

# ALKALINE DETOX FORMULA



ALKALINE METHOD

## Clinical Applications

- Supports Natural Detoxification Mechanisms\*
- Supports Gastrointestinal Health\*
- Supports a Balanced Cytokine Profile\*
- Lactose-Free Vegan Protein\*

***Alkaline Detox Formula** is a comprehensive, fructose-free, low-allergy-potential dietary supplement designed to support gastrointestinal (GI) function and balanced detoxification. It features Vegan Protein Blend, Alkaline Method's proprietary amino acid and pea/rice protein blend; Aminoger®, to facilitate protein absorption; phytonutrients; mineral amino acid chelates; and activated B vitamins, including Quatrefolic®† and methylcobalamin. In conjunction with a modified elimination diet, Alkaline Detox Formula addresses GI and hepatic function as well as eicosanoid balance and cytokine metabolism. This formula is suitable for vegans.\**

All Alkaline Method Formulas Meet or Exceed cGMP Quality Standards

## Discussion

**Alkaline Detox Formula** contains macro- and micronutrients, as well as a host of ingredients (some patented or proprietary) that support fatty acid metabolism, gastrointestinal health, and healthy eicosanoid and cytokine metabolism. Activated cofactors support mitochondrial energy production needed for biotransformation and detoxification. This formula's ingredients help moderate phase I detoxification, upregulate and support phase II pathways, and provide antioxidant support as well.\*

### Protein Metabolism

Vegan Protein Blend is Alkaline Method's proprietary blend of pea protein isolate and rice protein concentrate, L-glutamine, glycine, and taurine. Generation of glutathione and sulfation cofactors—vital for phase II conjugation—requires an array of amino acids. The combination of pea protein and rice protein, containing a complement of amino acids, achieves an amino acid score of 100%. Glutamine, a conditionally essential and versatile amino acid with two nitrogen moieties, is crucial to nitrogen metabolism and helps maintain healthy liver tissue and function.<sup>[1,2]</sup> The amino acid glycine is needed for bile synthesis, phase II detoxification, and glutathione production. Taurine, a derivative of the sulfur-containing amino acid cysteine, is also important for synthesis of bile salts and helps stabilize cell membranes.\*

### Gastrointestinal Support

**Ginger root**, included to support healthy digestion including the release of bile from the gallbladder, acts at several sites to moderate PGE(2) production and support the normal response to inflammation.<sup>[3]</sup> Fiber (from inulin and flaxseeds) supports production of short-chain fatty acids as well as a healthy intestinal flora. **MeadowPure™**, an organic flaxseed complex, possesses excellent oxidative stability, supports antioxidant activity, and provides lignins, soluble fiber, and omega-3 and omega-6 essential fatty acids.<sup>[4]</sup> **Glutamine** plays a key role in healthy intestinal cell proliferation and gut barrier integrity, immune function, and normal tissue healing.\*<sup>[1,2]</sup>

### Detoxification Support

**Ellagic acid** (from pomegranate extract) prevents over-induction of CYP1A enzymes, works at the gene level to induce synthesis of glutathione-S-transferases and other phase II activities, binds directly to toxins, and protects DNA and hepatocytes.<sup>[5,6]</sup> **Watercress** is a rich source of beta-phenylethyl isothiocyanate (PEITC)—a versatile compound found to inhibit phase I enzymes and induce the phase II enzymes associated with biotransformation and excretion of toxins. Watercress was found to contain even stronger phase II inducers known as 7-methylsulfinylheptyl and 8-methylsulfinyloctyl isothiocyanates as well.<sup>[7,8]</sup> **Green tea catechins** not only support antioxidant activity but also appear to act as modulators of phase I and phase II detoxification.<sup>[9]</sup> **Choline** is present to support lipid metabolism in the liver and can be converted to betaine, a methyl donor.\*<sup>[10]</sup>

