

AstaPure® 3% Natural Astaxanthin Algal Powder

Spray-dried *Haematococcus pluvialis* algal biomass

Free-flowing powder of *Haematococcus pluvialis* biomass

Analytical Specifications

Version 1/14

Physical

Appearance: Red dark powder

Odor: Characteristic

Solubility: Insoluble in water, Dispersible in water. Miscible with oils and non-polar solvents

Moisture: ≤ 5% (karl Fischer)

Heavy Metals:

(DIN EN 14083; ASU 00.00-19/3 (L_SM1))

Lead ≤ 1 ppm
(Limit of 3 ppm in EC 629/2008)

Arsenic ≤ 1 ppm
(recommended limit of 3 ppm)

Mercury ≤ 0.1 ppm
(Limit of 0.1 ppm in EC 629/2008)

Cadmium ≤ 1 ppm
(Limit of 3 ppm in EC 629/2008)

Microbiological

(paragraph 64LFGB)

Total Plate count <1000 cfu/g

Yeast & Mold <100 cfu/g

Coliforms Negative

E-coli Negative

Salmonella Negative (in 25 grams)

S. aureus Negative

Pseudomonas sp. Negative

Chemical

Natural Astaxanthin Complex ≥ 3 %*
(incl. Other carotenoids)

Astaxanthin purity ≥ 95%**
(of total carotenoids)

Natural Astaxanthin ≥ 3 %***

Additives

Lecithin (Topcithin NGM,E322) ≤ 2%

Ascorbyl palmitate (E304) ≤ 1%

DL-alpha-tocopherol (E307) ≤ 0.2 %

Rosemary Oil (E392) ≤ 0.2 %

HPMC (E464,standardizing agent) ≤ 3 %

Silicon Dioxide (E551) ≤ 3 %

Packaging

1, 5 or 10 Kg HDPE containers

Shelf life

Retest after 24 months

Storage

Store in original containers in a cold (≤ 8°C) and dry place. After opening, protect from direct light, high temperature and air as much as possible.

specifications

Safety

information

This product is safe for intended use. It is produced from a toxic-free microalgae *Haematococcus pluvialis*.

Algatechnologies Corporation is GMP, ISO, HACCP, Kosher and Halal Certified

* * Quantified spectrophotometrically against standard (Algatechnologies) in Acetone (λmax 472).

** Determined by reverse phase HPLC

*** Calculated by spectrophotometer and HPLC



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Algatechnologies LTD.

AstaPure®