

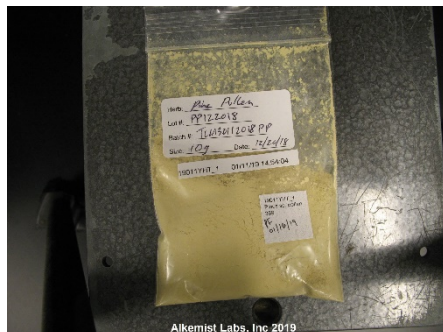
Certificate Issued To:
Lost Empire Herbs
195 Aviation Way Suite 102
Watsonville, LA 95076
USA



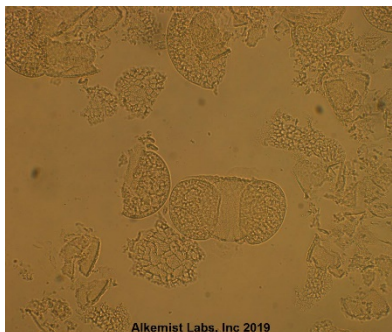
Work performed at:
Alkemist Labs
12661 Hoover Street
Garden Grove, CA 92841
714-754-HERB (4372)
sales@alkemist.com

Certificate of Analysis: Pine Pollen (PP122018)
Macroscopy & Microscopy with Digital Photo-Documentation

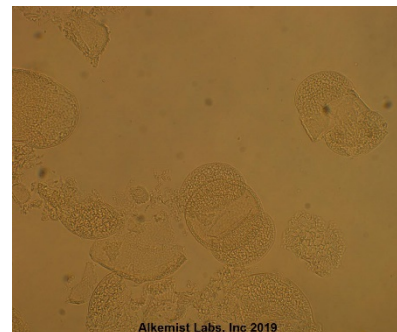
1



2



3



Company Name:	Lost Empire Herbs
Title:	Pine Pollen
Plant Part:	pollen
Sample Received:	1/11/2019
Sample Description:	Clear Reclosable Plastic Bag
Form of Botanical:	powder
Appearance:	(1) light yellow powder
Lot :	PP122018
Sample :	19011YHT_1
Latin Name:	Pinus sp.
Analyst:	E. Sudberg & P. Fast
Magnification:	(2) 400X
Chemical Reagents:	(2) acidified chloral hydrate glycerol solution
Sample Findings:	(2) bisaccate pollen grains
Magnification:	(3) 400X
Chemical Reagents:	(3) acidified chloral hydrate glycerol solution
Sample Findings:	(3) bisaccate pollen grains
Reference Source:	Textbook of Pollen Analysis, Knut, F., 1989; Method Developed by Alkemist Labs MIC-SOP-54-04, MIC-SOP-54-05, MIC-SOP-54-06, MIC-SOP-510-07

Comments & Conclusions: This sample has characteristics of *Pinus* sp. pollen based on the characteristics described in the reference cited above. The characteristic cellular structures identified in this sample are the bisaccate pollen grains seen in micrograph (2) and (3) above. **This test sample, Pine Pollen (PP122018), has characteristics of *Pinus* sp. pollen.**

NOTE: Bisaccate pollen is a characteristic shared by other species within the families Pinaceae and Podocarpaceae, and may not be specific to *Pinus* sp. The presence of soluble excipients and other plant species material was not detected in this test sample.

Analyzed by: Patrick Fast

Examined, Reviewed & Authorized by: Élan M Sudberg, CEO

Report Date: 1/16/2019



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