

TanActine

Yeast glucomannan for photoprotection



INCI: GLUCOMANNAN



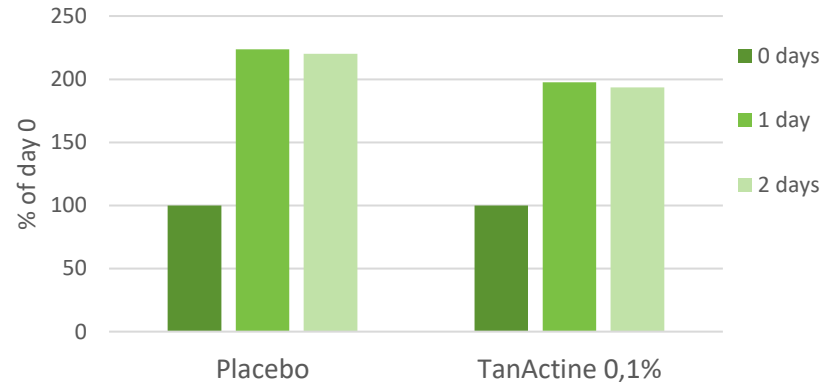


SOOTHING

26%

PREVENTION OF ACCUTE
ERYTHEMA AFTER UV
IRRADIATION

In vivo study by
Contipro



0,1% TAN in water pretreatment, forearms, 25 volunteers.
Erythema index determined by MX 18 mexameter
(Courage and Khazaka electronics)

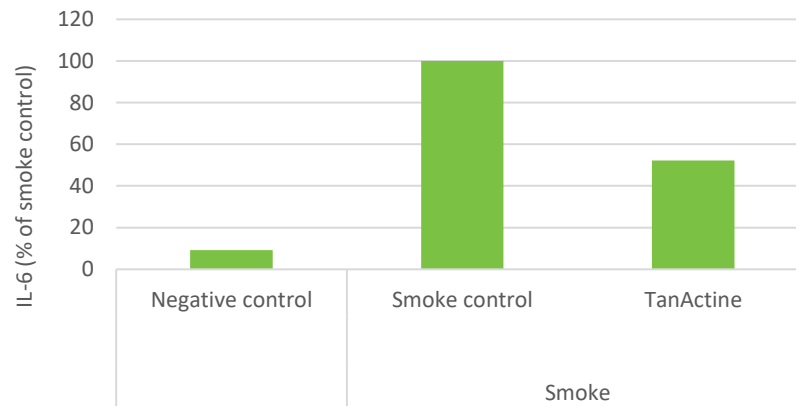


ANTI
POLLUTION

48%

REDUCTION OF
POLLUTION-INDUCED
INFLAMMATION

Study by Contipro



Skin explants incubated 24 h with TAN, washed, air-dried and exposed to cigarette smoke. IL-6 expression determined by qRT-PCR

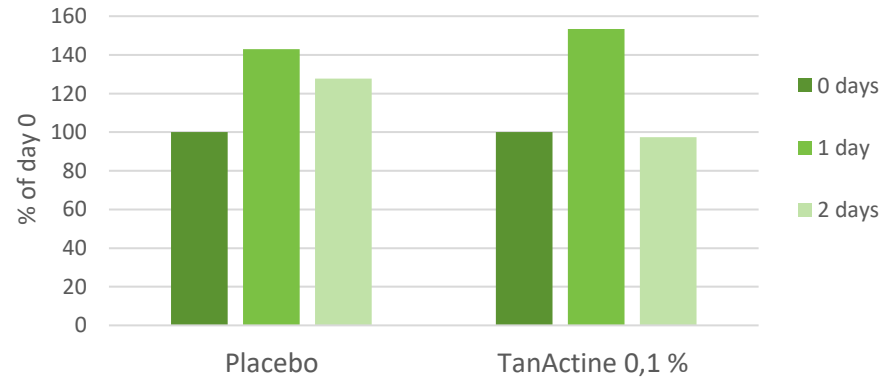


EDEMA

30%

REDUCTION OF
CELL EDEMA

In vivo study by
Contipro



0,1% TAN in water pretreatment, forearms, 25 volunteers.
Cell edema determined by Vivascope 3000

Additional advantages of TanActive

- * Anti-inflammatory properties
- * Supports skin microbiome
- * Protects DNA from UV-induced damage
- * Increases cell viability and reduces apoptosis (cell death)



Production of TanActine in Contipro

Sustainable biotech production

TanActine is obtained by alkaline extraction from the cell wall of yeast *Candida Utilis*, cultivated under special conditions.

Environmental friendly production

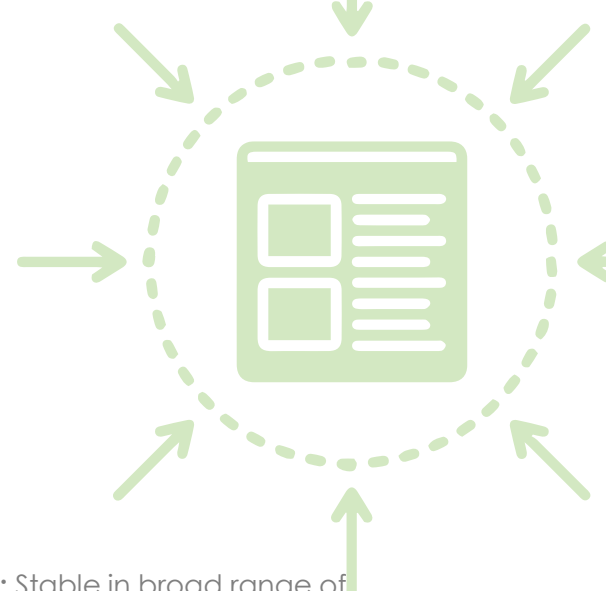
- Everything we make is **biodegradable**.
- We have our own **solar power plant** and **wastewater treatment plant**.
- Our buildings are **heated with residual energy** from our production operations.



TanActine: Collected technical data

- **INCI name:** Glucomannan
- **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 2%)
- **Shelf-life:** 24 months
- **Source:** produced by alkaline extraction from the cell wall of yeast *Candida utilis* cultivated under special conditions.

- **Compatibility and processing:** Stable in broad range of pH (4–9). Stable at higher temperature (80 °C) in neutral conditions for one hour.
- **Solubility:** fully soluble in water. Limited solubility in water/alcohol mixtures, the alcohol concentration must be below 40% for full solubility of TanActine. Insoluble in non-polar solvents



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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