



a Cargill company

Smooth Cream Gel

with Satiagel™ VPC 614, Satiagel™ VPC 508 P & Satiagum™ VPC 430



This smooth cream gel shows the creamy and jelly texture which are accessible in using ternary blend of carrageenans: **Satiagum™ VPC 430** (lambda carrageenan), **Satiagel™ VPC 508 P** (iota carrageenan) and **Satiagel™ VPC 614** (kappa carrageenan). When applied on the skin, it gives a fresh and light feeling. StarDesign™ Care is adding more body to the cream with a particular powdery finish. With 99% nature-derived ingredients (according to ISO 16128), it perfectly meets consumer demand for more natural and sustainable cosmetic formulations.



CHARACTERISTICS

- **pH (1% in water):** 5.5 - 6
- **Viscosity (Brookfield RV DV-II + Pro - 20 rpm – 2 min):** 18000 – 20000 mPa.s
- **Appearance:** smooth and gelly texture
- **Stability :** passed 2 months stability at RT & T45°C

Phase	Trade Name	INCI	Supplier	%WT
A	Demineralized Water	Aqua		Q.S.
B	Satiagel™ VPC 508 P	Carrageenan/ Chondrus crispus (carrageenan) extract	Cargill	0.3
	Satiagum™ VPC 430	Carrageenan/ Chondrus crispus (carrageenan) extract	Cargill	1.05
	Satiagel™ VPC 614	Carrageenan/ Chondrus crispus (carrageenan) extract	Cargill	0.15
C		Caprylic Capric Triglyceride		20.0
	StarDesign™ Care	Hydroxypropyl Starch Phosphate	Cargill	2.00
D		Coco-glucoside		0.20
E		Aqua, Sodium Benzoate, Potassium Sorbate		1.00

Process:

1. Prepare phase A and warm it around 70°C. Add phase B in phase A and mix for 10 min (Ultra Turrax IKA T-25, 5000rpm).
2. Let the mixture cool down slowly to around 40°C (be careful, Satiagel™ VPC 614 (kappa carrageenan) can become quite solid)
3. then add phase D in phase A+B. Add Phase C in phase A+B+D in three 1/3 portions under stirring (Silverson L5M-A 4000rpm, 5min in total).
4. Add phase E to the mix and mix quickly until the emulsion is homogenous. 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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