



hermes consilium



portfolio.

clinically
supported
ingredients



ZINCNOVA™

microcapsules

stable and tasteless source of zinc, with microencapsulated zinc oxide

- **supplier**
Lipofoods
- **product grade**
powder suitable for functional foods and dietary supplements
- **daily dose**
Recommended Daily Allowance (RDA) for zinc in the European Union is 10 mg
- **stability**
48 months shelf life



INDICATIONS

IMMUNE SUPPORT
ANTI-OXIDATIVE SUPPORT
EYE HEALTH
FERTILITY
SKIN HEALTH & BEAUTY

advantages:

- **controlled interactions** with other components in the formulation
- **no grainy texture**
- **reduced metallic taste**
- **effective release** in the stomach



mechanisms of action:

- **normal cognitive** function
- **normal fertility** and reproduction
- **maintenance** of normal bones, hair, nails, and skin
- **maintenance of normal testosterone levels** in the blood
- **maintenance of normal vision**
- **normal function** of the immune system
- **protection** of cells from oxidative stress
- **has a role** in the process of cell division

CURCUSHINE™
microcapsules

microencapsulated curcumin for anti-ageing
protection of the skin from within

- **supplier**
Lipofoods
- **product grade**
powder suitable for dietary supplements,
functional beverages and nutricosmetics
- **daily dose**
from 500 mg
- **stability**
24 months shelf life
- **certificates**
Halal, Kosher



INDICATIONS

SKIN HEALTH & BEAUTY
HEALTHY AGEING

advantages:

- **curcumin is a potent antioxidant** with anti-inflammatory activity
- **microcapsule delivery system**
- **improved absorption and bioavailability** compared to regular curcumin
- **high solubility** in water
- **protects collagen from oxidative stress** to slow the process of skin ageing
- **targets advanced glycation end products (AGEs)**, which are involved in the damage of collagen in the skin, resulting in stiffness and loss of elasticity

mechanisms of action:

- **antioxidant and anti-inflammatory properties** – skin ageing is associated with oxidative stress and inflammation
- **reduces reactive oxygen species (ROS)**
- **helps to diminish the effect of AGEs** in tissues including skin
- **AGEs are proteins or lipids that become glycated as a result of exposure to sugars** – they have pro-inflammatory action and are markers of aging and many degenerative diseases
- **AGEs are involved in connective tissue damage** by cross-linking collagen fibril which decreases elasticity

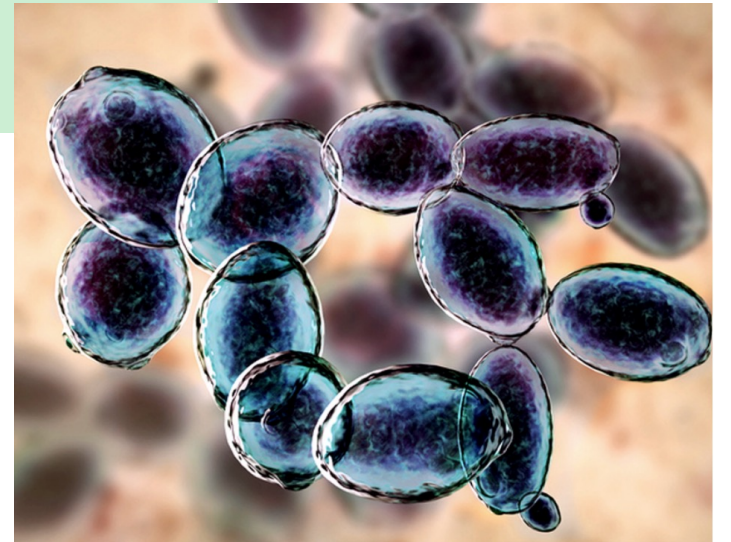


Lynside® Forte

a range of inactive dried yeast (*Saccharomyces cerevisiae*), enriched with vitamins (B complex) or minerals like selenium, zinc, chromium

Lynside® Forte Se+ 2000

- organically bound selenium (Se) – Se is incorporated during fermentation process directly into the yeast to be transformed into its organic form: selenomethionine
- 2-times higher bioavailability than inorganic selenium
- provides 2,000-2,400 µg/g selenium
- **indications: beauty, immunity, thyroid support, anti-aging, fertility, women's health**



