

AquaeCare



a wild-crafted product

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



Physical Properties

Appearance	Uniform green powder
Plant Part Used	Whole
Odor & Taste	Characteristic
Bulk Density	0.3 - 0.5 g/cc
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
Polysaturated 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
Threonine	2.6 - 3.2
Tryptophan	0.5 - 0.7
Tyrosine	1.4 - 1.8
Valine	2.6 - 3.2

Essential Amino Acids

49%

Minerals

	mg/100 grams
Calcium	765 - 935
Phosphorous	423 - 517
Magnesium	162 - 198
Iron	63 - 77
Sodium	225 - 400
Potassium	954 - 1,166
Zinc	1.1 - 1.3
Copper	0.9 - 1.2
Manganese	2.8 - 3.4
Chromium	0.11 - 0.13
Selenium	0.03 - 0.04
Chloride	180 - 220
Molybdenum	0.4 - 0.5

Fatty Acids

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

Phytopigments

	mg/100 grams
Beta-Carotene	>25,000 (IU)
Chlorophyll	>500
Phycocyanin	>10,000
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	<10 ppm
Mercury	<0.5 ppm
Chromium	<1 ppm
Selenium	<1 ppm
Cadmium	<0.3 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 mcg/g
BMAA	Negative
Aflatoxin	<20 ng/g (ppb)
Anatoxin	<5 mcg/g
Saxatoin	<60 mcg/g

Free from pesticides, herbicides, GMO, or additives.

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



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