

# BioImmersion Inc.



**Therapeutic Foods™**  
*Help Your Body™*

## Working Together:

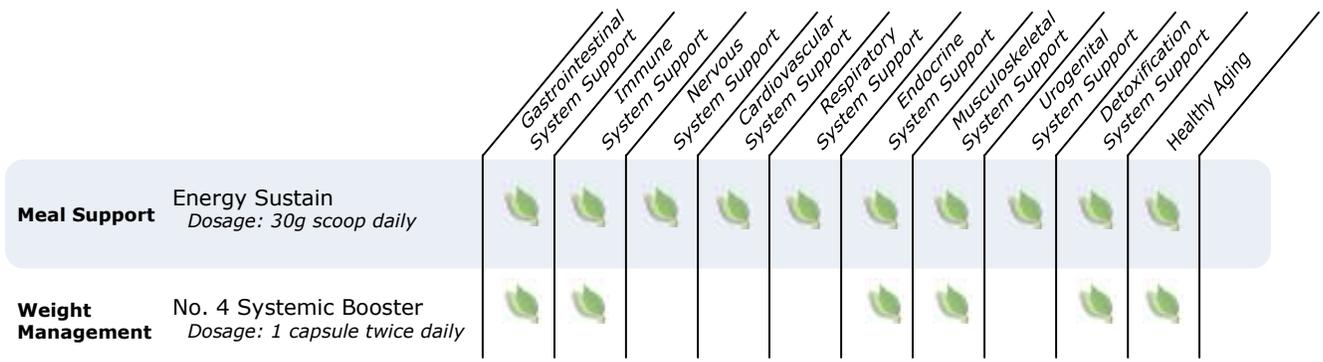
Environmental protection and economic growth go hand-in-hand with good economic policies and advanced technologies to achieve a sustainable economy, environmental quality and social equity.



# Therapeutic Foods™

*Help Your Body™*

		Gastrointestinal System Support	Immune System Support	Nervous System Support	Cardiovascular System Support	Respiratory System Support	Endocrine System Support	Musculoskeletal System Support	Urogenital System Support	Detoxification System Support	Healthy Aging
<b>Oxidative Stress Defense</b>	Wild Blueberry Extract <i>Dosage: 1-2 daily</i>										
	Cruciferous Sprout Complex (powder) <i>Dosage: 1tsp daily</i>										
	Cruciferous Sprout Complex (capsules) <i>Dosage: 4 capsules daily</i>										
	Chlorella, Organic (tablets) <i>Dosage: 4-6 tablets daily</i>										
	Phyto Power <i>Dosage: 2 capsules daily</i>										
<b>American Pedigreed Collection</b>	Original Synbiotic Formula <i>Dosage: ¼-1 tsp daily</i>										
	Beta-Glucan Synbiotic Formula <i>Dosage: 1tsp-2Tbl daily</i>										
	Triple Berry Probiotic Formula <i>Dosage: ½-1tsp daily</i>										
	High ORAC Synbiotic Formula <i>Dosage: 1-2 capsules daily</i>										
<b>Bulgarian Pedigreed Collection</b>	Supernatant Synbiotic Formula <i>Dosage: 1-4 capsules daily</i>										
	Cranberry Pomegranate Synbiotic Formula <i>Dosage: 1-4 capsules daily</i>										
	Nº 7 Systemic Booster <i>Dosage: 1tsp daily</i>										
<b>Broad-Spectrum Antimicrobial</b>	Garlic, Organic Freeze Dried <i>Dosage: 1-4 capsules daily</i>										
<b>Patented Mineral Formulas</b>	Chromium, Bio-organic with Beet <i>Dosage: 2 caps daily</i>										
	Fructo Borate Complex <i>Dosage: 1-4 capsules daily</i>										
	Ultra Minerals <i>Dosage: 1-4 capsules daily</i>										



# Therapeutic Foods™

*Help Your Body™*

## (1) **Wild Blueberry Freeze Dried Extract**

- Nova Scotia blueberry, rated #1 in ORAC by USDA, in North America.
- Reverses brain aging, improves short-term memory, improves motor skills.
- Neuro-regenerative - stimulates nervous tissue regeneration in the brain.
- Anti-cancer - blocks effects of radiation, prevents radiation sickness, anti-angiogenic, protects against the initiation, promotion and progression stages
- Anti-inflammatory - reduction of NF Kappa beta, COX-2 and Isoprostane.
- Potent antioxidant with high ORAC of 8000 units per gram (ORAC - Oxygen Radical Absorbent Capacity).
- One capsule equals 4000 ORAC units (five fruits and vegetables eaten daily- 1800 to 2500 ORAC units).
- Green technology: Advanced proprietary water extraction and freeze-drying technology to produce the Wild Blueberry Extract.
- One capsule - 1¼ cups of the Nova Scotia blueberry's polyphenols.
- Serving size - one capsule; amount per serving- 500mg; use - 1 capsule daily.
- No fillers, flowing agents, etc. Only raw blueberry extract in a vegetarian cap.



