

## **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®**