Lynside® Forte Zn

- nutritional yeast fortified with zinc (Zn)
- high bioavailability compared to other common zinc sources
- in addition to zinc, this fortified yeast also provides vitamins, proteins, minerals, fibers, β -glucans, and more nutrients that contribute to overall wellness
- provides 100,000-120,000 $\mu\text{g/g}$ zinc
- **indications: immunity, beauty, fertility, eye health, antioxidative support**





INDICATIONS

EYE HEALTH
COGNITIVE HEALTH
SKIN HEALTH & BEAUTY

naturally derived marigold extract, containing a unique combination of all three macular carotenoids: lutein, zeaxanthin, and meso-zeaxanthin

- **supplier**

OmniActive

- **product grade**

powder suitable for gummies, chewables, bars, powders, stick packs, capsules, tablets

- **daily dose**

10 mg of lutein + 2 mg of zeaxanthin (50-200mg of Lutemax, depending on grade)

- **stability**

24 months shelf life

- **certificates**

non-GMO Project verified, clean label, Vegetarian, Vegan, Kosher, Halal, FDA-notified GRAS

advantages:

- **multiple grades** and concentrations available
- **patented composition and unique delivery system**
powder grade with beadlets improves stability, dispersibility and bioavailability
- **5:1 ratio** of lutein and zeaxanthin isomers, as found in nature
- **higher levels of lutein and zeaxanthin isomers**
compared to most commercial forms
- **proven bioavailability**
of lutein and zeaxanthin and deposition in the eye
- **backed by multiple clinical studies**
supporting eye health, cognitive performance, reduced stress, sleep quality, and skin health
- **increased macular pigment optical density (MPOD)**
in just 8-weeks



awards:

- **winner of the 2018 NutrAward** Best Functional Ingredient
- **2017 North American Product Leadership Award** presented by Frost & Sullivan

mechanisms of action:

eye health:

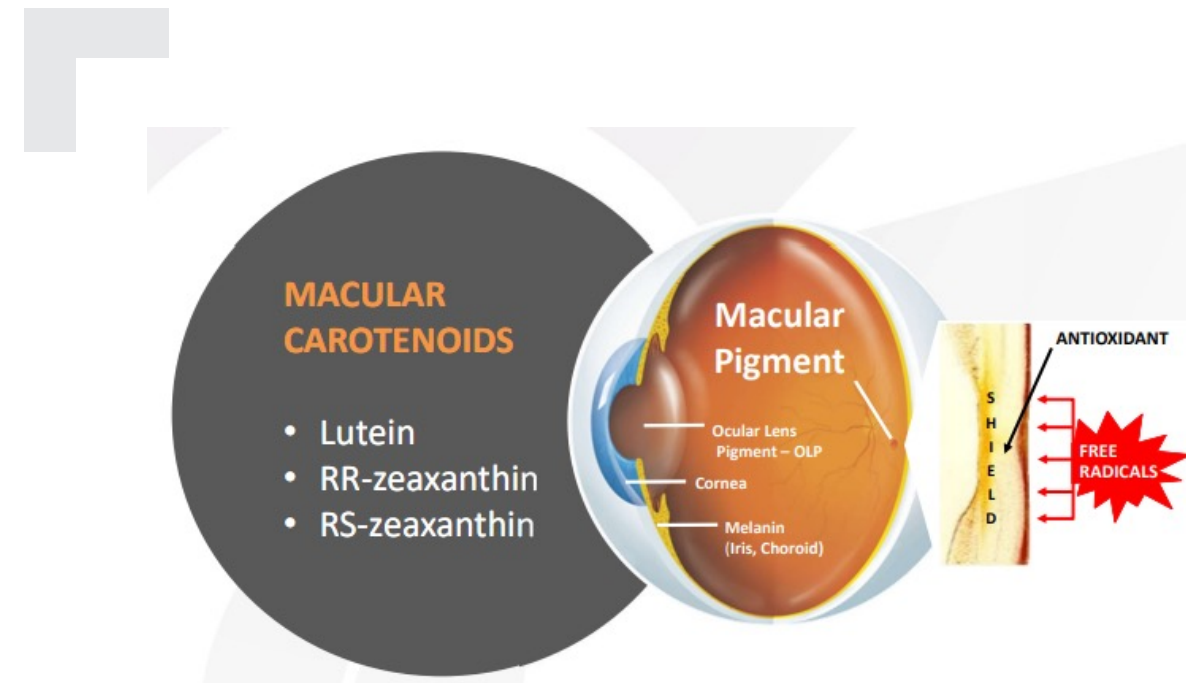
- **increasing macular pigment optical density (MPOD)**, a protective layer in the retina (macula) of the eye, filtering high-energy blue light
- **antioxidant action**
protection against oxidative stress
- **improvement of visual parameters**
glare performance, photo-stress recovery, contrast sensitivity
- **improvement of physical symptoms of high screen time**
eye strain, eye fatigue, headache, sleep quality

skin health:

