



**RES  
PHARMA**  
INNOVATIVE INGREDIENTS

# Emulpharma<sup>®</sup> CHROMA

YOUR DAILY HAIR ROUTINE BECOMES DE-LIGHTFUL





## PROPERTIES AND COMPATIBILITY

OIL COMPATIBILITY	TESTED
Silicones ( <i>Dimethicone, Ciclopentasiloxane</i> )	OK
Synthetic non polar and with medium polarity oils ( <i>Paraffinum Oil, Dicaprylyl Ether</i> )	OK
Polar Oils and Vegetal Oils ( <i>Jobaba Oil, Ricinus Oil, Shea Butter, Caprylic/Capric Triglyceride</i> )	OK

Oil compatibility has been tested using a base formula containing 5% of Emulpharma Chroma and 7% of oil.



Base Emulsion with Dimethicone. Leica DM 1000- 20x



Base Emulsion with CCT ( Caprylic/Capric Triglyceride )  
Leica DM 1000- 20 x

Emulpharma® CHROMA shows a high compatibility with  $H_2O_2$  and NaOH. It can be used to formulate developer and bleaching creams for professional hair care. It stabilizes up to 25%  $H_2O_2$ . ( **17R18\_DEV\_02** and **17R18\_DEC\_02** )

Emulpharma® CHROMA is the best choice also for ethnic hair treatments and it shows good stability performance also at alkaline pH. ( **17R18\_REL\_03 Relaxer Cream** ).

It gives good viscosity emulsions with the most common conditioning agents. ( **17R18\_VOL\_03 Volumizing Hair Remedy** )

## 17R18 DEV 02

### DEVELOPER CREAM 20 vv

Medium viscosity white gel-emulsion  
(pH 2.4)

	INCI Name	%
<b>Phase A</b>		
WATER	<i>Aqua</i>	To 100
SODIUM EDTA	<i>Disodium EDTA</i>	0.15
CETRIMONIUM CHLORIDE 30%	<i>Cetrimonium Chloride</i>	2
<b>EMULPHARMA® CHROMA</b>	<i>Lauryl Alcohol, Di-C12-15 Pareth-4 Phosphate, Myristyl Alcohol, Ceteth-2</i>	6
<b>Phase B</b>		
HYDROGEN PEROXIDE 35%	<i>Hydrogen Peroxide</i>	17
PARFUM	<i>Parfum</i>	0.3

## 17R18 DEC 02

### DIY: SHATUSHI!

Medium viscosity white gel-emulsion  
(pH 2.5)

	INCI Name	%
<b>Phase A</b>		
WATER	<i>Aqua</i>	To 100
SODIUM EDTA	<i>Disodium EDTA</i>	0.15
CETEARYL ALCOHOL	<i>Cetearyl Alcohol</i>	5
GLYCERIN	<i>Glycerin</i>	2
BEHENTRIMONIUM CHLORIDE	<i>Behentrimonium Chloride</i>	5
<b>RESPLANTA® CAMELINA MB</b>	<i>Camelina Sativa Seed Oil Glycereth-8 Esters</i>	1
<b>EMULPHARMA® CHROMA</b>	<i>Lauryl Alcohol, Di-C12-15 Pareth-4 Phosphate, Myristyl Alcohol, Ceteth-2</i>	4
<b>Phase B</b>		
HYDROGEN PEROXIDE 35%	<i>Hydrogen Peroxide</i>	25
PARFUM	<i>Parfum</i>	0.4

# FORMULATION GUIDE

## 17R18 REL 03 RELAXER

	INCI Name	%
<b>Phase A</b>		
WATER	<i>Aqua</i>	To 100
PROPYLENE GLYCOL	<i>Propylene Glycol</i>	2.5
MORIPURE® SERICIN	<i>Glycerin, Aqua, Sericin</i>	1
RESPLANTA® WHEAT MB	<i>Wheat Germ Oil Glycereth-8 Esters</i>	0.5
RESPLANTA® LINSEED MB	<i>Linseed Oil Glycereth-8 Esters</i>	0.5
<b>Phase B</b>		
EMULPHARMA® CHROMA	<i>Lauryl Alcohol, Di-C12-15 Pareth-4 Phosphate, Myristyl Alcohol, Ceteth-2</i>	7
CETEARYL ALCOHOL	<i>Cetearyl Alcohol</i>	5
MINERAL OIL	<i>Paraffinum Liquidum</i>	10
WHITE PETROLATUM	<i>Petrolatum</i>	8
<b>Phase C</b>		
SODIUM HYDROXIDE 30%	<i>Sodium Hydroxide</i>	5
PARFUM	<i>Parfum</i>	0.4