## **COMMENTS**

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**(2) Triple Berry Probiotic Formula**

- The Original Probiotic mix + High Actives Berries.
- 8 billion *Lactobacillus acidophilus* and *Bifidobacterium longum*.
- 4 grams of High Actives whole blueberry, raspberry and cherry.
- Formulated specifically for children to protect the brain and the GI tract.
- Antioxidant - provides 1000 ORAC units per serving. High Actives of chlorogenic acid, anthocyanins and ellagic acid.
- Anti-inflammatory - both the original probiotics with the high actives berries down-regulate pro-inflammatory cytokines and chemokines, and are potent COX-2 inhibitors.
- Microbiome Technology makes possible the production of hardy and viable pedigreed strains of pure cultures of the Original strain probiotics.
- Green technology: Advanced proprietary freeze-drying technology to produce High Active whole berries.
- Serving size - one heaping teaspoon daily (4 grams). Can be mixed together with the Original Synbiotic for added benefits.
- ¼ to ½ tsp daily or every other day as prevention.
- No filler, flowing agents or excipients of any kind.



**COMMENTS**

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**(3) High ORAC Synbiotic Formula**

- The Original Probiotics + berry extracts and fruit + fiber.
- 25 billion *Lactobacillus acidophilus* and *Bifido longum*.
- Berry extracts and fruit - 250mg of freeze dried wild blueberry extract, grape & grape seed extract, raspberry & raspberry seed extract, wild bilberry extract, cranberry, tart cherry and prune.
- 250mg of inulin from chicory fiber.
- Powerful benefit of The Original Probiotic mix.
- Potent antioxidant with high ORAC of 1500 units.
- Anti-inflammatory - reduces inflammation systemically and throughout the gastrointestinal system.
- Regenerates the enteric nervous system.
- Broad spectrum antimicrobial.
- Detoxifies dietary mycotoxins and carcinogens.
- Green technology: Advanced proprietary water extraction and freeze-drying technology to produce High Active whole berries and fruit extracts.
- Microbiome Technology makes possible the production of hardy and viable pedigreed strains of pure cultures of the Original strain probiotics.
- Serving size - one vegetarian capsule (500mg) daily.
- No fillers, flowing agents, excipients of any kind.



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**(4) Original Synbiotic Formula**

- Original probiotic mix + fiber
- Pedigreed human strains of *L. acidophilus*, *B. longum*, *L. rhamnosus*, *L. plantarum*, *S. Thermophilus*.
- ATCC classified bacteria: Original molecular identity confirmed routinely by DNA sequencing with four decades of proven ability to perform.
- The Original Strains works synergistically to neutralize and inhibit dietary toxins, mutagens, carcinogens and infectious organisms.
- Aggressively populates, defends and protects the GI tract.
- Corrects GI permeability by establishing tight junctions.
- High production of butyric acid inhibits colon cancer.
- Improves bowel regularity.
- Inulin derived from chicory fiber used as carrier and prebiotic.
- Microbiome Technology makes possible the production of hardy and viable pedigreed strains of pure cultures of the Original strain probiotics.
- Serving size - one heaping tsp (4 grams) of fiber and 20 billion bug count.
- ¼ to ½ tsp daily or every other day as prevention.
- No fillers, flowing agents or excipients of any kind.



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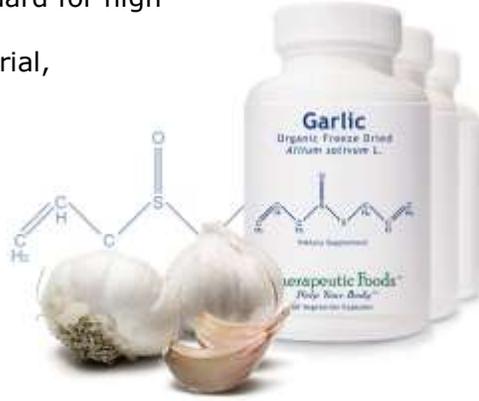
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**(6) Garlic, Organic Freeze Dried**

