



**Skin
lightening**

**TYROSINASE
INHIBITION**

BRIGHTNESS

**REDUCTION OF
HYPERPIGMENTATION**



VITISIN[®]

Cosmetic active ingredient

Grapevine extract manufactured in **France**

ACTIVE MOLECULES

Vitisin A & Vitisin B

Extracted from French vine roots

INCI name: *Vitis vinifera* (grape) root extract

MULTIPLE POSSIBILITES OF STANDARDIZATION

natural butylene glycol or
propanediol or
glycerin



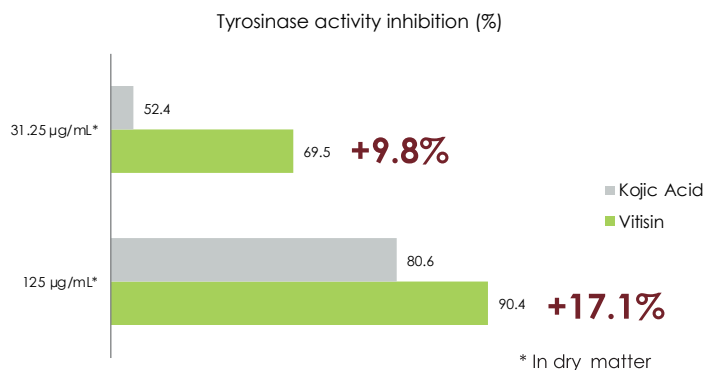
Tested ingredient: Natural VITISIN[®] 1% Sol. (1% of Vitisin A & Vitisin B)



SKIN LIGHTENING

Tyrosinase activity inhibition

In-vitro



Effect of **VITISIN[®]**
on enzymatic activity of tyrosinase

VITISIN[®] is a **more potent** tyrosinase inhibitor than kojic acid, thus promoting skin lightening effect

Skin brightness

Clinical study



Twice a day



21-46 years



20 participants
(forehead: not treated)



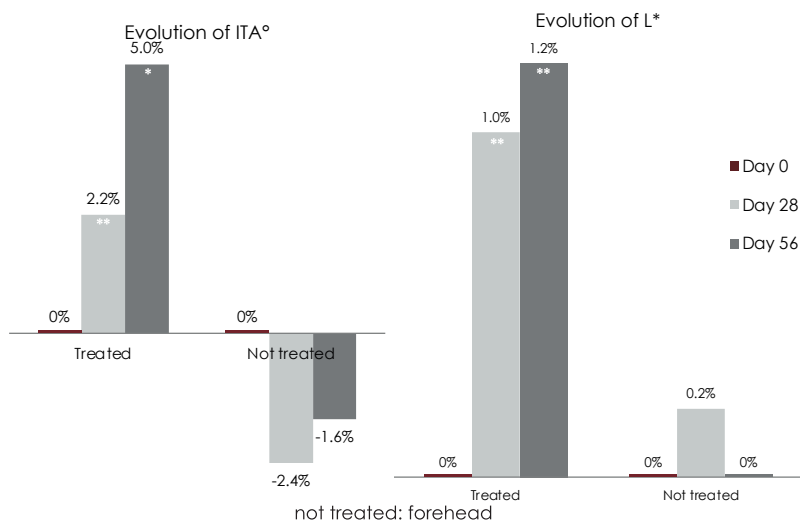
2 months

Tested dose: 3% of **VITISIN[®]**

Evolution of skin color parameters
using Chromametry

ITA° (Individual Typological angle) = skin pigmentation intensity

L* (luminence) = skin brightness



After two months of application, **76%** of volunteers noticed a visible effect on skin brightness

Hyperpigmentation

Clinical study



Twice a day



21-46 years



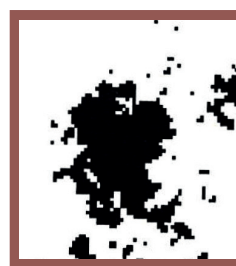
10 participants



1 month

Tested dose: 3% of **VITISIN[®]**

Effect on hyperpigmented spots using
Cross-Polarized Digital Photography



Day 0



Day 28

Area of
age spots

-18%*

Perimeter of
age spots

-14%*

After one month of application, **90%** of volunteers noticed an improvement of the size of hyperpigmentation spots

*COSMOS approved ingredients: Natural **VITISIN[®]** 1% Sol., Natural **VITISIN[®]** 1% Sol. (Glycerin)

*:p<0.05 **:p<0.01

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