



a wild-crafted product

## Wild AFA™ Organic Microalgae - *Aphanizomenon flos-aquae* (AFA)



### Physical Properties

Appearance	Green powder
Plant Part Used	Whole algae
Odor & Taste	Characteristic
Bulk Density	0.2-0.7 g/mL
Particle Size	90 - 95% through 50 mesh

### General Composition

	g/100 grams
Calories	300-400
Protein	60-65
Total Carbohydrates	30-35
Total Dietary Fiber	2-7
Total Fat	4-6
Saturated Fat	1.8-2.4
Monounsaturated Fat	0.0-0.5
Polyunsaturated Fat	1.7-2.7
Trans Fat	<0.1
Sugars	1.5-3.0
Minerals	6-7
Cholesterol	<1 (mg)
Moisture	<8

### Vitamins

	mg/100 grams
Vitamin B1 (Thiamine)	1.7 - 2.1
Vitamin B2 (Riboflavin)	4.0 - 5.0
Vitamin B3 (Niacin)	36 - 44
Vitamin B6 (Pyridoxine)	1.3 - 1.6
Vitamin B12 (Cobalamin)	0.3 - 0.4
Ascorbic Acid (Vit C)	36 - 44
Choline	117 - 143
Folic Acid	0.05 - 0.07
Pantothenic Acid	0.28 - 0.34
Biotin	0.02 - 0.02
Vitamin E	0.09 - 0.11 (IU)
Vitamin K	4.3 - 5.3

### Amino Acids

	g/100 grams
Alanine	3.5 - 4.3
Arginine	2.9 - 3.2
Asparagine	4.4 - 5.4
Aspartic acid	4.1 - 5.1
Cystine	0.2 - 0.3
Glutamic Acid	4.4 - 5.4
Glutamine	7.0 - 8.9
Glycine	2.1 - 2.5
Histidine	0.8 - 1.0
Isoleucine	2.3 - 2.8
Leucine	3.9 - 4.7

Lysine	2.6 - 3.2
Methionine	0.8 - 1.0
Phenyl Alanine	1.9 - 2.3
Proline	1.8 - 2.2
Serine	2.3 - 2.8
Theronine	2.6 - 3.2
Tryptophan	0.5 - 0.7
Tyrosine	1.4 - 1.8
Valine	2.6 - 3.2

Essential Amino Acids	49%
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### Minerals

	mg/100g
Calcium	560
Potassium	1540
Chloride	200

### Minerals

	mcg/100g
Phosphorous	560
Magnesium	1960
Iron	46
Sodium	210
Zinc	760
Copper	580
Manganese	1570
Chromium	20
Selenium	70
Molybdenum	680

### Fatty Acids

	g/100g
Total Essential FA	1.8 - 2.2
Total Omega-3	1.5 - 1.8
Alpha-Linolenic Acid (ALA)	1.5 - 1.8
Total Omega-6	0.3 - 0.4

### Phytopygments

Beta-Carotene	250 (IU)
Chlorophyll	>4
Phycocyanin	>1%
Phenylethylamine	>0.1 %

### Microbiological

Standard Plate Count	<500,000 cfu/g
Yeast & Mold	<10,000 cfu/g
Coliform	<1,000 cfu/g
E.coli	Negative
Salmonella	Negative
Staphylococcus	Negative

### Heavy Metals

Arsenic	<5 ppm
Lead	<0.5 ppm
Mercury	<1 ppm
Cadmium	1 ppm

### Pheophorbides

Total	<100 mg%
Existing	<60 mg%

### Pesticides

	mg/kg
Organophosphorous and OrganoSulfur	<0.70
Halogenated	<2.8
Organonitrogen	<0.7
Phenylurea	<0.03
Carbamate	<0.03

### Algae Toxins

Microcystins	<1 ppm
BMAA	<2 ppm
Aflatoxin	<20 ppb
Anatoxin	<1 ppm
Saxitoxin	<0.5 ppm

Free from pesticides, herbicides, GMO, or additives.

Aquae Care is GMP Registered and  
GMP for Sport™ Registered by NSF.



GMP REGISTERED  
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