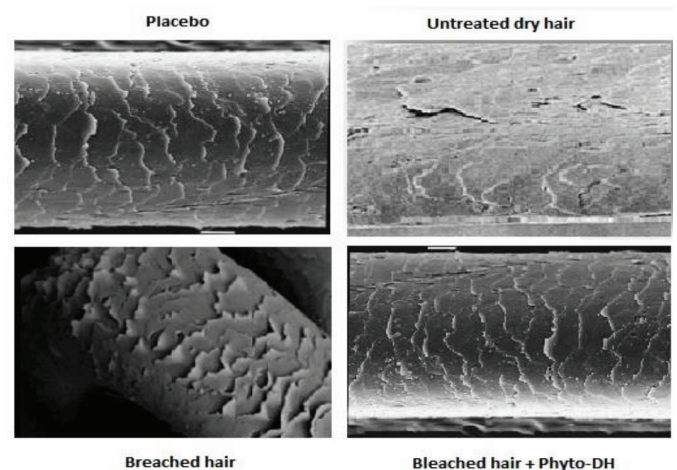
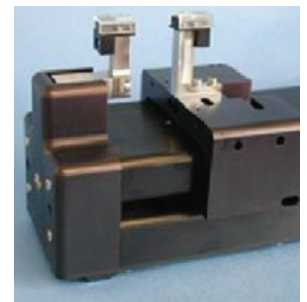
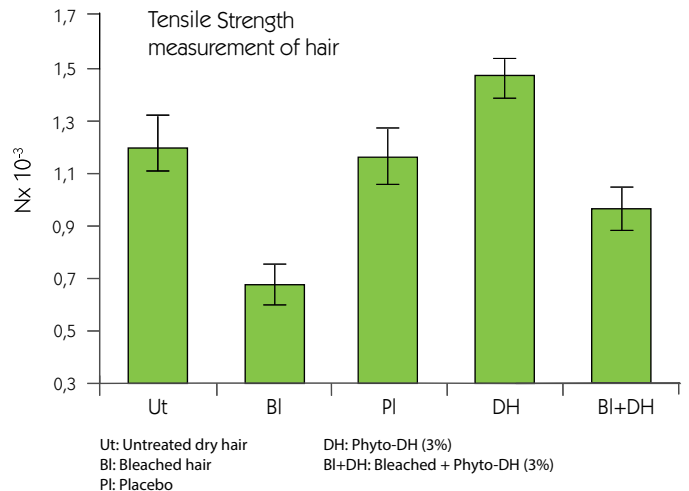
18 Months away from light and heat source, closed containers.

CLAIM SUBSTANTIATION:

Clinical test: gravimetric evaluation of scurf quantity:

As dry hair are more prone to fractures, it was assessed the resistance to breakage of hair tresses treated with a lotion containing 3% Phyto-DH against the same lotion without Phyto-DH used as placebo.

Hair tresses, 15 cm long were obtained from International Hair Importer, Inc and treated with lotion containing Phyto-DH, Placebo, commercial bleaching product and aggressive shampoos for untreated dry hair. All types of hair were tested via Single Hair Fiber Tensile Strength Analysis. The hair samples were placed in a Dia-Stron Miniature Tensile Tester (Model MTT175) for the determination of tensile strength.



Strengthening Effect:

Phytocomplex DH increased the breaking force of:
30% vs Untreated dry hair
22% vs bleached treated