

BIOSPONGE HYDRACTYL

Moisture Time Release System

INCI NAME:

Honey Extract, Sodium PCA, Serine, Glycogen, Nylon 12, Water

DOSE OF USE:

3 to 10%

SOLUBILITY:

Insoluble in oils and water.

PRESERVATIVES:

Paraben free

COSMETIC USE:

BIOSPONGE HYDRACTYL is indicated for the following treatments (in **Make-up**, creams, emulsions, gels,...)

- Products for dry, rough skins
- Preparations for skins lacking elasticity
- After-sun preparations
- After-shave products
- Treatment make-up
- Body gels or lotions
- Hair treatments.

DESCRIPTION:

BIOSPONGE HYDRACTYL is a new cosmetic compound based on spherical/oval micro particles of an average homogeneous size (5 to 20 μm), loaded with an effective **moisturizing active** NMF-like. Specially indicated for **make-up powder** products.

Each particle is a micro-sponge, whose composition is:

- The container is a micro-vector whose is made up with a neutral polymer with a synthetic origin (polyamide), inert and stable and with an excellent local tolerance. Each micro-particle is formed by a micro-canal net destined to receive the active ingredient and release it in a progressive form, allowing time delay and progressive effect.
- The content is BIO-HYDRACTYL. It is a natural active, derived from honey with a composition similar in elements and in functionality to the skin's Natural Moisturizer Factor (NMF). The NMF is a compound of substances responsible of bounding the water at the superficial layers of the skin. It is thus, the responsible of the skin's hydration.

Presenting Bio-Hydractyl at a micro-vecto offers considerable advantages due to the following:

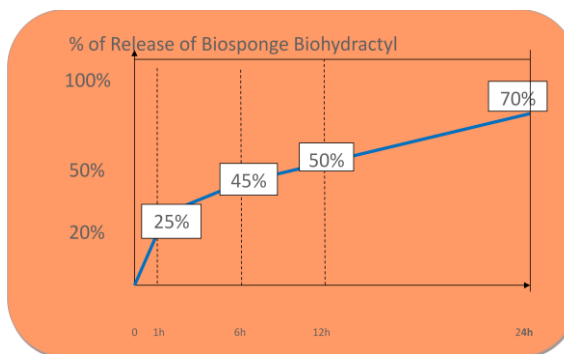
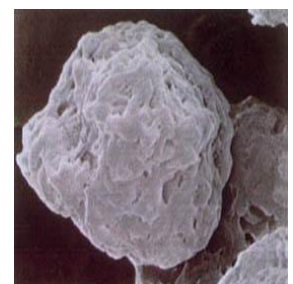
1. A progressive freeing of the linked active ingredient: This system allows a **progressive release** of the ingredient, which result in a time delay, long lasting effect. The ingredients progressive release into the outside of the micro-particles is achieved through trans-matrix diffusion.

PROPERTIES:

2. Protection of the entrapped active ingredient: thanks to its structure, composition and preparation, this active ingredient, which is linked to this micro-vector, is protected from the outside environment and its interactions. These micro-particles do not have an occlusive effect, allowing the natural physiologic interchanges of gas and liquids thru the skin and the environment

It is well known that the skin is covered by a light hydro-lipidic film, made up by a mixing of sweat and sebaceous secretion. The cutaneous temperature is around 30 $^{\circ}\text{C}$.

When a cosmetic preparation, with BIOSPONGE HYDRACTYL, is applied on the skin, the micro-particles, due to its size, stay at the external epidermic layers surface. The micro-sponges contents tend to be diffused over the cutaneous hydro-lipidic film.



N a t u r a l l y E f f e c t i v e

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