

SPIRULINA

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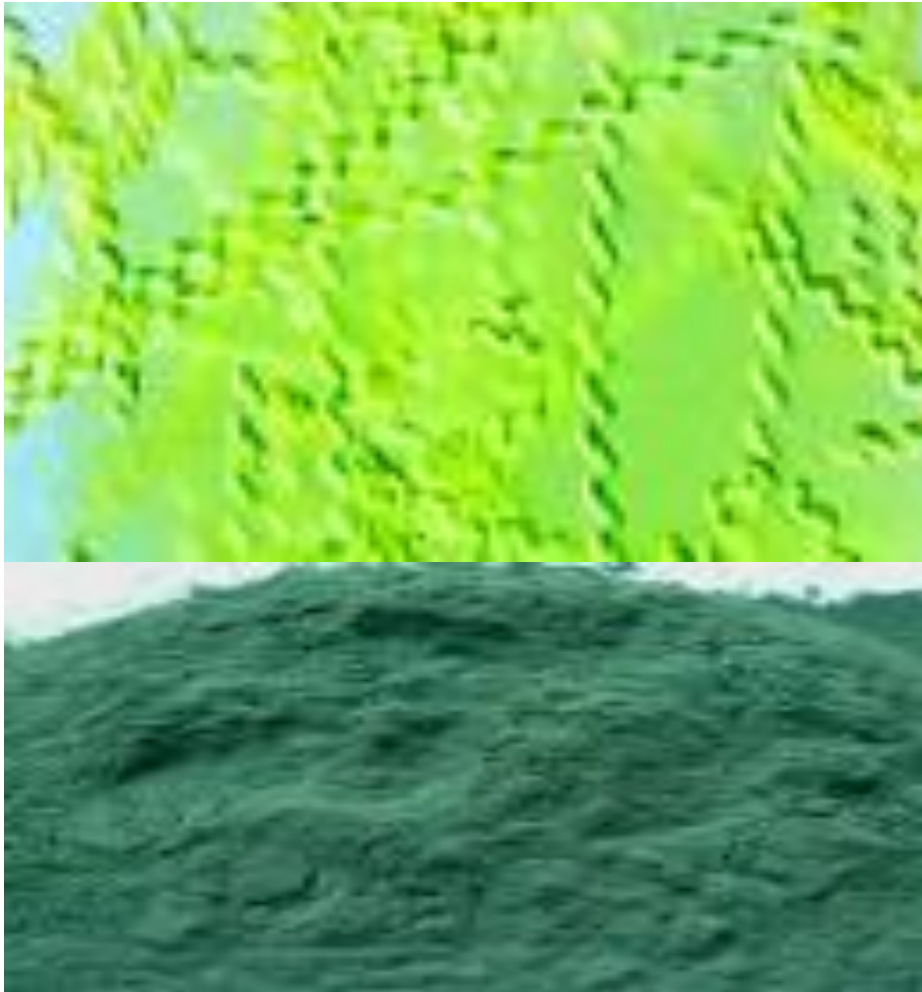
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WORLD'S HEALTHIEST SUPER FOOD



TRUTH ABOUT SPIRULINA

- First photosynthetic life form designed by nature 3.6 billion years ago.
- Dr. Darwin discovered the first the spiral shaped algae.
- Produce oxygen in our atmosphere and allow all higher life forms to allow evolve.
- Awarded “[The Best Food for Tomorrow](#)” in International protein of Micro-organism conference.
- Contains billions of years of successful evolutionary wisdom coded in its DNA.

Truth Contd.....

- Can produce 20 times more protein per acre than soybeans.
- Won the award of “**Best Natural Food**” in the International Food expo in West Germany.
- National Cancer Institute of USA announced sulfolipids from Spirulina were remarkably active in test tube experiments against the **AIDS virus**.
- **NAASA recommended Spirulina tablet as a food for the astronauts while in space.**
- Recognized by FDA as an “**excellent Nutritional Supplement**”

Physical Properties

General Analysis

Composition	100% Spirulina	Protein	50 to 70 %
Appearance	Tablets	Carbohydrates	15 to 25 %
Color	dark blue-green	Fats	06 to 08 %
Odor / Taste	similar to seaweed	Minerals (Ash)	07 to 13 %
Bulk Density	.35 to .60 kg/lt	Moisture	03 to 07 %
Particle Size	64 mesh	Fiber	08 to 10 %