- QAI certified raw organic garlic, freeze dried (proprietary/state of the art).
- 26,800 ppm alliin content (industry standard for high potency is 10,000 ppm).
- Broad-spectrum antimicrobial- anti bacterial, viral, fungal and protozoal.
- Cardiovascular - reduces triglycerides and cholesterol.
- Anti-cancer - decreases incidences of gastrointestinal cancers.
- Detoxification - chelates mercury interstitially.
- Green technology: Advanced proprietary freeze-drying technology to produce High Active unreacted alliin (13.4mg alliin per capsule).
- At 50% conversion equals 6.9mg allicin.
- Takes 4 to 5 cloves of garlic to fill one 500mg capsule.
- Exceptionally potent garlic.
- Serving size - one 500mg capsule.
- Prevention- three to seven capsules per week.
- Intensive therapy- two to three capsules per day.
- No fillers, flowing agents, etc. Only raw garlic in a vegetarian capsule.



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**(7) Cruciferous Sprouts Complex (powder)**

- Pure mixture of broccoli sprouts, watercress sprouts, daikon radish sprouts, alfalfa sprouts, kale sprouts, mustard sprouts, and cauliflower sprouts which yield 1000 ppm sulforaphanes.
- Proprietarily grown, blanched and freeze dried, stabilized to maintain low microbial count.
- The Cruciferous Sprout seeds contain exceptionally high levels of glucosinolate and sulforaphane potential.
- Sulforaphanes act as a transcription molecule, opening up the genome to transcribe Phase 2 Proteins (P2P).
- Cruciferous sprouts directly stimulate P2P levels in every body cell.
- Phase 2 Proteins are the major endogenous antioxidant enzymes; quinone reductase, glutathione transferase, epoxide hydrolase and heme oxygenase (there are approx. 20 enzymes in the P2P system).
- Detoxification- Phase II liver detox is accomplished through P2P.
- Recent trial increased P2P levels 2.6 times in liver cells within 20 days at one tsp BID.
- Anti-cancer - Phase 2 proteins play a major role in neutralizing or scavenging carcinogens, oxidants and free radicals.
- Plays important role in prevention of cancers including stomach, lung and UV-induced skin carcinogenesis.
- Cardiovascular - 4 human clinical studies using this formula raised HDL levels in participants by 29% after 3 weeks at one heaping tsp. BID.
- In another study selected individuals exhibiting increased levels of ox LDL were given one tsp BID for three weeks. Collected results show significant reductions of ox LDL blood levels by on the average -69%. Blood levels of 8-isoprostanes and total peroxides were reduced by -25% and -20% respectively.
- Anti-microbial - recent a joint study at Johns Hopkins and the French National Scientific Research Center it was discovered that sulforaphanes kill *H. pylori* (More research needed).
- Green technology: Advanced proprietary freeze-drying technology to produce High Active cruciferous sprout blend than is microbial free.
- Serving size - one heaping tsp. (4 grams) daily for twenty days for corrective therapy. Three tsp per week for prevention therapy.
- No filler, flowing agents or excipients of any kind.



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### (8) **Cruciferous Sprouts Complex (capsules)**

- Green Technology for highest phytonutrient potential.
- Pure mixture of broccoli sprouts, daikon radish sprouts, red radish sprouts, watercress sprouts, kale sprouts, mustard sprouts, and cabbage sprouts; yielding typically 10,000 ppm glucosinolates.
- The human body has an internal system in place to scavenge free radicals- the Antioxidant Defense System. It is driven by a group of genes that transcribe the powerful Phase 2 Proteins (P2P).
- P2Ps play a major role in the protection of neural, stem and endothelial cells, in detoxification and in cancer prevention. Their ample expression is important for the reduction of oxidative stress throughout the body and for prevention of diseases associated with extended oxidative stress.
- The Cruciferous Sprouts Complex combination of sprouts powerfully stimulates the genetic expression of these critically important protective enzymes. There are approximately twenty P2Ps; enzymes such as quinone reductase, glutathione transferase, epoxide hydrolase and heme oxygenase.
- Quinone reductase is commonly used to measure tested materials ability to induce P2P. Recent tests have shown the Cruciferous Sprouts Complex has the ability to stimulate QR activity in human peripheral blood cells.
- Panaxonase 1 (PON1) is a human blood enzyme directly associated with reduction of oxidized LDL (oxLDL)- a very dangerous free radicals (ROS). The more PON1 in the blood, the less oxLDL. Tests confirm that the Cruciferous Sprout Complex stimulates the liver's expression into the blood of PON1, thereby reducing oxLDL levels on the average by 69%.
- Cholesteryl Ester Transfer Protein (CETP) is an enzyme that when found in high amounts in the blood is associated with low levels of good cholesterol- HDL. Tests demonstrate that the constituents in the Cruciferous Sprouts Complex reduces CETP expression by liver cells, thereby lowering CETP levels in the blood, resulting in the increase of HDL blood levels. In our tests HDL levels were increased on the average by 29% in one month.
- Phase 2 Liver Detox is governed by the Phase 2 Enzymes. The Cruciferous Sprouts Complex in human clinical trials has demonstrated the ability increase liver cell output of P2Ps on the average by 2.6 times in 20 days.
- Serving size- 2 to 4 capsules BID, taken away from food.
- No filler, flowing agents or excipients of any kind.



