

Certificate of Analysis

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

Product Information			
Product Name:	Berberine HCL + Silymarin Capsules 500mg	CoA #:	ND-24-1369
Product Size:	60 count	Lot Number:	BSTSCS1080924
Production Date:	08/09/2024	Capsule Batch #:	BSTSCSLL0724VEG
Report Date:	08/09/2024	Capsule Material:	Vegetable Cellulose
Best By Date:	08/2027	Capsule Size	Size 00
Appearance:	Yellow powder in a clear capsule	Capsule Color:	Clear
Other Ingredients:	Microcrystalline Cellulose 101, Magnesium Stearate, Silicon Dioxide		

Organoleptic Testing Results:

Test	Specification	Result	Pass/Fail
Color	Org. Tube # 1216	Conforms	Pass
Smell	Org. Tube # 1216	Conforms	Pass

Physical Testing Results:

Test	Specification	Result	Pass/Fail
Capsule Fill Weight	≥694mg/capsule	695mg/capsule	Pass
Capsule Mass Test	USP <2091> Test 1	820mg/capsule	Pass

Ingredients

Ingredient Name	Content	Raw Material Batch #	Raw Material Spec #
Berberine HCL	500mg/capsule	BBNG0050624	065_v6
Milk Thistle 90% Silymarin	100mg/capsule	MSS0580524	225_v1

Analytical Testing Results

Test	Method	Methodology	Specification	Result	Pass/Fail
Identity	LAB TM-001	FTIR	Matches reference Standard	Conforms to Reference Standard	Pass
Identity (Silybum marianum, fruit)	LAB TM-060	HPTLC	Matches to BRM	Conforms	Pass
Assay - Berberine HCL (dry basis)	LAB TM-184	HPLC	≥ 426.8mg/capsule	449.8mg/capsule	Pass
Assay - Total Silymarins (as Silybin A + B) (as is)	LAB TM-061	UPLC	≥ 98mg/capsule	100.1mg/capsule	Pass
Assay - Silychristin (as is)	LAB TM-061	UPLC	≤ 0.05mg/capsule	0.02mg/capsule	Pass
Heavy Metals	ICP-MS Metals - USP <233>/<730> Apex Metals-011/Metals-008	ICP/ICPMS	< 0.5 ppm ea.	As < 0.1833 ppm Hg < 0.0183 ppm Cd < 0.0733 ppm Pb < 0.0733 ppm	Pass
Water Activity	LAB TM-012	Water Activity	< 0.73	0.62	Pass

Final Approval



Kennedi Enoch, Quality Liaison

