

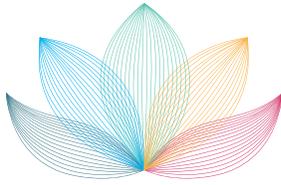
Daily Protein



Vitality Natural Health Care
2165 E Warner Rd Suite 104
Tempe, AZ 85284 | 602-388-1155

ecothera

Clinical Applications



- Supports Healthy Body Composition*
- Supports Immune Health*
- Supports Post-Exercise Recovery*
- Supports Healthy Glucose Metabolism*
- Supports Gastrointestinal Health*
- Contributes to Macro-Nutrition*

*Daily Protein is an easy-to-mix functional food for vegans, individuals sensitive or allergic to soy and/or dairy, or anyone seeking an alternative source of quality protein. Daily Protein features Vegan Protein Blend, an all-natural rice and pea protein blend.**

All Vitality Natural Health Care Formulas Meet or Exceed cGMP Quality Standards

Discussion

Vegan Protein Blend is Vitality Natural Health Care's proprietary blend of pea protein isolate and rice protein concentrate, L-glutamine, glycine, and taurine. Also added is Aminogen™—a patented, natural, plant-derived enzyme system clinically proven to increase protein digestibility and amino acid absorption.^[1] Its action boosts nitrogen retention, aids in the synthesis of muscle mass and strength, and promotes deep muscle recovery.*

The non-genetically modified (non-GMO), highly digestible pea protein isolate in Vegan Protein Blend is naturally obtained by simple water extraction, keeping all the nutritional qualities intact. Its 90% protein content features a well-balanced amino acid profile, including a high content of lysine, arginine, and branched-chain amino acids to help maintain lean body mass and reduce body fat.^[2] Pea protein has the highest lysine concentration (7.2%) of all vegetable-based proteins and the highest arginine concentration (8.7%) among all commercially available proteins. The combination of pea protein and rice protein achieves an amino acid score of 100%.*

Fructose Free Daily Protein contains evaporated cane juice and stevia in place of fructose. Animal and human research suggests that consuming fructose-containing beverages increases visceral adiposity.*^[3,4]

Glutamine, crucial in nitrogen metabolism, is important for replenishing amino acid stores, especially after exercise or stress.^[5] This amino acid aids in intestinal cell proliferation, thereby preserving gut barrier function and intestinal health.*

Glycine, an inhibitory (calming) neurotransmitter, is vital as a constituent of collagen and a building block for other substances, such as coenzyme-A, nucleic acids, creatine phosphate, purines, bile, and other amino acids.*

Taurine, a derivative of sulfur-containing cysteine, has many healthful clinical applications, including the support of stable cell membranes, cardiovascular health, glucose tolerance, detoxification, and bile salt synthesis.*^[6]

Fiber Blend (inulin from non-GMO chicory, beta glucans, oat fiber, and corn bran) Daily Protein provides 6 g of fiber per serving. These fibers favorably affect serum lipids, healthy intestinal flora, the formation of short-chain fatty acids, and glucose tolerance.^[7] Beta glucans and lignins impact the binding of bile acids and support the maintenance of healthy cholesterol levels already within the normal range.^[8] Beta glucans may also offset stress to the immune system caused by intense exercise.*^[9]

Satisfaction: An Added Benefit of Increasing Protein Intake Signals that originate from the gut—in response to mechanical (gastric distention) and chemical changes that occur after the ingestion of food—let us know when we've had enough to eat. Among the macronutrients in food, proteins have been identified as having the greatest impact in this regard. Thus, the effect of consuming high-protein foods has been observed not only to yield a strong feeling of satisfaction immediately after intake but also to support a lower food intake during a subsequent meal.*^[10]

It is possible that not all proteins afford the same degree of satiety. A study on human and rat duodenal biopsies demonstrated that exposure to pea protein resulted in the release of the greatest amount of cholecystokinin (CCK) and glucagon-like peptide 1.^[11] These gastrointestinal hormones modulate appetite sensations.

***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.**

Daily Protein



CREAMY CHOCOLATE

Nutrition Facts

Serving Size 2 Scoops (about 43g)
Servings Per Container About 14

Amount Per Serving

Calories 150 Calories From Fat 40

% Daily Value*

Total Fat 4.5g **7%**

Saturated Fat 1g **5%**

Sodium 330mg **14%**

Potassium 330mg **9%**

Total Carbohydrate 16g **5%**

Dietary Fiber 8g **32%**

Sugars 6g

Protein 17g **34%**

Calcium 4% • Iron 25%

Not a significant source of trans fat, cholesterol, vitamin A, or vitamin C.

* Percent Daily Values are based on a 2,000 calorie diet. Your Daily Values may be higher or lower depending on your calorie needs:

	Calories:	2,000	2,500
Total Fat	Less than	65g	80g
Saturated Fat	Less than	20g	25g
Cholesterol	Less than	300mg	300mg
Sodium	Less than	2,400mg	2,400mg
Potassium		3,500mg	3,500mg
Total Carbohydrate		300g	375g
Dietary Fiber		25g	30g
Protein		50g	65g

INGREDIENTS: Vegan Protein Blend (Vitality Natural Health Care's proprietary blend of pea protein concentrate, pea protein isolate, glycine, taurine, rice protein concentrate, and L-glutamine), dried cane syrup, fiber complex (inulin (from chicory) and oat fiber), cocoa powder, sunflower oil, natural flavors (no MSG), cellulose gum, xanthan gum, medium-chain triglycerides oil, tripotassium citrate, Aminogen® (proprietary plant enzyme blend), guar gum, stevia leaf extract, and silica.

