



CB Labs, Inc  
 Lic. # C8-17-0000006-TEMP  
 1615 Hill Rd 9  
 Novato, CA 94947  
 4154936605

Distributor:  
 Oakland Distributing  
 Lic. # M11-18-0000097-TEMP  
 1552 Beach Street Suite K  
 Emeryville, CA 94608

Producer:  
 Liposome Formulations Inc.  
 Lic. # cdph-T00000250  
 42 Digital Drive Suite 6  
 Novato, CA 94947

# Certificate of Analysis

Name: In the Pines

ID: 5b47d2fdd4203d001453a710

Date Analyzed: 8/1/2018

Date Received: 6/28/2018

Date Collected: 6/28/2018

Matrix: Pre-rolls

Batch Number: 14

Total Batch Size: 4000 units

Sample Increment: 1g

Total Sample Weight: 20g

## Cannabinoids

	HPLC-DAD	
	mg/g	%
8THC	< LOQ	< LOQ
CBD	7.85	0.79
CBDA	< LOQ	< LOQ
CBGA	12.35	1.23
CBN	< LOQ	< LOQ
THC	32.97	3.30
THCA	88.48	8.85
THCV	1.05	0.11
Total CBD	7.85	0.79
Total THC	110.57	11.06

LOQ (Limit of Quantitation) = 1.0 mg/g

mg/g = milligrams per gram

Total THC = THCA \* 0.877 + THC

Total CBD = CBDA \* 0.877 + CBD

d9THC = THC

d8THC = 8THC

## Moisture Content

	%	limit	result
Moisture	6.5	13%	PASS
Loss on drying: AOAC 934.01			

## Residual Pesticides

	LC & GC MS/MS	
	mcg/g	result
Aldicarb	ND	PASS
Carbofuran	ND	PASS
Chlordane cis/trans	ND	PASS
Chlorfenapyr	ND	PASS
Chlorpyrifos	ND	PASS
Coumaphos	ND	PASS
Daminozide	ND	PASS
Dichlorvos	ND	PASS
Dimethoate	ND	PASS
Ethoprop (Ethoprophos)	ND	PASS
Etofenprox	ND	PASS
Fenoxycarb	ND	PASS
Fipronil	ND	PASS
Imazalil (Enilconazole)	ND	PASS
Methiocarb (Mercaptodimethur)	ND	PASS
Mevinphos (Phosdrin)	ND	PASS
Paclobutrazol	ND	PASS
Propoxur	ND	PASS
Spiroxamine	ND	PASS
Thiacloprid	ND	PASS
methyl Parathion	ND	PASS

LOQ (Limit of Quantitation) = 0.1 mcg/g

LOD (Limit of Detection) = 0.1 mcg/g

mcg/g = micrograms per gram

ND = Not Detected

Analytical Method: A novel comprehensive strategy for residual pesticide analysis in cannabis flower. Lilly Asanuma et. al.

## Microbiological Screen

	qPCR
	result
Aspergillus flavus	PASS
Aspergillus fumigatus	PASS
Aspergillus niger	PASS
Aspergillus terreus	PASS
Escherichia coli Shiga toxin	PASS
Salmonella spp.	PASS

Scientific Director, Clarence Gillett Ph. D.  
 8/1/2018



verify at [cblabs.us](http://cblabs.us)