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**(9) Fructo Borate Complex**

- Patented technology to produce a new form of boron supplementation (US patent)- a carbohydrate bound boron.
- Exact duplicate of dietary boron found in fruits, vegetables and nuts.
- Association Constant high - receptor sites systemically receive entire molecule.
- Osteoporosis - reduces excretion of Mg and Ca, re-mineralizes bone.
- Use therapeutically against osteoarthritis- reduces pain and swelling and increases mobility.
- Down-regulates immune system from over-reacting at the neutrophil level.
- Anti-oxidant - increases SOD and Catalase production.
- Anti-aging - increases Vitamin D and Steroid hormone levels (DHEA, testosterone and estrogen) in the blood.
- Anti-cancer - reduces PSA marker for prostate cancer.
- Increases energy- enhance thyroid function by reducing adrenal stress.
- Serving size - one capsule (240mg fructoborate and 260mg calcium ascorbate).
- Clinical use - 1 to 2 capsules BID to reduce pain and regenerate bone; 1 capsule every other day to 1 capsule daily for maintenance.
- No fillers, flowing agents, etc. Each capsule supplies 6mg of elemental boron.



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**(10) Chromium, Bio-organic with Beet**

- Patented technology to produce a potent new form of trivalent chromium (US Patent) presented in a food-derived organic carrier.
- Superior activity to other forms of chromium; safe, stable, water-soluble.
- Green Technology utilized to produce organic red beet root with High Active betalain content.
- Glucose metabolism - improves insulin efficiency; decrease insulin resistance.
- Reduce fasting and postprandial hyperglycemia by up to 33%.
- Cardiovascular health - chromium moderates hypertension and hypercholesterolemia, betalains reduce isoprostanes by 30% in humans.
- Weight management - chromium, bio-organic with beet, stimulates muscle growth, improves sports performance, aids in loss of body fat.
- Antioxidant - betalains neutralize highly oxidative hypochlorous acid, betalains are 3-4 times more potent antioxidant than Vitamin C, betalains induce phase 2 proteins (the bodies endogenous antioxidant system).
- Serving size - 1 capsule (500µ of trivalent chromium + 250mg of beet) daily.
- Therapeutic dose- 1 to 2 capsules daily.
- One capsule daily or every other day as prevention.
- No fillers, flowing agents or excipients of any kind.



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**(11) Cranberry Pomegranate Synbiotic Formula**

- Traditional Bulgarian lactic acid bacteria + Supernatant + fruit and berry extract + fiber + D-Mannose.
- Microbiome Technology makes possible the production of hardy and viable pedigreed strains of pure cultures of Traditional Bulgarian strain probiotics.
- 15 billion *L. casei*, *L. acidophilus* and *B. longum*.
- 62.5 mg of Supernatant (inactive cells of *L. bulgaricus*, *S. thermophilus* plus their metabolites).
- Green technology: Advanced proprietary water extraction and freeze-drying technology to produce the Cranberry and Pomegranate Extract.
- 125mg organic Cranberry Extract (freeze dried) and 62.5mg organic Pomegranate Extract (freeze dried).
- 62.5mg Inulin, a soluble fiber from organic Chicory Root fiber.
- 62.5mg D-Mannose, an essential sugar.
- Urogenital system support- reverses and protects against UTI.
- Kidney Support- enhancing glomerular filtration.
- Gastrointestinal system support- by colonizing the GI tract, reducing the intestinal pH, creating an unfavorable environment for *E. coli* and other potential pathogens.
- Production of antibiotic-like substances called bacteriocins.
- Stimulating healthy SigA production, as well as reduce pro-inflammatory cytokine profiles.
- Increasing glycosylation of intestinal mucins (MUC2 and MUC3), which protects the intestinal cells against pathogenic adhesion.
- Inulin fermentation produces SCFAs such as butyric acid that stimulate healthy cell turnover, improving tight junctions, reducing risk of colon cancer.
- Cardiovascular system support- Pomegranate supports a healthy inflammatory response, lipid levels, and resistance to infection through suppressing bacterial and fungal growth.
- Serving size- one vegetarian capsule (500mg) daily.
- One capsule daily or every other day as prevention.
- No fillers, flowing agents, excipients of any kind.



