Avena Lab
Farmadria d.o.o. Since 1991.

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TECHNICAL DATA SHEET

Product Name: Cubilose Extract, Combined Lysates

INCI Name: Water, Cubilose Extract, Lactobacillus Ferment Lysate, Bifida Ferment Lysate, Hydroxyacetophenone, 1,2-Hexanediol

CAS: 7732-18-5, n/a, n/a, 96507-89-0, 6920-22-5, 99-93-4

Chemical Classification: Mixture

Functional Category: Skin conditioner, antioxidant, humectant, preservative (secondary function – via Hydroxyacetophenone and 1,2-Hexanediol system).

Product Description: Combined Lysate is an advanced cosmetic active complex developed from traditional bioactive components (Cubilose Extract) and modern biotechnological ingredients (Lactobacillus Ferment Lysate, Bifida Ferment Lysate), combined into a unified functional system. The key active base, Cubilose Extract (Edible Bird's Nest extract), is rich in glycoproteins, sialic acid, and essential amino acids, making it a valuable ingredient for deep hydration, epidermal regeneration, and anti-aging effects. With centuries of use in Asian cultures, it is associated with skin revitalization and protection, now recognized as a premium component in luxury skincare formulations. The complex also contains Lactobacillus Ferment Lysate and Bifida Ferment Lysate, which support microbiome balance, strengthen the epidermal barrier, and reduce skin sensitivity. Due to their rich content of peptides, proteins, and nucleic acids, these lysates promote regeneration, stimulate collagen synthesis, and enhance skin resistance to UV radiation and environmental stressors. The formulation's stability is ensured by Hydroxyacetophenone, which acts both as an antioxidant and a mild preservative, helping reduce oxidative stress and inflammation. Meanwhile, 1,2-Hexanediol serves a dual purpose as a humectant maintaining optimal skin hydration and as an antimicrobial agent ensuring microbiological stability. The synergy of these ingredients enables Combined Lysate to act on multiple levels: deeply hydrating, restoring, and strengthening the skin, protecting it from oxidative damage, and stimulating natural regeneration mechanisms. Due to these properties, it is particularly suitable for anti-aging serums, restorative creams, and products for sensitive skin areas, including the eye contour.
Note: Sedimentation may occur after prolonged standing; this is a normal phenomenon. Shake well before use.

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Bioactive Compounds: Cubilose Extract, also known as Edible Bird's Nest (EBN) extract, is obtained from the saliva secretions of Aerodramus fuciphagus birds native to Southeast Asia primarily Indonesia, Malaysia, Thailand, and Vietnam. Its documented use in Chinese diet and traditional medicine dates back over 1,500 years, making it one of the oldest natural ingredients still in use today. The extract is prized for its rich profile of bioactive compounds, primarily glycoproteins, complex protein-carbohydrate structures that provide hydration, elasticity, and skin repair. Another key component is sialic acid (N-acetylneuraminic acid), which supports cellular communication, moisture retention, and potential anti-aging activity. It also contains a broad spectrum of amino acids including aspartic, glutamic, threonine, serine, and alanine that participate in collagen synthesis, tissue regeneration, and barrier reinforcement. Trace minerals such as calcium, iron, magnesium, potassium, and sodium contribute to cellular metabolism and vitality. Smaller amounts of polypeptides and growth factors further stimulate epithelial cell proliferation and repair. The presence of Lactobacillus Ferment Lysate and Bifida Ferment Lysate enhances regeneration, collagen synthesis, and skin resistance to UV radiation and external stress.

Benefits:

- Deeply hydrates and strengthens the epidermal barrier.
- Improves skin elasticity and firmness.
- Supports collagen synthesis and tissue regeneration.
- Promotes cellular balance and vitality.
- Acts as a mild antioxidant and protects against oxidative stress.
- Soothes irritation and reduces inflammation.

Usage: In cosmetic formulations, Combined Lysate is typically used at concentrations of 1–5%. Lower concentrations are suitable for toners, essences, and lightweight serums, focusing on hydration and soothing effects. Higher concentrations are used in anti-aging serums, regenerative creams, and masks for enhanced elasticity and skin renewal. For sensitive skin areas (such as the eye contour), milder concentrations are recommended to ensure effective action without irritation. The lysate blends easily into the water phase and is compatible with most standard cosmetic ingredients, making it suitable for a broad range of products from light gels and serums to rich creams and masks.

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Animal Testing: In accordance with EU Regulation (EC) No. 1223/2009 on cosmetic products, this substance has not been tested on animals. Safety evaluation is based on available toxicological data, scientific literature, and validated alternative methods (in vitro and in silico). In silico refers to computer-based testing and modeling rather than live organism (in vivo) or cell culture (in vitro) experiments. This confirms compliance with the animal testing ban and serves informational purposes for further cosmetic use.

GMO: Non-GMO

Vegan: Combined Lysate is not vegan, as it contains Cubilose Extract, a naturally derived ingredient of animal origin obtained from the saliva secretions of Aerodramus fuciphagus birds. Similar to beeswax, although natural, this extract is not considered suitable for vegan cosmetics; therefore, final formulations containing it cannot be labeled as “vegan.”

Storage Conditions: Store in a cool, dry place, away from direct sunlight and heat.