VITAMINS (PER 10 GR / % DAILY VALUE)

Vitamin	per 10 Gr	Daily Value	% DV	Vitamin	per 10 Gr	daily value	% DV
A	23000 IU	5000 IU	460 %	B1(Thiamine)	.35 mg	1.5 mg	23 %
Beta Carotene	14 mg	3 mg	460 %	B2(Riboflavin)	.40 mg	1.7 mg	23 %
C	0 mg	60 mg	0 %	B3 (Niacin)	1.4 mg	20 mg	4 %
D	1200 IU	400 IU	300 %	B6(Pyridoxine)	80mcg	2.0 mg	4 %
E	1.0 mg	30 IU	3 %	Folate	1 mcg	0.4 mg	0 %
K	200 mcg	80 mcg	250 %	B12(Cobalamin)	20 mcg	6 mcg	330 %
Biotin	0.5 mcg	0.3 mg	0 %	Pantothenic Acid	10 mcg	10 mg	1 %
Inositol	6.4 mg	0	0 %				

MINERALS (PER 10 GR / % DAILY VALUE)

Mineral	per 10 Gr	Daily Value	% DV	Mineral	per 10 Gr	Daily Value	% DV
Calcium	70 mg	1000 mg	7 %	Manganese	0.5 mg	2 mg	25 %
Iron	15 mg	18 mg	80 %	Chromium	25 mcg	120 mcg	21 %
Phosphorus	80 mg	1000 mg	8 %	Molybdenum	0 mcg	75 mcg	0 %
Iodine	0 mg	150 mcg	0 %	Chloride	0 mg	3400 mg	0 %
Magnesium	40 mg	400 mg	10 %	Sodium	90 mg	2400 mg	4 %
Zinc	0.3 mg	15 mg	2 %	Potassium	140 mg	3500 mg	4 %
Selenium	10 mcg	70 mcg	14 %	Germanium	60 mcg	0 mg	0 %
Copper	120 mcg	2 mg	6 %	Boron	0 mg	0 mg	0 %

SPIRULINA as a source of energy

- *Spirulina is rich in amino acids, Iron, Magnesium, Zinc, and Vitamin B which are **anti-stress** and **anti-fatigue** nutrients. It is also beneficial against anxiety.*



*Memorial Sloan-Kettering Cancer Center,
New York, New York, USA 2001*

BENEFITS OF CHLOROPHYLL

- Increases peristaltic action and thus relieves **constipation**
- Normalizes the secretion of digestive acids
- Promote the degeneration of **damaged liver** cells
- **It dilate the blood vessels** thus increasing circulation to all organs

EFFECTS ON THE HUMAN BODY

- Anti Viral
- Prevention of Obesity
- Cholesterol reduction
- Nutrition supplement
- Anti Cancer
- Prevention of Diabetic Complications
- Immunomodulation
- Haemotopoiesis
- Kidney and Liver detoxification
- Lactobacillus improvement in the Gastro Intestinal Tract
- Radiation protective effects

OTHER BENEFITS OF SPIRULINA

Relieves constipation

Alleviates Insomnia

Reduces alcoholism

Improves appetite

Improves vision

Reduces pimples

Reduces allergic Dermatitis

Prevent heart diseases

Low BP

Peptic and duodenal ulcers

Asthma

Neuralgia

Colitis

Restore Skin glow

Improves mobility

Reduce frozen shoulder

Improves hair growth

Restore hair growth

Restores vitality

Help in high BP

Gastritis

Piles

Cataract

Bronchitis

Arthritis

Menopausal Troubles

Fatigue and Stress

Affects everybody



FATIGUE, *if not controlled,
may cause:*

- Anxiety and Depression
- Sudden Heart attack
- Mental dysfunction
- Gastric ulcer
- Alopecia (hair loss)
- Constipation
- Impotence



*Charles Patrick Davis, MD, PhD
Benjamin Wedro, MD, FACEP, FAAEM*

Fight stress and fatigue in a proactive way!



