

Certificate of Analysis

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

Product Information			
Product Name:	N-Acetyl L-Cysteine Capsules 500mg	CoA #:	ND-24-1174
Product Size:	180 count	Lot Number:	NACCS1072224
Production Date:	07/22/2024	Capsule Batch #:	NACCENZ0322VEG
Report Date:	07/22/2024	Raw Material Batch #:	NAC0091021
Best By Date:	07/2027	RM spec #:	082_v6
Appearance:	White powder in a clear capsule	Capsule Size:	Size 0
Capsule Material:	Vegetable Cellulose	Capsule Color:	Clear
Other Ingredients:	Silicon Dioxide		

Organoleptic Testing Results:

Test	Specification	Result	Pass/Fail
Color	Org. Tube # 1082	Conforms	Pass
Smell	Org. Tube # 1082	Conforms	Pass

Physical Testing Results:

Test	Specification	Result	Pass/Fail
Capsule Fill Weight	≥618.5mg/capsule	618.5mg/capsule	Pass
Capsule Mass Test	USP <2091> Test 1	715.8mg/capsule	Pass

Analytical Testing Results:

Test	Method	Methodology	Specification	Result	Pass/Fail
Identity	LAB TM-001	FTIR	≥ 95% Match	97% Match	Pass
N-Acetyl L-Cysteine Assay (dry basis)	USP 781	Polarimeter	≥ 500mg/capsule	510mg/capsule	Pass
Identity	USP 781	Polarimeter	+21°-+27°	+24°	Pass
Loss on Drying	LAB TM-013	Moisture Balance	Report Only	0.7%	N/A
Heavy Metals	ICP-MS Metals - USP <233>/<730> Apex Metals-011/Metals-008	ICP/ICPMS	< 0.5 ppm ea.	As <0.1250 Cd <0.0500 Hg <0.0125 Pb <0.0500	Pass
Water Activity	LAB TM-012	Water Activity	<0.73	0.30	Pass

Final Approval



Kennedy Enoch, Quality Liaison

