



## MULBERRY WOOD BOTANICAL EXTRACT

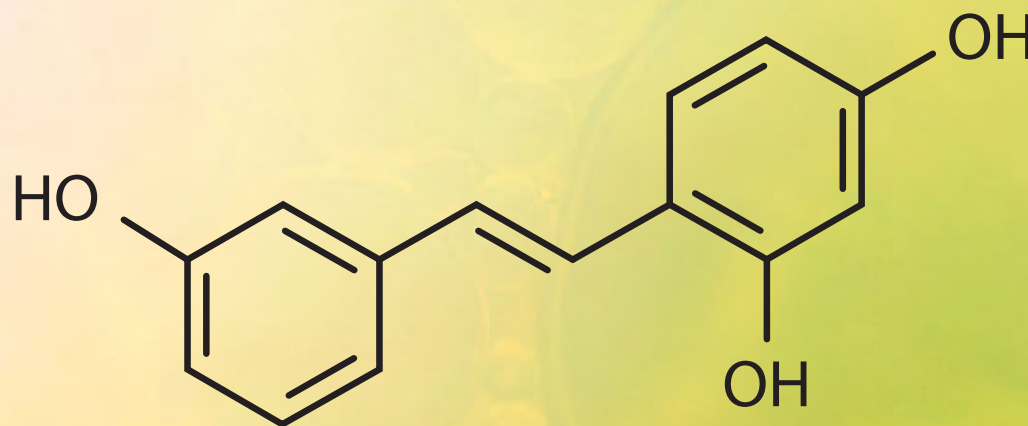
INCI: *MORUS NIGRA* EXTRACT

The mulberry tree is used in sericulture to feed silkworms.

→ The wood is a by-product of this activity, very rich in oxyresveratrol, a polyphenol of interest in many applications.

### BIOCHEMICAL COMPOSITION

- Oxyresveratrol: 23.7 %





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Based on literature review, Mulberry extract could present proprieties of high interest:

- **Antioxidant:** helps to neutralize free radicals and protect the skin from oxidative damage caused by environmental aggressors such as pollution and UV rays.
- **Antimicrobial:** *Morus nigra* extracts have been shown to have antimicrobial activities, which can help to prevent skin infections and keep skin clean and healthy.
- **Skin brightening:** *Morus nigra* extract is often used for its brightening properties. It can inhibit tyrosinase, a key enzyme in melanin production, which helps to reduce the appearance of dark spots and even skin tone.
- **Soothing:** soothes skin irritation and reduce redness and swelling.
- **Moisturizing and nourishing:** contains nutrients that can help to hydrate and nourish the skin, helping to maintain its elasticity and softness.
- **Anti-aging:** with its antioxidant and anti-inflammatory properties, *Morus nigra* extract can help to prevent signs of premature skin aging, such as fine lines and wrinkles, protecting the skin from free radical damage and improving cell regeneration.





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### REGULATION

INCI .....	<i>Morus Nigra</i> extract
Origin .....	France, by-product
Preservation .....	Preservative free
Certification .....	Cosmos approbation on demand
Natural index origin (ISO 16128) .....	100.0 %

### TECHNICAL

Appearance .....	Limpid yellow liquid
Solubility .....	Water soluble
Recommended dosage .....	0.5 % - 5.0 %
Leads compounds .....	Oxyresveratrol 23.7 %

### APPLICATIONS

- Based on litterature review: Mulberry botanical extract can be used as a highly effective antimicrobial preservative and can thus replace synthetic preservatives currently decried for their proven and/or supposed toxicities.

