

BEAUTY

Nourish sensitive skin, defy aging

Zenerity[™]

biotech ingredient

Minimized inflammation *in vitro*, even under metabolic stress

Inhibiting garb-aging and anti-glycation effect Calming sensitive skin for a youthful and healthy appearance

Hydrobiome-derived ingredient from a thermal spring in Italy that helps counteract skin inflammation caused by external stress, aging, and an unhealthy diet. Leaving even the most sensitive skin calmed, soothed, healthy, luminous and younger looking.

COMMERCIAL SOLUTION: Light yellow to yellow transparent solution containing 0.5% Bacillus Ferment.

INGREDIENT NAME: Glycerin, Water (Aqua), Bacillus Ferment.

USE LEVEL: 2%

SOLUBILITY: Water soluble.

SUSTAINABILITY:



Naturality according to ISO16128 100% natural origin content

You know the destination WE'LL HELP YOU REACH IT SUSTAINABLY

SCIENCE

Inflammation is a hallmark of sensitive skin, which can be attributed to various factors. External stressors and metabolic stress, arising from an unhealthy diet high in fat and sugars, trigger the release of stressorins by skin cells. These stressorins stimulate the secretion of pro-inflammatory cytokines and amplify the inflammatory response. Metabolic stress, in conjunction with the aging process, also leads to the accumulation of advanced glycation end products (AGEs) and the buildup of cellular waste, also known as garb-aging. Lipofuscin, a major component of this waste, is associated with the formation of dark spots.

ZenerityTM biotech ingredient showed *in vitro* to counteract skin inflammation and the garb-aging process induced by metabolic stress and aging. When tested in volunteers, it helped soothe sensitive skin, while leaving it looking more luminous, healthier and younger. These positive effects, as well as wellbeing benefits, were observed even when individuals were following an unhealthy diet.





Minimized skin

in vitro

anti-glycation effect



IN VIVO EFFICACY

YOUTHFUL-LOOKING SENSITIVE SKIN

35 female and male volunteers of Asian descent with sensitive skin applied a cream with 2% Zenerity[™] biotech ingredient or a placebo cream, half face and on the forearms, twice a day for 28 days.

• Anti-glycation effect

The accumulation of AGEs on the skin was evaluated through an AGEs reader on the forearm. The yellow color of the skin was evaluated on the cheek through the b* parameter by spectrophotometry.





TAKING CARE OF SENSITIVE AND UNHEALTHY SKIN

83 female and male volunteers of Caucasian or Latin American descent, with sensitive skin and with either a healthy or an unhealthy diet, applied a cream with 2% Zenerity™ biotech ingredient or a placebo cream on the whole face, twice a day for 28 days.

Immediate redness reduction

Skin redness was evaluated before and after 30 minutes of a single product application by means of image analysis applying a redness filter.

• Reduced number of dark spots

The number of dark spots was evaluated through image analysis from cross-polarized images, after applying a specific filter.

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Improved skin redness, hydration, roughness, luminosity and dark spots

Decreased accumulation of AGEs for a less sallow appearance

Best rejuvenating results for the unhealthy diet group, whose skin is in greater need of care.

Up to 15.1% skin redness reduction after only 30 min

More even skin tone



Initial time After 30 min