

Date: 1-25-19

Approved: Jesse Guthrie Digitally signed by Pric m-lease Guthrie

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Form QUAL-F226

Revision No. R7 References: See Methods

## Specifications – Whole AFA Powder<sup>TM</sup> - All types

## **Product Characteristics**

AFA Powder™ Whole Organism

Order Nostocales
Family Nostocaceae
Genus Aphanizomenon

Species Aphanizomenon flos-aquae

Physical Characteristics Methods

Appearance Ground powder (2 - 70 mesh)
Color Dark Green to Turquoise

Odor / Taste Slight Marine

Moisture  $\leq 7\%^{\dagger}$  DLT LABO-S109 Density For Information Only DLT LABO-S105

**Marker Compounds** 

Phycocyanin  $\geq 8\%^{\dagger}$  DLT LABO-S102 Phenylethylamine  $\geq 0.5\%^{\dagger}$  DLT LABO-S104

Microbiology

Total Plate Count

Less than 100,000 cfu/g

DLT LABO-S110

Less than 1,000 cfu/g

Mold & Yeast

Less than 1,000 cfu/g

DLT LABO-S110

Less than 1,000 cfu/g

DLT LABO-S110

S. Aureus

Less than 100 cfu/g

DLT LABO-S110

Regative / 1 gram

DLT LABO-S110

Salmonella Negative / 25 grams FDA BAM

**Contaminants** 

Microcystin Toxin≤ 1 ppm $^{\dagger}$ DLT LABO-S111\*Arsenic InorganicNot more than 2 ppm $^{\dagger}$ AOAC 993.14\*CadmiumNot more than 1 ppm $^{\dagger}$ AOAC 993.14\*LeadNot more than 2 ppm $^{\dagger}$ AOAC 993.14\*MercuryNot more than 0.5 ppm $^{\dagger}$ 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

<sup>\*</sup>Skip Lot testing performed for this product.

<sup>&</sup>lt;sup>†</sup>Results rounded to the nearest 10<sup>th</sup>.

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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<sup>™</sup> 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