The fresh sensory thickener for fluid formulations, responsibly sourced from the ocean

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.
- Satiagum™ VPC 430 is made of Lambda 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:
- Thickener for fluid formulas
- Film-forming, smoothing, tensing, firmness, pore reduction (in vivo studies made with an optimal λ I K carrageenan blend)
- Viscosity not impacted by salt addition
- Lowers friction, improves glide
- Fresh sensory

Technical data:
- Carrageenan Lambda based
- Dose of use 0.2-2%
- Powder form
- Anionic
- Cold dispersible & processable
- Compatibility: electrolytes, surfactants
- Thixotropic behaviour

Compatibility:

<table>
<thead>
<tr>
<th>NaCl %</th>
<th>0</th>
<th>2</th>
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pH 5 6 7 8 9
|      | + | + | + | + | + |
Applications

When to use Satiagum™ VPC 430?

• In low to medium viscosity formulations
• In products that require a fresh sensory feeling
• In formulas that contain a high concentration of electrolytes or alcohol

Formulation tips

1 Prepare the water phase
   Optional: premix of the Satiagum™ VPC 430 glycols is not mandatory but it can help to speed up the process and to avoid lumps or fish eyes

2 Sprinkle slowly the Satiagum™ VPC 430
   Avoid adding electrolytes in the water phase before the dispersion of Satiagum™ VPC 430

3 Disperse
   Follow mixing until full homogenization (without lumps)

4 Add actives
   Add electrolytes after the full dispersion of Satiagum™ VPC 430. Avoid to homogenize with high shear after adding electrolytes

Product details

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

Textures:
• Toner
• Micellar water
• Texturized water
• Serum
• Gel
• Lotion
Sensorial fingerprint: silky, gliding, light & fresh

1 According to IECIC 2021

Contact us at: beauty@cargill.com

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