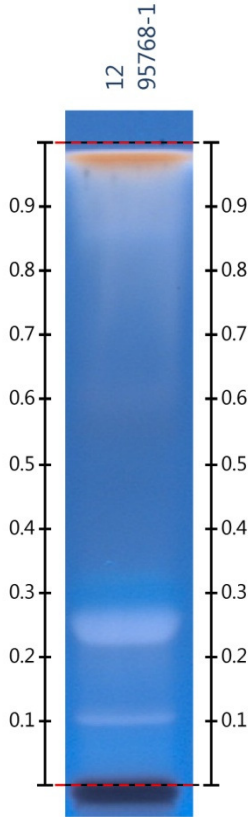


Certificate of Analysis -- RFF ROYAL TINCTURE
High Performance Thin-Layer Chromatography

Date 2021-02-04



LMID	95768-1	
Result		
Client	RAW Forest Foods LLC	
Sample Name	Royal Pine Pollen Tincture	
Plant Part	Unknown	
Physical Description	Liquid	
Lot Number	13158	
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 RFF ROYAL . <u>The image shown is the finger printing for the RFF ROYAL</u>	
Analyst	MK	
Quality Control	<i>gk</i>	20210204



REPORT # 95768-1 REV 1

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

Date 3/9/2021
Received 2021/02/03
Notes revised lots

RFF ROYAL; Lot# 13358 (95768-1)

Test	Specification	Test Result	Method	Analyst	Date	Loc.
Total Plate Count	<10,000 CFU/g	<10 CFU/g	SOP 6_503	DDS	2021/02/09	AB
Yeast & Mold	<1,000 CFU/g	<10 CFU/g	SOP 6_503	DDS	2021/02/09	AB
Salmonella	Negative	Negative	SOP 6_503	DDS	2021/02/09	AB
E. coli	Negative	Negative	SOP 6_503	DDS	2021/02/09	AB
S. aureus	Negative	Negative	SOP 6_503	DDS	2021/02/09	AB
P. aeruginosa	Negative	Negative	SOP 6_503	DDS	2021/02/09	AB
Coliforms	<10 CFU/g	<10 CFU/g	MFHPB-34	DDS	2021/02/09	AB
Arsenic	<1.5 ug/g	<0.030 ug/g	ICP-MS	MRA	2021/02/10	AB
Cadmium	<0.5 ug/g	<0.020 ug/g	ICP-MS	MRA	2021/02/10	AB
Lead	<1.0 ug/g	<0.020 ug/g	ICP-MS	MRA	2021/02/10	AB
Mercury	<0.2 ug/g	<0.020 ug/g	ICP-MS	MRA	2021/02/10	AB
Chemical Fingerprinting	Establish	Establish	USP (TLC)	MK	2021/02/04	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 2021/03/09