



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

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## PRODUCT STANDARD

PRODUCT NAME : **FUCOXANTHIN-P1KW**<sub>(FOOD)</sub>

This product is a powder extracted with ethanol from kombu (*Laminaria japonica*) or wakame (*Undaria pinnatifida*) and then purified. It contains minimum of 1.0 % fucoxanthin.

<b><u>Appearance</u></b>	Orangey powder with light unique smell.	
<b><u>Fucoxanthin</u></b>	Min. 1.0 %	(HPLC)
<b><u>Loss on Drying</u></b>	Max. 10.0 %	(1g, 105 °C, 2 hr)
<b><u>Purity Test</u></b>		
<b><u>(1)Heavy Metals (as Pb)</u></b>	Max. 20 ppm	(Sodium Sulfide Colorimetric Method)
<b><u>(2)Arsenic (as As<sub>2</sub>O<sub>3</sub>)</u></b>	Max. 2 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>
	Cyclodextrin	76.00 %
	Triglyceride	18.96 %
	Seaweed Extract	4.80 %
	<b><u>Mixed Tocopherol</u></b>	<b><u>0.24 %</u></b>
	Total	100.00 %

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

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

Established Date	September 26, 2015
Revised Date	October 31, 2018
Specification No.	Z-830EN