

# AstaReal<sup>®</sup> P2AF

## Product Data Sheet

### Natural Astaxanthin Powder

AstaReal<sup>®</sup> P2AF is a high quality powderized astaxanthin CO2 (solvent free) extract with excellent stability and flow properties. It is free of the eight major allergens as defined by The Food Allergen Labeling and Consumer Protection Act of 2004 (FALCPA). It is also vegetable sourced from the microalgae, *Haematococcus pluvialis*.

|                      |   |
|----------------------|---|
| Description          | Red powder extract  |
| Astaxanthin          | NLT 2.0%<br>(As free form by HPLC)  |
| Chemical Synonyms    | 3,3'-dihydroxy- $\beta,\beta$ -carotene-4,4'-dione<br>(As free form)  |
| Molecular Formula    | $C_{40}H_{52}O_4$<br>(As free form)   |
| Major Allergens      | Compliant to Public Law 108-282 (FALCPA)  |
| Loss on drying       | Less than 5 %   |
| Microbial Data       |   |
| Standard Plate Count | Less than 3000 CFU/g  |
| Mold/Yeast           | Less than 300 CFU/g   |
| Staphylococcus       | Negative/g  |
| Salmonella           | Negative/g  |
| Coliforms            | Negative/g  |
| E. coli              | Negative/g  |
| Heavy Metals         | Less than 20 ppm  |
| Arsenic              | Less than 2 ppm   |
| Cadmium              | Less than 1 ppm   |
| Mercury              | Less than 1 ppm   |
| Lead                 | Less than 0.5 ppm   |
| Composition          | <i>Haematococcus pluvialis</i> algae extract, Dextrin, Mixed Tocopherols, Modified Corn Starch, Gum Arabic, Silicon Dioxide, Sodium Carboxymethylcellulose, MCT, L-Ascorbyl Palmitate, Polyglycerol fatty acid esters |
| Shelf Life           | 24 months   |
| Packaging            | <b>AstaReal<sup>®</sup> P2AF</b> is supplied in 1 kg and 10 kg foil bags with oxygen absorber.  |
| Storage              | Store in sealed containers at or less than 10°C(50°F). Not to exceed 30°C(86°F) during transportation. Avoid light, heat and air.   |



#### AstaReal, Inc.

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To Whom It May Concern:

AstaReal, Inc. confirms that AstaReal<sup>®</sup> P2AF (2% astaxanthin powder) complies with above specification. NASC has verified the test results of AstaReal P2AF conform to the specification and has granted AstaReal provisional status to distribute it to its members.

If you wish to review the COA and test results, please contact us at [contact@astarealusa.com](mailto:contact@astarealusa.com).

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