



EVOLUXE LABS

THE ART OF PREMIUM INGREDIENTS

TECHNICAL DATA SHEET

Designed to replicate natural keratin's structural integrity

EVOLUXE BOTANIKERA

Evoluxe BotaniKera harnesses the power of **plant-derived keratin** to rebuild, repair, and revitalize hair fibers from within. Infused with nature's restorative proteins, it strengthens weakened strands, enhances elasticity, and seals split ends—delivering smoother, shinier, and healthier-looking hair with every use.

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Manufacturing Facility: Evoluxe Labs Chemical Industry & Trade Co.

AOSB 2nd Zone, 6th Avenue, No: 6 07190 Döğemealtı, Antalya Turkey



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PRODUCT OVERVIEW

Evoluxe BotaniKera™ harnesses **plant-derived keratin** to rebuild damaged hair at the molecular level, restoring strength, elasticity, and shine. This innovative bioactive complex penetrates deep into the hair cortex, repairing broken bonds, sealing split ends, and creating a protective shield against heat, pollution, and chemical stressors—for smoother, stronger, and revitalized hair.

Product Description

Evoluxe BotaniKera™ is a cutting-edge, **plant-derived keratin complex** formulated with hydrolyzed corn, wheat, and soy proteins. Designed for high-performance skincare and haircare applications, this water-soluble active delivers **deep hydration, structural repair, and antioxidant protection** while aligning with clean, vegan, and sustainable beauty standards.

Production Technology for Evoluxe BotaniKera

Evoluxe BotaniKera is crafted through a **gentle enzymatic hydrolysis process** that transforms select plant proteins into **low molecular weight bioactive keratin analogs**, preserving their natural reparative and protective properties.



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Our **eco-conscious, solvent-free** method employs **food-grade enzymes** under meticulously controlled conditions to ensure optimal peptide bioactivity, **enhanced hair and skin affinity**, and superior performance in cosmetic formulations. This **allergen-free** process yields a **highly bioavailable hydrolysate** rich in nourishing oligopeptides and amino acids, which actively reinforce **hair fiber integrity, moisture retention, and barrier defense**.

The hydrolysis is precisely calibrated to achieve an ideal **molecular weight range (1,500–2,500 Da)**, optimizing deep penetration into hair cuticles and skin while maintaining **non-irritating, pH-balanced compatibility**—even for sensitive scalps. Free from harsh chemicals, animal derivatives, and synthetic preservatives, Evoluxe BotaniKera™ meets **clean beauty and vegan standards**, making it ideal for **high-performance, sustainable skincare and haircare** formulations.



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- **Sustainable & Vegan** – Produced through an eco-conscious enzymatic process, free from animal-derived ingredients, aligning with global clean beauty and cruelty-free standards.
- **Low Molecular Weight Technology (1,500–2,500 Da)** – Ensures optimal penetration into hair fibers and skin, enhancing bioavailability for superior hydration, elasticity, and long-lasting protection.
- **Multi-Functional Performance** – Clinically proven to reinforce hair structure, reduce breakage, and shield against environmental aggressors (pollution, UV, heat styling) while improving shine and manageability.
- **Antioxidant-Rich Formula** – Neutralizes free radicals (52% ROS reduction at 0.01%) to combat oxidative stress, supporting cellular repair and anti-aging benefits in skincare.
- **Gentle & Hypoallergenic** – pH-balanced and free from harsh chemicals, sulfates, and common irritants, making it suitable for sensitive skin and scalp applications.
- **High Substantivity** – Forms a protective film on hair and skin, enhancing moisture retention and resilience against daily stressors.



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Benefits of Evoluxe BotaniKera™

- ☐ Repairs & Strengthens Hair Fibers
- ☐ Boosts Shine & Smoothness
- ☐ Delivers Bioactive Plant Proteins
- ☐ Locks in Long-Lasting Hydration
- ☐ Protects Against Environmental Stressors
- ☐ Enhances Hair Elasticity & Resilience
- ☐ Supports Scalp Health
- ☐ Promotes Easier Styling & Manageability
- ☐ Safe for Sensitive Scalps
- ☐ Vegan & Sustainably Sourced

"Evoluxe BotaniKera—where nature's repair power meets advanced hair science."

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Applications

Application Category	Product Type	Recommended Usage Level
Skin Care	Anti-aging creams & serums	1.0–5.0%
	Moisturizing lotions & emulsions	1.0–3.0%
	Barrier-repair formulations	1.0–4.0%
	Revitalizing masks	2.0–5.0%
	Sensitive skin products	0.5–2.0%
Hair Care	Strengthening shampoos	0.5–2.0%
	Leave-in treatments	1.0–3.0%
	Hair repair masks	2.0–5.0%
	Heat protection serums	1.0–3.0%
	Color-treated hair care	1.0–3.0%



Product Specification

Parameter	Specification
Appearance	Amber liquid
Color	Amber
Protein Percentage	
- Hydrolyzed Corn Protein	39.0%
- Hydrolyzed Wheat Protein	32.0%
- Hydrolyzed Soy Protein	27.0%
Total Protein Content	≥20.0% (w/w)
pH (direct)	6.0 - 8.0
Heavy Metals	<20 ppm
Lead	<10 ppm
Arsenic	<2 ppm
Cadmium	<1 ppm
Microbiological Limits	
- Total Yeast & Mold	<100 CFU/g
- Gram-Negative Bacteria	0 CFU/g



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Keratin Type	Molecular Weight	Key Advantage
Native Animal Keratin	40,000–60,000 Da	Structural integrity
Hydrolyzed Plant Keratin	1,500–2,500 Da	Bioavailability & repair

Note: Evoluxe BotaniKera™ uses hydrolyzed plant proteins at this ideal MW to mimic keratin's function while being vegan and sustainable.

Storage Conditions

Parameter	Specification
Storage Temperature	15-25°C (59-77°F)
Shelf Life	24 months in unopened container
Protection	Keep tightly sealed
Light Sensitivity	Store in opaque container
Sedimentation	Mix well before use if settling occurs

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