

NUTRAFOL®

Growth Activator Ashwagandha Exosome hair serum

A groundbreaking and **patent-pending advancement in scalp care**, Growth Activator hair serum is the first of its kind: a supremely lightweight hair serum with Nutrafol's new Ashwagandha Exosomes. This revolutionary ingredient **promotes cellular renewal on the scalp** to activate thicker-looking, stronger-feeling hair. When paired with award-winning Nutrafol Hair Growth Nutraceuticals, you can now **support healthier hair naturally** from the inside and out.



Benefits

Scalp health

Ashwagandha Exosomes boost cell renewal to promote cellular growth on the scalp while Sea Buckthorn and Moringa nourish and hydrate to support healthier-looking hair.¹⁻⁴

Thickness

A Phytoactive Growth Complex featuring Green Tea provides antioxidants and minerals to promote visible thickness.⁵

Strength

Pea Sprout helps minimize visible breakage and promote stronger-feeling hair.⁶

In a clinical study¹

100% felt the serum was lightweight.

87% saw healthier hair after 30 days.

85% saw improvement in hair quality after 30 days.

Indications

For adults with visible signs of thinning hair like hairline changes, a widening part, thinning on the temples and top, or overall thinning hair. Growth Activator is advanced scalp care to support healthier-looking hair topically.

Directions for Use

Once daily, apply Growth Activator to the scalp, sectioning hair with the dropper tip as you go. Use enough to lightly cover areas of thinning like temples, crown, part, and hairline. Massage into the scalp with fingertips. Let it absorb and style your hair as usual.

Do not ingest. For best results, pair with Nutrafol nutraceuticals daily to address thinning hair from the inside out.

Product Features

- Light, water-based drops. Easy application with no greasy residue.
- Physician formulated. Vegan. Recyclable packaging.
- **Free of** hormones, drugs, parabens, phthalates, silicones, sulfates, gluten, dairy, soy, synthetic fragrance.

The Science

While human exosomes are being studied for their regenerative properties and show promise for stimulating new hair growth, their therapeutic use is limited by sourcing, purity, safety, and regulatory concerns.

The Nutrafol innovation team has overcome these limitations with **exosomes from a botanical source**. Nutrafol engineered a method for isolating Plant-Derived Exosome-like Vesicles (PDEVs) from the seeds of the same Ashwagandha plant used in Nutrafol Hair Growth Nutraceuticals to produce **Ashwagandha Seed Exosomes**.



Of all of its parts, the seeds of the Ashwagandha plant (*Withania somnifera*) are the most potent source of plant exosomes, which signal the plant to grow. These novel Ashwagandha Seed Exosomes deliver **activated, bio-compatible plant material** topically to **help promote cell renewal on the scalp**. Nutrafol is the only hair serum with this patent-pending and proprietary technology.

Growth Activator pairs Ashwagandha Exosome technology with clinically effective botanical extracts that include Green Tea and Pea Sprouts, plus Sea Buckthorn and Moringa to **nourish the scalp, minimize visible breakage, and activate thicker-looking, stronger-feeling hair**.

Safety

In safety studies¹ the daily application of this hair serum formulated with Ashwagandha Exosomes was very well tolerated and showed no irritation, sensitization, or signs of intolerance.

Key Ingredients



Ashwagandha Exosomes

Plant exosome-like nanovesicles from the Ashwagandha seed that can boost cellular renewal and offer cellular stress protection at the scalp. The Ashwagandha used in our serum is 150x smaller than Ashwagandha used in other products for maximum absorbency.¹



Phytoactive Growth Complex with Green Tea

A patented blend of powerful antioxidants and minerals shown to support growth of thicker-looking hair.⁵

Green Tea

A powerful antioxidant that combats free radicals.

Glycine

Essential to build the hair shaft by supporting keratin production, the protein that gives hair its strength.

Zinc Chloride

To reinforce the hair shaft structure and also essential for keratin formation.

Larix Europeas (Larch Tree)

Rich in polyphenols which provide nutrients to hair.



Pea Sprouts

Rich in protein and phytonutrients and shown to visibly increase hair density. Each pod contains several peas that are rich in proteins, starch, and fibers. Phytonutrients are extracted from pea sprouts and act as antioxidants to combat free radicals and provide nutrition to the hair.⁶



Sea Buckthorn

Sea Buckthorn is a potent plant extract rich in antioxidants and omega fatty acids known to nourish and hydrate the skin to promote scalp health.^{2,3}



Moringa

Moringa is an antioxidant-rich botanical high in polyphenols known to counter environmental stress and provide hydration for a healthy scalp.⁴

Additional Ingredients

Melatonin - Powerful antioxidant

Ginseng - Botanical energizer

Kelp - Natural source of minerals

Niacinamide - B vitamin

Horsetail - Hair-strengthening botanical

Turmeric - Antioxidant

Maca - Adaptogenic botanical

Ingredients

Water, Glycerin, Green Tea Leaf Extract, Glycine, Larix Europaea Wood Extract, Sodium Metabisulfite, Zinc Chloride, Pea Sprout Extract, Alcohol, Olive Leaf Extract, Turmeric Root Extract, Horsetail Extract, Sea Buckthorn Fruit, Neptune Kelp Extract, Maca Root Extract, Tea Tree Leaf Oil, Moringa Leaf Extract, Ginseng Root Extract, Panthenol, Theanine, Melatonin, Niacinamide, Sodium Dehydroacetate, Sodium Hyaluronate, Phytic Acid

Precautions

For adults only. For topical use only. Do not ingest. Avoid eye contact. Contact your doctor if irritation occurs. Keep out of reach of children.

References

1. Nutrafol. Data on file. 2021.
2. Zielinska, A. Lipids Health Dis. 2017.
3. Yang, B. JAC. 2008.
4. Ali, A. Postep Derm, 2014.
5. Induchem 2014.
6. Mibelle 2014.