



NEPHORIA® BC 10044

The natural youth booster

Innovation is not just about science, but also about improving the way to develop ingredients and offering products to answer a responsible way to consume. BASF initiated the exploration of rambutan tree's various cosmetic properties, with the ambition to ensure a sustainable use of the resource and generate a positive impact on the supply chain development. Based on the rambutan resource (*Nephelium lappaceum*), BASF developed three new bioactives. Nephoria™ is an extract of the evergreen rambutan leaves. Through its action on several major biological targets involved in collagen synthesis and elastic fiber assembly, Nephoria™ stimulates both collagen and elastic fibers formation, increasing skin elasticity and reducing wrinkles appearance to help the skin look visibly younger.

Product Description

Extract from the leaves of sustainable sourced Rambutan

Consumer Benefits

Wrinkle reduction

Firming

Elasticity increase

Retinol-like

Properties

Helps mature skin to rejuvenate through biological pathways like those of retinol. Stimulates both collagen and elastic fibers formation, increasing skin elasticity and reducing wrinkles appearance.



In Vivo

Anti-wrinkle effect

Skin elasticity increase

In Vitro / In Tubo

Synthesis stimulation of collagen I and its assembly partners P4HA1 and P4HA2

Synthesis stimulation of elastin and its assembly partners emilin-1, fibulin-5 and MFAP4 (involved in microfibril assembly)

Inhibition of CCN1 release (down-regulator of collagen homeostasis)

Collagen network strengthening

Clinical Study Results

Age of Volunteers: Volunteer panel >55

Results Time Scale: 4 weeks

Tested Skin Area: Cheeks, Face, Temples

Scientific Concept

Gene regulation

Target Molecules in the Skin

Dermal extracellular matrix (ECM) components

Elastin

Dermis components

Collagen

Nature of Active

Active Substance / Technology: Plant Extract, Polyphenols

Compliance: Listed in IECIC

Tested Skin Area: Cosmos approved

Geography: Asia

Origin: Super food, Fruits, Vegan, Sustainable sourced, Edible raw material basis, Trees, Leaf extracts

Special Formulation Features: Low pH tolerant

Preservatives

None



Solubility

Water-soluble

Recommended dose of use

0.05-0.1%

INCI

Maltodextrin (and) Nephelium Lappaceum Leaf Extract

Form of Delivery

Powder