



ORYZA OIL & FAT CHEMICAL CO.,LTD.

1 Aza Numata Kitagata Kitagata-cho Ichinomiya-city, Aichi-prefecture 493-8001 JAPAN
 Phone:+81-586-86-5141 Facsimile:+81-586-86-6191
 URL/http://www.oryza.co.jp/ E-mail:info@oryza.co.jp

PRODUCT STANDARD

PRODUCT NAME : **LUTEIN-L8** (FOOD)

This product is extracted from flowers of marigold, *Tagetes erecta* Compositae, refined, and then emulsified. It contains lutein esters of minimum 8.0 %.

<u>Appearance</u>	Orange yellow viscous liquid with slight unique smell.	
<u>Lutein Esters</u>	Min. 8.0 %	[Content of Lutein (Free)×2]
<u>Lutein (free)</u>	Min. 4.0 %	(HPLC)
<u>Purity Test</u>		
(1)Heavy Metals (as Pb)	Max. 10 ppm	(Sodium Sulfide Colorimetric Method)
(2)Arsenic (as As ₂ O ₃)	Max. 1 ppm	(Standard Methods of Analysis in Food Safety Regulation, The Third Method, Apparatus B)
<u>Standard Plate Counts</u>	Max. 1×10 ³ 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>	<u>Ingredient</u>	<u>Content</u>
	Hydrogenated Glucose Syrup	40.00 %
	Water	28.00 %
	Triglyceride	12.40 %
	Marigold Extract	9.98 %
	Glycerin Ester of Fatty Acid	8.00%
	Lysolecithin	1.60 %
	<u>Mixed Tocopherol</u>	<u>0.02 %</u>
	Total	100.00 %

Expiry date 1 year from date of manufacturing.
Storage Store it in a cool, dry, ventilated area. Keep it away from high temperature and sunlight, and store it in a closed container.

Established Date	April 1, 2004
Revised Date	October 15, 2018
Specification No.	Z-815EN