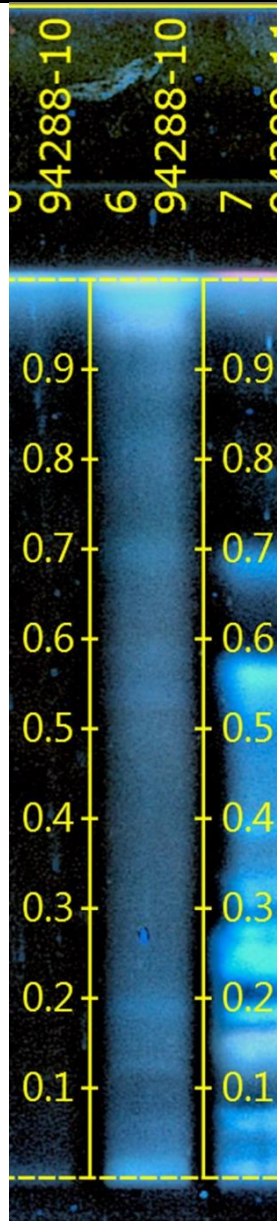


Certificate of Analysis -- RFF TWELVE RIVERS TINCTURE Date 2020-12-03
High Performance Thin-Layer Chromatography



LMID	94288-10
Result	
Client	RAW Forest Foods LLC
Sample Name	Twelve Rivers Tincture
Plant Part	Unknown
Physical Description	Liquid
Lot Number	13282
Reference Sample	
Instrument	CAMAG Automatic HPTLC System (E-TLC1) AST4 211118 ADC2 211247 Visualizer 211521 DXA252 726763614
Sample Prep	3.0 g in 10 mL MeOH, sonicate it for 10 mins and store at room temperature overnight.
Reference Prep	3.0 mg in 20 mL MeOH, sonicate it for 10 mins and store at room temperature overnight.
Stationary Phase	Silica gel 60, F ₂₅₄ , HPTLC plates
Mobile Phase	Ethyl acetate: Acetic acid: Water = 300: 50: 50
Visualization	(1) UV 366 nm
Reference	Method developed by Labs-Mart Inc., Edmonton
Conclusion	Lane 1 (4 µL) is the test sample rf 12r . The image shown is the finger printing for the rf 12r
Analyst	Lin Xia
Quality Control	<i>gk</i> 20201203



REPORT # 94288-10

To RAW Forest Foods LLC
 11 Elmwood Ave, Ste. 102
 Burlington, VT 05402
 T (802) 349-1347

Date 12/8/2020
Received 2020/12/02

RF 12R; Lot# 13282 (94288-10)

Test	Specification	Test Result	Method	Analyst	Date	Loc.
Total Plate Count	<10,000 CFU/g	<10 CFU/g	SOP 6_503	DS	2020/12/08	AB
Yeast & Mold	<1,000 CFU/g	<10 CFU/g	SOP 6_503	DS	2020/12/08	AB
E. coli	Negative	Negative	SOP 6_503	DS	2020/12/08	AB
S. aureus	Negative	Negative	SOP 6_503	DS	2020/12/08	AB
Salmonella	Negative	Negative	SOP 6_503	DS	2020/12/08	AB
P. aeruginosa	Negative	Negative	SOP 6_503	DS	2020/12/08	AB
Coliforms	<100 CFU/g	<10 CFU/g	MFHPB-34	DS	2020/12/08	AB
Arsenic	<1.5 ug/g	<0.030 ug/g	ICP-MS	MRA	2020/12/07	AB
Cadmium	<0.5 ug/g	<0.020 ug/g	ICP-MS	MRA	2020/12/07	AB
Lead	<1.0 ug/g	<0.020 ug/g	ICP-MS	MRA	2020/12/07	AB
Mercury	<1.5 ug/g	<0.020 ug/g	ICP-MS	MRA	2020/12/07	AB
Chemical Fingerprinting	Establish	Establish	USP (TLC)	LX	2020/12/03	AB

References

- Microbials: E. coli; modified from USP <2021/2022>, Suitability testing is not performed
- Microbials: P. aeruginosa; modified from USP <61/62>, Suitability testing is not performed
- Microbials: S. aureus; modified from USP <2021/2022>, Suitability testing is not performed
- Microbials: Salmonella; modified from USP <2021/2022>, Suitability testing is not performed
- Microbials: Total Plate Count; modified from USP <2021/2022>, Suitability testing is not performed
- Microbials: Yeast & Mold; modified from USP <2021/2022>, Suitability testing is not performed

Labs-Mart Testing Locations:

AB - 1938 94 Street, Edmonton, AB, Canada

Prepared by 
 Chantelle Gaboury, Account Manager

Approved by 
 Gagandeep Kangarh, QC Specialist

Date 2020/12/08

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 Testing may be completed at other Labs-Mart locations.

Statement of conformity only applies to tests currently presented on our scope of accreditation. All required parts of the standard (17025) applicable to a test laboratory are met. Accreditation is location and parameter specific. The tests listed in this report may not be included in the current scope of accreditation.

The sample(s) were provided by the customer as listed on this report and therefore results reported apply to the samples as received.

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