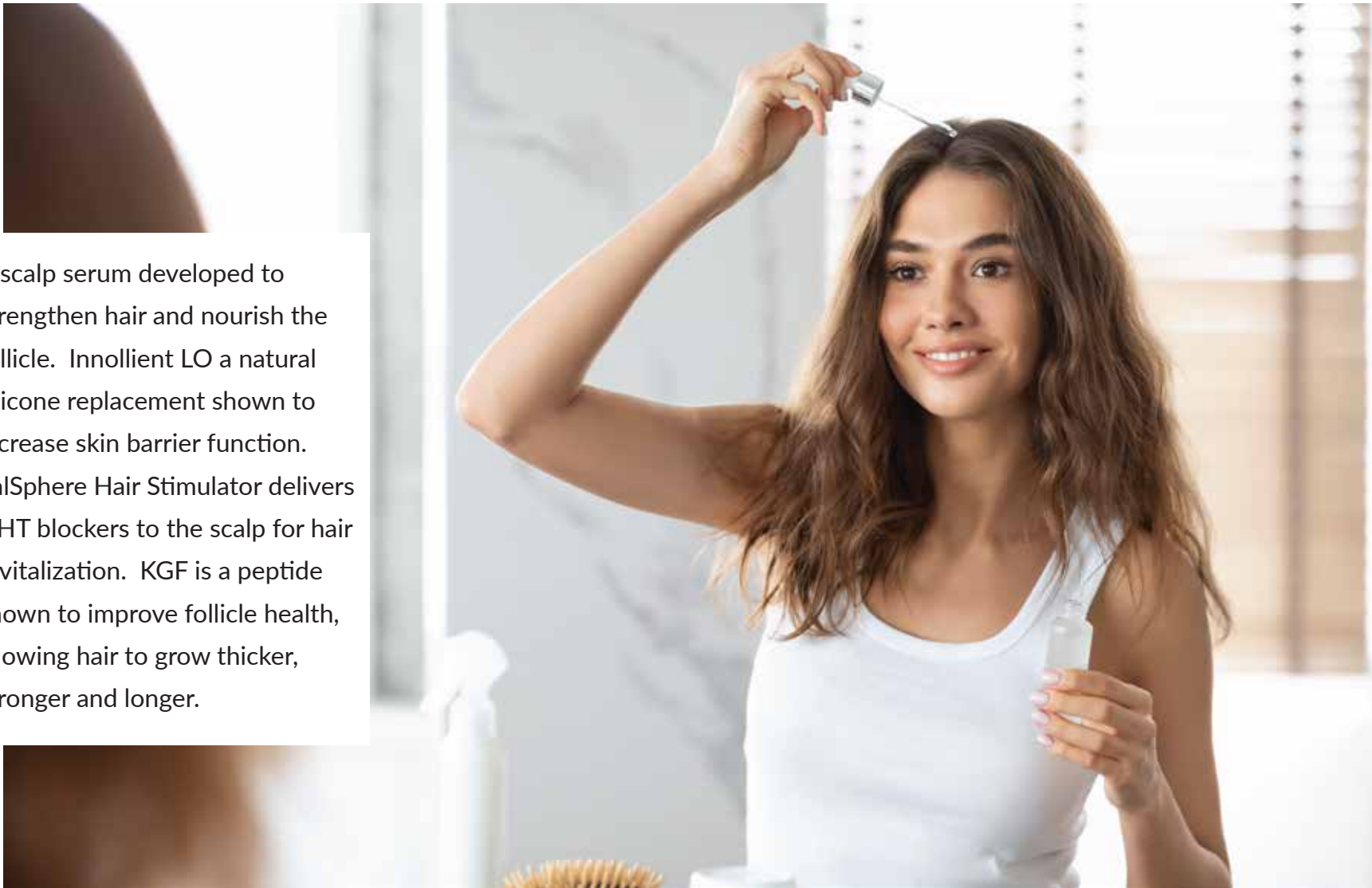


# Strengthening Scalp Serum for Thinning Hair



A scalp serum developed to strengthen hair and nourish the follicle. Innolient LO a natural silicone replacement shown to increase skin barrier function. SalSphere Hair Stimulator delivers DHT blockers to the scalp for hair revitalization. KGF is a peptide shown to improve follicle health, allowing hair to grow thicker, stronger and longer.

**Barentz.**

# Strengthening Scalp Serum for Thinning Hair

# Formula # PC-22

	Trade	INCI	Function	% as added	Featured Benefits
Phase A	Water	Water	Carrier	80.45	
	Hyaluronic Acid (High MW)	Hyaluronic Acid	Active	0.1	A powerful humectant and moisturizing agent
	Innovaloe Aloe Vera Gel Powder 200X:1	Aloe Barbadensis Leaf Juice Powder	Active	0.1	Highly concentrated Aloe Vera active
	Glystar A31	Sorbitol and Glycerin	Humectant	2	More powerful humectant than glycerin alone
Phase B	Flocare ET 1737 GPG	Polyquaternium-37, Propylene Glycol Dicaprylate/Dicaprate and PPG-1 Trideceth-6	Stabilizing Agent	3	Provides high thickening and conditioning properties to the hair and skin
	NuSolutions® EZ Guar C-14	Guar Hydroxypropyltrimonium Chloride	Conditioning Agent	5	A pre-hydrated guar that allows for trouble-free processing
Phase C	KGF	sh-polypeptide-3	Active	0.05	A peptide shown to make hair grow thicker, stronger and longer
	SalSphere Hair Stimulator	Caffeine, Serenoa Serrulata Fruit Extract, Azelaic Acid, Zinc PCA, Arginine, Lactic Acid, Glycine Soja (Soybean) Germ Extract, Triticum Vulgare (Wheat) Germ Extract, Scutellaria, Baicalensis Root Extract, Biotin, Citric Acid, Glyceryl Stearate, Butyrospermum Parkii (Shea Butter), Cetearyl Alcohol, Glyceryl Stearate, Carthamus Tinctorius (Safflower) Seed Oil	Active	3	A targeted delivery of DHT blockers for hair revitalization
	Innollient LO	Octyldodecyl Oleate, Octyldodecyl Stearoyl Stearate, Polyhydroxystearic Acid, Octyldodecanol	Conditioning Agent	2	COSMOS Approved Silicone replacement, with a cyclomethicone skin feel
	Oxismooth CP	Isoamyl Capryl Caprylate	Solvent	2	COSMOS Approved Silicone Alternative with a unique dry sensory
	HydroGuard™ H-20	Propanediol and Hydroxyacetophenone	Preservative	2	A multifunctional with humectant type properties that guards formulations against biodegradation and spoilage
	Kaduka Plum	Fragrance	Fragrance	0.3	Sweet Aroma
				100	
* Flavor and Fragrance Specialties					

## Method:

1. Add water to main vessel and begin mixing with moderate agitation
2. Slowly added Hyaluronic Acid Powder and mix until uniform (no gel balls)
3. Slowly add Aloe Vera Gel Powder and mix until homogeneous
4. Add Glystar A31 to main vessel and mix until homogenous
5. Add Flocare ET 1737 GPG and let mix for at least 15 minutes (lab scale), until batch thickens and becomes uniform
6. Slowly add phase C ingredients individually, ensuring homogenous mixing before adding the next

**Appearance:** White Lotion

**Odor:** Kaduka Plum

**Viscosity:** 4,000-6,000 cps (SP3 @ 20rpm)

**pH:** 4.75-5.75

## Directions to use:

Dispense and apply the product to the scalp and massage in evenly

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