LIFTMODE

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CERTIFICATE OF ANALYSIS

Matrine

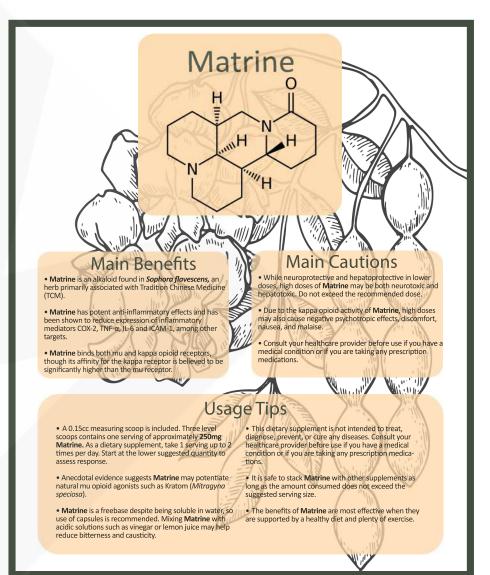
(Sophora flavescens extract)

Material Lot #:20457Analysis Date: 09/11/2020Country of Origin:ChinaRetesting Date: 09/11/2023

Analysis	Claim	Result
Matrine	≥98%	99.8%

Test	Specification	Result
HNMR ID	Conforms	Conforms
HPLC Assay ICP-MS Arsenic Lead Cadmium Mercury	≥98% ≤1.5 ppm ≤0.5 ppm ≤0.5 ppm ≤0.5 ppm	99.8% <0.001 ppm 0.006 ppm 0.021 ppm <0.001 ppm
Total Aerobic Count Yeast & Mold Coliform <i>E.coli</i> Salmonella	<1000 cfu/g <100 cfu/g <10 cfu/g Negative Negative	Conforms Conforms Conforms Conforms Conforms

Matrine should be stored at or below room temperature in a tightly sealed durable container. Matrine should be protected from excess heat, direct sunlight, excess humidity, and moisture. Matrine has a retesting period of 3 years from the date of analysis when properly stored.





Certificate of Analysis

Client:

Synaptent LLC 47 W Polk Street, 100-241 Chicago, IL 60654

Sample Collected By: Client

Product Name	Matrine	Product Lot Number	20457
Report Date	09/11/20	Laboratory Number	20080814

Description	Method	Specification Limit	Result
Identification	H-NMR	Conforms	Conforms
Assay	HPLC	NLT 98%	99.8%
Lead	ICP-MS	< 1 ppm	0.006 ppm
Arsenic	ICP-MS	< 1 ppm	<0.001 ppm
Cadmium	ICP-MS	< 1 ppm	0.021 ppm
Mercury	ICP-MS	< 1 ppm	<0.001 ppm
Total Aerobic Count	Biolumix	<1,000 cfu/g	<1, 000 cfu/g
Yeast & Mold	Biolumix	<100 cfu/g	<100 cfu/g
E. Coli	Biolumix	Absent	Absent
Coliform	Biolumix	<10 cfu/g	<10 cfu/g
Salmonella	Biolumix	Absent	Absent

Collin Thomas
Laboratory Manager

09/11/2020 9/1/2 Date

The result(s) stated in this report is only for the sample submitted. This report may not be reproduced in whole or in part, nor may any reference be made to the work, the result, or the company in any news release, public announcements or advertising without our prior written consent.

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