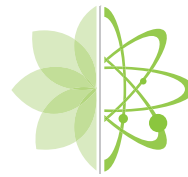




COSMOS
APPROVED



naturalis®
LIFE TECHNOLOGIES



PHYTO-COMPLEX HL

(Anti hair loss Plant Complex)



Humulus Lupulus



Cimicifuga
Racemosa Root



Punica Granatum
(antioxidant)



Trigonella
Foenum-Graecum



Salvia Officinalis



Serenoa Serrulata
Fruit Citrus



Limonum Peel Extract

DESCRIPTION:

Synergic vegetal complex obtained by ultrasonic waves at low temperature. Phyto-Complex HL is an effective anti-hair loss plant extracts complex that exerts a strong stimulating activities of the bulb with "hormone-like" mechanism. It protects the scalp and shows a good antiseptic activity

COMPOSITION:

- Humulus Lupulus
- Cimicifuga Racemosa Root
- Punica Granatum
- Trigonella Foenum-Graecum
- Salvia Officinalis
- Serenoa Serrulata Fruit Citrus
- Limonum Peel Extract

COSMETIC INTEREST:

Phyto-Complex HL is used as a powerful stimulant of the hair bulb. It can be easily added to shampoos, lotions, balms, gels and haircare products..

ACTIVITY:

Anti-hair loss, Stimulates hair bulbs, Hormone-like activity, Protecting of the scalp, Antiseptic

INCI NAME:

Humulus Lupulus Extract, Cimicifuga Racemosa Root Extract, Punica Granatum Extract, Trigonella Foenum-Graecum Seed Extract, Salvia Officinalis Leaf Extract, Se-

renoa Serrulata Fruit Extract, Citrus Limonum Peel Extract, Glycerin, Aqua.

INCI NAME (CTFA):

Humulus Lupulus (Hops) Flower Extract, Cimicifuga Racemosa Root Extract, Punica Granatum (Pomegranate) Extract, Trigonella Foenum-Graecum Seed Extract, Salvia Officinalis (Sage) Leaf Extract, Serenoa Serrulata Fruit Extract, Citrus Medica Limonum (Lemon) Peel Extract, Glycerin, Water.

CAS N°: 8060-28-4, 84776-26-1, 84961-57-9, 84625-40-1, 84082-79-1/8022-56-8, 84604-15-9, 84929-31-7, 56-81-5

EINECS N°: 232-504-3, 283-951-6, 284-646-0, 283-415-1, 282-025-9/-, 283-292-4, 284-515-8, 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%)

PHYTO-COMPLEX HL (Anti hair loss Plant Complex)



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:

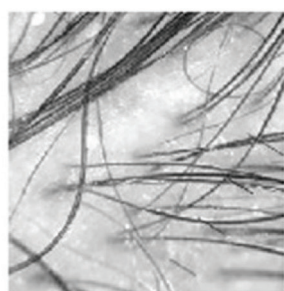
Clinical study on 9 male volunteers suffering from hair thinning at the front and upper part of the scalp and with a baldness classified as type IV of Norwood scale:

Phototrichogramme and digital imaging analysis:	T0	T = 8 weeks
Percentage of hair in anagen (growth) phase:	78,4	89,3 (+14%)
Percentage of hair in catagen (rest) phase:	17,2	10,1
Percentage of hair in telogen (loss) phase:	4,4	0,6

Increase in hair density after 8 weeks:

Increase in visible hair volume +61%

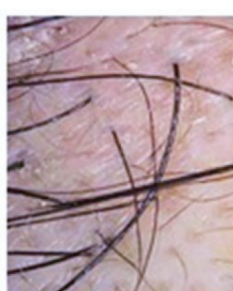
Hair regrowth speed +28%



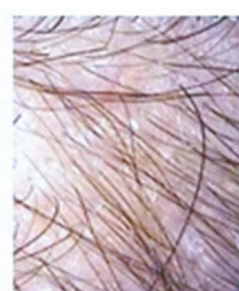
T0



T=8 weeks



T0



T=8 weeks