The active, bioavailable form of **B vitamins** (pyridoxal-5'-phosphate (B6), 5-methyltetrahydrofolate (folate), methylcobalamin (B12)) and glycine all support amino acid conjugation and are vital for the detoxification of xenobiotics and xenoestrogens. 5-methyltetrahydrofolate (5-MTHF), methylcobalamin, betaine, and **methylsulfonylmethane** (MSM) are present to support methylation and detoxification. 5-MTHF supports healthy folate nutrition, especially in those with variations in folate metabolism. In Alkaline Detox Formula, 5-MTHF is provided as Quatrefolic® for enhanced stability, solubility, and bioavailability.\*<sup>[11]</sup>

**Preventium®**, a patented form of potassium hydrogen d-glucarate, supports glucuronidation. Sulfation is supported by **MSM** and **sodium sulfate**. Acetylation is supported by **d-calcium pantothenate**, pyridoxal-5'-phosphate, and magnesium. Several minerals in Alkaline Detox Formula are provided as Albion® mineral chelates and TRAACS® mineral amino acid chelates for enhanced gastrointestinal absorption and bioavailability.\*<sup>[12]</sup>

### Antioxidant Support and Cytokine Balance

**Bioflavonoids, quercetin, rutin, and curcumin** support antioxidant activity, counter free radicals, and support healthy eicosanoid and cytokine metabolism.<sup>[13,14]</sup> Curcumin has a long history of use for its support of a normal, healthy response to inflammation.<sup>[15]</sup> **N-acetyl-cysteine (NAC)** stimulates glutathione synthesis, enhances glutathione-S-transferase activity, and promotes detoxification.<sup>[16]</sup> **Selenium glycinate** provides support for glutathione metabolism and antioxidant protection.\*

Alkaline Detox Formula provides an array of nutrients that supports gastrointestinal health; detoxification and antioxidant mechanisms; and a normal, healthy response to inflammation and cytokine balance. This formula is designed to be used as part of a step-approach cleanse in conjunction with a modified

