



Date:	Approved:	
Revision No. 1C	References: See Methods	<b>Form QUAL-F218</b>

# SPECIFICATIONS - Cyactiv™

## Product Characteristics

Cyactiv™	<i>Arthrospira platensis</i> or <i>maxima</i> Algae Water Extract
Order	<i>Oscillatoriales</i>
Family	<i>Phormidiaceae</i>
Genus	<i>Arthrospira</i>
Species	<i>Platensis</i> or <i>maxima</i>

## Physical Characteristics

Appearance	Ground powder (2 - 70 mesh)
Color	Brilliant Blue
Odor / Taste	Slight Marine
Moisture	≤ 7%
Density	For Information Only
Phycocyanin	≥ 30 %

## Methods

Cerule QUAL-S169
Cerule QUAL-S170
Cerule QUAL-S153

## Microbiology

Total Plate Count	Less than 10,000 cfu/g	Cerule QUAL-S101
Total Coliforms	Less than 10 cfu/g	Cerule QUAL-S101
Mold & Yeast	Less than 1,000 cfu/g	Cerule QUAL-S101
S. Aureus	Less than 10 cfu/g	Cerule QUAL-S101
E. Coli	Negative / 1 gram	Cerule QUAL-S101
Salmonella	Negative / 25 grams	FDA BAM

## Contaminants

Arsenic Inorganic	Not more than 1 ppm	AOAC 993.14
Cadmium	Not more than 1 ppm	AOAC 993.14
Lead	Not more than 1 ppm	AOAC 993.14
Mercury	Not more than 1 ppm	AOAC 993.14
Microcystin Toxin	None Detected	Cerule QUAL-S113
Organophosphorus Pesticides	Non Detect	
Organochloride Pesticides	Non Detect	EPA 8081B, 8141B, 8270D, 8321B
Pyrethroid Pesticides	Non Detect	

## Regulatory Status & Safety

Stability Considerations	Stable
Incompatibility with	None
Hazardous Decomposition Products	None known
Special Fire Fighting Procedures	None
Unusual Fire and Explosion Hazards	None
Hazardous Polymerization:	Will not occur
Spill / Leakage Procedures	If material is released or spilled: sweep up with broom and discard. Water disposal method: Dispose of in accordance with local, state and Federal regulations with regards to fruit, seed and vegetable handling.
Worker Skin Protection	Normal work wear
Worker Eye Protection	Goggles are recommended in all manufacturing environments
Primary Route of Exposure	Ingestion



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Effects of Over Exposure

None

Emergency First Aid Procedures

Flush eyes with large quantities of water, rinse, rinse other areas with soap and water. Drink large amounts of water.

**Drying Method, Packaging, Storage, Shelf Life**

Drying Method

DLT Hydro•Dri™ or spray dry

Packaging

1 and 10 kg poly lined, Mylar bag, vacuum packaged

Storage Conditions

Store in a cool, dry area not exceeding 70°F/21°C. Keep sealed in airtight containers when not in use.

Shelf Life

Retest at 36 months from date of manufacture.

**Applications**

Available Forms

Ground powder

Typical Dose

1 gram per day