



ORYZA OIL & FAT CHEMICAL CO.,LTD.

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PRODUCT STANDARD

PRODUCT NAME : **ASTAXANTHIN-PC1**(COSMETIC)

This product is a powder extracted from *Haematococcus pluvialis*. It guarantees a minimum of 1.0 % astaxanthin.

<u>Appearance</u>	Red to dark-red powder with light characteristic odor.															
<u>Astaxanthin (Free)</u>	Min. 1.0 %	(Spectrophotometry)														
<u>Loss on Drying</u>	Max. 10.0 %	(1g, 105 °C, 2 hr)														
<u>Purity Test</u>																
<u>(1)Heavy Metals (as Pb)</u>	Max. 10 ppm	(The Second method of The Japanese Standards of Quasi-Drug Ingredients)														
<u>(2) Arsenic (as As₂O₃)</u>	Max. 1 ppm	(The Third Method of The Japanese Standards of Quasi-Drug Ingredients)														
<u>Standard Plate Counts</u>	Max. 1×10 ² cfu/g	(Analysis for Hygienic Chemists)														
<u>Moulds and Yeasts</u>	Max. 1×10 ² cfu/g	(Analysis for Hygienic Chemists)														
<u>Coliforms</u>	Negative	(Analysis for Hygienic Chemists)														
<u>Composition</u>	<table><tr><td><u>Ingredient</u></td><td><u>Content</u> (Values are just a guide)</td></tr><tr><td>Cyclodextrin</td><td>78.0 %</td></tr><tr><td>Caprylic/Capric Triglyceride</td><td>14.4 %</td></tr><tr><td>Haematococcus pluvialis Extract</td><td>4.6 %</td></tr><tr><td>Tocopherol</td><td>2.0 %</td></tr><tr><td><u>Astaxanthin</u></td><td><u>1.0 %</u></td></tr><tr><td>Total</td><td>100.0 %</td></tr></table>		<u>Ingredient</u>	<u>Content</u> (Values are just a guide)	Cyclodextrin	78.0 %	Caprylic/Capric Triglyceride	14.4 %	Haematococcus pluvialis Extract	4.6 %	Tocopherol	2.0 %	<u>Astaxanthin</u>	<u>1.0 %</u>	Total	100.0 %
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Total	100.0 %															
<u>Expiry date</u>	2 years from date of manufacturing.															
<u>Storage</u>	Store it at a cool (below 5°C), dry place. Keep it away from high temperature, high moisture and sunlight, and store it in a closed container.															

Established Date	May 23, 2006
Revised Date	October 10, 2023
Specification No.	Z-310EN