

Certificate of Analysis

Lief Organics LLC

Sample Name:	Rhodiola Rosea Root (3 percent Rosavins 2 percent Salidroside) (10:1) Extract	Eurofins Sample:	8952511
Project ID	LIEF_ORGAN-20191024-0018	Receipt Date	24-Oct-2019
PO Number	10222019 A	Receipt Condition	Ambient temperature
Sample Serving Size		Login Date	24-Oct-2019
Description	100-3529 R18004302	Date Started	28-Oct-2019

Analysis	Result
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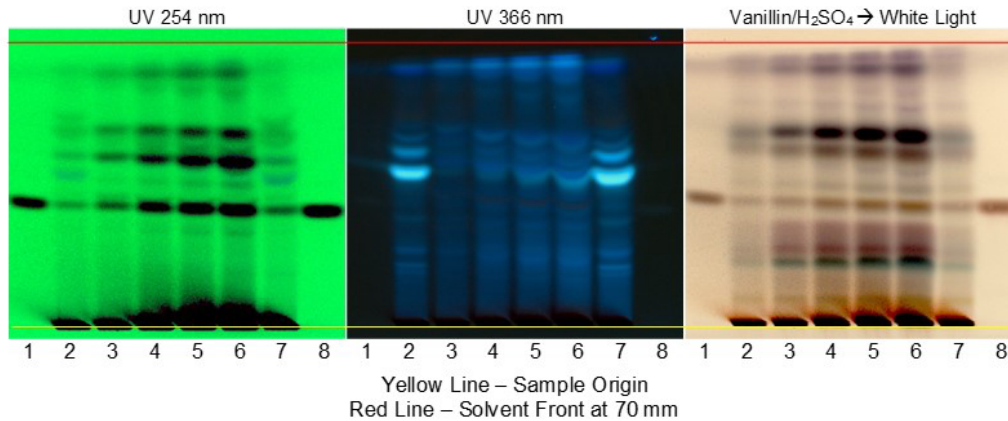
Botanical Identification - High Performance Thin-Layer Chromatography

Plant Part Root

Comments and Conclusions

Meets method requirements for botanical identity of Rhodiola rosea

HPTLC Images



Lane	Amount Applied	ID
1	3 µL	Rosavin
2	2 µL	<i>Rhodiola rosea</i> Reference Extract
3	1 µL	Rhodiola Rosea Root (3 percent Rosavins 2 percent Salidroside) (10:1) Extract Sample 8952511
4	2 µL	Rhodiola Rosea Root (3 percent Rosavins 2 percent Salidroside) (10:1) Extract Sample 8952511
5	3 µL	Rhodiola Rosea Root (3 percent Rosavins 2 percent Salidroside) (10:1) Extract Sample 8952511
6	4 µL	Rhodiola Rosea Root (3 percent Rosavins 2 percent Salidroside) (10:1) Extract Sample 8952511
7	4 µL	<i>Rhodiola rosea</i> Reference Extract
8	6 µL	Rosavin

Method References	Testing Location
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Botanical Identification - High Performance Thin-Layer Chromatography (B_HPTLC_S)
CDXA-TLCM-126-00

Food Integrity Innovation-Boulder

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

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AT-1816

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