



**Cosmetics Acceptable Even for
the Most Sensitive Skin -
Designed for Longevity in Every
Dimension, Crafted Differently by**

LABRAINS

ABOUT ME

Dr.oec., chem. Līga Brūniņa

Founder of LABRAINS

Member of MoE Council

Chairman: Association
Baltic Coasts

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BEFORE



AFTER

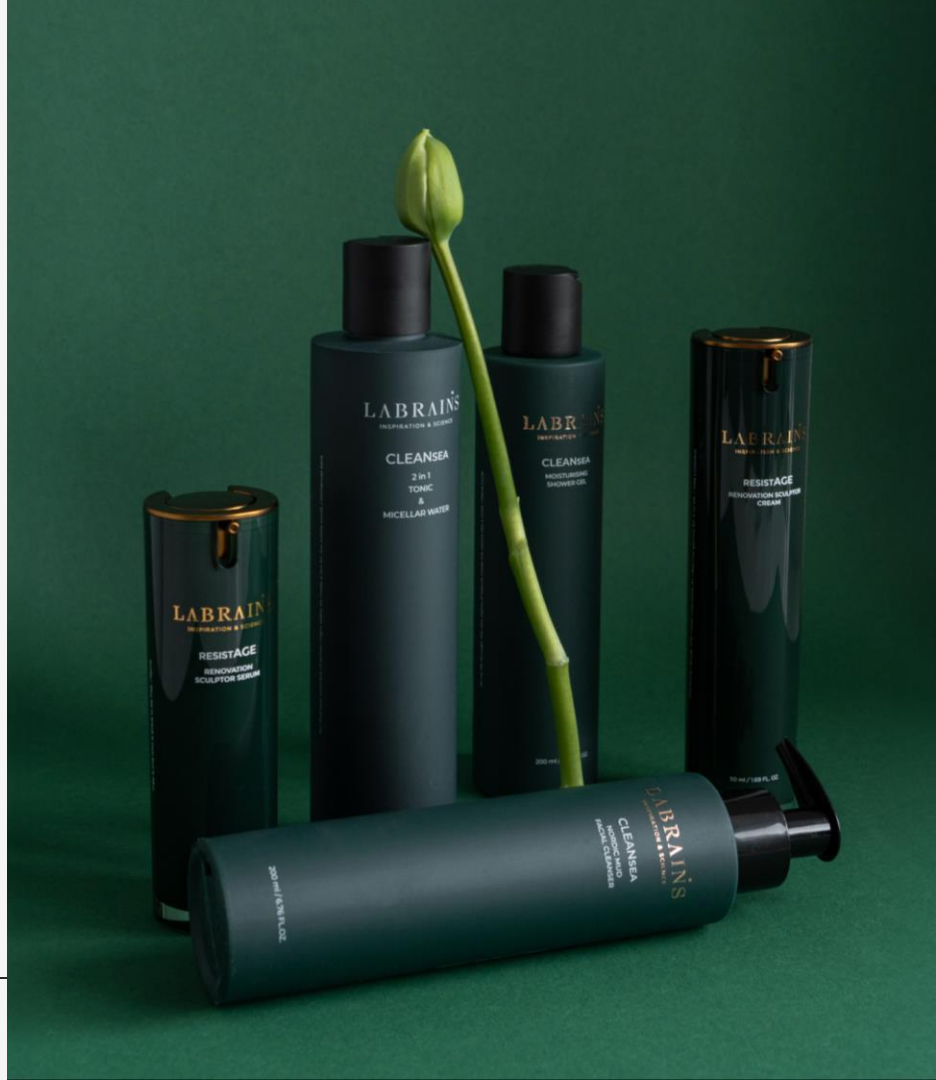


ABOUT LABRAINS

As organic cosmetic manufacturer from Northern Europe, we are a **flagship for a new standard in cosmetics.**

Our products are rooted in a scientific approach and backed by clinical tests, working to **improve long-term skin health** by strengthening the skin's natural immunity and boosting mitochondria.

