

Hyaluronic acid

The most popular anti-ageing ingredient
MW 1,3 – 2,3MDa



ECOCERT



CHINA COMPLIANT



COSMOS



MICROBIOME FRIENDLY

INCI: SODIUM HYALURONATE



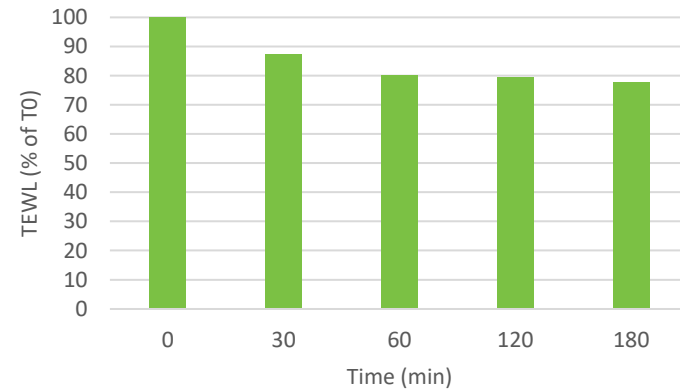


SKIN BARRIER

21%

TEWL REDUCTION

In vivo study by Contipro



HA (0,1%) in emulsion, volar forearms, 8 volunteers.
TEWL determined by TM300 tewameter (Courage
and Khazaka electronics)

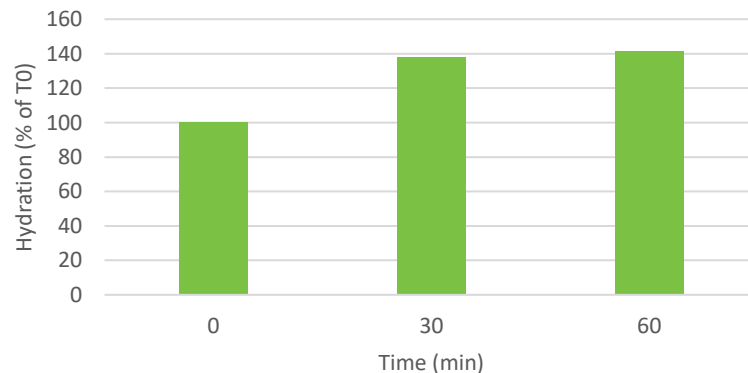


HYDRATION

41%

INCREASE OF
IMMEDIATE HYDRATION

In vivo study by
Contipro



HA (0,1%) in emulsion, volar forearms, 8 volunteers.
Hydration determined by CM 825 corneometer
(Courage and Khazaka electronics)

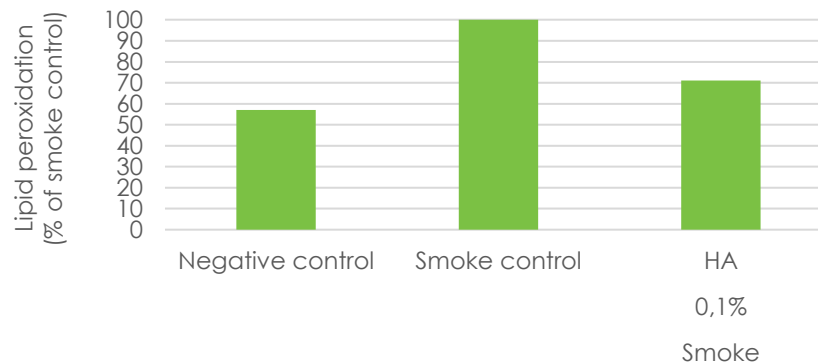


ANTI
POLLUTION

30%

SKIN BARRIER
LIPIDS PROTECTION

Study by Contipro



Skin explants incubated 24 h with HA, washed, air-dried and exposed to cigarette smoke.
Lipid peroxidation after 1 h determined by TBARS assay.

Additional advantages of HA

- * Excellent moisturizer creating a hydrating film
- * Skin microbiome support
- * Decreases sebum production
- * Reduces pores
- * Anti-inflammatory and antioxidant effects



Production of HA in Contipro

SUSTAINABLE BIOTECH PRODUCTION

Our HA is made by fermentation of a non-haemolytic microbial strain *Streptococcus equi*.

ENVIRONMENTAL FRIENDLY

Everything we make is biodegradable. We have our own solar power plant and wastewater treatment plant. Our buildings are heated with residual energy from our production operations.

NATURAL PRODUCT

Contipro's HA has natural index 1 (according to ISO 16128-1:2016 and 16128-2:2017)

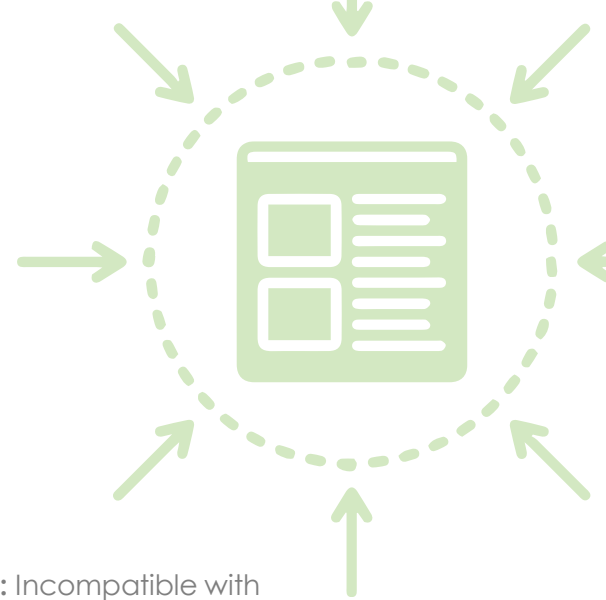


Hyaluronic acid: Collected technical data

- **INCI name:** Sodium Hyaluronate
- **Supplied form:** powder
- **Samples:** 1 g
- **Minimal ordering quantity:** 1 kg
(If ordering smaller quantities, price can increase due to handling fees)
- **Recommended concentration in final products:**
0.01 – 0.1 % of powder
(safety tests up to 1%)
- **Shelf-life:** 24 months
- **Source:** fermentation of a non-hemolytic microbial strain *Streptococcus equi*.

- **Compatibility and processing:** Incompatible with cationic substances, e.g. surfactants or polymers (Polyquaternium-4, Polyquaternium-10, etc.).

Sensitive to heat. Heating to 90°C for 45 min. can lead to the molecular weight decrease up to 20%.
- **Solubility:** Fully soluble in water. Speed of dissolving depends on molecular weight. It is also soluble in a mixture of ethyl alcohol, isopropyl alcohol propylene glycol and butylene glycol with water up to ratio 1:1. Insoluble in solvents which are non-miscible with water.



Who We Are

*World leader in research
and manufacturing
of hyaluronic acid.*

*Innovator in biotechnologies
since 1990.*

*Reliable partner of **successful
brands.***



We Are Here to Help You

ZUZANA JENÍKOVÁ

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for active ingredients*

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