

Formulations Guide-line **CHIAPROTECT**



FORMULATIONS FOR HAIR CARE



CHIAPROTECT protects hair fibers from the oxidative damage generated by sun radiation, creating a protective film that avoids protein loss caused by UV damage, holding water retention and preventing photo-oxidation.

PROPERTIES:

- Emollient, protective, smoothing and nourishing products
- Prevents hair color fading from sun exposure
- Protects hair fiber integrity from sun exposure
- Anti free radicals
- Hair repairing treatments
- Hair nutrition

Formulations

Prot. 23/15-R : Color Protection Hair Lotion

Prot. 276/16 : Hair Mask

Prot. 265/15 : Hair Conditioner

Prot. 79/15: Restructuring & Conditioning Hair Serum

Prot. 277/16 : Shampoo with 1% Chiaprotect

Prot. 324/15-R : Conditioning Shampoo

COLOR PROTECTOR HAIR LOTION

Prot.: 23/15-R

Phase	Ingredients	%	Supplier
1	DEMINEALIZED WATER	80,075	DR. STRAETMANS
	DISODIUM EDTA	0,20	
	DERMOSOFT OMP	3,00	
2	DEMINEALIZED WATER	5,00	MERCK
	EUSOLEX 232	1,00	
	NaOH 4N	1,00	
3	PEG-60 HYDROGENATED	1,00	
	CASTOR OIL		
	PARFUM	0,10	
4	SIMULGEL EG	3,50	SEPPIC
	EUSOLEX 2292	3,00	MERCK
	CHIAPROTECT	1,00	COBIOSA
5	NaOH 1N	1,125	

Manufacturing process

1. Mix the ingredients of phase 1. Stirring
2. Mix the ingredients of phase 2 separately
3. Add phase 2 into phase 3. Stirring
4. Add phases 2 + 3 into phase 1, stirring until total homogenization

It is the duty of the formulator to make sure of the stability of the formulae with the necessary tests

HAIR MASK

Prot.: 276/16

Phase	Ingredients	%	Supplier
1	DEMINERALIZED WATER	64,80	
	DISODIUM EDTA	0,20	
	DERMOSOFT OMP	3,00	DR. STRAETMANS
	POLYQUATERNIUM-7	2,00	
	ABIL QUAT 3272	1,00	BASF
	N-DURHANCE A-1000 POLYMER	4,00	SEPPIC
2	NATROSOL 250-HR	1,20	ASHLAND
3	DEHYQUART C 4046	5,00	BASF
	LANETTE O OR	2,50	BASF
	VARISOFT BT 85 PELLETS	5,00	EVONIK
	INCA OMEGA OIL DEO	1,00	COBIOISA
	CHIA PROTECT	5,00	COBIOISA
4	DOW CORNING 949	2,00	DOW CORNING
5	BIO-CERAMIDYL HAIR	3,00	COBIOISA
6	PARFUM	0,20	
7	LACTIC ACID SOL.20%	0,10	

Manufacturing process

1. Add ingredients of phase 1, stirring
2. Cool down phase 1, adding Natrosol of phase 2, stirring to swell it up completely
3. Heat phases 1+2 to 75-80°C
4. Heat phase 3 to 75-80°C
5. Emulsify phase 3 into phase 1+2, switching on turbine
6. Cool down and at less that 40°C add phases 4, 5 and 6. Homogenize.
7. Adjust pH to 4,0 - 4,5 with Lactic Acid

It is the duty of the formulator to make sure of the stability of the formulae with the necessary tests

