



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

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### PRODUCT STANDARD

PRODUCT NAME : **ASTAXANTHIN-LS1**(FOOD)

This product is an emulsion liquid of constituents extracted from *Haematococcus pluvialis*. It guarantees a minimum of 1.0 % astaxanthin.

<b><u>Appearance</u></b>	Red to dark-red liquid with unique smell.
<b><u>Astaxanthin (Free)</u></b>	Min. 1.0 % (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>Ingredient</b>	<b>Content</b> (Values are just a guide)
	Glycerin	52.8 %
	Water	14.7 %
	Glycerin Esters of Fatty Acids	12.0 %
	Triglyceride	9.0 %
	Haematococcus Extract	7.5 %
	Enzymatic Lysolecithin	3.0 %
	<u>Mixed Tocopherol</u>	<u>1.0 %</u>
	Total	100.0 %

**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	May 19, 2006
Revised Date	October 6, 2023
Specification No.	Z-306EN