

HySilk

Low molecular weight hyaluronic acid
150 — 1300 kDa



ECOCERT



CHINA COMPLIANT



COSMOS



MICROBIOME FRIENDLY

INCI: SODIUM HYALURONATE



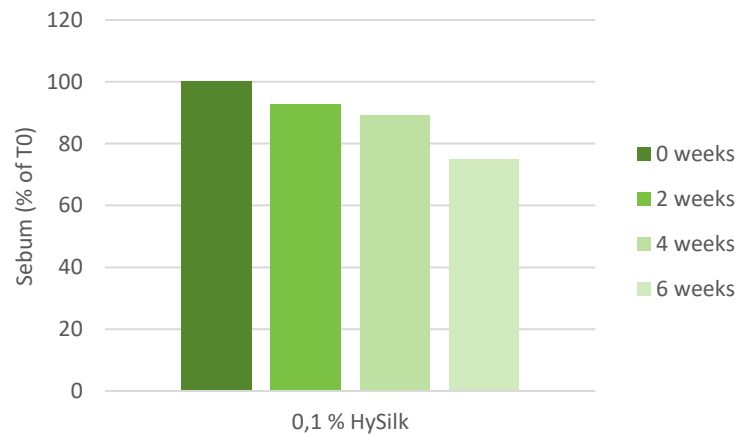


OILINESS

25%

REDUCTION OF SEBUM
PRODUCTION

In vivo study by Contipro



HYS (0,1%) in emulsion, cheek, 6 volunteers.
Sebum content determined by sebumeter
(Courage and Khazaka electronics)

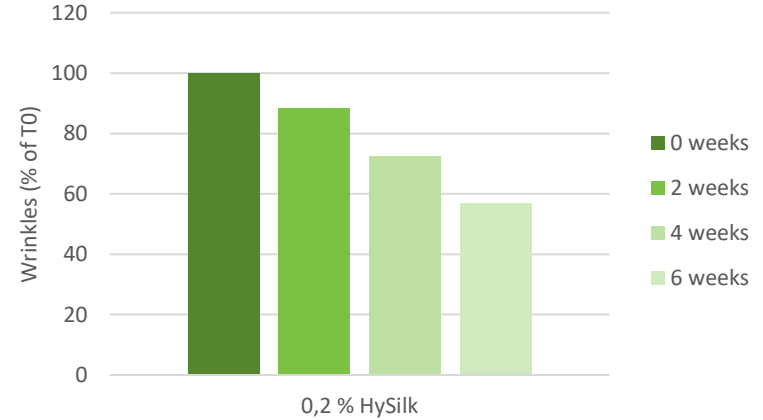


WRINKLE REDUCTION

43%

REDUCTION OF WRINKLES

In vivo study by Contipro



HYS (0,2%) in emulsion, crowsfeet area, 30 volunteers.
Wrinkles determined by 3D LiveViz camera

