



ORYZA OIL & FAT CHEMICAL CO.,LTD.

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PRODUCT STANDARD

PRODUCT NAME : **ALPHA LIPOIC ACID-LC1** (COSMETIC)

This product is water-soluble liquid which emulsified α -lipoic acid (thioctic acid, 1,2-dithiolane-6-pentanoic acid) to soluble. It contains minimum of 10.0 % α -lipoic acid.

<u>Appearance</u>	Slight yellowish liquid with characteristic odor.	
<u>α-Lipoic Acid</u>	Min. 10.0 %	(HPLC)
<u>Purity Test</u>		
(1)Heavy Metals (as Pb)	Max. 10 ppm	(The Second Method of The Japanese Standards of Quasi-Drug Ingredients)
(2)Arsenic (as As₂O₃)	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>Residual Solvents</u>		
Solvents except Ethanol	Not detected (Less than 0.1 ppm)	(GCMS)

Composition

<u>Ingredient</u>	<u>Content</u>
Polyglyceryl-10 Myristate	50 %
Propylene Glycol Caprylate	23 %
Glycerin	15 %
Thioctic Acid	10 %
Alcohol	2 %
Total	100 %

Expiry date

1 year from date of manufacturing.

Storage

Store it in a cool, dry, ventilated area with desiccant.

Keep it away from high temperature and sunlight, and store it in a closed container.

Established Date	February 11, 2005
Revised Date	October 11, 2017
Specification No.	Z-711EN