HAIR CONDITIONER

Prot.: 265/15

Phase	Ingredients	%	Supplier
1	DEHYQUART C4046	6,00	BASF
	LANETTE O OR	2,00	BASF
	CHIA PROTECT	1,00	COBIOISA
	SILICONE 200/350	1,00	DOW CORNING
2	DESMINERALIZED WATER	67,00	
	PANTENOL	2,00	DSM
	DERMOSOFT OMP	3,00	DRSTRAETMANS
	DISODIUM EDTA	0,20	
	COSMEDIA GUAR C261	0,50	BASF
3	PROPILENGLICOL	5,00	
	DEHYQUART A-CA	3,00	BASF
	DEHYQUART CC7 BZ	2,00	BASF
	GAFQUAT 755	2,00	BONDERALIA
4	BIO-CAPIGEN VEG	5,00	COBIOISA
5	PARFUM	0,15	
6	LACTIC ACID SOL.20%	0,15	

Manufacturing process

1. Mix ingredients of phase 1. Heat to 75-80°C
2. Mix ingredients of phase 2 separately and heat to 75-80°C
3. At the right temperature, add phase 1 into phase 2 and emulsify at turbine
4. Start cooling down and at less than 40°C, add phase 3, stirring
5. Then add phases 4 and 5, stirring to get the homogenization
6. Adjust pH to 4,0 – 4,5 with the Lactic Acid of phase 6

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RESTRUCTURING & CONDITIONING HAIR SERUM

Prot.: 79/15

Phase	Ingredients	%	Supplier
1	DOW CORNING 1501	55,00	DOW CORNING
	DOW CORNING 245	39,90	DOW CORNING
	CHIAPROTECT	3,00	COBIOISA
	ALMOND OIL	1,00	
	MONOI DE TAITI	0,50	
	COVI-OX T 70	0,50	BASF
2	PARFUM	0,10	

Manufacturing process

1. Add the ingredients of phase 1
2. Heat phase 1 until total homogenization
3. Start the cooling process and under 40°C add phase 2
4. Stir until total homogenization

It is the duty of the formulator to make sure of the stability of the formulae with the necessary tests

SHAMPOO WITH 1% CHIA

Prot.: 277/16

Phase	Ingredients	%	Supplier
1	DEMINEALIZED WATER	32,95	
	VISCOLAM MAC 10	5,00	LAMBERTI
	TEXAPON N 25 BZ	35,00	BASF
	SODIUM HYDROXIDE 4N	1,50	
2	PLANTACARE 818	5,00	BASF
	DEHYTON PK	10,00	BASF
	DERMOSOFT OMP	2,50	DR. STRAETMANS
	COSMEDIA GUAR C261	1,00	BASF
	CHIAPROTECT	1,00	COBIOISA
3	SODIUM CHLORIDE	0,85	
	EUPERLAN PK 771	4,00	BASF
4	LACTIC ACID SOL.20%	1,20	

Manufacturing process

1. Add Water, Viscolam Mac 10 and Texapon N25 of phase 1 and stiring
2. Add Sodium Hydroxide 4N to neutralize
3. Premix phase 2. Add 2 to 1 and stiring
4. Add ingredients of phase 3
5. Adjust pH with phase 4

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CONDITIONING SHAMPOO

Prot.: 324/15-R

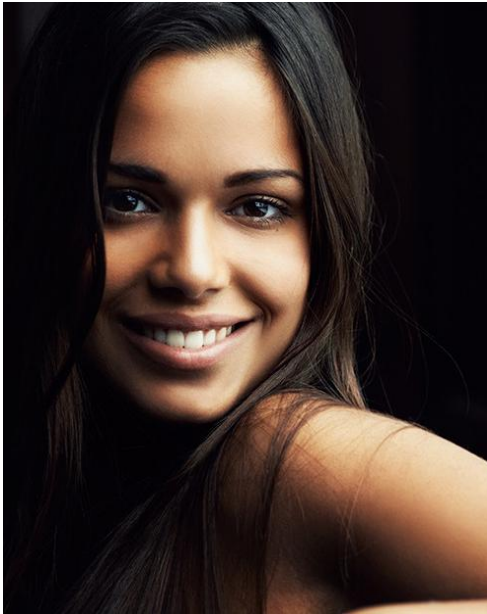
Phase	Ingredients	%	Supplier
1	TEGO SULFOSUCCINATE DO 75	9,00	BONDERALIA
	SWEET ALMONDS OIL	20,00	
	CHIAPROTECT	5,00	COBIOISA
	DOW CORNING 200/350	5,00	DOW CORNING
	ABIL SOFT AF-100	1,00	BASF
2	SURFACTANT	15,00	BASF
	DEHYTON PK	6,00	BASF
	DEMINERALIZED WATER	30,10	
	DEHYQUART 701	0,50	BASF
	COCAMIDE DEA	2,00	
	GLYCERIN	2,00	
	DISODIUM EDTA	0,20	
DERMOSOFT OMP	3,00	DR. STRAETMANS	
3	PARFUM	0,20	
4	LACTIC ACID SOL.20%	1,00	

