

PolluProtect

Anti-pollution ingredient

Nowadays, air pollution is one of the global concerns affecting mainly urban areas which has a negative impact on human body including the skin. In our study, we applied cigarette smoke as a representative model of air pollution onto the skin explants and evaluated its effect on the skin lipids, proteins and DNA using various techniques. This model was used to evaluate the ability of selected cosmetic ingredients with various expected mechanisms of action to reduce this type of damage. As a result we developed a new ingredient by combining the best candidates.

✦ Film-forming effect

✦ Skin barrier enhancement

✦ Anti-inflammatory effect

✦ Stimulates antioxidant mechanisms



🎯
ANTI
INFLAMMATORY

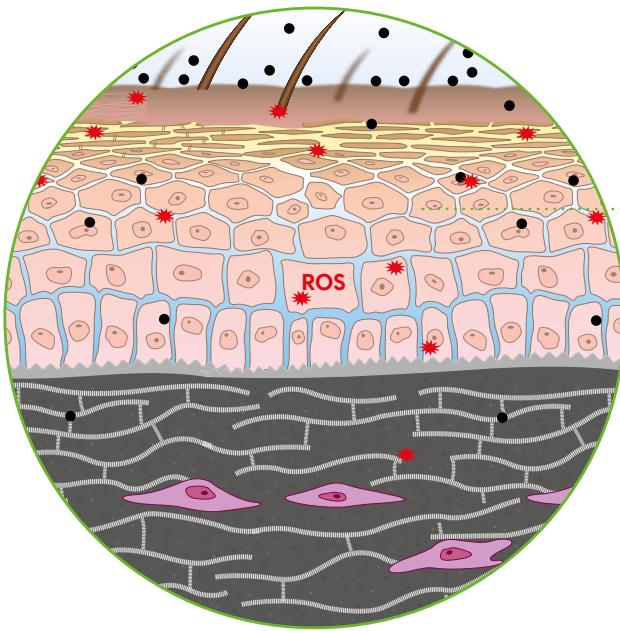
80%
anti-inflammatory
effect

====
BARRIER LIPIDS
PROTECTION

27%
reduced oxidation of
skin barrier lipids

PolluProtect main advantages for formulators:

- ✱ China compliant
- ✱ Ready to be added into the formulation



- ***** HA
 - *** HySilk
 - ** CrossLinked^{HA}
-
- *** Schizophyllan
 - ** TanActine
-
- Air pollutant
 - ★ ROS (reactive oxygen species)

APPLICATION



DAY CREAMS

0.05 – 0.10%



NIGHT CREAMS

0.02 – 0.05%



LOTIONS

0.02 – 0.05%



EYE CREAMS

0.02 – 0.05%



SERUMS

0.05 – 0.10%



MASKS

0.05 – 0.10%

INCI:

Sodium Hyaluronate (high and low molecular weight), Glucomannan, Schizophyllan, Sodium Hyaluronate Crosspolymer