



## ORYZA OIL & FAT CHEMICAL CO.,LTD.

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## PRODUCT STANDARD

PRODUCT NAME : **ASTAXANTHIN-20**(FOOD)

This product is liquid oil extracted from *Haematococcus pluvialis*. It guarantees a minimum of 20.0 % astaxanthin.

<b><u>Appearance</u></b>	Dark-red to brown viscous liquid with light unique smell.	
<b><u>Astaxanthin (Free)</u></b>	Min. 20.0 %	(Spectrophotometry)
<b><u>Purity Test</u></b>		
<b><u>(1)Heavy Metals (as Pb)</u></b>	Max. 10 ppm	(Sodium Sulfide Colorimetric Method)
<b><u>(2) Arsenic (as As<sub>2</sub>O<sub>3</sub>)</u></b>	Max. 1 ppm	(Standard Methods of Analysis in Food Safety Regulation, The Third Method, Apparatus B)
<b><u>Standard Plate Counts</u></b>	Max. 1×10 <sup>3</sup> cfu/g	(Analysis for Hygienic Chemists)
<b><u>Moulds and Yeasts</u></b>	Max. 1×10 <sup>2</sup> cfu/g	(Analysis for Hygienic Chemists)
<b><u>Coliforms</u></b>	Negative	(Analysis for Hygienic Chemists)

<b><u>Composition</u></b>	<b><u>Ingredient</u></b>	<b><u>Content</u></b>
	Haematococcus Extract	100 %
	Antioxidant (Rosemary Extract)	Less than 0.2 %

**Expiry date** 2 years from date of manufacturing.

**Storage** Store it at a cool (below 5°C), dry place. Filled with nitrogen. Keep it away from high temperature, high moisture and sunlight, and store it in a closed container.

Established Date	March 6, 2006
Revised Date	October 6, 2023
Specification No.	Z-306EN