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(12) **Supernatant Synbiotic Formula**

- Traditional Bulgarian lactic acid bacteria + Supernatant + fiber
- Microbiome Technology makes possible the production of hardy and viable pedigreed strains of pure cultures of Traditional Bulgarian strain probiotics.
- Standardized referenced material with molecular identity confirmed routinely by DNA sequencing.
- Developed to protect against hospital generated nosocomial infections.
- Traditional strains of *B. longum*, *B. infantis*, *L. casei*, *L. acidophilus*, *L. helveticus*, *L. bulgaricus* (multi-strain), *S. thermophilus* (multi-strain). Amount- 15.75 billion per capsule
- Supernatant is a combination of inactive probiotic cell populations of traditional Bulgarian strains of *Lactobacillus bulgaricus*, *Streptococcus thermophilus*, and *Bifidobacteria*, and their metabolites.
- Metabolites include lactic acids, amino acids, folates, bacteriocines, bio-surfactants and various beneficial enzymes such as bile salts hydrolase and lactase. Amount- 100mg per capsule
- Inulin derived from organic chicory root, functioning as a prebiotic. Amount- 50mg per capsule.
- GI tract protection- colonizes the GI membrane, protecting the membrane from colonization by pathogenic bacteria including *C. difficile*.
- Reduces intestinal pH, creating an unfavorable environment for *C. difficile*.
- Releases antibacterial substances such as bacteriocines, which suppress the growth of pathogenic bacteria.
- Enhances Digestion by producing metabolic substances such as vitamins, folic acid, folates, amino acids and enzymes.
- Provide immunogenicity that helps regulate the immune responses during CDAD.
  - Activates a highly preferable, non-specific healthy immune response.
  - Catalyzes a rapid healthy activation of cell-mediated immune response components (Th1 and Th2) and blood serum antibodies (B cells).
- Stimulate healthy production of mucins for the protection of the GI tracts lining cells.
- Increase the absorption of liquids (decreasing symptoms of diarrhea) and minerals including sodium, which is responsible for watery stools.
- Lower blood pressure through ACE inhibition from *L. helveticus* and supernatant.
- Serving size- one vegetarian capsule (500mg) daily.
- 1 capsule daily or every other day for prevention
- No fillers, flowing agents, excipients of any kind.



**COMMENTS**

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**(13) No. 7 Systemic Booster**

- Traditional Bulgarian Lactic Acid Bacteria + Supernatant + berries and fruit + fiber + minerals + vitamins + cell rejuvenating compounds.
- Microbiome technology creates hardy and viable pedigreed strains of pure cultures of Traditional Bulgarian Strains of standardized referenced material with molecular identity confirmed routinely by DNA sequencing.
- Traditional Bulgarian Strains of *L. casei*, *L. acidophilus*, *L. helveticus*, *B. longum*, and *B. infantis*.- 10.5 billion per tsp.
- Supernatant- inactive cells of *L. bulgaricus*, *S. thermophilus* and metabolites- 62.5mg per tsp.
- Pure mix of organic freeze-dried high actives whole fruit and fruit extracts utilizing our Green technology: proprietary extraction methods and advanced freeze-drying technology.
- Green technology: Advanced proprietary water extraction and freeze-drying technology to produce High Active whole berries and fruit extracts.
- Organic freeze dried Tart Cherry (whole fruit), Cranberry (whole fruit and extract), Pomegranate (whole fruit and extract) and Pineapple (whole fruit)- 125mg of each.
- Inulin (soluble fiber derived from organic chicory root fiber)- 3.5 grams per tsp.
- Activated Barley Sprouts (freeze dried)- 125mg.
- Calcium Fructo Borate- 125mg
- L- Carnitine and L- Carnosine- cell rejuvenating compounds- 62.5mg of each.
- Vitamin D3- 1000 IU per tsp
- Folic Acid- 400mcg per tsp.
- The No 7 Systemic Booster components work together as a daily Therapeutic Food to strengthen the function of the immune system, gastrointestinal system, osteo-skeletal system, cardiovascular system, endocrine system, uro-genital system, respiratory system and the neurological system.
- Serving size- one teaspoon daily.
- ½ to 1 tsp daily or every other day as prevention.
- No fillers, flowing agents or excipients of any kind



