

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	CoA #:	ND-24-1423
Product Size:	60 count	Lot Number:	BSTCS2060624A
Production Date:	06/06/2024	Capsule Batch #:	BSTCSLL0823VEG
Report Date:	06/06/2024	Capsule Material:	Vegetable Cellulose
Best By Date:	06/2027	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	≥670mg/capsule	695.2mg/capsule	Pass
Capsule Mass Test	USP <2091> Test 1	820mg/capsule	Pass

Ingredients

Ingredient Name	Content	Raw Material Batch #	Raw Material Spec #
Berberine HCL	525mg/capsule	BBN0051222	065_v6
Milk Thistle 90% Silymarin	100mg/capsule	MSS0330323/MSS0330723	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	457.5mg	Pass
Assay - Total Silymarins (as Silybin A + B) (as is)	LAB TM-061	UPLC	≥ 90mg	93mg	Pass
Assay - Silychristin (as is)	LAB TM-061	UPLC	≤ 0.5mg	0.2mg	Pass
Heavy Metals	ICP-MS Metals - USP <233>/<730> Apex Metals-011/Metals-008	ICP/ICPMS	< 0.5 ppm ea.	As < 0.1250 ppm Hg < 0.0125 ppm Cd < 0.0500 ppm Pb < 0.0537 ppm	Pass
Water Activity	LAB TM-012	Water Activity	< 0.73	0.41	Pass

Final Approval



Kennedi Enoch, Quality Liaison