Manufacturing process

1. Add ingredients phase 1 and heat 60°C
2. Add ingredients phase 2 and heat 60°C.
3. Add phase 1 to 2 and emulsified
4. Cold down to 40°C and add Phase 3. Stirring
5. Adjust the pH with Phase 4 if necessary

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FORMULATIONS FOR SKIN CARE



Loaded with very high levels of phytonutrients: PUFA's (60% Omega-3, and 20% Omega-6), vitamins and much higher antioxidant capacity than blueberry

PROPERTIES:

- Calming and anti-redness effect
- Helps to reduce inflammation
- Provides exceptional hydration
- Restores the skin barrier
- Anti-age activity thanks to its anti-free radical capacity.

Formulations

Prot. 81/15 : Regenerating Lipstick

Prot. 311/15-R : Moisturizing Day Cream

Prot. 29/16-R : Nutritive Night Cream

Prot. 215/16 : Sensitive Skin Cream

Prot. 78/15: Amazing Shower Gel

Prot. 184/15-R : Peeling Gel to Milk

REGENERATING LIPSTICK

Prot.: 81/15

Phase	Ingredients	%	Supplier
1	HYDRARGAN	19,35	COBIOISA
	CHIAPROTECT	1,00	COBIOISA
	PARAFFINUM LIQUIDUM	20,00	
	SHEA BUTTER	5,00	
	INCA OMEGA BUTTER	5,00	COBIOISA
	BEES WAX	24,00	
	GRAPE SEED OIL	19,35	
	COVI-OX T 70	0,10	BASF
	TOCOPHERYL ACETATE	0,20	BASF
2	DRAGON'S BLOOD LP	5,00	COBIOISA
3	LEMMON ESSENTIAL OIL	0,50	
	ORANGE ESSENTIAL OIL	0,50	

Manufacturing process

1. Melt the ingredients of phase 1 at 60-65°C
2. Add phase 2. Homogenize
3. Start cooling process under slow stirring
4. At 50°C, add phase 3. Stirring
5. Keep cooling. Pack at 45°C

It is the duty of the formulator to make sure of the stability of the formulae with the necessary tests

MOISTURIZINGDAY CREAM

Prot.: 311/15-R

Phase	Ingredients	%	Supplier
1	DEMINEALIZED WATER	83,15	
	DISODIUM EDTA	0,20	
	DERMOSOFT OMP	3,00	DR. STRAETMANS
2	MONTANOV 68	5,00	SEPPIC
	LANETTE 16	2,00	BASF
	STEARIC ACID	2,00	
	CHIA PROTECT	4,00	COBIOSA
	COVI-OX T70C	0,20	BASF
3	NaOH 1N	0,45	

Manufacturing process

1. Heat Phase 1 to 75-80°C
2. Heat Phase 2 to 75-80°C
3. Add phase 2 to phase 1. Emulsify
4. Cool down. Homogenize
5. Adjust pH with phase 3 if necessary

It is the duty of the formulator to make sure of the stability of the formulae with the necessary tests

