

KALINAT DNA

PURE SODIUM DNA for
ADVANCED ANTI-WRINKLE
&
COSMECEUTICALS



TECHNOLOGY

OFFICIAL TRADENAME: KALINAT AW POWDER

MARKET POSITIONING

Pure sodium DNA
Advanced extraction through GMP method
Double helix structured DNA polymers
Anti wrinkle lifting
Elasticity enhancer
Stem cells & fibroblast proliferation enhancer
Immediate lifting effect and soothing
UV damage repair and immune system modulation
Ideal for personal care anti ageing & soothing cosmeceuticals



EXCLUSIVE PRODUCTION & QUALITY

KALINAT AW is produced by a vanguard biotechnology extraction in sterile area with sophisticated machines and techniques



 **KALINAT**
DNA 



APPLICATIONS

COSMETICS APPLICATION

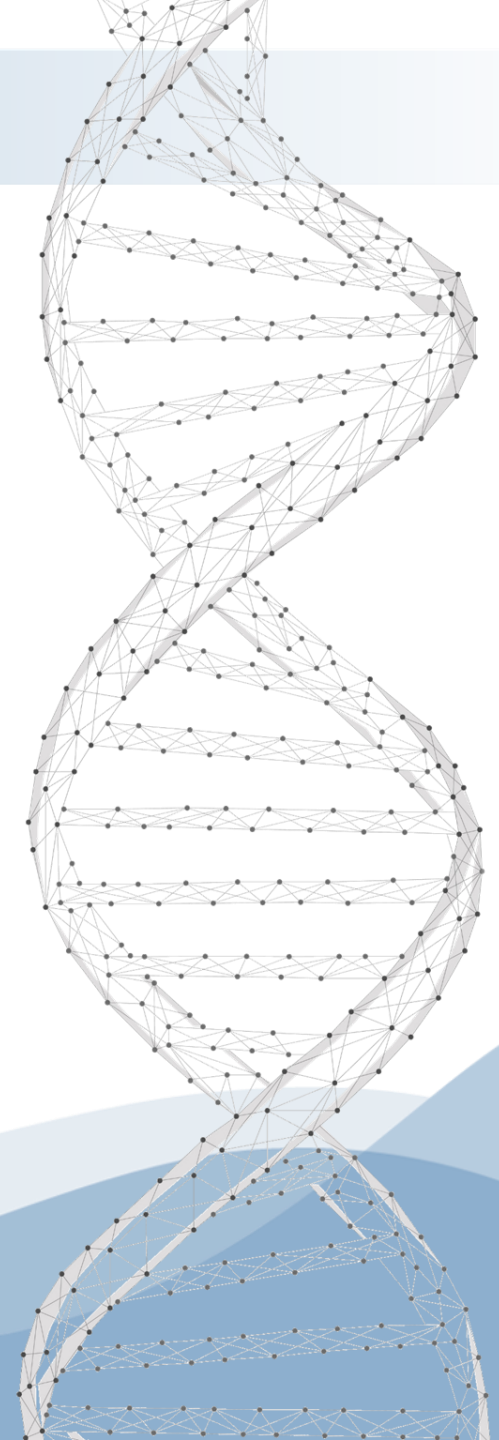
Immediate lifting, anti wrinkle and elasticity enhance- Film forming

COSMECEUTICALS

UV damage repair, soothing by immune system modulation, epidermal and mucosal regeneration
(gynecological/mouth/hair care, reepithelizing treatments, scars and wound healing etc)

