

# BIOVITON-OSL™

## *Introducing one of the world's first: Oil-Soluble Biotin*

Helixion is proud to present BIOVITON-OSL™, one of the world's first Oil-Soluble Biotin innovations tailored for personal care and cosmeceutical formulations. Biotin, also known as Vitamin B7, is a key nutrient renowned for its ability to strengthen hair, promote healthy skin, and support nail health. Traditionally water-soluble, biotin's incorporation into oil-based products has always posed a challenge—until now.



With BIOVITON-OSL™, Helixion has redefined the formulation landscape by transforming biotin into an oil-soluble form. This groundbreaking advancement allows formulators to seamlessly integrate biotin into oil-based serums, creams, hair oils, and other products, unlocking a host of new benefits

**INCI : Biotin, Prunus Amygdalus Oil, Iso Propyl Palmitate, PEG 40 GMS, Phenoxyethanol, Alpha Tocopherol Acetate**

CAS NO.: 58-85-5/8007-69-0/ 142-91-6/ 61788-85-0/ 31566-31-1/122-99-6 / 7695-91-2

S.No.	Parameters	Specifications	Method of Analysis
1	Appearance	Creamish White Liquid	Physical Observation
2	Odour	Characteristics	Sensory, Smell
3	Density	0.75-0.85 GM/ML	IS 4730:1994
4	Biotin Content	Min 10%	IS 7219:1973
5	Solubility	Oil Soluble	Physical Checking

### SOLUBILITY INDEX

S.No.	Veg Oils	Solubility@ 10% of Bioviton
1	Coconut Oil	✓
2	Almond Oil	✓
3	Castor Oil	✓
4	Jojoba Oil	✓
5	Sesame Oil	✓

**BIOVITON-OSL™ solubility in Mineral oil/ Liquid Paraffin Oil:** This innovative oil-soluble Biotin should first be blended with any plant-based oil. Once mixed, the resulting blend can then be combined with mineral oil to achieve optimal solubility. For best results, mix the biotin with oils at a temperature of 40-45°C, and blend thoroughly for a minimum of 15-20 minutes.

## BIOVITON-OSL™ FOR Hair Care



Biotin (Vitamin B7) is an essential B-vitamin that plays a pivotal role in supporting hair growth, as well as improving skin and nail health. In hair care, biotin enhances the metabolism of scalp oils, promoting a healthier environment for hair follicles. It is widely recognized as a key ingredient in products designed to combat hair loss, including scalp treatments, leave-in sprays, shampoos, and conditioners. Scientific evidence supports its ability to improve hair growth, making it an indispensable component in advanced hair care formulations. Our innovative Oil-Soluble Biotin breaks barriers for formulators, enabling seamless incorporation into oil-phase products like scalp oils, hair oils, and oil-based serums to create next-generation products that deliver visible results for stronger, healthier, and more vibrant hair. .

### Application :

Scalp Oil/ Hair Oil / Serums/ Conditioners( Leave On and Rinse Off.)

## BIOVITON-OSL™ FOR Skin Care



Topical application of biotin (Vitamin B7) helps hydrate skin cells, improving overall skin tone and texture. Biotin oil is known for its ability to soothe rashes, restore dry, cracked skin, and promote a clear complexion. Research shows biotin supports skin cell regeneration and reduces signs of aging by enhancing moisture retention.

Our Oil-Soluble Biotin seamlessly integrates into massage oils and skincare products, providing scientifically-backed hydration and skin health benefits for a smoother, healthier appearance.

### Application :

Massage Oils/ Face Oil/ Serums/ Ampules developed for Skin care routines...

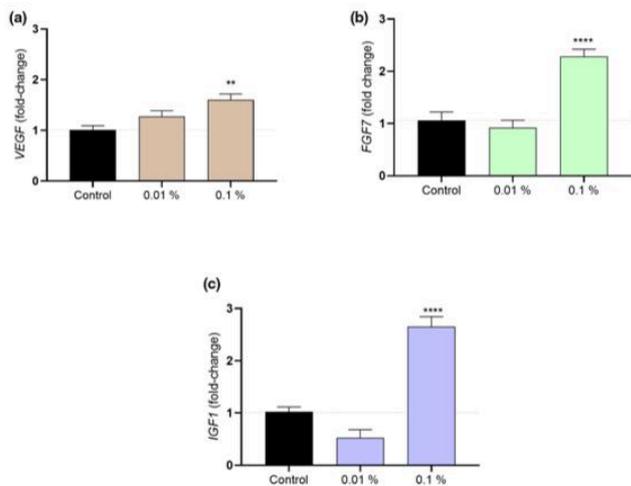
REF: Int J Cosmet Sci. 2024;46:119–129.

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### Hair Care :

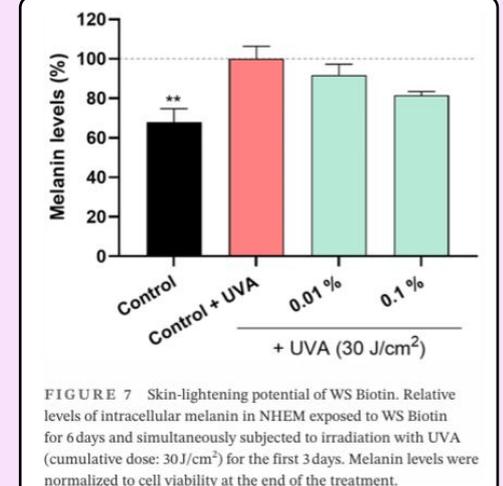
Biotin Promotes the Expression of Hair Growth related genes.

**FIGURE 6** WS Biotin promotes the expression of hair growth-related genes. Relative gene expression values of *VEGF* (a), *FGF7* (b) and *IGF1* (c) in HFDPs exposed to WS Biotin at different concentrations in supplement-reduced culture medium, determined by qPCR.



### Skin Care :

Skin lightening Potential of Biotin.



**Recommended Dosage**

**6-10%**



**Packaging & Storage Conditions**

In HDPE Cans , store in Cool Dry place under ambient conditions away from sunlight



**Shelf Life**

18 Months from the date of Manufacturing.

**REACH OUT TO US**

**MARKETING AND SALES PARTNER :**  
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