

# **Novo Nano Hair Growth®**

A new generation of Nano-actives for hair growth and beauty.

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# **NOVO NANO HAIR GROWTH®**

INCI Name: AQUA, CAFFEINE, ACETYL TETRAPEPTIDE-3, BIOTIN, PHENOXYETHANOL, CHLORPHENESIN

## Introduction:

Topical therapy is one of the effective treatments for hair loss problems. But, most of the time, the large size of molecules makes it difficult to reach out the targeted results.

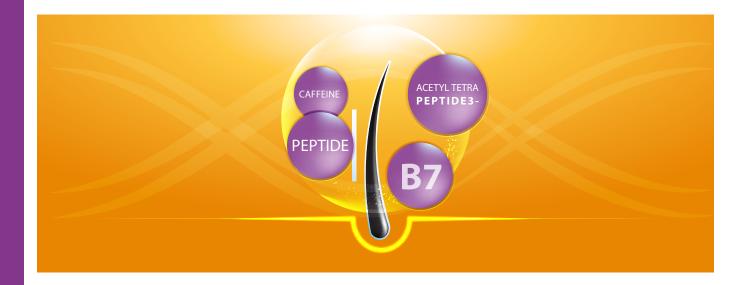
As systemic absorption is not intended in cosmetics, Novo Nano Hair Growth designed as an innovative nano-actives with special optimized size (100<nano-sized<500 nm) to target hair follicles to penetrate.

Novo Nano Hair Growth is an innovative active that efficiently can penetrate to the follicular canal. It reduces the loss of hair and provokes regrowth of hair and eyelashes, penetrating deep and fast.

Technical Data Sheet ( TDS )	
Appearance	Milky to Yellowish Liquid
Density 20 °C	0.995-1.25g/ml
Dry residue	13-15.5%
Refractive index	1.355-1.400

## **Active & Mechanism:**

In order to increase the efficacy of hair growth actives, we should increase penetration. Although most studies have focused on the lesser size of the particles, Novo Nano hair growth has been developed with an optimized nano-size to specially target the hair follicles without systemic absorption.





Typical formulation for serum	
Novo Nano hair growth	3-10%
Aqua	qs
Xanthan	0.3-0.5
Glycerin	3-5
Preservative	qs
Novosorb WS	0.3-0.5
Fragrance	qs

## How to use:

• Cold or hot process • At any steps

**Dosage:** 3-10%

# **Efficacy tests:**

## Group1:

• 16 volunteers (men & women) • Age: 30-55

Tonic with non linesomal complex. • Usage: once at night fo

• Tonic with non-liposomal complex

• Usage: once at night for 90 days.

#### Group2:

• 16 volunteers (men & women) • Age 30-55 • Tonic with liposomal complex • Usage: once at night for 90 days.

## **Applications:**

• Cream • Serum • Toner • Shampoo • Conditioner/Mask

## **Benefits:**

• Higher stability against coalescence • Lack of toxicity or irritant characteristics

## Anagen phase improvement vs Telogen phase (90days, %) Subjective evaluation 90 days, satisfied volunteers lipogrowth-complex non lipogrowth-complex Hair loss lower, %93 %10 Less frizz, %68 Volume, %78 %17-Combing and washing hair loss (90 days, %) %40-%43-%47-New hair born, %83 Scalp sensivity, %85