NUTRITIVE NIGHT CREAM

Prot.: 29/16-R

Phase	Ingredients	%	Supplier
1	MONTANOV 68	5,00	SEPPIC
	OMEGA BUTTER	4,00	COBIOISA
	SQUALANE	5,00	
	COVI-OX T70C	0,10	BASF
	CETIOL CC	5,00	BASF
	MYRITOL 318	5,00	BASF
	CHIA PROTECT	2,00	COBIOISA
2	WATER	53,05	
	GLYCERIN	3,00	
	DISODIUM EDTA	0,20	
	DERMOSOFT OMP	3,00	DRS TRAETMANS
	VEEGUM HV	1,50	ACOFARMA
3	XANTHAN GUM	0,10	
4	BIO-MARINE ELASTIN	5,00	COBIOISA
	BIO-MARINE COLLAGEN 6PH	5,00	COBIOISA
	PHYTODESCONGESTIVE	3,00	COBIOISA
5	PARFUM	0,05	INAROM

Manufacturing process

1. Heat phase 1 at 75 - 80°C
2. Prepare phase 2 and stirring until gel homogeneous
3. Add phase 3 to 2 and homogenizing with turbine
4. Heat 2+3 at 75-80°C
5. Add Phase 1 to Phase 2+3 and mix well under turbine
6. Cold down to 40°C. Add phase 4 y 5. Stirring

It is the duty of the formulator to make sure of the stability of the formulae with the necessary tests

SENSITIVE SKIN CREAM

Prot.: 215/16

Phase	Ingredients	%	Supplier
1	WATER	71,00	
	DERMOSOFT OMP	3,00	DRSTRAETMANS
	DISODIUM EDTA	0,10	
2	NATROSOL 250 HR	0,40	ASHLAND
3	MONTANOV 202	4,00	SEPPIC
	MONTANOV 14	2,00	SEPPIC
	LANETTE O OR	2,50	BASF
	PHYTOSCUALENO	5,00	SOPHIM
	MYRITOL 318	5,00	BASF
	INCA OMEGA OIL DEO	5,00	COBIOISA
	CHIAPROTECT	2,00	COBIOISA

Manufacturing process

1. Prepare phase 1 stirring
2. Add phase 2, stirring and homogenize
3. heat phase 1+2 to 75-80°C
4. Heat phase 4 to 75-80°C
5. Add phase 3 to 1+2 and Emulsifying
6. Start cooling. Homogenize

It is the duty of the formulator to make sure of the stability of the formulae with the necessary tests

AMAZING SHOWER GEL

Prot.: 78/15

Phase	Ingredients	%	Supplier
1	GLYCERIN	60,00	BASF
	SISTERNA PS750-C	2,00	SISTERNA
2	PARAFFINUM LIQUIDUM	34,70	
	COVI-OX T 70	0,20	BASF
	CHIAPROTECT	3,00	COBIOSA
3	PARFUM	0,10	

Manufacturing process

1. At phase 1, disperse Sisterna at Glycerin. Heat the mix to 75°C.
2. Heat phase 2 separately to 75°C
3. Mix gradually phase 2 into phase 1, under slow stirring
4. Start the cooling process and under 40°C add the parfum. Stir under homogenization
5. Finish the cooling process

It is the duty of the formulator to make sure of the stability of the formulae with the necessary tests

PEELING GEL TO MILK

Prot.: 184/15-R

Phase	Ingredients	%	Supplier
1	GLYCERIN	31,85	
	SISTERNA PS750-C	2,00	SISTERNA
2	CHIAPROTECT	5,00	COBIOSA
	ALMONDS OIL	14,00	
	MYRITOL 318	40,00	BASF
	ROSE HIP OIL	1,00	
	COVI-OX T70C	0,05	BASF
3	PARFUM	0,10	
4	EXFOLIANT ROSE HIP OIL	6,00	

Manufacturing process

1. At phase 1, disperse Sisterna at Glycerin. Heat the mix to 75°
2. Mix phase 2 separately and heat to 75°C
3. Add phase 2 into phase 1 very slowly while homogenizing
4. Cool down to less than 35°C and add phases 3 y 4. Stirring

It is the duty of the formulator to make sure of the stability of the formulae with the necessary tests