



INTERNATIONAL
An ABF Ingredients Company

Fiber-Forward Crisps to Support Gut Health









Hemp Dietary Fiber and Bioactives to Support Gut Health

Gut health continues to be a top priority among consumers of functional foods, as 7 in 10 consumers regularly seek out food & drink to help improve their digestive health. (Source: FMCG Gurus 2022) With a growing number of products promising digestive benefits, dietary fiber has come into focus for consumers seeking a safe and effective option to support their gut.

However, the majority of consumers across the globe don't get enough fiber in their diets, presenting an opportunity for brands to formulate with fiber in mind and help consumers reach their goals.

PGP's new extruded rice crisps are formulated with a unique dietary fiber ingredient called Brightseed Bio 01™ - made from upcycled hemp hulls and containing bioactives. The unique blend of rice and hemp hull fiber provides a novel and nutrition-forward solution to deliver added dietary fiber content and gut health benefits across applications. We strive to provide consistency, versatility, and value in everything we do.

Features of PGP Bio Hemp Fiber Crisps

	 Fiber Content	 Digestive Health Benefits	 Good / Excellent Source of Fiber	 Made with Brightseed Bio 01™	 Kosher	 Gluten-Free	 Soy-Free	 GMO-Free
Bio Hemp Fiber Crisps	20%	✓	✓	✓	✓	✓	✓	✓



Bio Hemp Rice Crisp

PGP launches their Bio Hemp crisp made with Bio 01™, an insoluble fiber made from hemp hulls. This crisp contains 20% fiber that can be used in many applications. Brightseed Bio 01™ contains two bioactive compounds associated with gut health:

- **NCT: N-trans-Caffeoyltyramine**
- **NFT: N-trans-Feruloyltyramine**

Brightseed's Forager AI® technology discovered the potential gut health benefits of these bioactive compounds, and identified hemp hulls as the richest known source of NCT & NFT!

Our portfolio of extruded Bio Hemp Fiber Crisps are made with high-quality rice and Brightseed Bio 01™, a novel hemp fiber.

These versatile crisps provide you with:

- Opportunity to reach a good or excellent source of dietary fiber in finished products
- Digestive health support
- Made with Brightseed Bio 01 Hemp Fiber - containing bioactives to help maintain a healthy gut*
- Textural enhancement
- Clean label declaration

Our extruded crisps are ideal for use in:

- Snack Bars
- Snack Mixes
- Clusters
- Protein Snacks
- Breakfast Cereals

*Based on recently published preclinical data. (Bolster, D., Chae, L., van Klinken, J.-W., and Kalgaonkar, S. (2022). Impact of selected novel plant bioactives on improvement of impaired gut barrier function using human primary cell intestinal epithelium. J. Food Bioact. 20: 11–16.)

*This statement has not been evaluated by the Food and Drug Administration. This product is not intended to diagnose, treat, cure, or prevent any disease. (section 403(r)(6)(C)).

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