

AstaPure® 10% Natural Astaxanthin Oleoresin

Supercritical CO2 extract of *Haematococcus pluvialis* algal biomass

Natural esterified Astaxanthin complex supercritical CO2 extract of *Haematococcus pluvialis* algae biomass. Dark red viscous oleoresin, characteristic odor

Analytical Specifications

Version EXT0914

Physical

Solubility Insoluble in water. Miscible with oils and non-polar solvents. Moisture: ≤ 5% (karlFischer)

Heavy Metals (EN 15763:2009):

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)

Chemical

Natural Astaxanthin Complex ≥ 10 %*
(incl. other carotenoids)

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

Natural Astaxanthin ≥ 10% ***

Additives:

Natural rosemary extract ≤ 0.2 %

Standardization agent: Average 5%

Extra virgin olive oil

Microbiological

Total Plate count <1000 cfu/g
(IS 885 part 3)

Yeast & Mold <100 cfu/g
(IS 885 part 8)

Coliforms < 10 cfu/g
(IS 885 part 4)

E-coli < 10 cfu/g
(ISO 16649)

Salmonella Not Detectable / 25g
(IS 885 part 7)

Packaging

1, 5 or 10 Kg HDPE containers

Shelf life

Retest after four (4) years (subject to compliance with the storage specifications).

Storage specifications

Keep sealed in original packaging until its use and under controlled temp. at all times. Recommended to store at 2-5°C. Shipments can be handled at 25°C.

Safety information

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

Regulatory Status

Approved by the EFSA(EU).FDA-reviewed and allowed as dietary supplement (May,2007) and GRAS. Approved by the Israeli Ministry of Health and Japanese authorities. This product is free of irradiated, or genetically modified organisms and ingredients (non-GMO).

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

* * Quantified spectrophotometrically against standard (USP cat#1044200) in Acetone (λmax 472).

** Determined by reverse phase HPLC *** Calculated by spectrophotometer and HPLC

R&D manager: Hadas Richter

Hadas Richter

Algatechnologies LTD.

AstaPure®