



CERTIFICATE OF ANALYSIS

Product: Alpha Lipoic Acid

INCI/Botanical Name: Thioctic Acid

Lot No: BPCALA2022

CAS No: 1077-28-7

Origin: China

Best Before: June 2025

Store in an air tight container; in a cool dry area; away from direct sunlight

	<u>METHOD</u>	<u>SPECIFICATIONS</u>	<u>RESULTS</u>
APPEARANCE:	VISUAL	CRYSTALLINE POWDER	CONFORMS
COLOR:	VISUAL	YELLOWISH	CONFORMS
TASTE:	ORGANOLEPTIC	BITTER	CONFORMS
ODOR:	ORGANOLEPTIC	CHARACTERISTIC	CONFORMS
IDENTIFICATION:	FTIR	VERIFIED	VERIFIED
LOSS ON DRYING:	USP37	<0.50	0.12%
MELTING POINT:	USP37	59.0 – 62.0°C	60 – 61.8°C
RESIDUE ON IGNITION:	USP37	<0.1%	0.02%
MESH SIZE:	RO-TAP	40 MESH	CONFORMS
ASSAY:	HPLC	MIN. 99.0%	99.13%
<u>MICROBIOLOGICAL ANALYSIS:</u>			
TOTAL AEROBIC			
PLATE COUNT:	AOAC 966.23	<1,000 cfu/g	<1,000 cfu/g
YEAST & MOLD:	FDA-BAM 8 th –ED	<100 cfu/g	<100 cfu/g
TOTAL COLIFORM:	FDA-BAM 8 th –ED	NEGATIVE	NEGATIVE
E. COLI:	FDA-BAM 8 th –ED	NEGATIVE	NEGATIVE
SALMONELLA:	AOAC 2013.01	NEGATIVE	NEGATIVE
S. AUREUS:	FDA-BAM 8 th –ED	NEGATIVE	NEGATIVE

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