Lifecare Experience



SPIRULINA promotes wound healing

- *Spirulina was used as a skin cream to promote faster wound healing. A study in Japan proved that the arginine-rich Spirulina improved enzymatic hydrolyzation of the skin and prevented bacterial and fungal infection of wounded skin.*

*Spirulina Special Report
University of Kyoto, Japan, 2011*

Spirulina for pregnant and nursing mothers

- **SPIRULINA** *has 25% gamma-linoleic acid (GLA). GLA, together with DHA, is essential for brain development of the fetus and the growing infant after birth.*

*Journal of Critical Review on Food and
Nutritional Science, vol. 51, p. 593-604
United States Pharmacopeia*



Spirulina for Menopause

- **Spirulina** contains the amino acid **ARGININE**, which helps control **hormonal imbalance and mood swings**. 4 tablets by mouth daily for 8 weeks **lowers anxiety and depression** in women with hormonal imbalance, and improves the symptoms of menopause.

*Natural Medicine Comprehensive Database,
National Institute of Health, USA; 1998*



Spirulina
TABLET

Spirulina and the *Aging Process*

- *Spirulina* contains **ARGININE** which triggers the production of Growth Hormone (**GH**).
- **GH** in adults help to delay the aging process, prevent muscle wasting, and premature cell death.
- **GH** is changed by the body to *Nitric Oxide* which prevent inflammation and hasten wound healing.

Role of *Spirulina* in Prevention of Diabetes type 2:

Experiment:

*25 diabetic patients given 2 g/day **Spirulina** for 2 months, and 25 non diabetic patients as control group.*

Result:

*2-month supplementation with **Spirulina** resulted in an appreciable lowering of FBS and postprandial blood glucose levels. A significant reduction in the HbA(1c) level was also observed, indicating improved long-term glucose regulation.*

*Journal of Plant Medicine, December, 2011
US National Institute of Health, USA*

The Role of *Spirulina* in lowering Blood Cholesterol

- **Experiment:** 52 adults ages 37-61 yrs. old with high cholesterol given 1 gram *Spirulina* for 12 weeks.
- **Result:** By the end of the study, fasting blood samples showed a significant 16% decrease in Total Cholesterol, 78% decrease in LDL (bad cholesterol) and Triglycerides.

*Annals of the Science of Metabolism,
Journal of the Science of Food and Agriculture
November 14, 2013, USA*

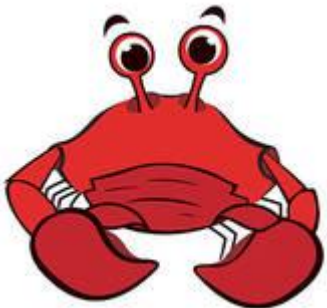
Spirulina Supports the Immune System

- **Spirulina** increases production of antibodies, infection-fighting proteins, and other cells that improve immunity and help ward off infection and chronic illnesses
- *Source: Spirulina | University of Maryland Medical Center*
<http://umm.edu/health/medical/altmed/supplement/spirulina>



Spirulina as aid in the prevention of cancer

- **Phycocyanin** found in *Spirulina* helps prevent cancer development by enhancing the body's production of specialized White Blood Cells (*Natural Killer cells, Interferon gamma, and T-lymphocytes*) which naturally kills the pre-cancer cells or oncogenes.



*Department of Microbiology and Immunology,
Hokkaido University, Graduate School of Medicine
Hokkaido, Japan, December 9, 2013*

WHY DXN SPIRULINA?

- DXN Spirulina has been sourced from specially designed farms where it is cultivated using ecological farming methods which preserve all the active ingredients and thereby confirms international standards

WHY DXN SPIRULINA?

- Highest safety profile:

Microbiological:

Coli form - Negative

E.Coli - Negative

Salmonella - Negative

Staphylococcus - Negative

REMEMBER: *The 9 most important benefits of Spirulina*

- 1. powerful anti-oxidant/ anti-cancer
- 2. powerful anti-stress, anti-fatigue
- 3. reduces blood cholesterol
- 4. reduce inflammation of muscles
- 5. powerful anti-allergy
- 6. prevents eye diseases
- 7. keeps bacteria and virus away
- 8. powerful immune system booster
- 9. great source of protein