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#### (14) **Chlorella, Organic**

- Chlorella contains all the factors necessary to bring forth new life.
- Chlorella is a one-celled green alga—amongst the first of green plants to emerge 2.5 billion years ago.
- Chlorella is the world’s richest source of chlorophyll with nearly 10 times the amount of chlorophyll found in alfalfa.
  - Because of its chlorophyll content Chlorella is perhaps the most powerful plant in the world in capturing the Sun’s energy, converting it into chemical energy—captured in its organic molecules.
  - Chlorella has the fastest growth rate of any plant—one cell would become enough cells to equal the volume of the earth in 63 days.
- In the world today there are over a billion people who are starving, and over a billion who are overweight—both are malnourished.
  - Chlorella is a powerful, complete whole food with tremendous potential, because of its growth rate and nutritional content, for feeding a malnourished and starving world—this has been the primary thrust for the robust research on Chlorella, around the world, over the last 50 years.
  - Chlorella like other algae, diatoms and cyanobacteria are called phytoplankton, forming the base of the aquatic food pyramid—ultimately, the foundational food for all of life!
  - It has the highest percent of protein of any food on earth.
  - Chlorella contains the most macronutrients—over 50% protein, 12% lipids in the form of ALA and GLA, 23% carbohydrate, 0.3% fiber and 411 calories per 100 grams.
  - Chlorella is a complete whole food with over 5mg/g carotenoids, over 1.3mg/g nucleotides, 16 types of vitamins, 14 types of minerals.
- It is the combination of all these attributes and more that makes Chlorella a perfect Therapeutic Food. Its benefits are many.
  - Chlorella enhances the digestive system—providing its own enzymes to help digest foods. It enhances the growth of good bacteria, which supply their own suite of enzymes to assist our digestion of food.
  - Detoxification—helps remove dioxin, mercury, lead and other heavy metals and toxins from the bowel via its broken cell walls and its chlorophyll. This enhances and stimulates healthy bowel functioning.
  - Supports the immune system—seventy percent of the immune system resides in the gut. By detoxifying the gut and facilitating good bacterial growth chlorella enhances the functioning of the immune system.
- Chlorella as a Therapeutic Food supplies nutrients needed by the body’s organs and system to repair tissues, efficiently working with the eliminative organs to keep the body free of toxic wastes.
  - Purifies the blood—aids in processing more oxygen by building up the hemoglobin content of the red blood cells, boosts our energy and increases our sense of well-being almost immediately.
  - Improves metabolism.
  - Regenerates tissue—Chlorella, through its chlorophyll and the growth factor has the power to regenerate our bodies at the molecular and cellular level and



is known to help cleanse the body, fight infection, heal wounds and promote the health of the circulatory system.

- Strengthens the bowel—Chlorella stimulates the growth of the probiotic bacteria, and chelates out heavy metals
- Cleanses key organs of the elimination system—bowel, liver, blood, kidney and skin.
- Lowers blood pressure.
- Lowers blood sugar.
- Strengthens the immune system with its antioxidant content, with its ability to support the growth of healthy probiotic bacteria that protect the mucous membranes such as in the GI tract.
- Promotes healthy digestion—produces pepsin and chlorophyllase, stimulates the growth of lactic acid bacteria which help us to digest our foods.
- Alkalizes the body.
- Freshens the breath.
- All of the specifics in this writing are based on the certificates of analysis of our particular chlorella.
- BioImmersion’s Chlorella is certified organic by CERES Certification of Environmental Standards (Germany), NOP Certificate of Organic Operation (USA), and Fair For Life Certification (Switzerland) and by IMO (Switzerland)—a certifying organization that hold to the biodynamic principles of organic farming.
- One of the most researched species of Chlorella has been *vulgaris*. Each tablet of the Therapeutic Foods Organic Chlorella contains 500mg of *Chlorella vulgaris* and *Chlorella regularis*—broken cell.
- No fillers, flowing agents or excipients of any kind.
- Combination of Green Technology for highest phytonutrient potential and Microbiome Technology for purity of species.

