

TECHNICAL DATA SHEET

Alipure[®] (solvent-free alpha-Lipoic Acid)

CHARACTERISTICS: Alipure[®] is a fine, yellow powder derived from chemical synthesis, nearly insoluble in water. Moderate caking is product-specific and not a sign of declining product quality. This Dietary Supplement is used as a powerful anti-oxidant.

COMPOSITION: Alipure[®] is free of organic solvents, produced under a patent pending manufacturing process. The product is combined with 2 % of a free flowing agent.

Formula	C ₈ H ₁₄ S ₂ O ₂
CAS-No.	1077-28-7
Molecular weight	206.3 g/mol
Status	
EINECS (EU)	214-071-2
MITI (Japan)	9-817
TSCA (USA)	Exempt: Regulated as Dietary Supplement

SPECIFICATION:	Alpha-Lipoic Acid	min. 97 %	(typically 99 %)
	Epi-Lipoic Acid	max. 0.1 %	(typically 0.02 %)
	Polymers	max. 2.0 %	(typically < 1.0 %)
	Moisture	max. 0.5 %	(typically 0.2 %)

REGULAR CONTROL:	<u>Organic solvents</u>		not detectable
	<u>Heavy metals</u>		
	Hg	max. 0.10 ppm	(typically < 0.05 ppm)
	Cd	max. 1 ppm	(typically < 0.1 ppm)
	Pb	max. 1 ppm	(typically < 0.1 ppm)
	As	max. 1 ppm	(typically < 0.1 ppm)

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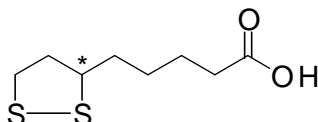
Microbiological data

Total aerobic plate count	max.	1000 / g
Yeasts and moulds	max.	50 / g
Coliforms	negative	/ g
Staphylococcus aureus	negative	/ g
Salmonella sp.	negative	/ 25 g

PROPERTIES: (physico-chemical)

Consistency: powder
Bulk density: typically 350 ± 50 g/l

CHEMICAL STRUCTURE:



STORAGE CONDITIONS: (keeping quality)

Alipure® should be stored in the dark, dry at cool to room temperature.

SHELF LIFE:

Shelf life is 48 months from date of manufacture if stored under suggested conditions. Material is sensitive to light.

PACKAGING:

Metallic drums with inner PE bag containing 10 kg net.

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