

Certificate of Analysis

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

Product Information			
Product Name:	L-Theanine Capsules 200mg	CoA #:	ND-25-129
Product Size:	180 count	Lot Number:	LTHCS1080524A
Production Date:	08/05/2024	Capsule Batch #:	LTHCSLL0823VEG
Report Date:	08/05/2024	Raw Material Batch #:	LTH0250623
Best By Date:	08/2027	RM spec #:	079_v5
Appearance:	Off white powder in a clear capsule	Capsule Size:	Size 1
Capsule Material:	Vegetable Cellulose	Capsule Color:	Clear
Other Ingredients:	Microcrystalline Cellulose, Magnesium Stearate		

Organoleptic Testing Results:

Test	Specification	Result	Pass/Fail
Color	Org. Tube # 1079	Conforms	Pass
Smell	Org. Tube # 1079	Conforms	Pass

Physical Testing Results:

Test	Specification	Result	Pass/Fail
Capsule Fill Weight	≥310g/capsule	310mg/capsule	Pass
Capsule Mass Test	USP <2091> Test 1	390mg/capsule	Pass

Analytical Testing Results:

Test	Method	Methodology	Specification	Result	Pass/Fail
Identity	LAB TM-001	FTIR	≥ 95%	98%	Pass
Assay L-Theanine	LAB TM-165	UPLC	≥200mg/capsule	207mg/capsule	Pass
Specific Rotation	LAB TM-007	Polarimeter	+7.5° - +8.5°	+8.2°	Pass
Melting Point	LAB TM-011	Melting Point Apparatus	Report Only	196°C - 198°C	N/A
Loss on Drying	LAB TM-013	Moisture Balance	Report Only	0.8%	N/A
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 < 0.0500 ppm	Pass
Water Activity	LAB TM-012	Water Activity	< 0.73	0.36	Pass

Final Approval



Kennedi Enoch, Quality Liaison