MEDICAL DEVICE APPLICATION

Anti-wrinkle Filler, EU *Class 3 medical device* approved



COSMETICS ANTI-AGEING



SODIUM DNA BENEFITS FOR ANTI-AGEING

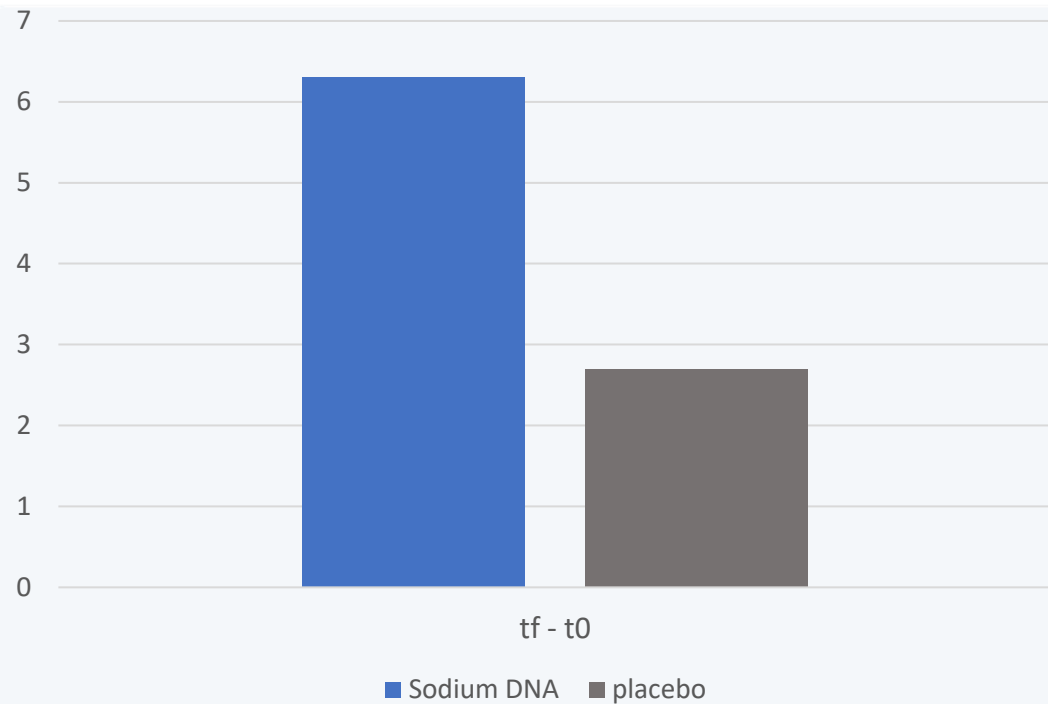
Sodium DNA's double helix deposition on the epidermis promotes a **unique tensor effect**, with immediate perception of **skin lifting and wrinkle appearance reduction**

Sodium DNA interacts with high affinity with multiple nucleotide targets (TLR-9 receptors on the epidermis, fibroblasts A_{2A} receptor when its nucleotides are internalized), promoting ubiquitous **regeneration of unbalanced epidermis and dermis components**



IN VIVO TEST

Delta change of wrinkle decrease (mm)



ANTI-WRINKLE

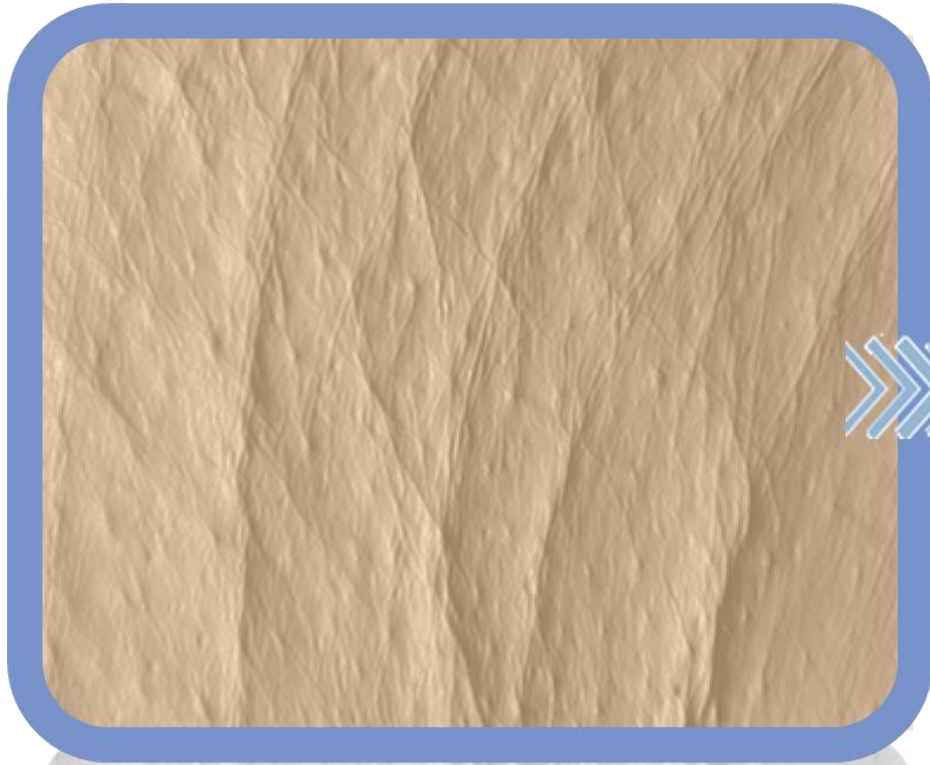
Sodium DNA, provides a delta decrease of skin wrinkle depth + **135%** than the delta decrease of placebo

Skin wrinkles were measured on skin imprints prepared with a quick hardening resin and image analysis of skin replicas



IN VIVO TEST

ANTI-WRINKLE ACTION



BEFORE (week #0)