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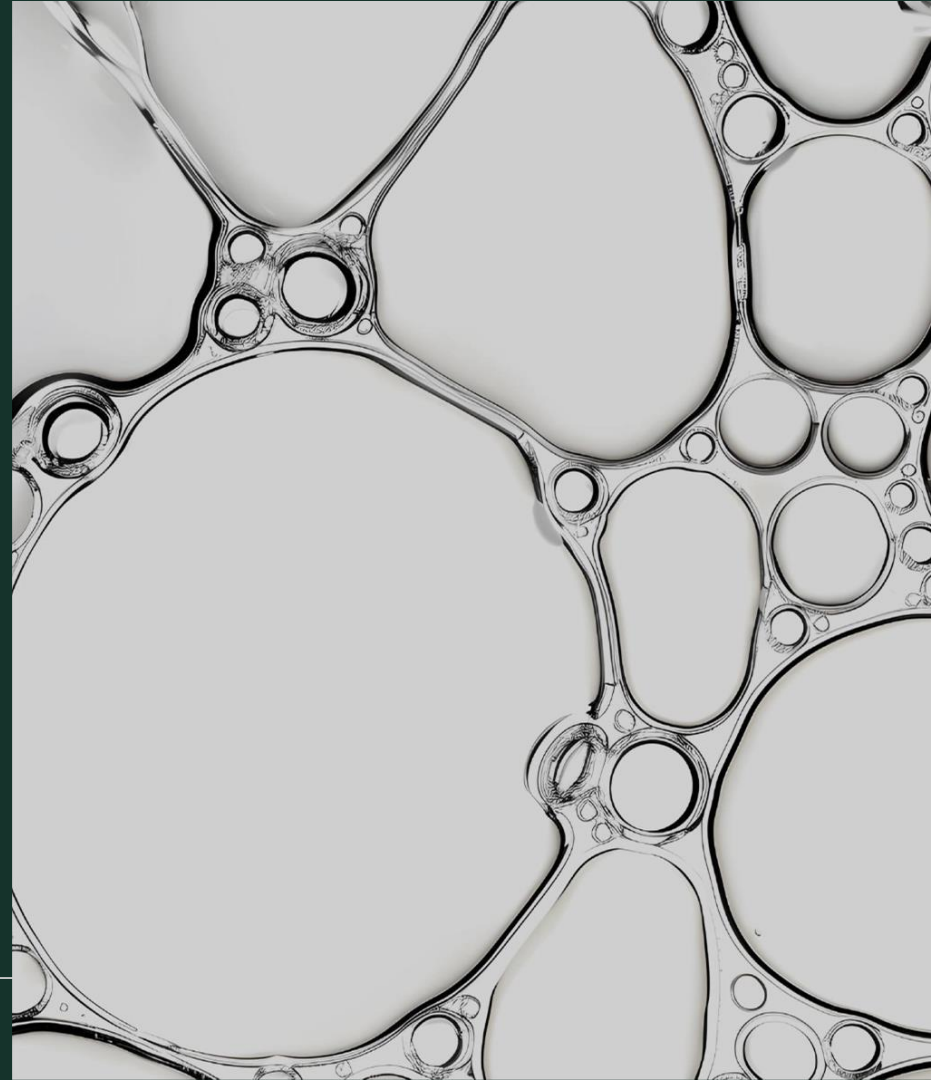


COSMETICS DONE DIFFERENTLY

Prioritizing long-term skin health, rather than just quick gains, requires a **deep dive into science**.

This includes:

- Unique formulas
- Maximising the effectiveness of each ingredient
- Avoiding of all traditional preservatives (even natural), synthetics, allergens (Listed: EU Cosmetics regula)





TARGETED SOLUTIONS

We see the beauty and potential in every skin problem. Our tailored solutions target each challenge and provide a complete care package.

