

# Certificate of Analysis

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

Product Information			
Product Name:	L-Pyroglutamic Acid Capsules 500mg	CoA #:	ND-24-675
Product Size:	120 count	Lot Number:	PGACS1022724
Production Date:	04/09/2024	Capsule Batch #:	PGACSL0423VEG
Report Date:	04/09/2024	Raw Material Batch #:	PGA0050423
Best By Date:	04/2026	RM spec #:	144 v3
Appearance:	White powder in a clear capsule	Capsule Size:	Size 0
Capsule Material:	Vegetable Cellulose	Capsule Color:	Clear
Other Ingredients:	Microcrystalline Cellulose 101, Magnesium Stearate		

### Organoleptic Testing Results:

Test	Specification	Result	Pass/Fail
Color	Org. Tube # 1144	Conforms	Pass
Smell	Org. Tube # 1144	Conforms	Pass

### Physical Testing Results:

Test	Specification	Result	Pass/Fail
Capsule Fill Weight	≥605mg/capsule	633.7mg/capsule	Pass
Capsule Mass Test	USP <2091> Test 1	731mg/capsule	Pass

### Analytical Testing Results:

Test	Method	Methodology	Specification	Result	Pass/Fail
Identity	LAB TM-001	FTIR	≥ 95% match	98% match	Pass
L-Pyroglutamic Acid Assay	LAB TM-027	Polarimeter	≥ 500mg/capsule	512.8mg/capsule	Pass
Specific Rotation	LAB TM-027	Polarimeter	-11.0° to -12.0°	-11.2°	Pass
Heavy Metals	ICP-MS Metals - USP <233>/<730> Apex Metals-011/Metals-008	ICP/ICPMS	< 0.5 ppm ea.	As < 0.1250 ppm Cd < 0.0500 ppm Hg < 0.0125 ppm Pb < 0.5000 ppm	Pass
Water Activity	LAB TM-012	Water Activity	< 0.73	0.22	Pass

Final Approval



Kennedy Enoch, Quality Liaison

