



12423 NE Whitaker Way
Portland, OR 97230
503-254-1794

Job Number: 18-008347
Report Date: 10/04/2018
Purchase Order: prepaid chk + cc
Received: 09/25/18 09:30 AM



Cover Letter

M O Botanicals, LLC
2330 W Lamberth Rd
Sherman Texas 75092
United States

Dear Derrick Poitevint,

Enclosed please find Columbia Food Laboratories analytical report for samples received as order number 18-008347 on 09/25/2018. Should you have any questions about this report or any other matter, please do not hesitate to contact us. We are here to help you.

Test results relate only to the parameters tested and to the samples as received by the laboratory. Test results meet all requirements of Columbia Food Laboratories quality assurance plan unless otherwise noted. This report shall not be reproduced, except in full, without the written consent of this laboratory. Samples will be kept a maximum of 15 days from the report date unless prior arrangements have been made.

Thank you for allowing Columbia Food Laboratories to be of service to you, we appreciate your business.

Sincerely,

Derrick Tanner
General Manager



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Customer: M O Botanicals, LLC
2330 W Lamberth Rd
Sherman Texas 75092
United States

Sample ID: Extract 0143 M. Speciosa

Sample Matrix: Kratom extract

Laboratory ID: 18-008347-0001

Evidence of Cooling: No

Temp: 22 °C

Units of Measure

cfu/g = Colony forming units per gram
mg/kg = Milligram per kilogram
/10g = Per 10 grams
% = Percentage of sample

Approved Signatory

Derrick Tanner
General Manager

Sample Results

Metals

Analyte	Result	Units	LOQ	Analyzed	Method	Notes
Lead	0.142	mg/kg	0.0182	10/03/18	AOAC 2013.06 (mod) †	

1) trace metals in food by Inductively Coupled Mass Spectrometry

Microbiology

Analyte	Result	Units	LOQ	Analyzed	Method	Notes
Salmonella spp.	Negative	/10g		09/28/18	AOAC RI 050701	

E. coli/Coliform Count (EC) Plate

Analyte	Result	Units	LOQ	Analyzed	Method	Notes
E.coli	< LOQ	cfu/g	10	09/28/18	AOAC 991.14	
Total Coliforms	< LOQ	cfu/g	10	09/28/18	AOAC 991.14	

Yeast and Mold

Analyte	Result	Units	LOQ	Analyzed	Method	Notes
Yeast	< LOQ	cfu/g	10	09/30/18	AOAC 997.02 (Petrifilm)	
Mold	< LOQ	cfu/g	10	09/30/18	AOAC 997.02 (Petrifilm)	

Mitragynine

Mitragynine + 7-Hydroxymitragynine

Analyte	Result	Units	LOQ	Analyzed	Method	Notes
Mitragynine [†]	47.5	%	0.250	10/03/18	Japanese Association of Forensic Toxicology (2009) 27:67-74	
7-Hydroxymitragynine [†]	0.116	%	0.0100	10/03/18	Japanese Association of Forensic Toxicology (2009) 27:67-74	

Abbreviations

Limit(s) of Quantitation (LOQ): The minimum levels, concentrations, or quantities of a target variable (e.g., target analyte) that can be reported with a specified degree of confidence.

† = Analyte not ISO accredited.



*~ 30g
use 10g for
Salmonella*

Chain of Custody Record

Company: <u>M O Botanicals, LLC</u>			Analysis Requested			Samples are to be:				
Contact: <u>Derrick Portavint</u>			Microbiology + 7-Analysis coliform + E. coli Salmonella Yeast + Mold Lead	<input type="checkbox"/> Disposed of by CFL			<input type="checkbox"/> Stored over 15 days			
Address: <u>2330 W. Lambert Rd Sherman, Tx 75092</u>				<input type="checkbox"/> Returned to customer			<input type="checkbox"/> Stored 15 days max			
Email: <u>support@omagnumpusbotanicals.com</u>				For Nutrition Labels:						
Phone: <u>(903) 819-7131</u>				Serving size _____ oz or _____ grams						
Billing (if different): _____				No. of servings per container: _____						
Client Sample Identification	Date/Time Collected								Count	Comments
<u>M. speciosa Extract 0143</u>	<u>9/24/18 1400</u>									
		Signature		Date		Time		Lab Use Only:		
Sampled by:		<u>[Signature]</u>		<u>9/24/18</u>		<u>1400</u>		Received by: _____ Date: _____ Time: _____		
Relinquished by:		<u>[Signature]</u>		<u>9/24/18</u>		<u>1400</u>		Received by: _____ Date: _____ Time: _____		
Dispatched by:		<u>[Signature]</u>		<u>9/24/18</u>		<u>1400</u>		Received by lab by: <u>mm</u> Date: <u>9/25/18</u> Time: <u>9:30</u>		
Method of shipment:								Lab Job No: _____ Temp: _____		
								Lab Comments: _____		

SUBMISSION OF SAMPLES WITH TESTING REQUIREMENTS TO CFL WILL BE UNDERSTOOD TO BE AN AGREEMENT FOR SERVICES IN ACCORDANCE WITH THE CONDITIONS LISTED ON THE BACK OF THIS FORM.