- **antioxidant and anti-inflammatory action,**
- **protection against photooxidative damage**

cognitive support:

- **increased antioxidant and anti-inflammatory action**
- **increased brain-derived neurotrophic factor BDNF**
protein in central nervous system involved in learning and memory)



clinical studies:

eye health:

- Juturu et al., 2016: Bioavailability of lutein/zeaxanthin isomers and macular pigment optical density response to macular carotenoid supplementation: A randomized double blind placebo controlled study
- Stringham et al., 2016: Serum and retinal responses to three different doses of macular carotenoids over 12 weeks of supplementation
- Stringham et al., 2016: Contrast sensitivity and lateral inhibition are enhanced with macular carotenoid supplementation
- Stringham et al., 2016: Macular carotenoid supplementation improves disability glare performance and dynamics of photostress recovery
- Stringham et al., 2017: Macular carotenoid supplementation improves visual performance, sleep quality, and adverse physical symptoms in those with high screen time exposure

stress management:

- Stringham et al., 2017: Supplementation with macular carotenoids reduces psychological stress, serum cortisol, and sub-optimal symptoms of physical and emotional health in young adults

cognitive support:

- Stringham et al., 2019: Effects of macular xanthophyll supplementation on brain-derived neurotrophic factor, pro-inflammatory cytokines, and cognitive performance

skin health:

- Juturu et al., 2016: Overall skin tone and skin-lightening-improving effects with oral supplementation of lutein and zeaxanthin isomers: a double-blind, placebo-controlled clinical trial

product examples





INDICATIONS
JOINT HEALTH
SKIN HEALTH & BEAUTY



hydrolyzed marine collagen from fish cartilage for joint health and skin support with a synergetic action of its components

- **supplier**
Abyss Ingredients
- **product grade**
powder suitable for tablets, capsules, sticks, liquid, soft gels and liquid form which needs to be shaken)
- **daily dose**
1g
- **stability**
36 months shelf life
- **certificates**
Halal

advantages:

- **synergistic action of collagen proteins (type II)** and glycosaminoglycans (chondroitin sulfate, glucosamine sulfate, hyaluronic acid).
- **highly digestible** low molecular weight peptides
- **gentle eco-friendly** water extraction
- **synergetic effects** for joint health
- **supported by clinical** and pre-clinical evidence

mechanisms of action:

- **collagen hydrolysate is absorbed intestinally** and accumulated in the cartilage
- **components provide structural molecules** and can stimulate the production of own collagen for healthy joints and skin
- **pain reduction** and mobility improvement



clinical studies:

- **Maia Campos et al., 2021. Oral supplementation with hydrolyzed fish cartilage improves the morphological and structural characteristics of the skin: a double-blind, placebo-controlled clinical study**
- **internal study: Clinical study in adult population with moderate knee joint discomfort and loss of functionality** (an exploratory, non-comparative, multi-centric trial): Cartidyss® significantly improves global knee function, reduces joint discomfort, has a significant impact on quality of life

pre-clinical study:

- **Henrotin et al., 2021: Oral supplementation with fish cartilage hydrolysate accelerates joint function recovery in rat model of traumatic knee osteoarthritis**



product examples





marine collagen hydrolysate from fish skin for healthy skin and joint support

- **supplier**
Abyss Ingredients
- **product grade**
powder suitable for capsules, tablets, soft gels and sachets, as a gel-form for beverages, ampoules or syrups
- **daily dose**
5-10 g
- **stability**
36 months shelf life
- **certificates**
Halal



INDICATIONS
JOINT HEALTH
SKIN HEALTH & BEAUTY

advantages:

- **>90% collagen peptides**
- **highly digestible** collagen type I peptides
- **low molecular weight** of peptides enables higher digestibility
- **sustainable collagen** from environmentally friendly process
- **marine alternative** to bovine, porcine or chicken collagen

mechanisms of action:

- **hydrolysate is quickly absorbed** after oral ingestion
- **collagen peptides promote the synthesis of collagen** and elastin and stimulate fibroblast cells
- **collagen hydrolysates** were shown to have anti-inflammatory and antioxidant activity



product examples





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