

### Certificate of Analysis

Lief Organics LLC

<b>Sample Name:</b>	<b>Bacopa Monnieri Whole Plant ( Standardized 20 percent) Extract</b>	<b>Eurofins Sample:</b>	<b>8952509</b>
<b>Project ID</b>	LIEF_ORGAN-20191024-0018	<b>Receipt Date</b>	24-Oct-2019
<b>PO Number</b>	10222019 A	<b>Receipt Condition</b>	Ambient temperature
<b>Sample Serving Size</b>		<b>Login Date</b>	24-Oct-2019
<b>Description</b>	100-1205E R18002888	<b>Date Started</b>	28-Oct-2019

**Analysis** **Result**

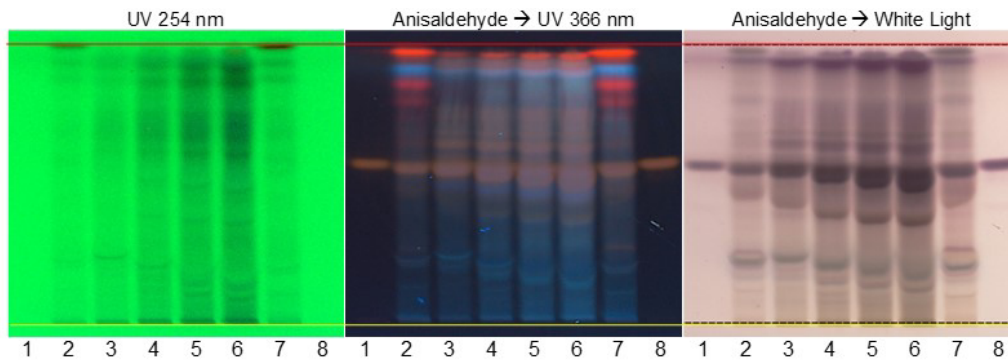
**Botanical Identification - High Performance Thin-Layer Chromatography**

Plant Part Whole plant

Comments and Conclusions

Meets method requirements for botanical identity of Bacopa monnieri

HPTLC Images



Yellow Line – Sample Origin  
Red Line – Solvent Front at 70 mm

Lane	Amount Applied	ID
1	3 µL	Bacoside A3
2	2 µL	<i>Bacopa monnieri</i> Reference Extract
3	1 µL	Bacopa Monnieri Whole Plant (Standardized 20 percent) Extract Sample 8952509
4	2 µL	Bacopa Monnieri Whole Plant (Standardized 20 percent) Extract Sample 8952509
5	3 µL	Bacopa Monnieri Whole Plant (Standardized 20 percent) Extract Sample 8952509
6	4 µL	Bacopa Monnieri Whole Plant (Standardized 20 percent) Extract Sample 8952509
7	4 µL	<i>Bacopa monnieri</i> Reference Extract
8	6 µL	Bacoside A3

**Method References** **Testing Location**

**Botanical Identification - High Performance Thin-Layer Chromatography (**

**Food Integrity Innovation-Boulder**

**B\_HPTLC\_S)**  
CDXA-TLCM-178-01

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**Testing Location(s)****Released on Behalf of Eurofins by****Food Integrity Innovation-Boulder****Ian Laessig - Manager**

Eurofins Food Chemistry Testing US, Inc.  
2830 Wilderness Pl  
Boulder CO 80301  
800-675-8375



AT-1816

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