

# SKINARCH™

THE ART OF BUILDING COLLAGEN

MOHAWK  
THE SKIN  
ARCHITECT

BIOTENSEGRITY

INNER  
BEAUTY

SKINOMYRULESOMYSKINOMYRI

BIG DATA  
inside

SMART DATA  
inside



Reinforce your INNER BEAUTY



Mohawk, the skin architect



Face architecture



IN-SILICO & BIOMIMETIC  
DESIGN OF PEPTIDES

- INCI name of the active ingredient: Palmitoyl Tetrapeptide-7
- Recommended dose: 1-2%
- Solubility: Water soluble

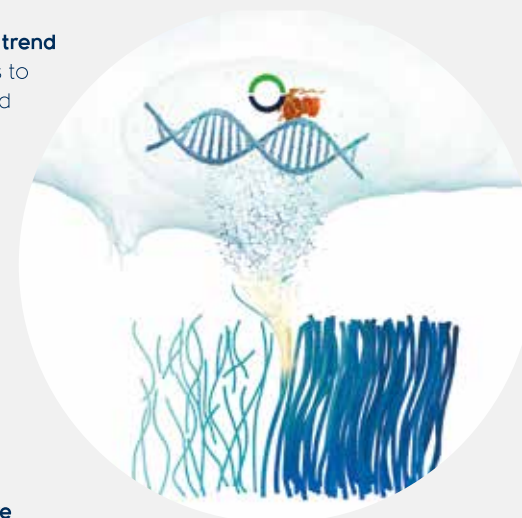
## DESCRIPTION & MECHANISM

Skinarch™ is a novel peptide that enables cosmetics to fully explore the **disruptive trend** celebrating the difference for an **inclusive beauty**. **My skin my rules**. Skinarch™ allows to jump into this trend by taking a common feature in all ethnicities: skin architecture and tensegrity

Tensegrity is key for collagen fibers and only a good network formation ensures it. Skinarch™ increases **Mohawk**, a **novel key player in the cosmetic field**, which may be considered the architect of the skin, promoting the formation of new & well-organized collagen I & III fibers for a proper **biotensegrity**. Skinarch™ also works on the **four collagen families**: fibrillar collagens, connecting and anchoring collagens, network-forming collagens and collagen-like membrane proteins

Moreover, its inclusive efficacy on skin architecture against wrinkles and sagging was proved in a mixed panel of volunteers with **light-pigmented (phototype II-III) and dark-pigmented (phototype V-VI) skin**

In the diversity and the difference we can find and share the **beauty of the skin architecture**



## IN VITRO AND EX VIVO EFFICACY

### Upregulation of the skin collagen families genes

✓	<b>Fibrillar</b>	<b>Connecting</b>	<b>Network collagens &amp; collagen-like membrane proteins</b>
	COL3 COL5	COL6 COL7 COL12 COL14	COL4 COL13

### Improvement of collagen VI, key regulator of collagen organization

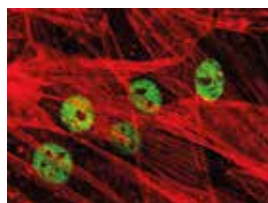
✓ **Upregulation of COL6A1 gene**, a key regulator of collagen I fibrillogenesis

✓ **+41% Collagen VI** vs basal

### Improvement of Mohawk, the skin architect

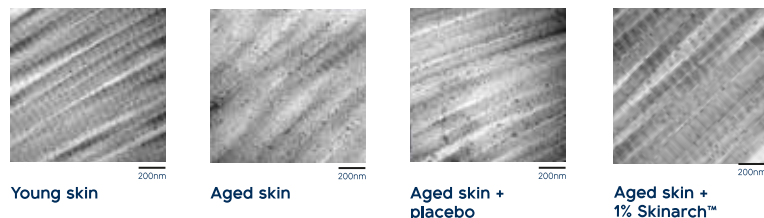
✓ **Upregulation of MKW gene** (Mohawk homeobox) for a proper collagen biotensegrity

✓ **+81% Mohawk** vs basal



Actin (in red) & Mohawk (in green)

### Improvement of the density, thickness & quantity of collagen

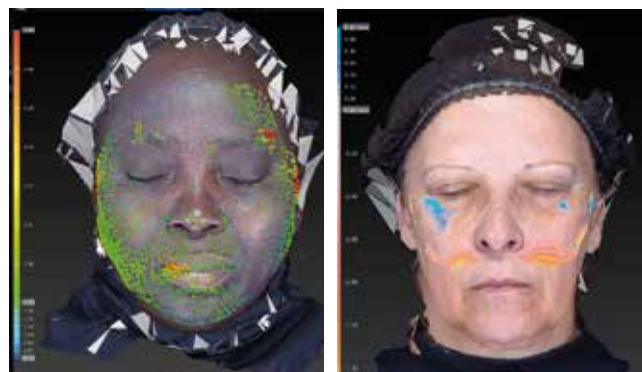


## IN VIVO EFFICACY

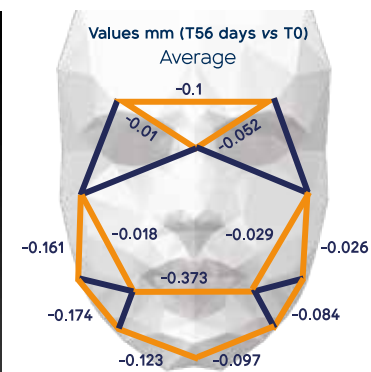
### The art of building collagen

2 panels of 22 volunteers (45-65 years old) placebo group and active group composed by 50% **light-pigmented skin (phototype II-III)** & 50% **dark-pigmented skin (phototype V-VI)** applied a cream with 2% Skinarch™, twice daily for 56 days, whole face

### Firming & restructuring



Improvement in face architecture (full face lifting & plumping effect in 56 days)



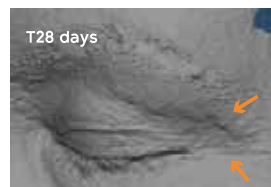
-2 mm total length evolution of face in 56 days

### Skin smoothing (cheek)

✓ **-4.2% (average), -4.1% (V-VI) and -4.3% (II-III) skin average roughness (Ra)** in 56 days

✓ **-6.5% (average), -6.1% (V-VI) and -6.8% (II-III) skin average relief (Rz)** in 56 days

### Wrinkle smoothing (crow's feet area)



✓ **-6.6% and -9.2% (average); -7.3% and -11.7% (V-VI); -6.0% and -11.7% (II-III) wrinkle depth** in 28 and 56 days

✓ **-26.1% (average) and -41.1% (V-VI) wrinkle volume** in 56 days

✓ **Up to 29% (V-VI) and 21% (II-III) less wrinkle depth** in 56 days