

SPECIFICATION SHEET

BioAstin[®] Natural Astaxanthin 4mg/10 IU Vitamin E (Vegetarian V-Gels[™])

General Description: Astaxanthin extract derived from *Haematococcus pluvialis* microalgae is blended into high oleic safflower oil, and manufactured into 14 oval shaped dark red V-Gels[™]. Average Gross Weight: 681 – 860 mg. Average Fill Weight: 480 - 530 mg. Disintegration/Rupture time: NMT 15 minutes.

Regulatory Status: BioAstin[®] Natural Astaxanthin was FDA-reviewed and allowed as dietary supplement (August 1999). This product is non-irradiated and is free of genetically modified organisms and ingredients (non-GMO). Cyanotech Corporation is ISO and NPA-GMP Certified.

V-Gel[™] Contents: Food Grade high oleic safflower oil (non-GMO), 400-440 mg per gelcap, containing 50-90 mg *Haematococcus* algae extract per gelcap (includes a minimum of 4 milligrams astaxanthin and approximately 40 micrograms of lutein, 64 micrograms of Beta-Carotene, and 72 micrograms of Canthaxanthin*). 10 mg natural non-GMO vitamin E, added to enhance stability (total vitamin E activity = 10 IU). Natural Mixed Tocopherols are added to the microalgae biomass prior to drying as an antioxidant to inhibit oxidation. Gelcaps contain \leq 0.5% Mixed Tocopherols.

V-Gel[™] Shell Composition: (Components listed from most to least in quantity): Corn Starch (Non-GMO), SeaGel[™] (carageenan-seaweed extract), Sorbitol, Glycerin, Water.

Typical Composition:	(+/-10%)	Quality Control:	
Protein	22.0%	Total aerobic bacteria	<1,000 cfu/g
Moisture	3.4%	Total coliforms	<10 cfu/g
Fat	65.5%	<i>E. coli</i>	Negative
Ash	<0.1%	Pesticides	Negative
Carbohydrate	9.1%	Arsenic	<1.0 ppm
Calories (per 100g)	714	Lead	<0.1 ppm
		Mercury, Cadmium	<0.025 ppm each

Storage/Shelf Life: Store V-Gels[™] in original container at room temperature and low humidity. Controlled storage conditions are best for V-Gels[™]. Store within a temperature range of 58° – 86° F (15° – 30° C) and between a relative humidity of 30-50%. Stability is maintained for 3 years after date of manufacture.

Manufacturer: Cyanotech Corporation, Kailua-Kona, Hawaii, USA *Astaxanthin assay: HPLC, method approved by U.S. Food and Drug Administration and Canadian Food Inspection Agency.

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ISO 9001:2008 CERTIFIED QUALITY MANAGEMENT SYSTEM

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