



Satiagel™ VPC 614

A responsibly sourced strong gelling agent, providing an ocean of texture opportunities



**DERIVED NATURAL
ACCORDING TO
ISO 16128**



**COSMOS
APPROVED**



**READILY
BIODEGRADABLE
ACCORDING TO
OECD 301 B**



HALAL



KOSHER



**VEGAN SUITABLE
ACCORDING TO
VEGAN.ORG**



MADE IN FRANCE

Origin:

- INCI: Carrageenan / Chondrus crispus extract (China¹)
- Carrageenans are extracted from red seaweed and are made of natural polysaccharides with sulfated galactose units that can be classified into 3 main families: Lambda, Iota and Kappa depending on the amount of sulfated units and on the presence of an anhydrogalactose bridge.
- Satiagel™ VPC 614 is based on Kappa carrageenan

Traceability & sustainability:

To help ensure a long-term sustainable red seaweed supply chain, Cargill has launched the Red Seaweed Promise™ in 2019. The program is specifically designed to address key sustainability challenges for the harvesting and cultivation of red seaweed, while enhancing producer livelihoods, supporting local communities and conserving the marine environment.

Uniqueness:

- Gelling agent providing high viscosity and solid texture in presence of electrolytes
- Immediate tensing and smoothing effect
- Film-forming, smoothing, tensing, firmness, pore reduction (*in vivo* studies made with an optimal λ / κ carrageenan blend)
- Transparent
- Fresh sensory

Technical data:

- Carrageenan kappa based
- Dose of use: 0.1 – 2.5%
- Powder form
- Anionic
- Warm processable (>70°C)
- Compatibility: electrolytes, surfactants
- Thermoreversible

NaCl %	0	0.5
	+	+

pH	> 5	9
	+	+

Applications



Satiagel™
VPC 614

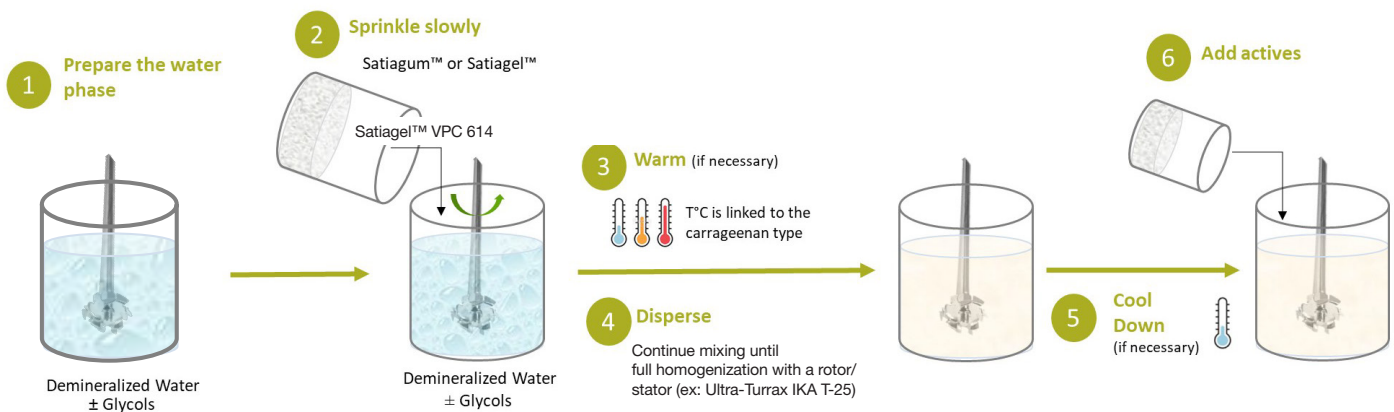
When to use Satiagel™ VPC 614?

- When looking for a strong gelling agent
- When looking for an innovative product & texture
- When looking for a fresh sensory feeling
- When transparency is needed

Textures:

- Brittle & solid gel
- Mask
- Solid cream
- Gel-cream
- Gel
- Lotion
- Serum

Formulation tips



Salt addition recommendations:

- Add them at the end of the formulation process
- Avoid high shear after adding electrolytes
- Always use a non-powder salt solution to avoid lumps and fish-eyes
- The addition of NaCl inside the water phase at the beginning of the process will “inhibit” the hydrocolloid expansion
- The hydrogel texture that is less smooth and more “gelatinous” when salt concentration increases
- With the addition of divalent cations, the impact on the viscosity is more important
- Use in combination with other carrageenans type (Satiagel™ VPC 508 & Satiagum™ VPC 430) to achieve a wide variety of textures and overcome the limitation you can encounter when using the Satiagel™ VPC 614 alone.

Product details

- CAS N° 9000-07-1
- Packaging: 25 kg (net) PE bags hermetically sealed
- Shelf life after production date (months): 24

Contact us at: beauty@cargill.com

¹ According to IECIC 2021

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