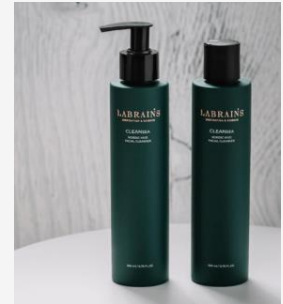
PREMIUM AGEING PRODUCTS



DERMA COSMETICS FOR ACNE, DERMATITIS, AND ROSACEA



EVERY-DAY CARE PRODUCTS FOR WHOLE FAMILY



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PREMIUM AGEING PRODUCTS



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DERMA COSMETICS FOR ACNE, DERMATITIS, AND ROSACEA



PRODUCTS FOR POST-AESTHETIC PROCEDURES



TARGETED SOLUTIONS

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SUSTAINABLE APPROACH

Maximising effectiveness of natural ingredients

Nature-friendly packaging

Human and planet's longevity in mind





Most cosmetics are dangerous –
not just for your skin, but for your
health.

We're here to change that.

LABRAINS uses no dangerous
substances, no fillers, and no irritants.

Forest derived:

Replacement of silicones

Bio-Actives

Anti-microbial ingredients

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SKIN HEALTH CRITERIA



Microbiota

Microbiota – all living organisms in and on our body

Microbiome – all bacteria



pH

Acidity level



Skin barrier protection

Stratum corneum –
barrier strength,
homogeneity

READY FOR EXAMPLES?

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P2 Science: Citropol- Silicone alternatives

Elegant plant-based chemistry from pine trees

Upcycled terpenes sourced from responsibly managed pine forests as a byproduct of the pulp and paper industry are the main feedstock for Citropol polymers.

Citropol polymers function as emollients in cosmetic and personal care applications, displacing silicones, which are heavily polluting, and other biobased emollients. These biobased alternatives are often derived from palm or coconut oil, which contribute to deforestation and habitat loss. Citropol introduces a new, sustainable feedstock to the value chain.

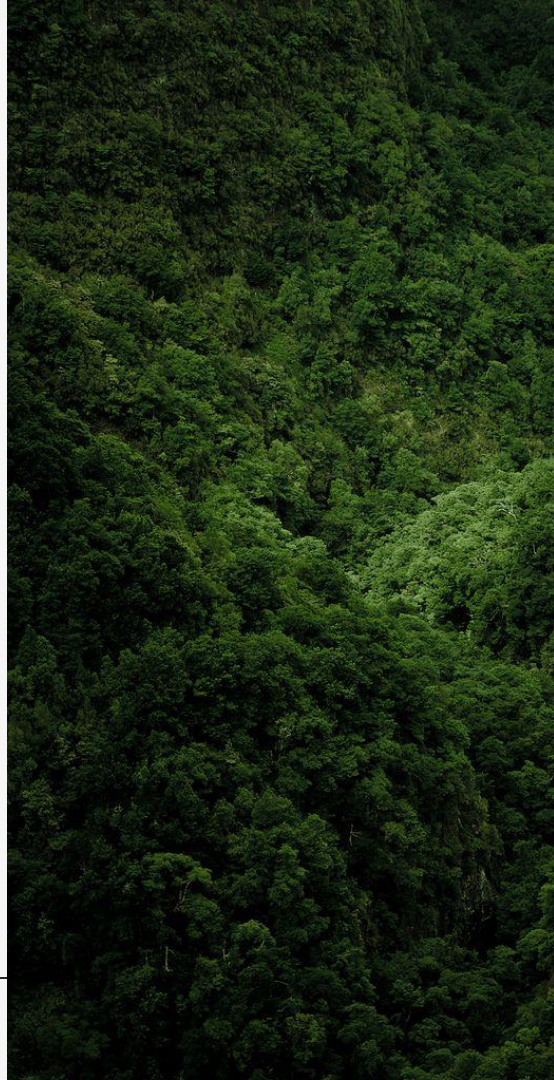


Mibelle Biochemistry: MossCellTech

Enhances cell nucleus function pine forests for resilient skin

Phytol has been developed from an extract of the cells of the *Physcomitrella patens* moss. It is the first active ingredient on the market that is based on biotechnologically produced moss which is obtained in a reproducible and sustainable way by tissue culture.

MossCellTec™ No. 1 helps the skin to adapt to fast climatic changes. This results in a significant increase in skin hydration, homogeneity and barrier function despite changing climatic conditions in just two weeks, as well as a reduction in wrinkle depth after just four weeks.



