

# NATIRHEO

Active rheological agent



COSMOS  
APPROVED



## FOCUS INFO

### INCI NAME

Ceratonia Siliqua Gum, Sclerotium gum

### SPECIFICATIONS

Origin:	Carob/ Sclerotium
Aspect:	fine powder
Granulometry:	~200Mesh
Color:	from ivory to light beige
Odor:	characteristic
Suggested dosage:	1-5%

### PROPERTIES

- 100% natural origin
- The carob is obtained with an eco-sustainable thermo-mechanic process without additional chemicals, while sclerotium gum by fermentation
- It is able to cover a wide range of viscosities, reaching high levels
- Easy to add to the formulation

Innovative and synergistic blend with 100% natural origin acting as an active jellifying agent, therefore being a completely **green alternative to synthetic polymers**.

The carob content in the ingredient is supported by efficacy tests assessing its hydrating, moisturizing, firming and anti-wrinkles properties, therefore making it an active ingredient of the formula.

It has a high versatility with the majority of the cosmetic ingredients (it's also non sensitive to electrolytes) and it is stable in a wide pH range, making it suitable to be added in the majority of cosmetic forms (emulsions, gels, rinse-off products, sunscreens).

### VISCOSITY RANGE

200 - 30.000 mPa.s  
*(basic gel with growing % of Natirheo)*

## GEL-TO-FOAM CLEANSER LSIN8707

INGREDIENTS	PHASE	%
Aqua	A	to 100
Hydroxyacetophenone		0.75
Sodium Dehydroacetate		0.15
<b>NATIRHEO</b> (Ceratonía Siliqua Gum, Sclerotium gum)		3.00
<b>COCOYL WHEAT AMINO ACIDS</b> (Sodium Cocoyl Wheat Amino Acids)	B	10.00
<b>RED ALGA GEL EC</b> (Ahnfeltiopsis Concinna Extract)	C	5.00
<b>TREALIX®</b> (Trehalose, Hydrolyzed Vegetable Protein)	D	2.00
<b>NATISOL</b> (Cocoyl Proline)	E	4.00
Parfum		0.20
pH adjuster	F	qb

### CHARACTERISTICS

Aspect:	clear gel
Colour:	amber yellow
Odour:	characteristics
pH:	6.0 - 7.0
Brookfield Viscosity SP 4 RPM 20:	3.000 – 5.000 mPa.s

### METHOD

Weight phase A and heat at 80°C then disperse rheological under mixing.  
Cool down to 30°C and add B-C-D mixing until it forms a homogenous system. Prepare and add E, then adjust pH with F.

## PURIFYING CLAY MASK LSIN8591

INGREDIENTS	PHASE	%
Aqua	A	to 100
Panthenol, Glycerin		3.00
Trisodium Ethylenediamine Disuccinate		0.10
Glycerin		2.00
Allantoin		0.10
Hydroxyacetophenone		0.70
Sodium Benzoate		0.30
<b>NATIRHEO</b> (Ceratonía Siliqua Gum, Sclerotium gum)	A'	5.00
Kaolin	B	10.00
Tocopherol Acetate	C	0.10
<b>AZEOLGLICINA®</b> (Potassium Azeloyl Diglycinate)	D	2.00
<b>LENIPHENOL®</b> (Pinus Radiata Bark Extract)	E	1.00
<b>TIOLISINA COMPLEX®30</b> (Lysine Carboxymethyl Cysteinate, Lysine Thiazolidine Carboxylate)	F	2.00
Parfum	G	0.20
Mica (and) Titanium Dioxide (and) Iron Oxides (CI 77491)	H	0.25
<b>LAUROAT EC</b> (Sodium Lauroyl Oat Amino Acids)	I	2.00
pH adjuster	L	qb

### CHARACTERISTICS

Aspect:	consistent emulsion
Colour:	copper
Odour:	characteristics
pH:	5.3 - 5.8
Brookfield Viscosity SP 5 RPM 20:	22000-30000 mPa.s

### METHOD

Weight phase A and heat at 80°C, dispersing A' and, after, B under mixing.  
Cool down and add C, then at 30°C add sequentially D-H, mixing after every adding.  
At the end, add I under slow stirring and adjust pH with L.