

Behin Nano Material Cosmetics



www.behinpharmed.com

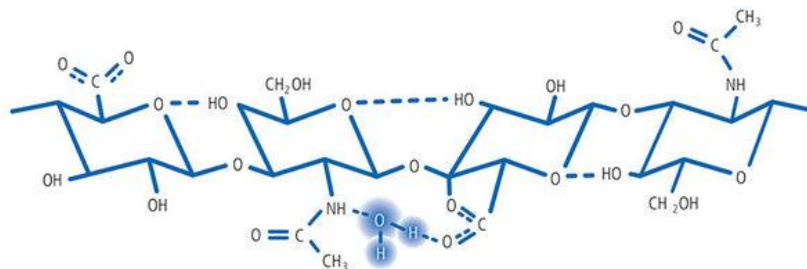
Behin Nano HA 5%

50-100 μ L for each SKU

Adding **Nano HA 5%** to lipstick can improve hydration, make the product feel smoother, and help the lips look less dry and more plump. It can also help stabilize the formula and support better delivery of the hydrating ingredient in an anhydrous or low-water lipstick

Main advantages

- Better lip hydration: HA is strongly hygroscopic and can bind large amounts of water, which helps reduce dryness and flaking on the lips.
- Softer, plumper look: In lip products, HA is associated with a smoother surface appearance and a more plumped look because of its water-binding and film-forming behavior.
- Improved wear comfort: A Nano HA interact more effectively with the skin and improve hydration delivery compared with plain HA.
- Better compatibility in lipstick: Nano HA 5% systems are specifically useful in lipstick and other oil-rich cosmetics because standard HA is otherwise hard to disperse in such formulas.
- Possible formula benefits: HA-containing systems can improve lubricity and help reduce cracking or rough feel in solid color cosmetics.



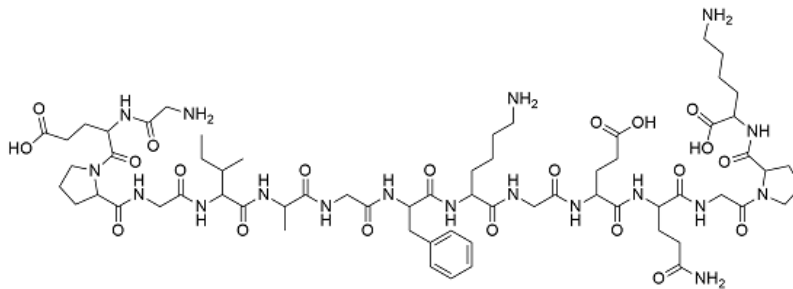
Behin Nano Collagen 5%

50-100µL for each SKU

Adding **Nano collagen 5%** to lipstick is mainly useful for adding a skincare angle: better lip conditioning, a smoother feel, and a more premium “treatment lipstick” story. Collagen in cosmetics is commonly used to improve hydration and reduce the appearance of dryness, while liposomes help protect and deliver actives more effectively.

Advantages

- Better moisture feel: Nano collagen-based cosmetic ingredients can form a light film that helps reduce water loss and improve softness on the lips.
- Smoother application: a Nano Collagen system can improve the dispersion and sensory feel of actives in a wax-oil lipstick base.
- More elegant delivery: Nano Collagen 5% can help protect collagen peptides and support controlled release, which is useful in leave-on products like lipstick.
- Anti-aging positioning: Nano collagen and its peptides are widely used in cosmetics for claims related to skin condition, elasticity, and a more youthful appearance.
- Better product differentiation: adding Nano collagen 5% can make the lipstick more than a color product; it becomes a hybrid color-and-care formulation.



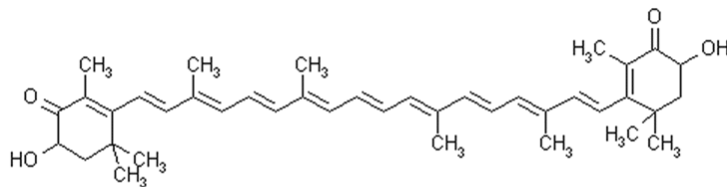
Behin Nano astaxanthin 3%

100-200µL for each SKU

Adding **Behin Nano astaxanthin 3%** to lipstick can add both performance and care benefits. The main advantages are antioxidant protection, help against UV-related oxidative stress, better anti-aging positioning, and a natural red-orange tint that can support or partially replace pigments.

Main benefits

- Strong antioxidant activity: Nano astaxanthin is well known as a potent antioxidant, so in a lip product it can help protect the lip area from oxidative stress.
- UV-defense support: topical astaxanthin has been associated with protection against UVB-related skin damage and photoaging effects.
- Anti-aging appeal: studies and cosmetic reviews link astaxanthin with improved skin moisture, elasticity, wrinkle appearance, and overall skin condition, which is attractive for premium treatment lipsticks.
- Natural color contribution: Nano astaxanthin has a strong orange-red color, so it can contribute to shade, warmth, or tint in the formula.
- Better delivery with Nano Structure: Nano systems can improve stability and skin delivery of astaxanthin, which is useful because astaxanthin is oil-loving and sensitive to degradation.



Behin Nano liposome

100-200 μ L for each SKU

Adding **Behin Nano liposomes** (unloaded, without any encapsulated active) to lipstick material can still offer several useful advantages, especially at the **interface between the formula and the lip surface**.

Hydration and barrier support

- Empty liposomes can interact with the lip surface lipids, proteins, and carbohydrates, helping to reinforce the skin barrier and increase hydration.
- In dry or damaged skin models, empty liposomes have been shown to improve hydration and microrelief, which can translate into smoother, less chapped-feeling lips.

Better formula spreadability and feel

- The phospholipid bilayer structure can act as a **natural lubricant/softener**, improving spreadability and giving a smoother, less grippy or tacky feel on the lips.
- This can be useful in high-wax or more matte-type lipsticks to reduce dryness-like perception without adding extra oils.

Stabilization and protection of other actives

- Even if the liposomes are “empty” at some stage, they can provide a **stabilizing matrix** and help solubilize or protect sensitive ingredients (e.g., oils, antioxidants, vitamins) when they start to associate with the bilayer.
- In cosmetic systems, liposomes can improve the stability and controlled release of lipophilic compounds, which is relevant in a wax-oil-based lipstick.

