A responsibly sourced gelling agent, bringing the best of the ocean to you

**Origin:**
- INCI: Carrageenan / Chondrus crispus extract (China)
- 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 508 P is made of Iota 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 medium to high viscosity and elastic gel texture in presence of electrolytes
- High transparency
- Fresh sensory
- Film forming
- Thermoreversible
- Shear-thinning and Thixotropic behaviour

**Technical data:**
- Carrageenan Iota based
- Dose of use: 0.4-2%
- Powder form
- Anionic
- Cold & Warm processable (50°C recommended)
- Cold dispersible
- Compatibility: electrolytes, surfactants

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<table>
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<th>pH</th>
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Applications

When to use Satiagel™ VPC 508?
- When looking for a gelling, elastic agent
- When transparency is needed
- When looking for a fresh sensory feeling
- When needing to improve the film forming effect

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

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

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