## COMMENTS

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## (15) **Ultra Minerals**

- About 70 million years ago, Earth's fertile, mineral-rich soil produced lush green forests and wholesome, succulent, wild fruits and vegetables.
- This was an era when the soils near the earth's crust contained at least 84 minerals.
- According to scientists all life at that time, whether plant or animal, was extremely healthy and this was a direct result of the plants' ability to extract at least 70 or more minerals from the soil.
- Healthy, mineral rich soil, filled with an abundance of microbes, makes for healthy plants, which makes for healthy animals, which in turn makes for healthy soil—life builds upon life.
- However, to borrow from the famous Apollo 13 quote, *"Houston, We've got a problem."*
- In the last 50 years we've seen the destruction of over 50% of our supply of topsoil needed for food production. Extensive topsoil has been lost through the overuse of inorganic fertilizers, erosion and farming practices that deplete soil elements and microbes.
- Today, the soil around the world shows no more than 20 minerals. The soil in the North American continent has had an average of 85% minerals depletion in the last 100 years— the worst of any other country in the world.
- *"The alarming fact is that food- fruits, vegetables and grains- now being raised on millions of acres of land that no longer contains enough of certain needed nutrients, [minerals and microbes], are starving us no matter how much we eat of them."* (US Senate Document 264, 1936).
- The eminent scientist and two-time Nobel Laureate Linus Pauling claimed that, *"You can trace every sickness, every disease, and every ailment to a mineral deficiency."*
- Ultra Minerals delivers a full spectrum of important plant-based elements/minerals in varying trace amounts, the great majority of which are absent from our foods and the mineral supplements currently on the market.
- Plant based minerals that are naturally chelated through plant root uptake and digestion.
- Ultra Minerals are cold-water extracted trace minerals from a pristine source of Mesozoic Vegetate. The colloidal solution is then drum dried to a fine mineral powder.
- They form direct hydrogen bonds with water and are therefore water-soluble and nearly 100% absorbable, without digestion, even through the skin.
- Each bottle contains 60 vegetarian capsules with 150mg of 72 negatively charged, hydrophilic, nano-sized trace minerals. There are no excipients of any kind.



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17) **Phyto Power**

- Rosehip, wildcrafted, whole fruit and seeds (100% w/w), refractory dried, three Rosa species, 200mg per capsule.
- Dandelion, wildcrafted, aerial parts (90% w/w), root (10% w/w) with flower, refractory dried, four Taraxacum species, 200mg per capsule.
- Blueberry, wildcrafted, fruit (>90% w/w), leaves and stem (<5% w/w), refractory dried, four Vaccinium species, 100mg per capsule.
- Robust consumption of the flavonoids reduces the risks of CVD, arthritis, diabetes, cancer, dementia, neurological disease, chronic degenerative diseases, the diseases of aging. Phyto Power is loaded with flavonoids.
- Cultures that consume robust amounts of flavonoids and phytochemicals are cultures with robust longevity.
- The rosehips, the dandelions, and the blueberries are sustainably wildcrafted which means they come straight from Mother Nature-hand picked in the wilderness by the indigenous peoples of Alaska.
- The high-actives of this product, due to the intensity of their natural environment, are quite literally "off-the-chart".



**COMMENTS**

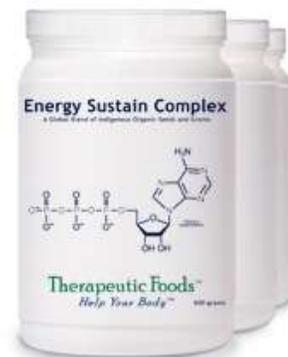
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## 18) Energy Sustain Complex

