

Certificate of Analysis

Report Issued To: Natrium Health, 82055 S. Priest Dr #11750, Tempe, AZ 85284

Product Information			
Product Name:	Optim-ALA Capsules Optimized Alpha Lipoic Acid	CoA #:	ND-24-853
Product Size:	60 count	Lot Number:	OPACS2111723
Production Date:	12/07/2023	Capsule Batch #:	OPACSL0923VEG
Report Date:	12/07/2023	Capsule Material:	Vegetable capsules
Best By Date:	12/2025	Capsule Size	Size 00
Appearance:	White Powder in Green and Clear Capsules	Capsule Color:	Green/Clear Capsules
Other Ingredients:	Vegetable capsules		

Organoleptic Testing Results:

Test	Specification	Result	Pass/Fail
Color	Org. Tube # 2038	Conforms	Pass
Smell	Org. Tube # 2038	Conforms	Pass

Physical Testing Results:

Test	Specification	Result	Pass/Fail
Capsule Fill Weight	≥493mg/capsule	493.7mg/capsule	Pass
Capsule Mass Test	USP <2091> Test 1	618.8mg/capsule	Pass

Ingredients

Ingredient Name	Content	Raw Material Batch #	Raw Material Spec #
R-ALA Cyclodextrin	250mg/capsule	RAC0040823	125_v7
NA-R-ALA	125mg/capsule	RLA0201022 / 0323	084
Sesame Extract (70% Sesamin)	100mg/capsule	SSE0140223	211_v3

Analytical Testing

Test	Method	Methodology	Specification	Result	Pass/Fail
Identity R-ALA Cyclodextrin	LAB TM-001	FTIR	≥95%	99% Match	Pass
Identity- NA-R-ALA	LAB TM-001	FTIR	≥95%	99% Match	Pass
Identity - Sesamum indicum, Seed	LAB TM-114	HPTLC	Matches to BRM	Conforms	Pass
Assay (R-α-lipoic acid)	GL-631	UPLC	≥ 23.8mg/capsule	27mg/capsule	Pass
Assay- Alpha Lipoic Acid Assay	GL-631/DYAD	UPLC	≥ 100mg/capsule	108mg/capsule	Pass
Assay -Total Sesamins(Sesamin, Sesamolin, Sesamol) (as is)	LAB TM-162	UPLC	≥70mg/capsule	73.8mg/capsule	Pass

Test	Method	Methodology	Specification	Result	Pass/Fail
Heavy Metals	ICP-MS Metals - USP <233>/<730> Apex Metals-011/Metals-008	ICP/ICPMS	< 0.5 ppm ea.	As 0.073 ppm Cd 0.029 ppm Hg 0.01 ppm Pb 0.028 ppm	Pass
Water Activity	LAB TM-012	Water Activity	< 0.73	0.22	Pass

Final Approval

Kennedi Enoch

Kennedi Enoch, Quality Liaison

