HOLISTIC HAIR CARE: FROM ROOTS TO ENDS

Today we present a global approach to hair and its main problems:

- **Lack of energy and nutrition**
- **Lack of hair fiber cohesion due to loss of its main elements: proteins (keratin) and ceramide**s

This results in weakness, hair loss and lack of density; brittleness and breakage. The hair lacks vitality and appears dull.

This comprehensive, holistic approach restores hair vitality by providing each of these elements:

Naturally Effective

GLYCOENERGIZER HAIR
PURE MARINE ENERGY FOR HAIR GROWTH

Active ingredient with epigenetic activity based on purified marine glycogen.

Thanks to its homology with the epidermal and capillar cells glycogen, it ensures the availability of energy in the active growth phase of the hair follicle.

GLYCOENERGIZER HAIR has shown to stimulate hair growth and vitality, increasing hair thickness and decreasing fine hair.

BIO-CERAMIDYL HAIR
HOMOLOGOUS HAIR CERAMIDES

Natural, highly purified, concentrated glyco-ceramides, joint with cholesterol and phospho-lipids, analogous to the human's hair ceramides.

Though ceramides occur naturally in the hair, overuse of chemical treatments, excessive use of heat and over-cleansing in time depletes ceramides and leads to weak cuticles.

BIO-CERAMIDYL HAIR improves scales binding and restores the natural hair properties by providing a ceramides supply.

BIO-KERATIN PF
KERATIN PRECURSOR

Active ingredient obtained from a controlled bio-hydrolysis of native proteins, with high homology and bio-affinity for the hair's keratin.

Thanks to its bioaffinity, the hydrolysed keratin contained in BIO-KERATIN PF, can get into the cuticle scales,and help sealing the hair cuticle restoring and recovering the hair fiber.

Naturally Effective

FORMULATION GUIDELINES

1) PROT.327/20 SOFT SHAMPOO (BIO-CERAMIDYL HAIR)

PHASE	RAW MATERIAL	%
1	WATER	38,46
	BIOPROPANEDIOL	8,00
	DERMOSOFT OMP	3,00
2	GAFQUAT 755N	0,40
	ABIL QUAT 3272	2,00
3	PLANTACARE 1200	10,00
	PLANTACARE 2000	8,00
	DEHYTON K COS / BZ	16,00
	COCONUT DIETHANOLAMINE	2,00
	PERFUME	0,30
4	BIOCERAMIDYL HAIR	3,00
5	OXETAL VD	5,00
	ANTIL HS 60	2,00
6	LACTIC ACID SOL.20%	1,84
	TOTAL	100,00

Note: It is the duty of the formulator to make sure of the stability of the formulation with the necessary tests

MANUFACTURING PROCESS

1) Add the ingredients from phase 1 and stir until dissolution

2) Add phase 2 to 1 and stir

3) Premix phase 3 (heat Plantacare 1200 to melt if needed)

4) Add 3 to 1 + 2 and homogenize the whole

5) Add phase 4, stir

6) Add phase 5, homogenize

7) Adjust the pH with phase 6 if needed (pH = 5.0 - 5.5)

Naturally Effective

FORMULATION GUIDELINES

2) PROT.328 / 20 CONCENTRATE - REPAIR- RECONSTRUCTOR (BIO-CERAMIDYL HAIR)

PHASE	RAW MATERIAL	%
1	WATER	77,30
	GLYCERIN	2,00
	PANTHENOL 100%	1,00
	DERMOSOFT OMP	3,00
	ABIL QUAT 3272	2,00
2	VARISOFT BT 85	4,00
	LANETTE 18	3,50
	LANETTE 16	2,00
3	BIO-CERAMIDYL HAIR	5,00
4	PARFUME MIELISIMO	0,20
	TOTAL	100,00

Note: It is the duty of the formulator to make sure of the stability of the formulation with the necessary tests

MANUFACTURING PROCESS

1) Prepare phase 1 and heat up to 75-80ºC

2) Prepare phase 2 and heat up to 75-80ºC

3) Add phase 2 to 1 and emulsify with turbine

4) Cool under 40ºC add phase 3 and 4

5) Homogenize

Naturally Effective

FORMULATION GUIDELINES

3) PROT.329/20 HAIR FILLER (BIO-KERATIN PF)

PHASE	RAW MATERIAL	%
1	WATER	89,80
	DERMOSOFT ECO 1388	3,00
2	GLYCERIN	2,00
	SODIC HYALURONATE	0,20
3	BIO-KERATIN PF	5,00
	TOTAL	100

Note: It is the duty of the formulator to make sure of the stability of the formulation with the necessary tests

MANUFACTURING PROCESS

1) Add phase 1 and stir

2) Premix phase 2

3) Add phase 2 to 1 and stir to get an homogeneous mixture

4) Add phase 3 to 1 + 2 and homogenize

5) Adjust the pH if needed 5.0 - 5.5

Naturally Effective

FORMULATION GUIDELINES

4) PROT.330/20 ENERGY HAIR BOOSTER (GLYCOENERGIZER HAIR)

PHASE	RAW MATERIAL	%
1	WATER	83,87
	BIOPROPANEDIOL	2,00
	DERMOSOFT ECO 1388	3,00
	GAFQUAT 755N	0,30
2	PANTHENOL 100%	0,50
3	GLYCOENERGIZER HAIR	10,00
4	LACTIC ACID SOL.20%	0,33
	TOTAL	**100**

Note: It is the duty of the formulator to make sure of the stability of the formulation with the necessary tests

MANUFACTURING PROCESS

1) Add phase 1 to the reactor and stir until dissolution

2) Add phase 2 to 1 and homogenize

3) Add phase 3 to 1 + 2, stir

4) Adjust the pH if needed with phase 4 (pH = 5.0 - 5.5)

Naturally Effective