

CrossLinked^{HA}

Hydrogel forming *crosslinked hyaluronic acid powder*

Working as a delivery system and enabling gradual release of active ingredients into the skin. The final product is a water—soluble powder with no preservatives nor stabilizers needed and has better solubility in comparison to other gelled crosslinked

- ✧ more stable than HA
- ✧ immediate reduction of wrinkles
- ✧ higher hydrating capabilities than HMW HA
- ✧ reservoir of water and active ingredients enabling their gradual release
- ✧ prepared by crosslinking of an HA—derivative in the presence of standard HA



HYDRATION

62%
Increase of immediate hydration after 1 hour

HYDRATION

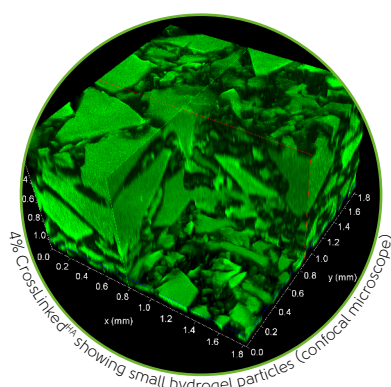
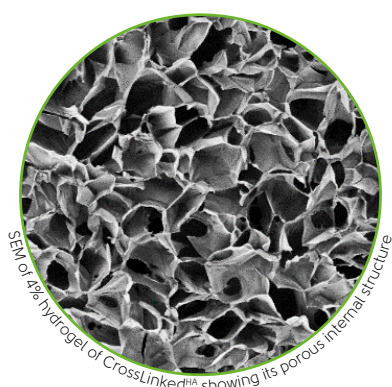
59%
Higher hydration after 4 hours

HYDRATION

12%
increase in comparison to standard MW HA

CrossLinked^{HA} (HA—aldehyde crosslinked with POA – O,O' – 1,3 propanediylbishydroxylamine dihydrochloride)

- * Forming a hydrogel in the presence of water.
- * Water reservoir and reservoir of various active ingredients inside its pores and enables their gradual release into the skin, it prolongs their bioavailability in the skin (e.g. niacinamide – vitamin B3).
- * Decreasing the irritation risk caused by some active ingredients.
- * Higher resistance against hyaluronidases (enzymes present in the skin which degrade HA).
- * Better results in comparison with commercially available crosslinking HA with divinylsulfone (HA – DVS).



APPLICATION



DAY CREAMS

0.05 – 0.10%



EYE CREAMS

0.05 – 0.10%



NIGHT CREAMS

0.05 – 0.15%



SERUMS

0.05 – 0.20%



LOTIONS

0.05 – 0.10%



MASKS

0.05 – 0.10%

IN-VIVO STUDY CONDITIONS:

Double-blind, placebo-controlled, split-face study; Cream with 0.01% CrossLinked^{HA}
 Placebo: the same cream containing 0.01% standard molecular weight HA
 4 hours, 8 volunteers, measured by corneometer and 3D camera Primos Lite



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