

Certificate of Analysis

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

Product Information			
Product Name:	Matrine Powder 98% Sophora flavescens Extract	CoA #:	ND-24-873
Product Size:	10g	Lot Number:	MATS1040224
Production Date:	05/13/2024	Raw Material Batch #:	MAT0590822
Report Date:	05/13/2024	Raw Material Spec #	295
Best By Date:	05/2026	Appearance:	White, fine powder

Organoleptic Testing Results:

Test	Specification	Result	Pass/Fail
Color	Org. Tube # 1295	Conforms	Pass
Smell	Org. Tube # 1295	Conforms	Pass

Physical Testing Results:

Test	Specification	Result	Pass/Fail
Jar Fill Weight	≥10g/jar	10g/jar	Pass

Ingredients

Test	Method	Methodology	Specification	Result	Pass/Fail
Identification - (Sophora flavescens, root)	LAB TM-183	HPTLC	Matches to BRM	Conforms	Pass
Assay - Matrine (dry basis)	LAB TM-182	UPLC	≥ 98mg/serving	100mg/serving	Pass
Loss on Drying	LAB TM-015	Moisture Balance	≤ 1.0%	0.8%	Pass
Heavy Metals	ICP-MS Metals - USP <233>/<730> Apex Metals-011/Metals-008	ICP/ICPMS	≤ 0.5 ppm ea.	As <0.0625 ppm Pb <0.0250 ppm Cd <0.0250 ppm Hg <0.0100 ppm	Pass
Water Activity	LAB TM-012	Water Activity	<0.73	0.49	Pass

Final Approval:



Kennedi Enoch, Quality Liaison



Accreditation #113861