



Branded Ingredients Profile for Pharmachem Laboratories
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Pharmachem Laboratories Inc. has developed the first standardized starch blocker -- Phase 2® Carb Controller. Phase 2 is an all-natural, non-stimulant extract of the white bean. It is the first clinically studied carb blocker shown to delay the digestion and absorption of starch calories. When used in conjunction with a sensible diet and exercise, Phase 2 may assist in weight control.

Phase 2 is a key ingredient in nutritional supplements available at food, drug and mass-market stores across the US and worldwide. In addition, Phase 2 (also known as StarchLite™ in the food market) is one of the few dietary ingredients to bridge the gap to foods and beverages. Phase 2/StarchLite has a variety of applications including baked goods, frozen foods, pizza, pasta, soups, beverages, confections, snacks, and functional seasonings. Best of all, Phase 2/StarchLite does not affect the taste or texture of food.

From its inception, Phase 2 has been the subject of numerous studies to evaluate its safety and effectiveness. Most recently, a double-blind, human pilot study published in the 2007 edition of the journal *Alternative Therapies in Health and Medicine* found that those who ate the most carbohydrates and took a supplement containing Phase 2 lost significantly more weight and inches from their waists than the placebo group.

In addition, an open-label, 6-arm crossover study with 13 randomized subjects using standardized glycemic index testing, showed that the glycemic index of Wonder brand bread was significantly reduced by the addition of Phase 2.

Recently the US Food & Drug Administration conducted an extensive review of Phase 2 clinical data, and announced that it does not object to weight control and starch reduction claims for Phase 2, and supplements containing it. With this announcement, Phase 2 became the first nutritional ingredient with two permitted claims: “*May assist in weight control when used in conjunction with a sensible diet and exercise program,*” and “*May reduce the enzymatic digestion of dietary starches.*”

In addition, in 2006 Phase 2 was affirmed Generally Recognized as Safe (GRAS), reaching another important milestone in Pharmachem’s effort to confirm the safety and efficacy of its proprietary ingredient.

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phar-ma-foods... *efficacious food supplements standardized for specific potency, solubility, direct compression and disintegration characteristics...*