Hinokitiol – Thuja extract

Natural hinokitiol is extracted from sawdust of *Thujopsis dolobrata* (Thumb. Ex L.f)), named « Tree of life » for its incredible lifespan and resilience against the environment aggression.

- Anti-ageing - Hinokitiol has a dose-dependent effect in the reduction of MMP-1 ; an enzyme implicated in the destruction of collagen
- Anti-bacterial and Anti-inflammatory - has a strong inhibitory property on *P. acnes*



Vaccinium Macrocarpon seed oil

- Rich in omega-3, -6, -9: restores skin barrier and improves elasticity
- High in antioxidants (vitamin E, tocotrienols): protects against photoaging
- Balances sebum: suitable for both dry and oily/combination skin
- Anti-inflammatory: calms redness, acne-prone and sensitive skin
- Fast-absorbing, non-greasy: improves texture and sensorial profile
- Boosts hydration: supports ceramide synthesis and moisture retention



Juniperus callus extract – Alternative plants

In vitro efficacy data: anti-oxidative activity, promotes collagen expression, photoprotective activity, anti-inflammatory and anti-senescence activity

- Reduces UV-induced cellular senescence in dermal cells (in vitro test in dermal fibroblasts)
- Stimulates collagen gene expression (in vitro test in dermal fibroblasts)
- Reduces skin inflammation caused by pathogenic bacteria (in vitro test in keratinocytes)



Rasa Botanicals: Heather extract

Heather is rich in phenolic glycosides, tannins, flavonoids, quercitrin, coumarins, polysaccharides, organic acids, and minerals. It has:

High anti-radical, anti-inflammatory, and cell-protective activity thanks to its high flavonoid concentration.

Astringent, soothing, and mildly brightening effect.

Reduces puffiness and under-eye bags

Anti-inflammatory, anti-aging, and antibacterial action.

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Helps reduce symptoms of seborrheic dermatitis.



Mushrooms extracts:

Adaptogens;

Anti-oxidants;

Aminoacids;

Beta-glucan;

- Examples: Chaga (*Inonotus obliquus*), a mushroom found on birch trees, has long been used in traditional medicine for its many benefits: vitality; anti-inflammatory and microbiome (Finland forests collected - Seppic)



Betulin – Latvijas Finieris

Birch bark extract is a light brown crystalline powder containing triterpenoids and phenol-containing components, including tannins, sugars, etc.

The most significant mass composes three lupane- type pentacyclic triterpenes: betulin, betulinic acid and lupeol.

Its natural antioxidant, anti-inflammatory, wound healing and antimicrobial properties assure effective and fast results in cosmetics where it is added. Due to big tannin content, birch bark extract is a potential natural source of antimicrobial and antifungal agents.



POTENTIALLY HARMFUL INGREDIENTS IN SKINCARE TO AVOID

Avoid these permitted, but potentially harmful and irritating ingredients if you have sensitive or problematic skin, or during pregnancy:

- Benzyl alcohol;
- Sodium benzoate;
- Potassium sorbate;
- Benzoic acid;
- Dehydroacetic acid;
- Alcohol (Ethyl alcohol);
- Sorbic acid;
- Glycols (Propandiol, Pentylene glycol, Propylene glycol, Butylene glycol);
- PEGs;
- Glyceryl caprylate;
- Ethylhexylglycerine;
- Silicones (mostly: Dimethicone, Cyclopentasiloxane, -siloxane);
- Acryls (many forms exist);
- EDTA, BHA & BHT;
- Carbomer;
- Phenoxyethanol;
- Mineral oil (Paraffin, Petrolatum);
- Sulfates (many forms: SLS, SSLE, Sodium-coco-sulfate);
- Parabens (many forms);
- Limonene, Linalool, Geraniol, Citral, Eugenol, Coumarin etc. – essential oils and allergens.



This is our promise, **my promise** to
every client of LABRAINS –
You are finally in safe hands!

Līga Brūniņa,
chemist and founder of LABRAINS

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