

Jelly-Break

Serum Textures



OCEANTHIX™
OCEANBOOST™

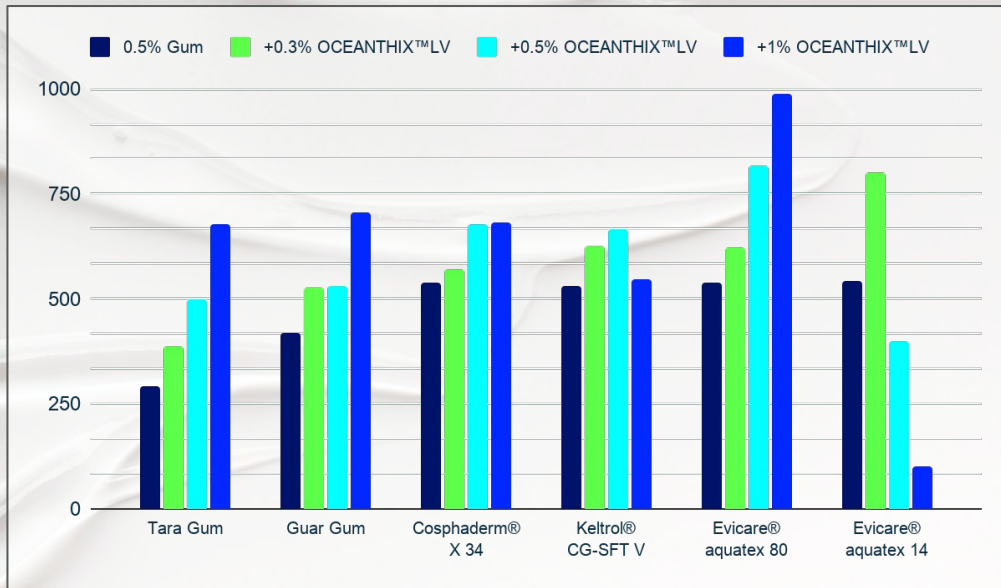
VISCOSITY ENHANCING BIOPOLYMER

OCEANTHIX™ LV boosts viscosity starting at 0.3%

While OCEANTHIX™ LV is not a stand-alone thickener, it shows great compatibility with other biopolymers

It acts as a viscosity booster and rheology modifier, helping to create market-standard textures that feel and perform like synthetic polymers, while being 100% bio-based.

OCEANTHIX™ LV shows a strong synergy with Guar, Tara and Xanthan Gums by boosting their native viscosity, reducing their innate stringy and gummy texture, while improving their absorption and dry down on skin.



OCEANTHIX™ LV-gum viscosity can be non-linear; please verify compatibility with your current grade, or contact us for optimal recommendations based on your application.

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OCEANTHIX™ LV is not a standalone thickener; it acts as a powerful co-thickener and rheology modifier. It exhibits exceptional synergy when paired with other gums, allowing formulators to achieve market-standard textures that match the performance and sensory feel of synthetic polymers while remaining 100% bio-based.

To maximize efficiency, every formulation in this series is cold-processable, requiring zero heat for dispersion.

This series of modular frame-formulations was created to highlight the unique synergistic effects between OCEANTHIX™ LV and various xanthan gums. While countless ingredients share the INCI *Xanthan Gum*, each supplier's proprietary process results in distinct textural profiles and an optimal ratio with OCEANTHIX™ LV.

Each formulation showcases the optimized OCEANTHIX™ LV : **Xanthan Gum** ratio. Formulators can scale the total gum concentration up or down to dial in the desired viscosity, without risking stability.

A series of **frame-formulations** to create **bio-based serums** that **absorb well**, are **non-tacky** and **do not pill**.

Stability	Packaging & Compatibility	Description
5°C/RT°/45°C: 12 weeks Freeze-Thaw: 3 cycles pH range: 5 - 5.5	38456 80% PCR Glass Bottle 43622 Mono-Material PP Dropper Eurovetrocap	Clear - translucent fluid gel 800 - 1500 cPs <i>Rotational Viscometer</i> Spindle 3 20 RPM

Jelly-Break

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- Load phase **A** into the main vessel. Mix until homogeneous.
- In a side vessel add **B**; heat to 30 – 40°C until homogeneous.
- Add **C** into **B** and premix into a slurry. Slowly add **BC** into **A**, then mix for 10 – 20 minutes at 800 – 1000 RPM (500 g IKA Eurostar 20 with propeller mixer) until a homogeneous, clear, fluid-gel has formed.
Note: Formula CMD-7 with Actium CS 11 QD should undergo an additional high shear mixing on an Ultra Turrax mixer for 2 – 3 minutes @ 8000 RPM to ensure full hydration of the polymer.
- Add **D**, mix until homogeneous.
Check pH; use Citric Acid/Sodium Hydroxide solution to adjust pH to 5 – 5.5.

			Jelly-Break C100124 CMD-2	Jelly-Break HV C100124 CMD-4	Jelly-Break X C100124 CMD-5	Jelly-Break CG C100124 CMD-6	Jelly-Break - C100124 CMD-7
A	DI Water		QS	QS	QS	QS	QS
A	Evicare® complex 12	Evident Ingredients	0.10 %	0.10 %	0.10 %	0.10 %	0.10 %
A	Glycerin		1.25 %	1.25 %	1.25 %	1.25 %	1.25 %
B	Evicide® propanediol	Evident Ingredients	3.00 %	3.00 %	3.00 %	3.00 %	3.00 %
B	Cosphaderm® Octiol Natural	Cosphatec	0.30 %	0.30 %	0.30 %	0.30 %	0.30 %
C	OCEANBOOST™ LF	 Origin by Ocean	0.30 %	0.30 %	0.30 %	0.30 %	0.30 %
C	OCEANTHIX™ LV	 Origin by Ocean	0.30 %	1.00 %	0.50 %	0.50 %	0.28 %
C	Evicare® aquatex 14	Evident Ingredients	0.50 %				0.47 %
C	Evicare® aquatex 80	Evident Ingredients		0.50 %			
C	Cosphaderm® X34	Cosphatec			0.50 %		
C	Keltrol® CG-SFT V	Cargill				0.50 %	
C	Actigum™ CS 11 QD	Cargill					0.25 %
D	Evicide® levanise 1388 eco	Evident Ingredients	3.50 %	3.50 %	3.50 %	3.50 %	3.50 %

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Serum Texture Mapping

	Fresh & Cooling	Spreadable & Glide	High-Cushion & Richness	Skin Adhesion & Grip	Viscosity	Water-Break (Shear Thinning)	Flow (Yield Stress)
Jelly-Break	++	++++	+	+	++	++++	Medium Flow
Jelly Break X	+++	+++	+++	+++	++	++	Low Flow
Jelly Break CG	+++	++++	++	++	+	+++	High Flow
Jelly Break HV	++++	++	++++	++++	+++	+	High Flow
Jelly Break +	++	+++	+++	+++	++++	++	Medium Flow
Jelly-Break	Modern, K-Beauty Inspired “Transforming Texture”. Applies as a fluid jelly and transforms to a toner or essence-like texture.						
Jelly Break X	Medium body, low-drip texture that balances body with a fresh, light, quick-dry texture. A true classic serum texture.						
Jelly Break CG	Softest, most fluid and watery texture. Feels very natural and classic, but without the sticky, stringy or tacky texture.						
Jelly Break HV	Luxe, rich gel-texture, ideal fo formulas with high amounts of humectants, overnight treatments or where more cushion is desired.						
Jelly Break +	Medium body texture, light-weight finish, ideal for botanical-rich formulations that need maximum suspending properties .						