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ALKALINE DETOX FORMULA



# Vanilla Delight

# Supplement Facts

Serving Size: 2 Scoops (about 57 g)  
Servings Per Container: About 14

	Amount Per Serving	%DV		Amount Per Serving	%DV
Calories	230		Chromium (as TRAACS® chromium nicotinate glycinate chelate)	60 mcg	171%
Total Fat	7 g	9%	Molybdenum (as TRAACS® molybdenum glycinate chelate)	35 mcg	78%
Saturated Fat	1.5 g	8%	Sodium (from ingredients with naturally occurring sodium, sodium sulfate anhydrous, and sodium ascorbate)	560 mg	24%
Total Carbohydrate	15 g	5%	Potassium (from tripotassium citrate and ingredients with naturally occurring potassium)	455 mg	10%
Dietary Fiber	3 g	11%			
Total Sugars	5 g	**			
Includes 5g Added Sugars		10%			
Protein	26 g		Stabilized Flaxseed	5.6 g	**
Vitamin A (as natural beta-carotene)	750 mcg	83%	Typical Alpha-Linolenic Acid Content	1.28 g	**
Vitamin C (as sodium ascorbate)	250 mg	278%	Typical Linoleic Acid Content	392 mg	**
Thiamin (as thiamine HCl)	15 mg	1250%	Pomegranate Extract ( <i>Punica granatum</i> )(hull)(40% ellagic acid)	400 mg	**
Riboflavin (as riboflavin 5'-phosphate sodium)	5 mg	385%	Betaine Anhydrous (trimethylglycine)	250 mg	**
Niacin (as niacinamide and niacin)	40 mg	250%	Lemon Bioflavonoid Complex ( <i>Citrus x limon</i> ) (fruit peel)(25% bioflavonoids)	250 mg	**
Vitamin B6 (as pyridoxal 5'-phosphate)	5 mg	294%	Quercetin (as quercetin dihydrate from <i>Dimorphandra mollis</i> )(pod)	250 mg	**
Folate (as Quatrefolic® (6S)-5-methyltetrahydrofolate acid, glucosamine salt)	200 mcg DFE	50%	Preventium® (potassium d-glucarate)	250 mg	**
Vitamin B12 (as methylcobalamin)	50 mcg	2083%	Rutin (from <i>Sophora japonica</i> )(bud)	200 mg	**
Biotin	150 mcg	500%	BCM-95® Turmeric Extract ( <i>Curcuma longa</i> )(rhizome)(95% total curcuminoids complex, including curcumin, curcuminoids, and volatile oils)(85% curcuminoids)(65% curcumin)	200 mg	**
Pantothenic Acid (as d-calcium pantothenate)	35 mg	700%	N-Acetyl-L-Cysteine	150 mg	**
Choline (as choline bitartrate)	100 mg	18%	Ginger ( <i>Zingiber officinale</i> )(rhizome)	150 mg	**
Calcium (as DimaCal® di-calcium malate and ingredients with naturally occurring calcium)	220 mg	17%	Methylsulfonylmethane (MSM)	120 mg	**
Iron (naturally occurring)	5 mg	28%	Sodium Sulfate Anhydrous	100 mg	**
Iodine (as potassium iodide)	60 mcg	40%	Watercress ( <i>Nasturtium officinale</i> )(aerial parts)	100 mg	**
Magnesium (as Albion® d-magnesium malate)	140 mg	33%	Green Tea Aqueous Extract ( <i>Camellia sinensis</i> )(leaf) (80% polyphenols, 60% catechins, 30% EGCG, 6% caffeine)	82 mg	**
Zinc (as TRAACS® zinc bisglycinate chelate)	10 mg	91%			
Selenium (as Albion® selenium glycinate complex)	100 mcg	182%			
Manganese (as TRAACS® manganese bisglycinate chelate)	2 mg	87%			

**Other Ingredients:** Vegan Protein Blend (Alkaline Method's proprietary blend of pea protein isolate, taurine, glycine, rice protein concentrate, and L-glutamine), dried cane syrup, sunflower oil, natural flavors (no MSG), medium-chain triglyceride oil, cellulose gum, xanthan gum, Aminogen® fungal proteases, stevia leaf extract, guar gum, and silica.

**AMINOGEN®** is a registered trademark of Innophos Nutrition, Inc. AMINOGEN® is protected under U.S. patent 5,387,422.

**Quatrefolic®** is a registered trademark of Gnosis S.p.A. Produced under US Patent 7,947,862.

Preventium® is a registered trademark of Applied Food Sciences, LLC. (US patents 4,845,123, 5,364,644, 5,561,160).

Albion, DimaCal, TRAACS and the Albion Medallion design are registered trademarks of Albion Laboratories, Inc. Malates covered by US patent 6,706,904.

BCM-95® is a registered trademark of DolCas Biotech, Ltd. Protected under US patents 7,883,728, 7,736,679; and 7,879,373.

## Directions

Blend, shake, or briskly stir 2 level scoops (57 g) into 10-12 ounces chilled, pure water (or mix amount for desired thickness) and consume once daily, or use 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.

## 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.

### Typical Amino Acid Profile Per Serving:

Alanine	1,280 mg	Methionine	330 mg
Arginine	2,580 mg	Phenylalanine	1,630 mg
Aspartic Acid	3,400 mg	Proline	1,340 mg
Cysteine	300 mg	Serine	1,570 mg
Glutamic Acid	4,990 mg	Threonine	1,160 mg
Glycine	1,720 mg	Taurine	500 mg
Histidine	740 mg	Tryptophan	300 mg
Isoleucine	1,330 mg	Tyrosine	1,130 mg
Leucine	2,490 mg	Valine	1,490 mg
Lysine	2,120 mg		

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DRS-218  
REV. 09/04/18