

FOR THE REGULATION OF APPETITE
AND HEALTHY BLOOD SUGAR LEVELS



 **indena**[®]
INDUSTRIA
DERIVATI
NATURALI

HEALTH - FOOD

BEANBLOCK[®]

STANDARDIZED BEAN EXTRACT

BEANBLOCK[®] 

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WHAT IS BEANBLOCK®?

BEANBLOCK® is a patented¹ purified bean (*Phaseolus vulgaris* L.) extract.

BEANBLOCK® is obtained from a **single and specific Italian bean variety**.

BEANBLOCK® is standardized in 2 groups of proteins with three different approaches.

SPECIFICATIONS

BEANBLOCK® is **triple standardized**.

- **Enzymatically:** Inhibiting activity U/mg: ≥ 1.100
- **Chemically:** $\geq 6\%$ (HPLC - % w/w) in α -amylase inhibitor protein complex
- **Biologically:** Haemagglutinating activity $\geq 10.000 \leq 30.000$ (HAU/g)

RECOMMENDED USE AND DOSE

BEANBLOCK® may be utilized in a variety of supplement formulations.

Recommended dose:

200 mg/day (100 mg twice a day with meals)

TRADEMARKS

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

References

¹ Patent: WO2007071334

² Fantini et al., *J. Agric. Food Chem.* 57:9316-9323 (2009)

³ Carai et al., *Diabetes Metab. Syn. Obes. Targ. Ther.* 2:145-153 (2009)

⁴ Maccioni et al., *Br. J. Nutr.* 104:624-628 (2010)

⁵ Loi, B., et al., *Fitoterapia* 85: p. 14-9 (2013)

⁶ Carai M. A., et al., *Br. J. Nutr.* 106: 762; (2011)

⁷ Spadafranca, A., et al., *Br. J. Nutr.* 109(10): p. 1789-95 (2013)

WHAT MAKES BEANBLOCK® UNIQUE?

BEANBLOCK® *P. vulgaris* bean extract is supported and proven effective by **extensive preclinical data**.²⁻⁶

Acute oral administration in healthy volunteers⁷ has shown that:

- **BEANBLOCK®** employed as supplement in a mixed Mediterranean balanced meal **positively affected glucose metabolism** in healthy volunteers.
- **BEANBLOCK®** modulates ghrelin secretion and induces a **longer duration of satiety** in healthy volunteers, suggesting a potential use to **control excessive food intake**.



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