



## FermaBright Complex

*Where fermentation science meets botanical intelligence for visibly transformed skin.*

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### Product Overview:

INCI Name: *Saccharomyces* Ferment (and) *Vitis Vinifera* fruit and seed extract (and) Arginine (and) Alpha arbutin (and) Phenoxyethanol (and) Ethylhexylglycerin.

Form: Water-soluble liquid

**Applications: Anti-Aging • Skin Hydration • Anti-Wrinkle • Anti-Inflammation**

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### Product Concept:

**FermaBright Complex** is an advanced multifunctional active blend formulated to deliver visible skin brightening, renewal, and anti-ageing benefits. This synergistic complex combines bioactive *Saccharomyces* ferment, potent antioxidant-rich *Vitis Vinifera* extracts, the amino acid arginine, and the skin-brightening agent alpha arbutin. Together, these ingredients enhance skin turnover, improve tone and texture, and protect against environmental stressors for a radiant, even complexion.

Stabilized with a globally accepted **broad-spectrum preservation system**, the complex is suitable for modern cosmetic formulations intended for **daily topical application**.

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### Key Features & Benefits:

Features	Benefits
<b>Skin Renewal &amp; Gentle Exfoliation (<i>Saccharomyces</i> Ferment)</b>	<ul style="list-style-type: none"><li>• Promotes natural desquamation for mild, non-irritating exfoliation</li><li>• Accelerates cell turnover for smoother, revitalized skin</li><li>• Improves skin texture and reduces dullness</li><li>• Supports enzymatic processes for refined skin appearance</li></ul>
<b>Anti-ageing &amp; Antioxidant Defense (<i>Vitis Vinifera</i> Fruit &amp; Seed Extract)</b>	<ul style="list-style-type: none"><li>• Rich in polyphenols, resveratrol, and flavonoids</li><li>• Neutralizes free radicals and reduces oxidative stress</li><li>• Protects against photo-induced skin damage</li></ul>



## Skin Conditioning & Repair (Arginine)

- Acts as a skin-conditioning amino acid
- Enhances hydration and supports moisture retention
- Promotes skin repair and strengthens barrier function
- Improves overall skin softness and resilience

## Brightening & Pigmentation Control (Alpha Arbutin)

- Effectively reduces appearance of dark spots and hyperpigmentation
- Inhibits tyrosinase activity to control melanin synthesis
- Promotes a more even and luminous skin tone
- Suitable for daily use with low irritation potential

## Synergistic Action of the Complex

Skin Benefit	<i>Saccharomyces Ferment</i>	<i>Vitis Vinifera</i> Extract
Cell Renewal & Exfoliation	✓ Primary Action	✓ Supportive
Brightening & Even Tone	✓ Surface Renewal	✓ Tyrosinase Inhibition
Antioxidant Protection	✓ Enzymatic Defence	✓ Polyphenol Shield
Anti-Aging & Firmness	✓ Cellular Energizing	✓ Collagen Stabilization
Barrier & Hydration	✓ Beta-Glucan Support	✓ Anti-inflammatory Calm
Radiance & Luminosity	✓ Desquamation	✓ Resveratrol Glow

### Key Claims:

- Promotes optimized skin cell turnover and desquamation
- Visibly resurfaces and smoothens skin texture
- Brightens and evens skin tone
- Delivers dual-phase antioxidant and anti-aging protection
- Supports collagen integrity and skin firmness
- Calms and soothes sensitized or stressed skin
- Suitable for radiance, renewal, and anti-aging formulations



## ◆ Cosmetic Applications

Product Type	Recommended Usage Level
Anti-Ageing Serums	0.5 – 2.0%
Hydrating Creams / Gels	0.5 – 2.0%
Anti-Wrinkle Eye Creams	1.0 – 2.0%
After-Sun Recovery Products	1.0 – 2.0%

## 🔬 Technical Data

Parameter	Specification
Appearance	Red to amber liquid
Odor	Mild, Characteristic ferment note
Solubility	Water
pH (1% solution)	4.0 – 5.0
Active Components	Polyphenols, Free Amino Acids, Peptides. arginine, alpha arbutin
Shelf Life	24 months (under recommended storage conditions)

## ★ Formulation Compatibility

- Compatible with emulsifiers, humectants, natural oils, UV filters, and most cosmetic actives.
- Suitable for cold and hot process (below 40°C) emulsions.
- Can be incorporated into both leave-on and rinse-off skincare formulations.

## Packaging & Storage

- Available Pack Sizes: 1 kg / 5 kg / 25 kg HDPE containers.



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- Storage Conditions: Store in a cool, dry place (below 30°C), away from light and moisture.
  - Shelf Life: 18 months from date of manufacture (unopened).
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## ✓ Certifications & Claims

- Non-Irritant & Dermatologically Tested
- Paraben-Free, Silicone-Free, Mineral Oil-Free
- GMO-Free & Cruelty-Free
- Biodegradable

