

SMOOTH SERUM

with Satiagel™ VPC 614,
Satiagel™ VPC 508 and
Satiagum™ VPC 430



The unique texture of this serum is obtained through a specific ratio of the 3 carrageenans: **Satiagum™ VPC 430** (lambda carrageenan), **Satiagel™ VPC 508 P** (iota carrageenan) and **Satiagel™ VPC 614** (kappa carrageenan). Its structure is easily breakable to offer a fresh and watery application.

The cohesive structure of the gel allows easy pumping. With 99% nature-derived ingredients, it perfectly meets consumer demand for more natural and sustainable cosmetic formulations.

Phase	Trade Name	INCI	Supplier	%WT
A		Demineralized water	Cargill	q.s.
		Rosa damascena flower water		60.00
B	Satiagel™ VPC 614	Carrageenan / Chondrus crispus extract	Cargill	0.10
	Satiagel™ VPC 508	Carrageenan / Chondrus crispus extract	Cargill	0.20
	Satiagum™ VPC 430	Carrageenan / Chondrus crispus extract	Cargill	0.70
C	Refined glycerin	Glycerin	Cargill	2.50
D	Euxyl® K712	Aqua, Sodium Benzoate, Potassium Sorbate	Schülke & Mayr	1.00
E	Citric Acid (50%)	Citric Acid		0.05

CHARACTERISTICS

- **pH:** 5.5-6
- **Viscosity:** (Brookfield RV DV-II + Pro 20 rpm, 2 min): 3500 – 7000 mPa.s
- **Appearance:** Clear gel
- **Stability:** passed 2 months stability at RT & T45°C

PROCESS

1. Prepare phase A and warm it to around 75°C
2. Add phase B to phase A and mix (Ultra Turrax IKA T-25; 5000rpm; 5min)
3. Add phase C in phase A and homogenize (Ultra Turrax IKA T-25; 5000rpm; 3min)
4. Add phase D to the mix and homogenize until the emulsion is homogenous (Ultra Turrax IKA T-25; 5000rpm)
5. Adjust the pH to around 5-5,5



PATENTS AND REGULATIONS The information presented herein is intended to illustrate the possible technical applications of our products. However, since the use of this information and our products is beyond our control, any recommendations or suggestions are made without guarantee of warranty in each country and particularly in the absence of patent rights. In addition, we recommend that the user ensures that this product is in compliance with the local regulations in force, particularly in the country where the finished product is to be consumed. It is the responsibility of the user to comply with the patents and the regulations in force. 06/2021

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