



Date: 6-27-17

Approved:

Revision No. R6

References: See Methods

Form QUAL-F226**Specifications – Whole AFA Powder™ - All types****Product Characteristics**

AFA Powder™	Whole Organism
Order	<i>Nostocales</i>
Family	<i>Nostocaceae</i>
Genus	<i>Aphanizomenon</i>
Species	<i>Aphanizomenon flos-aquae</i>

Physical Characteristics

Appearance	Ground powder (2 - 70 mesh)
Color	Dark Green to Turquoise
Odor / Taste	Slight Marine
Moisture	≤ 7% [†]
Density	For Information Only

Methods

Cerule LABO-S109
Cerule LABO-S105

Marker Compounds

Phycocyanin	≥ 8% [†]	Cerule LABO-S102
Phenylethylamine	≥ 0.5% [†]	Cerule LABO-S104

Microbiology

Total Plate Count	Less than 100,000 cfu/g	Cerule LABO-S110
Total Coliforms	Less than 1,000 cfu/g	Cerule LABO-S110
Mold & Yeast	Less than 1,000 cfu/g	Cerule LABO-S110
S. Aureus	Less than 100 cfu/g	Cerule LABO-S110
E. Coli	Negative / 1 gram	Cerule LABO-S110
Salmonella	Negative / 25 grams	FDA BAM

Contaminants

Microcystin Toxin	≤ 1 ppm [†]	Cerule LABO-S111
*Arsenic Inorganic	Not more than 2 ppm [†]	AOAC 993.14
*Cadmium	Not more than 1 ppm [†]	AOAC 993.14
*Lead	Not more than 2 ppm [†]	AOAC 993.14
*Mercury	Not more than 0.5 ppm [†]	AOAC 993.14
*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.
Worker Skin Protection	Normal work wear



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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

10 kg poly bag or bulk

Box Label

15.1

Storage Conditions

Store at room temperature. Keep sealed in airtight containers when not in use.

Applications

Available Forms

Ground powder

Typical Dose

3 grams per day

*Skip Lot testing performed for this product.

†Results rounded to the nearest 10th.