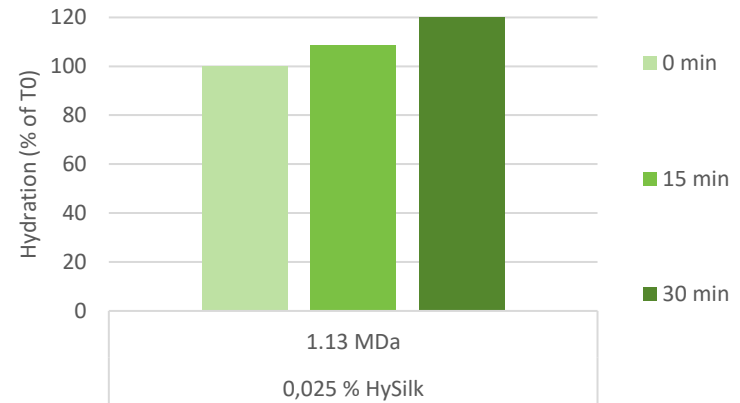


HYDRATION

20%

INCREASE
OF IMMEDIATE
HYDRATION

In vivo study by
Contipro

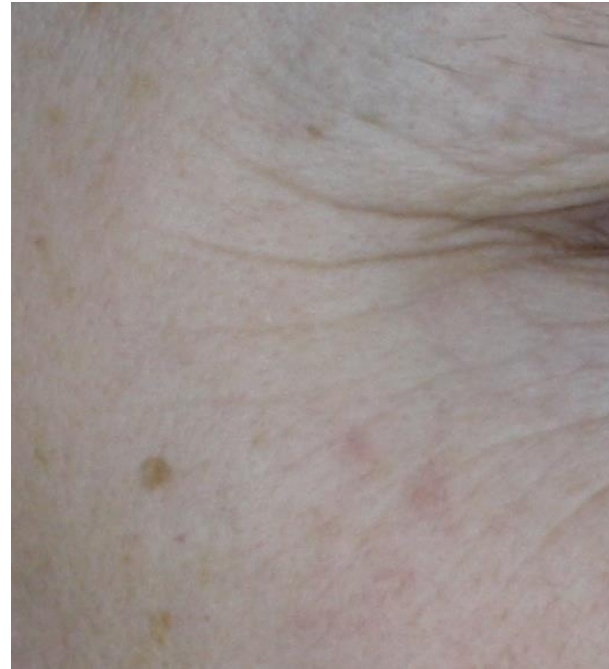


HYS (0,025%) in emulsion, inner forearm, 8 volunteers.
Hydration determined by CM825 Corneometer
(Courage and Khazaka electronics)

Before



Wrinkle reduction after 6 weeks of daily treatment with 0,2% HySilk



Additional advantages of HySilk

- * Increases antioxidant enzymes to fight oxidative stress
- * Supports desquamation
- * Has anti-pollution effect
- * Supports skin microbiome
- * Has anti-inflammatory effect
- * Actively improves the skin barrier function and hydration



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

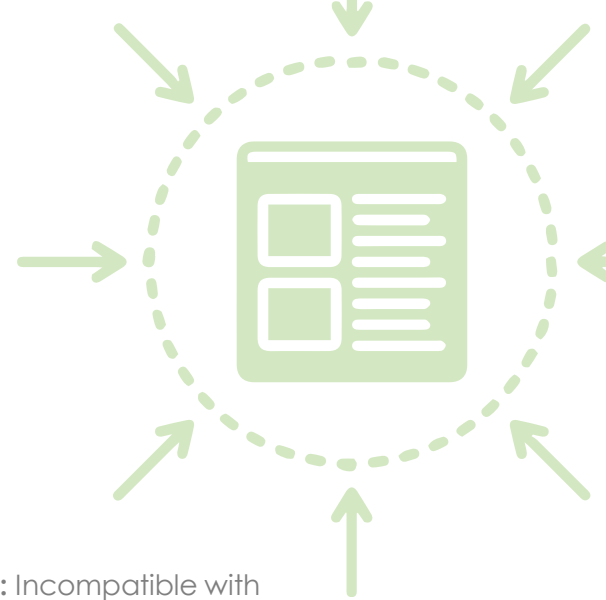
Contipro's HA has natural index 1 (according to ISO 16128-1:2016 and 16128-2:2017)



HySilk:

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 performed up to 2%)
- **Shelf-life:** 24 months
- **Source:** fermentation of a non-hemolytic microbial strain *Streptococcus equi*.
- **Compatibility and processing:** Incompatible with cationic substances, e.g. quaternary polymers and proteins. Recommended temperature for heating is 45–50 °C. It is also possible to heat the solution to higher temperatures like 70 °C for short time. Decreasing of molecular weight can occur. Extreme heating at the temperatures higher than 70 °C for long time can cause changes in molecular weight.
- **Solubility:** Fully soluble in water. Speed of dissolving depends on molecular weight. It is also soluble in a mixture of ethylalcohol, isopropylalcohol propylene glycol and butylen 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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