

OCEANANTHIX™ LV



Regenerative
Alginate for
Clean-Label
Food Innovation

OCEANTHIX™ LV is a low-viscosity, multifunctional marine biopolymer extracted from invasive Sargassum natans/fluitans into a clean-label ingredient. Designed to elevate texture, mouthfeel, dispersibility, and stability across a wide range of food applications, OCEANTHIX™ LV is a future-proof alternative to climate-sensitive farmed hydrocolloids.



INCI: FUCOIDAN | APPEARANCE: OFF-WHITE POWDER |
ODOUR: NEUTRAL, NO OCEANIC NOTES

APPLICATION AREAS

- Dairy and plant-based beverages and drinks
- Sauces, dressings, dairy & plant-based yogurts
- Desserts, ice creams & sorbets
- Vegan gummies & jellies
- Reformed foods & meat analogues
- Bakery hydration & freeze-thaw stability

Key Functional Benefits of OCEANTHIX™ LV

SUSPENSION & MOUTHFEEL IMPROVEMENT: OCEANTHIX™ LV works synergistically with xanthan and guar to deliver smoother, less slimy textures with improved drinkability and better suspension stability in beverages and plant-based drinks. The synergy reduces dependency on climate-sensitive farmed gums while enhancing processing flow and shear performance.

GELATION & GUMMIES: Excellent compatibility with pectin enables smooth, stable, cold-processable textures for fruit systems, gummies, jams, and jellies, while lowering energy use in manufacturing.

Its naturally higher Guluronic acid (G-block) content forms strong gels with calcium or magnesium, making OCEANTHIX™ LV ideal for: Yogurt & dairy systems · Plant-based alternatives · Soft gels & confectionery · Fruit spreads & jellies · Functional gummies. Also suitable to reduce or replace carrageenan.

FILM FORMATION & COATING: As a low-viscosity biopolymer, OCEANTHIX™ LV forms thin, uniform films for glazing, coating, encapsulation, and surface protection – delivering both functional performance and clean-label appeal.

PROCESS ADVANTAGES: Cold-soluble & rapidly dispersible · Easy processing due to naturally low viscosity · Works in both hot- and cold-process systems · Stable across pH and electrolyte ranges · Cost-effective formulation

ORIGIN^{BY}OCEAN is a Finnish based innovative biotech company dedicated to transform invasive ocean overgrowth into high-performance, bio-based ingredients for food, nutraceutical, personal care, and beyond. By leveraging regenerative innovation, the company delivers scalable, sustainable alternatives to fossil-derived chemicals—proving that ocean restoration can be a commercially viable and competitive advantage.

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