UTI MANAGEMENT

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HEALTH - FOOD

ANTHOCRAN® PHYTOSOME™

STANDARDIZED CRANBERRY EXTRACT

ANTHOCRAN® phytosome

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.

WHAT IS ANTHOCRAN® PHYTOSOME™?

ANTHOCRAN® PHYTOSOME is the innovative delivery system **cranberry** (*Vaccinium macrocarpon* Ait.) **extract** formulated with Phytosome™ technology to optimize its bioabsorption and health benefits.

SPECIFICATIONS

ANTHOCRAN® PHYTOSOME™ is standardized to provide **6-9% of proanthocyanidins** (PACs) by spectrophotometry (DMAC method).

SCIENTIFIC EVIDENCE

ANTHOCRAN® PHYTOSOME™ is supported by **two human and one *in vitro* studies** confirming its efficacy in **urinary tract health**.

RECOMMENDED USE AND DOSE

ANTHOCRAN® PHYTOSOME™ is a dark purple powder for use in nutritional supplements.
Recommended dose: 120 mg/day

TRADEMARKS

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

References
[1] Baron, G., *et al., Biochemical pharmacology* 173 (2020): 113726.
[2] Cotellese, R., *et al., Journal of Dietary Supplements* (2021): 1-13. 18.
[3] Bresciani, L., *et al., Food Research International* 141 (2021): 110137.

WHAT MAKES ANTHOCRAN® PHYTOSOME™ UNIQUE?

ANTHOCRAN® PHYTOSOME™ contains not only PACs, but maintains the **full bouquet of polyphenols contained in natural cranberry juice**, acknowledged for its benefits in urinary health.

ANTHOCRAN® PHYTOSOME™ is supported by an **extensive full characterization of its pharmacokinetic profile in human urines**, which are the proper target of *V. macrocarpon* ingredients effective in urinary health:[1]

- **PACs were not detected in urines**, in line with other scientific papers;
- **New metabolites firstly described in human urines (i.e. valerolactones) were detected**;
- Despite the lower content of PACs, urines fractions rich in this new metabolites were **the most active against *Candida albicans* adhesion and biofilm formation**: the innovative formulation **was bioequivalent to unformulated cranberry extract in inhibiting the bacterial proliferation**, proving the favorable effect of Phytosome™ technology on phytoactives absorption.

Two recent findings proven **ANTHOCRAN® PHYTOSOME™**:

- effective in reducing symptoms and recurrence of UTIs despite the lower PACs content compared to other market formulations;[2]
- effective in preserving the physiological intestinal microbiota, retaining the physiological degradation of polyphenols during intestinal microbial metabolism and the formation of colonic biologically active metabolites.[3]

All together the above findings provide **new and innovative insights on cranberry extracts, endorsing these new metabolites instead of PACs as the true responsible for cranberry support to urinary health** instead of intact PACs as assumed so far.

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