

# Phase 2™

## Carb Controller

## A proven solution for weight management\*

### The market

Weight management remains one of the biggest market segments in the health management space. Incorporating Phase 2™ white kidney bean extract into your weight management formula can help capture some of this large market space. Not only is Phase 2™ extract a clinically proven solution for weight management; it is also plant-based, vegan, non-GMO and gluten-free — all important product features for many consumers. With its short ingredient list and water-based extraction, Phase 2™ extract provides a clean label. Phase 2™ extract is a great ingredient partner for solutions supporting lifestyle diets like keto and Atkins™, where carb control is important.

### Description

Phase 2™ extract is a proprietary, natural ingredient derived from the white kidney bean. Phase 2™ extract is not a stimulant; it works by reducing the enzymatic digestion of dietary starches. Phase 2™ extract has been clinically shown to reduce the digestion and absorption of dietary starches by up to 66 percent.<sup>1</sup>



Vegan\*\*



Water  
extraction



Plant-based



Kosher



Halal

## Key features and benefits

- Structure/function claims support
- Solvent free
- Caffeine free
- Plant based
- Non-GMO (U.S. definition)
- Self-affirmed GRAS status
- Made from US-grown white kidney beans

### Recommended dosage

500–1500 mg per starchy meal. The amount required to inhibit alpha amylase enzyme from breaking down starches will vary based on amount of carbohydrate ingested.

### Product safety

Phase 2™ Carb Controller is a natural extract with a strong safety profile.

\* 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.

## Product form

Phase 2™ Carb Controller is sold as a powder. Phase 2™ has minimal flavor and can be used in a variety of end applications and in combination with other ingredients.

## Structure/Function claims

Phase 2™ white kidney bean extract has been reviewed by U.S. Food and Drug Administration to permit the following structure/function claims:

- "May reduce enzymatic digestion of dietary starch."<sup>\*</sup>
- "May assist in weight control when used with diet and exercise."<sup>\*</sup>

Additionally, in its monograph for white kidney bean extract, Natural Health Products Directorate, Canada permits the following claim for weight management:

- "At 3000 mg per day, standardized to 3000 AAIU per gram: Assists in weight management when taken before meals."

Phase 2™ Carb Controller may be included in companion pet formulas.<sup>2</sup>

## Clinical support

Phase 2™ extract has been extensively studied; More than fourteen clinical studies have been conducted in the past 15 years. Phase 2™ extract is a market leader, and has been used successfully in multiple products worldwide.

In the latest clinical study<sup>3</sup>, Phase 2™ extract, when ingested before meals and in conjunction with calorie reduction, contributed to the following positive weight management goals:

- Reduced body weight
- Reduced body fat
- Reduced waist circumference
- Reduced hip circumference
- Reduced thigh circumference

Contact us to learn more about Phase 2™ extract or to receive a sample.

\* 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.

<sup>1</sup> Vinson JA, Kharrat HA, Shuta D. Investigation of an amylase inhibitor on human glucose absorption after starch consumption. *The Open Nutraceuticals Journal*, 2009;2:88-91.

<sup>2</sup> Rosenblatt S, Willauer C, Timmel A, Ota B. Use of commercial starch blockers in canine weight loss. *Journal of the American Holistic Veterinary Medical Association*, 2004;23(2):43-46.

<sup>3</sup> Jäger et. al.: Proprietary alpha-amylase inhibitor formulation from white kidney bean (*Phaseolus vulgaris* L.) promotes weight and fat loss: a 12-week, double-blind, placebo-controlled, randomized trial. *Sci Rep* (2024), 14:12685.

### Locations

**New Jersey**  
265 Harrison Avenue  
Kearny, NJ 07032

15 Adams Drive  
Totowa, NJ 07512

**Utah**  
766 South Depot Drive  
Ogden, UT 84404

### Contact us

**Headquarters**  
Kearny, NJ, USA  
Tel: +1 201 246 1000

**Customer Service**  
Tel: +1 866 514 8898

[info@pharmachem.com](mailto:info@pharmachem.com)

® Registered trademark

™ Trademark, Pharmachem Innovations or its subsidiaries, registered in various countries

© 2024, Pharmachem Innovations / PC24-110.1

The information contained in this document and the various products described are intended for use only by persons having technical skill and at their own discretion and risk after they have performed necessary tests and evaluations of the products and their uses. All statements, information and data presented herein are believed to be accurate and reliable, but are not to be taken as a guarantee, an express warranty, or an implied warranty of merchantability or fitness for a particular purpose, or representation, express or implied, for which Pharmachem Innovations and its subsidiaries assume legal responsibility. A purchaser must make its own determination of a product's suitability for purchaser's use, the protection of the environment, and the health and safety of its employees and customers. We make no warranty against infringement of any patents by reason of purchaser's use of any product or formulation described in this document.