



**SILLIKER, Inc.**

**Southern California Laboratory**

6360 Gateway Drive, Cypress, CA 90630  
209/ 549 7508 Fax 714/ 226 0009

**CERTIFICATE OF ANALYSIS**

<b>COA No:</b>	SCA-41486161-0
<b>Supersedes:</b>	None
<b>COA Date</b>	8/13/18
<b>Page 1 of 3</b>	

**TO:**

Mr. Zane Christopher  
Lost Empire Herbs  
195 Aviation Way  
Watsonville, CA 95076

<b>Received From:</b>	Watsonville, CA
<b>Received Date:</b>	7/27/18
<b>Location of Test: (except where noted)</b> Cypress, CA	

**Desc. 1:** Pine Pollen  
**Desc. 2:** #PP061218  
**Desc. 3:** Serving Size: 250g

**Laboratory ID:** 379408185  
**Condition Rec'd:** NORMAL  
**Temp Rec'd (°C):** 21.4

Nutrition - Mandatory

**NUTRITIONAL ANALYSIS**

Serving Size: 250.0 g  
Household Measure: 250 g

Analytes	Units	Results Per 100g	Amount Per Serving	Test Date	Test Location
Calories		402.8	1007.0	08/13/2018	
Total Fat	g	6.84	17.10	08/01/2018	CHG-HTS
Monounsaturated Fat	g	2.38	5.95	08/13/2018	
Polyunsaturated Fat	g	1.98	4.95	08/13/2018	
Saturated Fat	g	1.97	4.92	08/13/2018	
Trans Fat	g	0.20	0.50	08/13/2018	
Cholesterol	mg	<1.0	<2.5	08/01/2018	CHG-HTS
Sodium	mg	8.3	20.8	07/31/2018	CHG-HTS
Potassium	mg	1130	2820	07/31/2018	CHG-HTS
Total Carbohydrate	g	74.2	185.5	08/13/2018	
Dietary Fiber*	g	51.36	128.40	08/01/2018	
Sugars**	g	14.71	36.78	07/31/2018	CHG-HTS
Fructose	g	4.22		08/13/2018	
Glucose	g	2.73		08/13/2018	
Lactose	g	<0.25		08/13/2018	
Maltose	g	1.0		08/13/2018	
Sucrose	g	6.74		08/13/2018	
Protein (F=6.25)	g	11.12	27.80	07/30/2018	CHG-HTS
Calcium	mg	92.4	231	07/31/2018	CHG-HTS
Iron	mg	51.5	129	07/31/2018	CHG-HTS
Moisture	g	4.46	11.15	07/31/2018	CHG-HTS
Ash	g	3.38	8.45	08/01/2018	CHG-HTS
Vitamin D2	mcg	<0.75	<1.88	08/13/2018	
Vitamin D3	mcg	<0.55	<1.38	08/13/2018	
Total Vitamin D	mcg	<0.55	<1.38	08/01/2018	CHG-HTS

Results reported herein are provided "as is" and are based solely upon samples as provided by client. This report may not be distributed or reproduced except in full. Client shall not at any time misrepresent the content of this report. Silliker assumes no responsibility, and client hereby waives all claims against Silliker, for interpretation of such results.

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\* This Total Dietary Fiber measurement may include polysaccharides not currently recognized as dietary fiber by FDA. Clients must review their formulas and ingredients to determine fibers not currently recognized as fiber. Clients may need to consult with their fiber manufacturers to determine the regulatory status of their fiber.

\*\* The reported Total Sugars value is the sum of all naturally occurring and added sugars. Quantifying added sugars must be separately performed using food formulas, production records, and ingredient specifications.

**Additional Testing**

<b>Analyte</b>	<b>Result</b>	<b>Units</b>	<b>Test Approval Date</b>	<b>Test Location</b>
Ash	3.38	% (w/w)	08/01/2018	CHG

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**Method References**

Test	Method Reference	Internal Reference
Ash	AOAC 945.46	QA-0225-2001
Calcium	AOAC 984.27	QA-9901-1146
Calories	Calculation	
Cholesterol	AOAC 994.10	QA-9901-1863
Dietary Fiber	AOAC 991.43	SL-0220-4402.06
Iron	AOAC 984.27	QA-9901-1146
Moisture	AOAC 926.08	QA-0200-4101
Potassium	AOAC 984.27	QA-9901-1146
Protein	AOAC 992.23	SL-0215-4300
Sodium	AOAC 984.27	QA-9901-1146
Sugars	AOAC 980.13	SL-0235-4631
Total Carbohydrate	Calculation	
Total Fat	AOAC 996.06	QA-0210-4221
Total Vitamin D	AOAC 2011.11 Mod.	
Ash	AOAC 945.46	QA-0225-2001
Fat by Fatty Acid Profile	AOAC 996.06	QA-0210-4221

  
Jorge Hernandez Laboratory Director

**Noted Test Locations:** CHG-Silliker, Inc. Illinois Laboratory, 3600 Eagle Nest Drive, North Building, Crete, IL 60417

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