



ORYZA OIL & FAT CHEMICAL CO.,LTD.

1 Aza Numata Kitagata Kitagata-cho Ichinomiya-city, Aichi-prefecture 493-8001 JAPAN

TEL:+81-586-86-5141 FAX:+81-586-86-6191

URL: <https://www.oryza.co.jp/> E-mail: info@oryza.co.jp

PRODUCT STANDARD

PRODUCT NAME : **ALPHA LIPOIC ACID-WSPC7** (COSMETIC)

This product guarantees a minimum of 7.0 % α -lipoic acid (thioctic acid, 1,2-dithiolane-3-pentanoic acid). This product is water-soluble.

<u>Appearance</u>	Slight yellow or yellow powder. It has odorless or slightly characteristic odor.		
<u>Identification</u>	The maximum absorbance wave length : 331 - 335 nm. The minimum absorbance wave length : 278 - 283 nm.		
<u>α-Lipoic Acid</u>	Min. 7.0 %	(HPLC)	
<u>Loss on Drying</u>	Max. 9.0 %	(Analysis for Hygienic Chemists,	1g, 40°C, reduced pressure, P ₂ O ₅ , 4 h)
<u>Ignition Residue</u>	Max. 0.10 %	(1g)	
<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>	Negative	(Analysis for Hygienic Chemists)	
<u>Coliforms</u>	Negative	(Analysis for Hygienic Chemists)	
<u>Residual Solvents</u>			
(1)Ethanol	Max. 0.1 %	(GC)	
(2)Other Solvents			
Acetone	Not detected	(Less than 1 ppm)	(GCMS)
Cyclohexane	Not detected	(Less than 1 ppm)	(GCMS)
Dichloromethane	Not detected	(Less than 1 ppm)	(GCMS)
Ethyl acetate	Not detected	(Less than 1 ppm)	(GCMS)
Hexane	Not detected	(Less than 1 ppm)	(GCMS)
MTBE	Not detected	(Less than 1 ppm)	(GCMS)
Toluene	Not detected	(Less than 1 ppm)	(GCMS)

<u>Composition</u>	Ingredient	Content (Values are just a guide)
	Maltosyl Cyclodextrin	} 93 %
	Cyclodextrin	
	Dimaltosyl cyclodextrin	
	Maltose	
	Thioctic Acid	7 %
	Total	100 %

Expiry date 2 years 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 26, 2019
Revised Date	May 9, 2024
Specification No.	T-409EN