Certificate of Analysis

Report Issued To: Nootropics Depot | 8380 S. Kyrene Rd., Suite 110, Tempe, AZ 85284

Product Information			
Product Name:	Optim-ALA Capsules	CoA #:	ND-25-1088
Product Size:	60 count	Lot Number:	OPACS1060925
Production Date:	06/09/2025	Capsule Batch #:	OPACSLL0924VEGG
Report Date:	06/09/2025	Capsule Material:	Vegetable capsules
Best By Date:	06/2028	Capsule Size	Size 00
Appearance:	Cream colored Powder in a capsule with a light green Cap and Clear Body	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	RAC0040524	125_v8
NA-R-ALA	125mg/capsule	RLA0200624	084_v7
Sesame Extract (70% Sesamin)	100mg/capsule	SSE0141123	211_v3

Analytical Testing

Test	Method	Methodology	Specification	Result	Pass/Fail
Identity R-ALA Cyclodextrin	LAB TM-001	FTIR	≥ 95% Match to Library Standard	99% Match	Pass
Identity- NA-R-ALA	LAB TM-001	FTIR	≥ 95% Match to Library Standard	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	28mg/capsule	Pass
Assay- Alpha Lipoic Acid Assay	GL-631/DYAD	UPLC	≥ 100mg/capsule	108.1mg/capsule	Pass
Assay -Total Sesamins(Sesamin, Sesamolin, Sesamol) (as is)	LAB TM-162	UPLC	≥70mg/capsule	81.3mg/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 0.1053 ppm Cd 0.0421 ppm Hg 0. 0105 ppm Pb 0.0421 ppm	Pass
Water Activity	LAB TM-012	Water Activity	< 0.73	0.18	Pass

Final Approval

Kennedi Enoch, Quality Liaison

PJLA Testing
Accreditation #113861