

THE ORIGINAL BILBERRY EXTRACT



**indena**<sup>®</sup>  
INDUSTRIA  
DERIVATI  
NATURALI

HEALTH - FOOD

---

# MIRTOSELECT<sup>®</sup>

BILBERRY EXTRACT

These statements have not been evaluated by the Food and Drug Administration. This product is not intended to diagnose, treat, cure, or prevent any disease.

Please note that the physiological activity of the ingredient described herein is supported by the referenced clinical trial reports. Marketers of finished products containing the ingredient described herein are responsible for determining whether the claims made for such products are lawful and in compliance with the laws of the country in which they will market the products.

**MIRTOSELECT**<sup>™</sup>

## WHAT IS MIRTOSELECT®?

**MIRTOSELECT® is the most studied bilberry extract in the market.** The major applications investigated so far for **MIRTOSELECT®** are in the realms of vascular health and ophthalmology (retinal health), but animal models and pilot clinical studies suggest a broader clinical profile for anthocyanins that encompasses memory improvement, cardiovascular health, metabolic syndrome and overweight.

## SPECIFICATIONS

**MIRTOSELECT®** is characterized by a very specific HPLC profile and is standardized to contain:

≥36% **anthocyanins** (anthocyanosides) by HPLC (equivalent to 25% anthocyanidins by UV)

## RECOMMENDED USE AND DOSE

**MIRTOSELECT®** is a dark red-violet powder and may be utilized in a variety of supplement formulations.

Recommended dose: 160-320 mg/day

## TRADEMARKS

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

## References

- <sup>1</sup> Gizzi C. et al., Eur Rev Med Pharmacol Sci. 2016 Jun;20(11):2418-24
- <sup>2</sup> Kim E.S., J. Korean Ophthal. Soc. 49 [10],1629-1633 2008.
- <sup>3</sup> Kajimoto S., J. New Rem. Clin. 2000, 49, 72-79.
- <sup>4</sup> Campbell, F. M., et al., Obesity facts 2012, 5 [s1] p198.
- <sup>5</sup> Hoggard N. et al., A Journal of Nutritional Science, 2013 vol. 2, e22
- <sup>6</sup> Motohashi N. Occurrences, Structure, Biosynthesis and Health Benefits based on their evidences of medicinal phytochemicals in vegetables and fruits - Volume 5 - 2016
- <sup>7</sup> Riva A., Eur Rev Med Pharmacol Sci. 2017 21:2516-2522
- <sup>8</sup> Mazzolani F. et al., Minerva Oftalmol 2017 June;59(6):533-537

## WHAT MAKES MIRTOSELECT® UNIQUE?

**MIRTOSELECT®** is the authentic bilberry extract obtained from *Vaccinium myrtillus* L. berries:

- authentic bilberry has a **very specific “fingerprint”** identified through HPLC analysis<sup>1,6</sup>
- it contains ≥36% anthocyanins, plus the full range of the non-anthocyanin components, critical for its the efficacy<sup>1,6</sup>

**MIRTOSELECT®** is the only bilberry extract, void of any known side effect, whose properties have been clinically and pharmacologically demonstrated.

The studies have shown:

- improvement of **contrast sensitivity in retinal health**<sup>2</sup>
- attenuation of free radical damage associated with **accommodation** in school children<sup>3</sup>
- to **support healthy blood sugar levels**<sup>4,5</sup>
- to **improve tear secretion in dry eye**<sup>7</sup>
- to **support eye health in retinal challenges**<sup>8</sup>
- **more than 50 positive studies**, including at least 25 controlled or double-blind studies, have validated the efficacy in vascular health of Indena’s bilberry extract

**MIRTOSELECT® IS MANUFACTURED USING ONLY FROZEN *Vaccinium myrtillus* L. BERRIES AND HAS BEEN RECOGNIZED AS THE GOLDEN STANDARD FOR BILBERRY EXTRACTS**

mirtoselect.info



us.indena.com

