

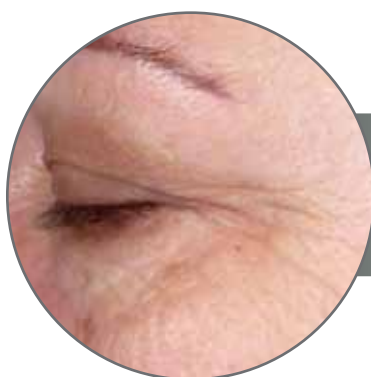
# REVINAGE

The Real Bioretinol



## VISIBLE RESULTS AGAINST WRINKLES

NEW  
DATA



Result  
After 28 days



Pictures obtained by Omnia® equipment, before and after 28 days treatment with **REVINAGE** 2% cream

Results of the pictures demonstrated a visible wrinkles reduction





## FEATURES

Bioretinol – retinoids receptors activity, mimicking the same positive results of retinoids to fight against skin ageing

## BENEFITS

Visibly younger, luminous and firm skin  
Reduces wrinkles, improves skin elasticity and ECM redensification  
Protection and hydration for lips

## MECHANISM OF ACTION

Increases retinoids receptors expression, stimulating the synthesis of dermal proteins and growth factors  
Anti-inflammatory action, through inflammatory mediators reduction COX-2, PGE2, LTB4, NF-KB and AP-1  
Powerful antioxidant, decreases free radicals generation and stimulates SOD and CAT production

## DESCRIPTION

Supercritical fluid apolar extract from *Bidens pilosa*  
Rich phytochemical composition, standardized in phytol

## FORMULATION GUIDELINES

Oil soluble. Add in the oily phase

## APPLICATION

Make up  
Face and Body Care

## SUGGESTED USE LEVEL

1 to 2%



## EFFICACY

**IN VITRO** and **EX VIVO**

### RETINOID LIKE ACTION

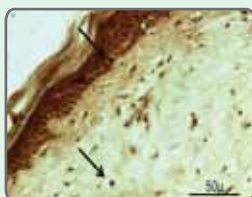
GENE EXPRESSION\* AND IMMUNOHISTOCHEMISTRY  
RXR - Retinoid X Receptor (fibroblasts)

+118%

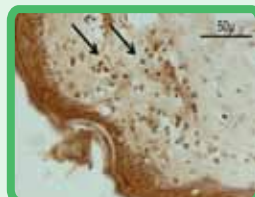
Ex Vivo



Control



Retinol 0.5%



REVINAGE (0.5%)

ELISA\*  
AP-1 Activity (fibroblasts)

-34%

# REVINAGE

## ANTI AGEING EFFECT

### GENE EXPRESSION\*

Pro collagen (fibroblasts)

+159%

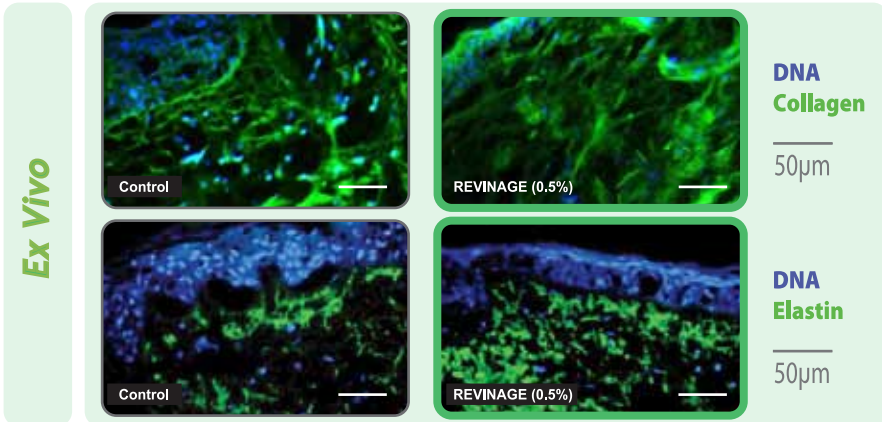
### BIOCHEMICAL DETECTION ASSAY\* AND IMMUNOFLUORESCENCE

Collagen (fibroblasts)