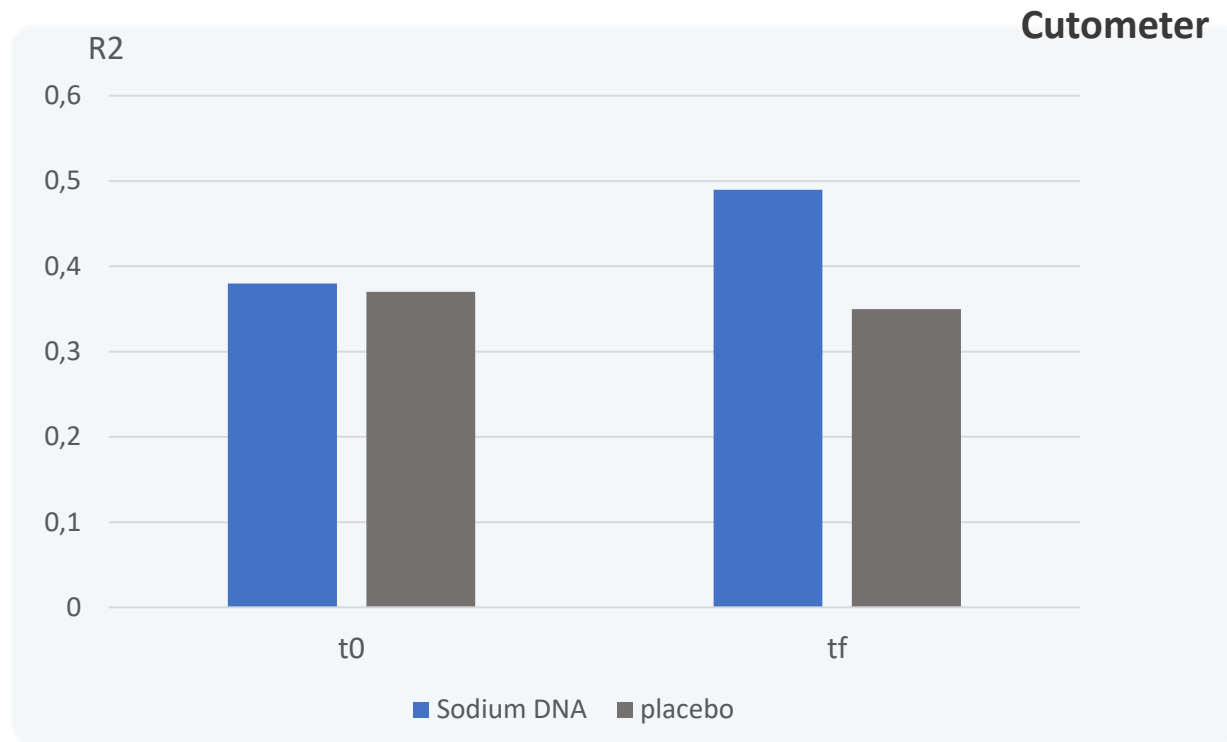


AFTER (week #8)

Eye
contour
area



IN VIVO TEST



SKIN ELASTICITY

Sodium DNA, increases R2 parameter (overall elasticity, measured by cutometer) **+26% compared to the beginning of the treatment**

Skin elasticity depends on the efficiency of the dermal elastin and collagen fibers to respond to skin deformation



Claims

- Immediate and long term wrinkle lifting effect
- Regeneration of dermis framework
- Fibroblasts and stem cells proliferation increase
- Skin replumping and thickness increase
- Elasticity enhance
- Collagen production increase
- Stretch mark and scars treatment
- Skin UV damage repair
- Anti-pollution
- Riepithelizing treatments on damaged skin and mucosa
- Ubiquitous soothing and anti-inflammatory action through immune system modulatory activity



COSMETICS APPLICATIONS

HIGH END ANTI-AGEING

Broad spectrum anti-ageing treatments (anti-wrinkle, lifting treatments, skin barrier and dermal framework restoring, skin elasticizing)

Ideal for serums, creams, gels, vials/ampoules



COSMECEUTICAL APPLICATIONS

SKIN & MUCOSA REPAIRING PRODUCTS

Ideal for anti stretch mark treatments, treatment of scars related to wounds, acne, bedsores, skin reepithelizing treatments, sunburn and burn treatments, psoriasis support treatment (specific tests available on demand)

Ideal for any kind of formulation including the presence of water



COSMECEUTICAL APPLICATIONS

ORAL CARE TREATMENTS



Ideal for soothing treatments on irritated oral mucosa, regeneration of damaged tissue in periodontal disease, gingivitis treatments, mucosal reepithelization

Ideal for toothpaste, mouthwashes, adhesive gels etc.



COSMECEUTICAL APPLICATIONS



ADDITIONAL TREATMENTS

Anti hair loss treatments to increase hair follicle vitality

Gynecological applications aimed to restore local homeostasis (local microbiota regularization, regeneration of damaged and eroded mucosa, reepithelizing and normalizing treatments)