- *Energy Sustain Complex* is a global blend of indigenous organic seeds and grains whose importance as a staple food can be traced back 8,000 years ago- enabling the emergence of the Neolithic Revolution.
- The Neolithic Revolution (8000 BC) signifies the social evolutionary transformation of humankind from being strictly hunter/gatherers to becoming village people, implementing horticulture and the beginning agriculture—enabling civilization to develop.
- Energy Sustain's plant based materials come from USA organically grown amaranth, buckwheat, chia, quinoa and millet-the first four being true seeds, with millet being a true grain.
- Organic crops such as millet arose in China and Africa, amaranth in Mexico, quinoa in Peru, buckwheat in Himalayas, and chia amongst the Indians in the Southwestern US-all crops with tremendous health sustaining potential.
- **Millet** like buckwheat and quinoa is a non-acid forming food, easy to digest and considered to be one of the least allergenic grains. It's 15% protein, and high in fiber, B Complex vitamins (including niacin, thiamin, folic acid and riboflavin), Ca, Fe, K, Mg, Zn, P, methionine (an amino acid) and lecithin. It's a staple food of the Hunzas, a society renowned for robust longevity. Millet's glycemic load is 21.
- **Amaranth** was used by the Aztecs both for food and in their religious ceremonies. It has 12% protein and is high in lycine and methionine (amino acids), fiber (three times the fiber of wheat), iron (five times that of wheat), K, P and Ca (two times more than milk), Vitamin A and C. It is 90% digestible. Amaranth's glycemic load is 21.
- **Buckwheat** is over 8000 years old as a human staple. The Yi people of China consume a diet high in Buckwheat. When researchers tested blood lipids of 805 Yi Chinese, they found that buckwheat intake was associated with lower total serum cholesterol, lower LDL, and high HDL. Its an excellent source of lysine, threonine, tryptophan and sulfur amino acids. Buckwheat's glycemic load is 44.
- **Quinoa** was revered as sacred by the Incas, and rightly so-it is a super food. Uniquely balanced in all nine essential amino acids needed for tissue development in humans, it is one of the best plant sources of proteins. Quinoa is higher in calcium, phosphorus, magnesium, potassium, iron, copper, manganese, and zinc than wheat, barley, or corn. Quinoa is one of nature's most complete foods. It's glycemic load is 18.
- **Chia** is a magical whole food with a glycemic index of 1. It's use as an energy, life- sustaining food dates back back to the your 7000 BC. It is 20% protein, 25% dietary fiber, has an unusually high level of omega 3s. Aztec warriors subsisted primarily on Chia. It is called the running food. Indians running from the Colorado to the California coast to trade turquoise for seas shells would only bring Chia seed for their nourishment. Chia's glycemic load is 1.
- In regards to energy production, our body must breakdown carbohydrate to its simplest form- a glucose molecule, which in turn as it is processed through



glycolysis, the Krebs cycle, and the electron transport chain, can result in the production of 36 ATP molecules. ATP is the body's energy currency.

- The key is maintaining healthy and appropriate amounts of glucose in the blood stream. Blood glucose levels are controlled by several means. One is how fast glucose is entering the blood stream from the diet and the other is the blood level ratio of two hormones secreted from the pancreas—insulin and glucagon.
- **Energy Sustain** is gluten free, and processed in a way that cooks the seeds and grain without destroying nutrient values, while at the same time liberating their nutrient and soluble fiber for maximum digestibility.

## COMMENTS

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## 19) **No. 4 Systemic Booster**

- No. 4 Systemic Booster is made up of two basic components: 7-Keto DHEA which is a downstream metabolite of DHEA, and seaweed extract derived from two different species of wild brown seaweed—kelp (*Ascophyllum nodosum*) and bladderwrack (*Fucusvesiculosus*).
- 7-Keto cannot be metabolized to the sex hormones—testosterone or estrogens.
- 7-Keto has shown to be up to 10 times more potent than DHEA (on a unit for unit basis) in the areas of immune system modulation, memory enhancement and weight loss.
- As we age we tend to store more fat, simply because our body is less efficient converting stored body fat to energy.
- Additionally, when we diet and employ a caloric restriction, our body very quickly slows down its metabolism, making it more difficult to loose fat weight.
- The good news is that in individual studies, 7-Keto DHEA and Seaweed Extract demonstrate healthy support of weight loss as 7-Keto enhances the metabolic rate by promoting thermogenesis (the burning of fat), while seaweed polyphenols help facilitate the balancing of healthy insulin levels.
- Regarding weight loss, 7-Keto promotes thermogenesis, the process of burning stored body fat for energy. In short, it opens up the fat burning pathways.
- The extracts of wild kelp and bladderwrack are especially rich in polyphenols and low in iodine (lower than iodized salt).
- They provide a dual-action inhibitor of alpha amylase (digestion of starch and maltodextrin) and alpha glucosidase (digestion of table sugar). No lactase inhibition.
- Digestion of carbs is slowed down, not blocked. You eat 100 calories, you digest 100 calories, but in a healthier way (lowers the need for insulin).
- In clinical trials relative to our specific combination of two seaweeds, the following was observed: (1) reduced post-meal blood glucose by 48%, after a starch meal, (2) reduced post-meal insulin by 12% after a starch meal, (3) increased insulin sensitivity by 8% after a starch meal; (4) had a similar effect in healthy and diabetic individuals, and (5) put the body in a state of low insulin—perfect for weight loss.
- The beauty of the combination is that they help the body to burn stored body fat for energy, thereby helping one to loose weight as body fat, improving their lean body mass.
- Serving size- 1 capsule twice daily before two largest meals. Each capsule contains 50 mg of 7-Keto DHEA and 125 mg of the polyphenolic extract from wild kelp and bladderwrack.



**COMMENTS**

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