Viscous emulsion ( pH 13.5 )

## 17R18 VOL 02 VOLUMIZING HAIR REMEDY

	INCI Name	%
<b>Phase A</b>		
WATER	<i>Aqua</i>	To 100
TILAMAR® BOOST 150	<i>Polyquaternium-110, Aqua</i>	2.5
CETEARYL ALCOHOL	<i>Cetearyl Alcohol</i>	5.5
BEHENTRIMONIUM CHLORIDE	<i>Behentrimonium Chloride</i>	3
RESPLANTA® MACADAMIA MB	<i>Macadamia Seed Oil Glycereth-8 Esters</i>	2
ARGAN OIL	<i>Argania Spinosa Kernel Oil</i>	0.5
EMULPHARMA® CHROMA	<i>Lauryl Alcohol, Di-C12-15 Pareth-4 Phosphate, Myristyl Alcohol, Ceteth-2</i>	2
<b>Phase B</b>		
PRESERVATIVE	<i>Phenoxyethanol, Ethylhexylglycerin</i>	0.9
PARFUM	<i>Parfum</i>	0.3

Viscous gel-emulsion ( pH 4.5 )

### HAIR CARE SKINIFICATION: Emulpharma® CHROMA CAN DO THIS, TOO

The latest beauty trends are using gels and jelly-like textures to add an element of playfulness and sensory satisfaction to products, giving a new experience to skin care products – filling the gap between oily emulsions and drying gels.

Besides the extravagance, this new texture can boost the benefits of your formula; gel-based textures, for example, can enhance cooling and hydrating claims in a number of categories.

Sorbet texture for hair care is an example of skinification – a skincare texture applied to haircare- creating innovative beauty concepts.

Emulpharma® Chroma, used as a texturizer, allows to formulate gel textures even in presence of traditional cationic conditioning agents.

### 17R18\_SOR 02 LINSEED JELLY MARMALADE CONDITIONER

Translucid light blue gel ( pH 4.2 )

	INCI Name	%
<b>Phase A</b>		
WATER	<i>Aqua</i>	To 100
CETEARYL ALCOHOL	<i>Cetearyl Alcohol</i>	5.5
BEHENTRIMONIUM CHLORIDE	<i>Behentrimonium Chloride</i>	3
RESPLANTA® LINSEED MB	<i>Linseed Oil Glycereth-8 Esters</i>	2
EMULPHARMA® CHROMA	<i>Lauryl Alcohol, Di-C12-15 Pareth-4 Phosphate, Myristyl Alcohol, Ceteth-2</i>	2
BLUE COLOUR sol.	<i>CI42090</i>	To colour
<b>Phase B</b>		
PRESERVATIVE	<i>Phenoxyethanol, Ethylhexylglycerin</i>	0.9
PARFUM	<i>Parfum</i>	0.4

Emulpharma® CHROMA with Resplanta® an infusion for hair food beauty.

# HOW TO USE

## HOW TO USE Emulpharma® CHROMA

Cold-processable, can be used as a single emulsifier (3 - 8 %) or with combination of other emulsifiers as a texturizing rheological agent (2 - 4 %).

**In hot emulsions:** ( traditional method O/W ).

Add Emulpharma® CHROMA in the aqueous phase and heat up to the emulsion temperature. Emulsify the oily phase in the hot water phase and cool down.

**In cold emulsions:** ( Lin O/W method )

Pre-mix Emulpharma® CHROMA into the oily phase; slowly add the oily phase to half of the water, homogenizing (concentrated emulsion); then proceed by adding the remaining water, the active ingredients and the preservatives.

**In gel:**

Add Emulpharma® CHROMA to the aqueous phase and heat up to 35 - 40 °C to a homogeneous and milky mixture. Cool under slow mixing and proceed with the addition of other ingredients.



# RES PHARMA

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