Elastin (fibroblasts)

+24%

+42%



### ELISA\*

MMP-1 (fibroblasts)

-34%

## CELL TURNOVER /PROLIFERATION

### GENE EXPRESSION\*

EGF (fibroblasts)

+110%

### ELISA\*

TGF-B (fibroblasts)

+41%

## POWERFUL ANTIOXIDANT

### IMMUNOENZYMATIC ASSAY\*

SOD (fibroblasts)

CAT (fibroblasts)

+189%

+70%

### BIOCHEMICAL ASSAY\*

MDA (keratinocytes)

-260%

### CHEMILUMINESCENCE ASSAY\*

Free Radicals

-54%

## ANTI-INFLAMMATORY EFFECTS

### ELISA\*

COX-2 (keratinocytes)

LOX-2 (keratinocytes)

LTB-4 (keratinocytes)

-58%

-26%

-28%

\* IN VITRO - REVINAGE 0,15%



## IN VIVO

Emulsion with 2% of **REVINAGE** vs. Basal Condition (before treatment), 40 healthy female volunteers, 35-65 years old, forearms and face, twice a day.

### ANTI AGEING RESULTS

Deep Wrinkles (D42 - PRIMOS®)

**-28,17%**

Skin roughness (D42 - PRIMOS®)

**-35,59%**

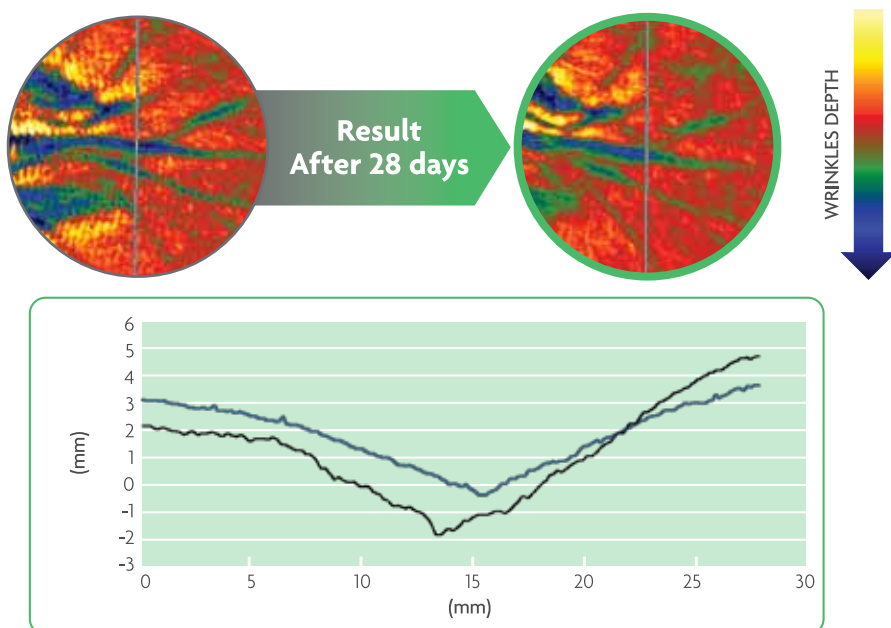
Dermis Redensification (D42 - ULTRASOUND DUB®-USB)

**+25,08%**

Elasticity (D42 - CUTOMETER SEM 575)

**+12,99%**

### Skin Topography Picture - PRIMOS®



Periorbital wrinkles profile along an arbitrary section line before (black) and after (blue) 28 days treatment with **REVINAGE**

### LIPSTICK WITH REVINAGE 1% VS. BEFORE TREATMENT

HYDRATION and LIPIDS PRODUCTION to PROTECTS the LIPS  
NMF (T2 - RAMAN)  
CERAMIDE 3 (T2 - RAMAN)  
CERAMIDE 3 (T4 - RAMAN)

**+92,78%**

**+33%**

**+55,86%**

### INCI Name

*Bidens Pilosa* Extract (and) *Elaeis Guineensis* (Palm) Oil (and) *Gossypium Herbaceum* (Cotton) Seed Oil (and) *Linum Usitatissimum* (Linseed) Seed Oil



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