

**iHAIR MINOXIDIL**


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**INCI Name (US):** Minoxidil

**INCI Name (EU):** Minoxidil

**CAS #:** 38304-91-5

**General Information/  
Characteristics:**

Minoxidil solution and foam are used to help hair growth in the treatment of male pattern baldness. It is not used for baldness at the front of the scalp or receding hairline in men. The foam and 2 % Minoxidil solution is also used to help hair growth in women with thinning hair.

Minoxidil is the only treatment for Male and female patterned (AGA) hair loss that has been approved by FDA.

**Benefits / Application:**

**Benefits:**

- Reversers the hair loss process and help hair re-growth
- Works on crown of the scalp.
- Protect and nourishes hair during natural seasonal hair shedding
- Stable and easy to implement in the formulations.  
Safe and Effective for both Men and Women.

**Application:**

- Hair tonic
- Hair lotion
- Hair ampoules
- Hair Cream
- Hair Foam

**Formulations Advices:** Dosage: 2% for women; 5% for men.

**Regulatory Status:** No applicable

<b>Physic-Chemical Properties:</b>	Appearance	Crystalline Powder
	Color	White to off-white
	Loss on drying	Max. 0.5%

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**Physic-Chemical Properties (Cont.):**

Melting point	248 - 268°C
Solubility	Soluble in alcohol and in propylene glycol, sparingly soluble in methanol, slightly soluble in water. Practically insoluble in chloroform, in acetone, in ethyl acetate and in hexane.
Identification (by IR Absorption spectrum)	In Accordance with IR absorption spectrum of Minoxidil working standard.
Assay by HPLC (on dried basis)	Min. 97.0% - Max. 103.0%
<u>Impurities:</u>	
Residue on ignition	Max. 0.5%
Heavy Metals	Max. 20 ppm
Organic impurities by HPLC	Total impurities: Max. 1.5%
Residual solvents by GC-HS:	
Methanol	Max. 3000 ppm
Piperidine	Max. 1000 ppm

*\*These values indicate typical specification; they are not intended to be used as product specifications*

**Additives:**

Preservatives: No applicable

**Shelf Life / Storage Conditions**

Store at room temperature. Keep in a cool, dry and ventilated place.

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