 Aminogen® is a registered trademark of Triarco Industries. Aminogen® is protected under U.S. patent 5,387,422.

Directions

Mix two scoops (43 g) in 8-12 oz cold water and consume. Adjust amount of water according to thickness desired. May be used as a snack, a "rescue" food, an occasional meal replacement, or as directed by your healthcare practitioner.†

Consult your healthcare practitioner prior to use. Individuals taking medication should discuss potential interactions with their healthcare practitioner. Do not use if tamper seal is damaged. The labeling on this product does not comply with California's Proposition 65. Therefore, this product may not be sold in California.

Typical Amino Acid Profile Per Serving:

Alanine	798 mg
Arginine	1,600 mg
Aspartic Acid	2,156 mg
Cysteine	176 mg
Glutamic Acid	3,244 mg
Glycine	2,762 mg
Histidine	462 mg
Isoleucine	857 mg
Leucine	1,562 mg
Lysine	1,351 mg
Methionine	197 mg
Phenylalanine	1,014 mg
Proline	810 mg
Serine	992 mg
Taurine	500 mg
Threonine	697 mg
Tryptophan	183 mg
Tyrosine	710 mg
Valine	931 mg

References

1. Oben J, Kothari SC, Anderson ML. An open-label study to determine the effects of an oral proteolytic enzyme system on whey protein concentrate metabolism in healthy males. *J Int Soc Sports Nutr.* 2008 Jul 24;5:10. [PMID: 18652668]
2. Rigamonti E, Parolini C, Marchesi M, et al. Hypolipidemic effect of dietary pea proteins: Impact on genes regulating hepatic lipid metabolism. *Mol Nutr Food Res.* 2010 May;54 Suppl 1:S24-30. [PMID: 20077421]
3. Jürgens H, Haass W, Castañeda TR, et al. Consuming fructose-sweetened beverages increases body adiposity in mice. *Obes Res.* 2005 Jul;13(7):1146-56. [PMID: 16076983]
4. Stanhope KL, Schwarz JM, Keim NL, et al. Consuming fructose-sweetened, not glucose-sweetened, beverages increases visceral adiposity and lipids and decreases insulin sensitivity in overweight/obese humans. *J Clin Invest.* 2009 May;119(5):1322-34. doi: 10.1172/JCI37385. [PMID: 19381015]
5. Castell L. Glutamine supplementation in vitro and in vivo, in exercise and in immunodepression. *Sports Med.* 2003;33(5):323-45. [PMID: 12696982]
6. Yatabe Y, Miyakawa S, Ohmori H, et al. Effects of taurine administration on exercise. *Adv Exp Med Biol.* 2009;643:245-52. [PMID: 19239155]
7. de Luis DA, de la Fuente B, Izaola O, et al. Randomized clinical trial with a inulin enriched cookie on risk cardiovascular factor in obese patients [in Spanish]. *Nutr Hosp.* 2010 Jan-Feb;25(1):53-59. [PMID: 20204256]
8. Queenan KM, Stewart ML, Smith KN, et al. Concentrated oat beta-glucan, a fermentable fiber, lowers serum cholesterol in hypercholesterolemic adults in a randomized controlled trial. *Nutr J.* 2007 Mar 26;6:6. [PMID: 17386092]
9. Vetvicka V, Vancikova Z. Anti-stress action of several orally-given β-glucans. *Biomed Pap Med Fac Univ Palacky Olomouc Czech Repub.* 2010 Sep;154(3):235-38. [PMID: 21048809]
10. Johnstone AM, Stubbs RJ, Harbron CG. Effect of overfeeding macronutrients on day-to-day food intake in man. *Eur J Clin Nutr.* 1996 Jul;50(7):418-30. [PMID: 8862477]
11. Geraedts MC, Troost FJ, Tinnemans R, et al. Release of satiety proteins in response to specific dietary proteins is different between human and murine small intestinal mucosa. *Ann Nutr Metab.* 2010;56(4):308-313. [PMID: 20530962]

Does Not Contain

Wheat, gluten, yeast, soy, animal or dairy products, fish, shellfish, peanuts, tree nuts, egg, ingredients derived from genetically modified organisms (GMOs), artificial colors, artificial sweeteners, or artificial preservatives.

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DRS-217
REV. 11/02/15



VANILLA DELIGHT

Nutrition Facts

Serving Size 2 Scoops (about 39g)
Servings Per Container About 14

Amount Per Serving

Calories 140 Calories From Fat 25

% Daily Value*

Total Fat 3g **5%**

Saturated Fat 1g **5%**

Sodium 330mg **14%**

Potassium 350mg **10%**

Total Carbohydrate 14g **5%**

Dietary Fiber 5g **20%**

Sugars 6g

Protein 17g **34%**

Calcium 2% • Iron 25%

Not a significant source of trans fat, cholesterol, vitamin A, or vitamin C.

* Percent Daily Values are based on a 2,000 calorie diet. Your Daily Values may be higher or lower depending on your calorie needs:

	Calories:	2,000	2,500
Total Fat	Less than	65g	80g
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Directions

Mix two scoops (39 g) in 8-12 oz cold water and consume. Adjust amount of water according to thickness desired. May be used as a snack, a "rescue" food, an occasional meal replacement, or as directed by your healthcare practitioner.†

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