# cran-max™ cranberry concentrate πάν πάν πάν πάν πάν

# a solution to support urinary tract health

# description

Cran-Max™ is a concentrated whole fruit cranberry extract. It is made from 100% of the cranberry. Cran-Max™ contains no carriers, no solvents, no added sweeteners, and no flavorings or added colors.

Cranberries provide a rich source of anthocyanins and proanthocyanidins (PACs) and are a better source of these than almost any other fruit.

#### benefits

Research shows that PACs, particularly A-type PACs, of which cranberries are a rich source, support urinary tract health<sup>1</sup>. Anthocyanins, which are also found in cranberries and are natural anti-oxidants, support overall health<sup>2</sup>. Cran-Max™ provides a good source of PACs and anthocyanins.

Did you know that many cranberry juice drinks contain mostly sugar and water, and are only about 27–33% cranberry juice? One 500 mg dose of Cran-Max™ provides the same amount of anthocyanins as 7 glasses of cranberry juice cocktail, without all the sugar.

Cran-Max™ is the only cranberry concentrate made using the patented Bio-Shield™ technology³. Bio-Shield™ is designed to protect the anthocyanins and phenols from destruction by gastric acid in the stomach.

It takes 34 pounds of cranberries to make 1 pound of Cran-Max™. This concentrated starting point results in supplements with Cran-Max™ having more cranberry content than many other supplements on the market.



## product form and applications

Cran-Max™ is supplied as a concentrated powder and can be used in a variety of end applications functional foods and beverages, bars, powdered drink mixes, chews and more. Cran-Max™ can also be put into a tablet.

### product safety

Cran-Max™ is a natural concentrate with a good safety profile.



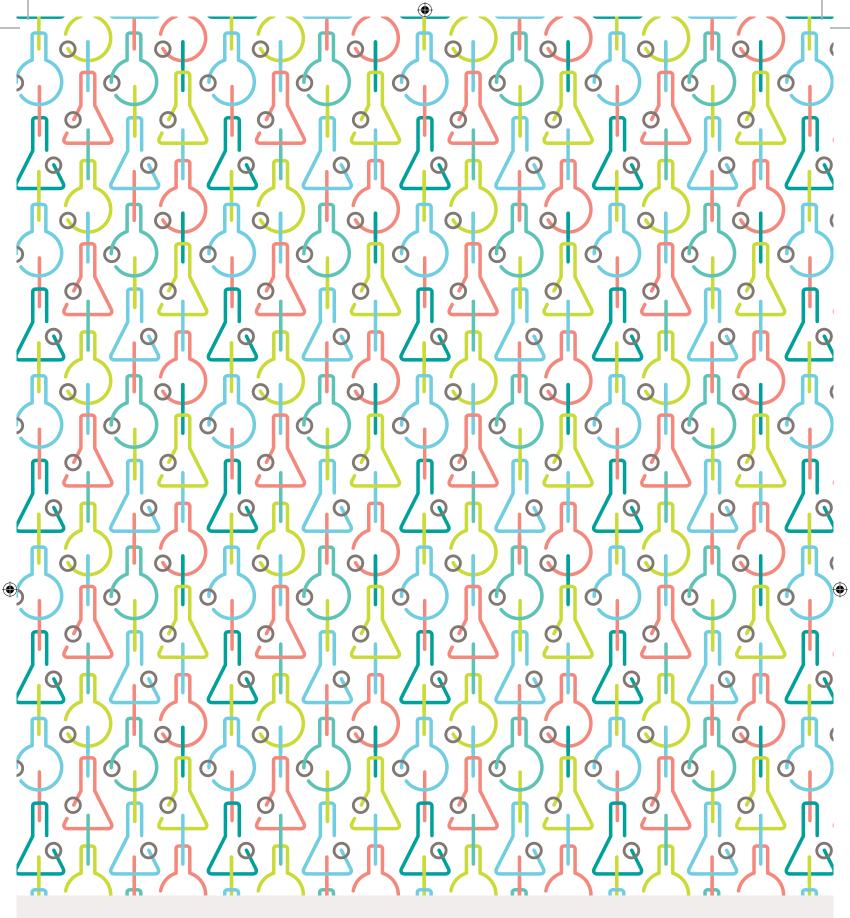


<sup>&</sup>lt;sup>1</sup>Howell AB, Reed JD, Krueger CG, et al. A-type cranberry proanthocyanidins and uropathogenic bacterial anti-adhesion activity. Phytochemistry. 2005;66:2281-2291.

<sup>&</sup>lt;sup>2</sup>Blumberg JB, Camesano TA, Cassidy A, et al. Cranberries and their bioactive constituents in human health. Advances in Nutrition 2013;4:618-632.

<sup>&</sup>lt;sup>3</sup>Patent numbers for Bio-Shield™: 6,231,866 and 6,440,467.

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



#### regional centers

North America – Wilmington, DE USA Tel: +1 877 546 2782

**Europe** — Switzerland +41 52 560 55 00

India — Maharashtra Tel: +91 22 61489696

Asia Pacific — Singapore +65 6775 5366 Tel:

Middle East, Africa – Dubai, U.A.E. Tel: +971 4 3818515

Latin America — Mexico

Tel: +52 55 52 76 6121

#### ashland.com/contact

®Registered trademark, Ashland or its subsidiaries, registered in various countries

™Trademark, Ashland or its subsidiaries, registered in various countries ©2018, Ashland / FNB18-109 various products described are intended for use only by  $% \left( x\right) =\left( x\right)$ persons having technical skill and at their own discretion and risk after they have performed necessary technical investigations, tests and evaluations of the products and their uses. Certain end uses of these products may be regulated pursuant to rules or regulations governing medical devices, drug uses, or pesticidal or antimicrobial uses. It is the end user's responsibility to determine the  $\,$ applicability of such regulations to its products.

The information contained in this brochure and the

All statements, information, and data presented herein are believed to be accurate and reliable, but are not to be taken as a guarantee of fitness for a particular purpose, or representation, express or implied, for which seller assumes legal responsibility. No freedom to use any patent owned by Ashland, its subsidiaries, or its suppliers is to be inferred.

