# Gastro Cleanser



Support for Gastrointestinal System, Hepatic Function, and Cytokine Balance<sup>†</sup> Suitable for Vegans

## All DrHealth4Life Formulas Meet or Exceed cGMP Quality Standards

### Does **NOT** contain the following:

- NO Wheat
- NO Gluten
- NO Yeast
- NO Soy
- NO Animal or Dairy Products
- NO Fish
- NO Shellfish
- NO Peanuts
- NO Tree Nuts
- NO Egg
- NO Artificial colors
- NO Artificial sweeteners
- NO Artificial preservatives
- NO Ingredients derived from genetically modified organisms (GMOs)

# DrHealth4life Pharmaceutical Grade Supplements Gastro Cleanser

### **Clinical Applications**

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

Gastro Cleanser is a comprehensive, monk-fruit-extract-sweetened, low-allergy-potential dietary supplement designed to support gastrointestinal (GI) function and balanced detoxification. It features Vegan Protein Blend, Health4Life's proprietary amino acid and pea/rice protein blend; Aminogen®, to facilitate protein absorption; phytonutrients; mineral amino acid chelates; and activated B vitamins, including Quatrefolic® and methylcobalamin. In conjunction with a modified elimination diet, Gastro Cleanser addresses GI and hepatic function as well as eicosanoid balance and cytokine metabolism. This formula is suitable for vegans.\*

# Supplement Facts

Amount Per Serving %Daily Value		Amount Per Serving	%Daily Value				
Calories 220			Molybdenum (as TRAACS® molybdenum glycinate chelate)	35 mcg	47%		
Calories from Fat 80			Sodium (naturally occurring)	500 mg	21%		
otal Fat 9 g 14%*		Potassium (naturally occurring)	510 mg	159			
Saturated Fat 3 g		15%*					
		Stabilized Flaxseed		**			
Dietary Fiber 5 g 20%*		Alpha-Linolenic Acid	1.28 g	**			
Sugars 0 g		**	Linoleic Acid	392 mg	**		
Protein 26 g		52%*	Pomegranate Extract (Punica granatum)(hull)(40% ellagic acid)		**		
Vitamin A (as natural beta-carotene)	2500 IU	50%	Betaine Anhydrous (trimethylglycine)		**		
Vitamin C (as sodium ascorbate)	250 mg	417%	Lemon Bioflavonoid Complex (Citrus × limon)		**		
Thiamin (as thiamine HCI)	15 mg	1000%	(fruit peel)(25% bioflavonoids)				
Riboflavin (as riboflavin 5'-phosphate sodium)	5 mg	294%	Quercetin 2:		**		
Niacin (as niacinamide and niacin)	40 mg	200%	(as quercetin dihydrate from Dimorphandra mollis)(pod)				
Vitamin B6 (as pyridoxal 5'-phosphate)	5 mg	250%	Preventium® (potassium d-glucarate)	250 mg	•••		
Folate (as Quatrefolic® (6S)-5-methyltetrahydrofolic acid, glucosamine salt)	200 mcg	50%	Rutin (from Sophora japonica)(bud) Turmeric Extract (Curcuma Ionga)(rhizome)				
Vitamin B12 (as methylcobalamin)	50 mcg	833%	Turmeric Extract (Curcuma longa)(rhizome) 200 mg (95% curcuminoids)				
Biotin	150 mcg	50%	N-Acetyl-L-Cysteine	150 mg	**		
Pantothenic Acid (as d-calcium pantothenate)	35 mg	350%	Ginger (Zingiber officinale)(rhizome)	150 mg	•••		
Calcium (as DimaCat <sup>®</sup> di-calcium malate and	240 mg	24%	Methylsulfonylmethane (MSM)	120 mg	**		
ingredients with naturally occurring calcium)			Choline (as choline bitartrate)	100 mg	**		
Iron (naturally occurring)	6 mg	33%	Sodium Sulfate Anhydrous	100 mg	**		
lodine (as potassium iodide)	60 mcg	40%	Watercress (Nasturtium officinale)(herb)	100 mg	**		
Magnesium (as Albion® di-magnesium malate)	140 mg	35%	Green Tea Aqueous Extract (Camellia sinensis)(leaf)	82 mg **			
Zinc (as TRAACS® zinc bisglycinate chelate)	10 mg	67%	(80% polyphenols, 60% catechins, 30% EGCG, 6% caffeine)				
Selenium (as Albion® selenium glycinate complex)	100 mcg	143%					
Manganese (as TRAACS® manganese bisglycinate chelate)	2 mg	100%	* Percent Daily Values are based on a 2,000 calorie diet.				
Chromium (as TRAACS® chromium nicotinate glycinate chelate)	60 mcg	50%	50% ** Daily Value not established.				

Other Impedients: Vegan Protein Blend (Health-Life's proprietary blend of pea protein concentrate, pea protein isolate, taurine, dycine, rice protein concentrate, and -glutamine), sunflower oit, natural flavors (no MSG), medium-chain triglyceride oit, tripotassium citrate, cellulose gum, xanthan gum, Aminogen<sup>e</sup>, monk fruit extracjuar orum, and silita.

AMINOGEN® is a registered trademark of Triarco Indust

AMINOGEN® AMINOGEN® is protected under US patent 5,387,422.

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

### Typical Amino Acid Profile Per Serving

Alanine	1,129 mg	Methionine	279 mg
Arginine	2,260 mg	Phenylalanine	1,432 mg
Aspartic Acid	3,049 mg	Proline	1,141 mg
Cysteine	248 mg	Serine	1,404 mg
Glutamic Acid	4,450 mg	Taurine	981 mg
Glycine	1,578 mg	Threonine	500 mg
Histidine	652 mg	Tryptophan	258 mg
Isoleucine	1,214 mg	Tyrosine	1,005 mg
Leucine	2,208 mg	Valine	1,317 mg
Lysine	1 910 mg	I	

### **Directions**

Blend, shake, or briskly stir 2 level scoops (54 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. The labeling on this product does not comply with California's Proposition 65. Therefore, this product may not be sold in California.

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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.

# Gastro Cleanser

### Discussion

**Gastro Cleanser** is now sweetened with a natural, high-potency sweetener extracted from monk fruit. This generally recognized as safe (GRAS) monk-fruit extract offers a high-quality sweetness and flavor without the bitter aftertaste associated with some natural sweet-

#### Protein Metabolism

Vegan Protein Blend is Health4Life'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.[1,2] 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 such as the release of bile from the gallbladder, acts at several sites to moderate PGE(2) production and support the normal response to inflammation.[3] 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.[4] **Glutamine** plays a key role in healthy intestinal cell proliferation and gut barrier integrity, immune function, and normal tissue healing.\*[1,2]

#### 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.[5,6] **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 has been found to contain even stronger phase II inducers known as 7-methylsulfinyheptyl and 8-methylsulfinyloctyl isothiocyanates as well.[7,8] **Green tea catechins** not only support antioxidant activity but also appear to act as modulators of phase I and phase II detoxification.[9] **Choline** is present to support lipid metabolism in the liver and can be converted to betaine, a methyl donor.\*[10]

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 individuals with variations in folate metabolism. In Gastro Cleanser , 5-MTHF is provided as Quatrefolic® for enhanced stability, solubility, and bioavailability.\*[11]

**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 Gastro Cleanser are provided as Albion® mineral chelates and TRAACS® mineral amino acid chelates for enhanced gastrointestinal absorption and bioavailability.\*[12]

### Antioxidant Support and Cytokine Balance

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

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