



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

Distributor: Oakland Distributing Inc.
 Lic. # A11-18-0000071-TEMP
 1552 Beach Street, Ste K,
 Emeryville, CA 94608

Producer: Liposome Formulations
 Lic. # CDPH-T-00000250
 42 Digital Drive, Novato, CA
 94949

Certificate of Analysis

Name: Bruce Banner

Batch: PASS

Matrix: Pre-rolls

ID: 5bec6325e84d19001407c870

Batch Number: 34

Date Received: 11/14/2018

Total Batch Size: 3500g

Date Collected: 11/14/2018

Sample Increment: 1g

Total Sample Weight: 20 units

Cannabinoids

tested: 11/14/2018 HPLC-DAD

	mg/g	%
CBD	1.48	0.15
CBDA	2.18	0.22
CBG	1.46	0.15
CBN	1.06	0.11
THC	54.68	5.47
THCA	139.66	13.97
Total CBD	3.39	0.34
Total THC	177.16	17.72

mg/g = milligrams per gram
 LOQ (Limit of Quantitation) = 1.0 mg/g
 Total THC = THCA * 0.877 + THC
 Total CBD = CBDA * 0.877 + CBD
 d9THC = THC
 d8THC = 8THC
 method per SOP

Moisture Content

tested: 11/14/2018

	%	AL	result
Moisture	7.2	13%	PASS

Loss on drying: AOAC 934.01

Microbiological Screen

tested: 11/14/2018 qPCR

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

method per SOP



Residual Pesticides

tested: 11/16/2018 LC & GC MS/MS

	LOD	value	AL	result
Abamectin total	2.50e-5	ND	1.00e-1	PASS
Acephate	7.81e-4	ND	1.00e-1	PASS
Acequinocyl total	5.00e-5	ND	1.00e-1	PASS
Acetamiprid	6.25e-6	ND	1.00e-1	PASS
Aldicarb	1.25e-5	ND	1.25e-5	PASS
Azoxystrobin	1.25e-5	ND	1.00e-1	PASS
Bifenazate	1.25e-5	ND	1.00e-1	PASS
Bifenthrin	1.25e-5	ND	3.00e+0	PASS
Boscalid	1.25e-5	ND	1.00e-1	PASS
Captan	3.91e-4	ND	7.00e-1	PASS
Carbaryl	1.25e-5	ND	5.00e-1	PASS
Carbofuran	6.25e-6	ND	6.25e-6	PASS
Chlorantraniliprole	6.25e-6	ND	1.00e+1	PASS
Chlordane total	1.56e-3	ND	1.56e-3	PASS
Chlorfenapyr	9.77e-5	ND	9.77e-5	PASS
Chlorpyrifos	1.25e-5	ND	1.25e-5	PASS
Clofentezine	1.00e-4	ND	1.00e-1	PASS
Coumaphos	6.25e-6	ND	6.25e-6	PASS
Cyfluthrin - total	1.56e-3	ND	2.00e+0	PASS
Cypermethrin	2.50e-5	ND	1.00e+0	PASS
Daminozide	6.25e-6	ND	6.25e-6	PASS
Diazinon	1.25e-5	ND	1.00e-1	PASS
Dichlorvos	1.25e-5	ND	1.25e-5	PASS
Dimethoate	6.25e-6	ND	6.25e-6	PASS
Dimethomorph	2.50e-4	ND	2.00e+0	PASS
Ethoprophos	1.25e-5	ND	1.25e-5	PASS
Etofenprox	6.25e-6	ND	6.25e-6	PASS
Etoxazole	2.50e-5	ND	1.00e-1	PASS
Fenhexamid	1.25e-5	ND	1.00e-1	PASS
Fenoxycarb	2.50e-5	ND	2.50e-5	PASS
Fenpyroximate	2.50e-5	ND	1.00e-1	PASS
Fipronil	1.25e-5	ND	1.25e-5	PASS
Flonicamid	2.50e-5	ND	1.00e-1	PASS
Fludioxonil	1.25e-5	ND	1.00e-1	PASS
Hexythiazox	1.25e-5	ND	1.00e-1	PASS
Imazalil	1.25e-5	ND	1.25e-5	PASS
Imidacloprid	1.25e-5	ND	5.00e+0	PASS
Kresoxim methyl	9.77e-5	ND	1.00e-1	PASS
Malathion	5.00e-5	ND	5.00e-1	PASS

	LOD	value	AL	result
Metalaxyl	6.25e-6	ND	2.00e+0	PASS
Methiocarb	2.50e-5	ND	2.50e-5	PASS
Methomyl	1.25e-5	ND	1.00e+0	PASS
Mevinphos	6.25e-6	ND	6.25e-6	PASS
Myclobutanil	1.25e-5	ND	1.00e-1	PASS
Naled	6.25e-6	ND	1.00e-1	PASS
Oxamyl	6.25e-6	ND	5.00e-1	PASS
Paclobutrazol	1.25e-5	ND	1.25e-5	PASS
Parathion-methyl	9.77e-5	ND	9.77e-5	PASS
Pentachloronitrobenzene	3.91e-4	ND	1.00e-1	PASS
Permethrin total	1.95e-4	ND	5.00e-1	PASS
Phosmet	1.25e-5	ND	1.00e-1	PASS
Piperonyl butoxide	6.25e-6	5.27e-5	3.00e+0	PASS
Prallethrin	6.25e-6	ND	1.00e-1	PASS
Propiconazole	2.50e-5	ND	1.00e-1	PASS
Propoxur	6.25e-6	ND	6.25e-6	PASS
Pyrethrin total	6.25e-6	ND	5.00e-1	PASS
Pyridaben	1.25e-5	ND	1.00e-1	PASS
Spinetoram total	6.25e-6	ND	1.00e-1	PASS
Spinosad total	1.25e-5	ND	1.00e-1	PASS
Spiromesifen	1.25e-5	ND	1.00e-1	PASS
Spirotetramat	1.25e-5	ND	1.00e-1	PASS
Spiroxamine	6.25e-6	ND	6.25e-6	PASS
Tebuconazole	6.25e-6	ND	1.00e-1	PASS
Thiacloprid	1.25e-5	ND	1.25e-5	PASS
Thiamethoxam	1.25e-5	ND	5.00e+0	PASS
Trifloxystrobin	6.25e-6	ND	1.00e-1	PASS

LOD (Limit of Detection) = mcg/g

value = mcg/g

AL (action level) = mcg/g

mcg/g = micrograms per gram

ND = Not Detected

LOQ meets state requirements for 0.1 mcg/g

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

Foreign Matter

PASS

tested: 11/14/2018




Scientific Director, Clarence Gillett Ph. D.
11/16/2018

verify at cblabs.us

