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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-3-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>		
<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>Residual Solvents</u>		
<u>Solvents except Ethanol</u>	Not detected (Less than 0.1 ppm)	(GCMS)

<u>Composition</u>	Ingredient	Content (Values are just a guide)
	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	May 9, 2024
Specification No.	T-409EN