	Date: 6-26-17	Approved:	
	Revision No. R2	References: See Methods	Form QUAL-F278

Specifications - CyaninPlus®

Product Characteristics

CyaninPlus®	<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% [†]	Cerule LABO-S109
Tapped Density	For Information Only	Cerule LABO-S105

Methods

Marker Compounds

*Phycocyanin	≥ 30 %	Cerule LABO-S102
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Microbiology

Total Plate Count	Less than 100,000 cfu/g	Cerule LABO-S110
Total Coliforms	Less than 10 cfu/g	Cerule LABO-S110
Mold & Yeast	Less than 1,000 cfu/g	Cerule LABO-S110
S. Aureus	Less than 10 cfu/g	Cerule LABO-S110
E. Coli	Negative / 1 gram	Cerule LABO-S110
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 (≤0.20ppm LOD)	Cerule LABO-S111
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.

[†]Results rounded to the nearest 10th.

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Worker Skin Protection	Normal work wear
Worker Eye Protection	Goggles are recommended in all manufacturing environments
Primary Route of Exposure	Ingestion

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
Box Label	45.1
Storage Conditions	Store in a cool, dry area. 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

†Results rounded to the nearest 10th.