



 **indena**[®]
INDUSTRIA
DERIVATI
NATURALI

HEALTH - FOOD

OPEXTAN[®]

OLIVE FRUIT EXTRACT



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WHAT IS OPEXTAN®?

OPEXTAN® is a **non-caloric** standardized olive extract from the **olive pulp of a specific Italian tree variety**.

In addition to polyphenols like hydroxytyrosol, tyrosol and isoacteoside, the characteristic phytonutrient of OPEXTAN® is **verbascoside**, which has been shown to be **the most potent antioxidant from the olive tree**.¹

OPEXTAN® has been proven to have a **remarkable lipid peroxidation inhibition capability to support healthy skin as well as helping support healthy blood sugar metabolism**.

SPECIFICATIONS

OPEXTAN® is double standardized in polyphenols and verbascoside:

- ≥ 10.0% of total polyphenols
- ≥ 2.0% ≤ 3.5% of verbascoside,
- ≥ 4.5% of hydroxytyrosol and its derivatives

RECOMMENDED USE AND DOSE

OPEXTAN® is a light brown powder and can be taken orally or used topically.

- Oral dose: 100-400 mg/day
- Topical dose: 0.5-2%

SCIENTIFIC EVIDENCE

OPEXTAN® is supported by pilot human trials confirming its efficacy. In addition, Indena has performed pharmacological tests supporting its safety and efficacy.

TRADEMARKS

OPEXTAN® is a trademark of Indena S.p.A. and its logo and usage guidelines are available from Indena.

References

- ¹Obied H.K., *et al.*, *Chem Res Toxicol* Jan 22(1): 227-34 (2009).
- ²Maramaldi G., *et al.*, *Cosmetic Technology* 9 (5), 9-13 (2006).
- ³Maramaldi G., *et al.*, *L'Integratore Nutrizionale* 9 (3), 23-29 (2006).
- ⁴Keiko Suzuki *et al.*, *Off. J. of Japan Soc. of Ningen Dock* 2011 25:825-830.

WHAT MAKES OPEXTAN® UNIQUE?

OPEXTAN® is a standardized olive fruit extract for **skin-health** supplements and for **managing lipid peroxidation**:

- OPEXTAN® is an olive pulp extract (**not from olive waste water**) with proven antioxidant capacity
- a **unique polyphenolics compound** characterized by a **high content of verbascoside**, known to have the greatest antioxidant activity of any compound from the olive tree¹
- OPEXTAN® is Halal, Kosher certified and ECOCERT validated

OPEXTAN® is supported by science:

Taken orally, OPEXTAN® has demonstrated:

- skin protective capability^{2,3}
 - **supporting skin health**
 - **reduction of lipid peroxidation**
- healthy blood sugar level metabolism⁴

OPEXTAN® is **water soluble** and can be utilized in numerous applications and formulations:

- **beauty and skin-health supplements**. (tablets, softgels, capsules, sachets, drinks)
- **topical applications**

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