

VEGEQUAT

Hair-xtreme care



FOCUS INFO

INCI NAME

Cocodimonium Hydroxypropyl Hydrolyzed Wheat Protein

SPECIFICATIONS

Appearance:	clear liquid
Color:	From yellow to amber
Odor:	characteristic
Dry residue (at 105°):	30 - 34%
pH:	6.5 - 7.5
Suggested dosage:	0,5 - 5%

COSMETIC APPLICATIONS

- Restructuring hair masks
- Conditioners
- Skincare products



VEGETABLE ORIGIN



SAFE PROFILE

DESCRIPTION

Vegetable derived surfactant containing coconut fatty acids and hydrolyzed wheat proteins.

Thanks to the combination of the cationic function and the protein group, it has **remarkable conditioning and antistatic properties.**

Vegequat effectively **protects hair from physical aggression and chemical dryness** such as hairdryer, hair permanents and dyes, while in foaming products has a thickening and stabilizing effect on foam.

In skincare, it **protects the hydrolipidic film** during washing and hydrates skin, thanks to its protein portion.

PROPERTIES

- Conditioning agent
- Hair defender
- Protects hydrolipidic film
- Foaming thickener and stabilizer
- Biodegradable

EFFICACY TEST

HAIR CARE

- + 45%** Damaged hair repair
(+16% compared to benchmark)
- +22%** Hair resistance*
(+61% compared to benchmark)
- +58%** Hair gloss*
(+61% compared to benchmark)
- 45%** of hair strands showed an improved anti-frizzy effect*
(benchmark is **25%**)

Vegequat:



Benchmark:



Figures 1&2: Evaluation of hair gloss and anti-frizzy effect at T0 (before application) and after 1 and 3 applications.

Vegequat has been tested at 2% in comparison with the benchmark (Polyquaternium 10) at 0.6% (same active matter of Vegequat).

*after 3 applications.

SILKY TOUCH HAIR MASK

LSIN 7131*

INGREDIENTS	PHASE	%w/w
Supreme® (Polyglyceryl-3 Rice Branate, Cetearyl Alcohol, Sucrose Stearate)	A	5,00
Cetearyl Alcohol		3,50
Butyrospermum Parkii Butter		1,50
Squalane		1,50
Wax Olea (Hydrogenated Vegetable Oil, Olea europea fruit oil, Tocopherol)		0,20
Lecithin, Tocopherol, Ascorbyl palmitate, Citric acid.		0,05
Tocopheryl acetate		0,15
Aqua/Water	B	80,28
Sorbitol		3,00
Gluconolactone, Sodium Benzoate		1,20
Guar Hydroxypropyltrimonium Chloride	B'	0,50
VEGEQUAT (Cocodimonium Hydroxypropyl Hydrolyzed Wheat Protein)	C	2,50
Fragrance	D	0,50
Sodium Hydroxide	E	0,12

CHARACTERISTICS

Aspect:	fluid emulsion
Colour:	white
Odour:	characteristic
pH:	5.40 - 6.00
Brookfield viscosity	
SP 5 RPM 20:	3500-6000 mPa.s

METHOD

Heat phase A at 70°C; then heat phase B at 70°C and add B' under fast stirring, until it forms a homogeneous system. Cool down to 30°C and add the remaining phases.

*Formulation tested in Sinerga Research Centre according to stability and laboratory manufacturing procedures.