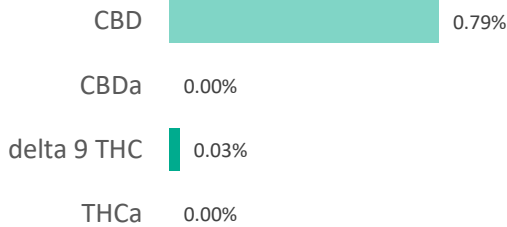
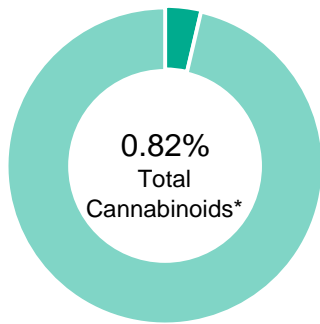


**Kingsley 4089 \*FULL SPECTRUM ANALYSIS**

<b>Batch ID:</b>	234089	<b>Test ID:</b>	6049970.0034
<b>Reported:</b>	23-Dec-2019	<b>Method:</b>	TM14
<b>Type:</b>	Concentrate		
<b>Test:</b>	Potency		

**CANNABINOID PROFILE**


Compound	LOQ (%)	Result (%)	Result (mg/g)
Delta 9-Tetrahydrocannabinolic acid (THCA-A)	0.03	0.00	0.0
Delta 9-Tetrahydrocannabinol (Delta 9THC)	0.01	0.03	0.3
Cannabidiolic acid (CBDA)	0.02	0.00	0.0
Cannabidiol (CBD)	0.01	0.79	7.9
Delta 8-Tetrahydrocannabinol (Delta 8THC)	0.02	0.00	0.0
Cannabinolic Acid (CBNA)	0.04	0.00	0.0
Cannabinol (CBN)	0.02	0.00	0.0
Cannabigerolic acid (CBGA)	0.03	0.00	0.0
Cannabigerol (CBG)	0.01	0.00	0.0
Tetrahydrocannabivarinic Acid (THCVA)	0.03	0.00	0.0
Tetrahydrocannabivarin (THCV)	0.01	0.00	0.0
Cannabidivarinic Acid (CBDVA)	0.02	0.00	0.0
Cannabidivarin (CBDV)	0.01	0.00	0.0
Cannabichromenic Acid (CBCA)	0.02	0.00	0.0
Cannabichromene (CBC)	0.03	0.00	0.0
<b>Total Cannabinoids</b>		<b>0.82</b>	<b>8.20</b>
Total Potential THC**		0.03	0.30
Total Potential CBD**		0.79	7.90


**NOTES:**

N/A

% = % (w/w) = Percent (Weight of Analyte / Weight of Product)

\* Total Cannabinoids result reflects the absolute sum of all cannabinoids detected.

\*\* Total Potential THC/CBD is calculated using the following formulas to take into account the loss of a carboxyl group during decarboxylation step.

$$\text{Total THC} = \text{THC} + (\text{THCa} * (0.877)) \text{ and Total CBD} = \text{CBD} + (\text{CBDa} * (0.877))$$
**FINAL APPROVAL**


Tyler Wiese  
23-Dec-2019  
6:50 PM

PREPARED BY / DATE



David Green  
23-Dec-2019  
7:27 PM

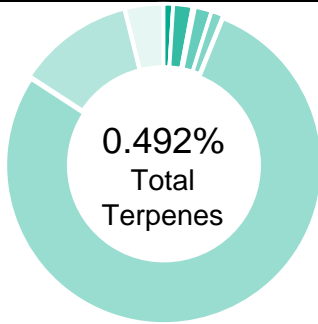
APPROVED BY / DATE

Testing results are based solely upon the sample submitted to Botanacor Laboratories, LLC, in the condition it was received. Botanacor Laboratories, LLC warrants that all analytical work is conducted professionally in accordance with all applicable standard laboratory practices using validated methods. Data was generated using an unbroken chain of comparison to NIST traceable Reference Standards and Certified Reference Materials. This report may not be reproduced, except in full, without the written approval of Botanacor Laboratories, LLC. ISO/IEC 17025:2005 Accredited A2LA Certificate Number 4329.02

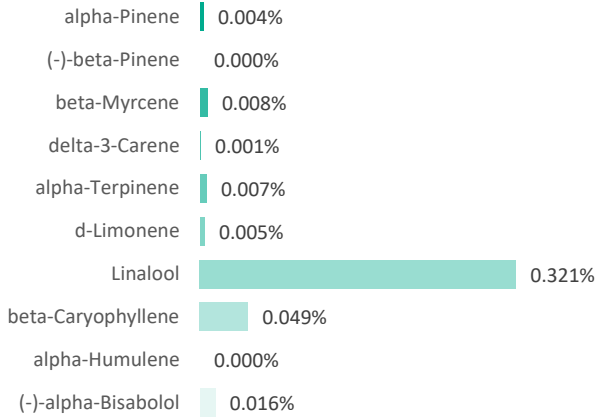


**Balm**


<b>Batch ID:</b>	234089	<b>Test ID:</b>	2662061.0037
<b>Reported:</b>	9-Dec-2019	<b>Method:</b>	TM10
<b>Type:</b>	Concentrate		
<b>Test:</b>	Terpenes		

**TERPENE PROFILE**


Compound	%(w/w)	mg/g
(-)-alpha-Bisabolol	0.016	0.16
Camphene	0.000	0
delta-3-Carene	0.001	0.01
beta-Caryophyllene	0.049	0.49
(-)-Caryophyllene Oxide	0.000	0
p-Cymene	0.004	0.04
Eucalyptol	0.012	0.12
Geraniol	0.003	0.03
alpha-Humulene	0.000	0
(-)-Isopulegol	0.000	0
d-Limonene	0.005	0.05
Linalool	0.321	3.21
beta-Myrcene	0.008	0.08
cis-Nerolidol	0.000	0
trans-Nerolidol	0.000	0
Ocimene	0.027	0.27
beta-Ocimene	0.016	0.16
alpha-Pinene	0.004	0.04
(-)-beta-Pinene	0.000	0
alpha-Terpinene	0.007	0.07
gamma-Terpinene	0.016	0.16
Terpinolene	0.003	0.03
	<b>0.492%</b>	<b>4.92</b>

**PREDOMINANT TERPENES**

 NOTES:  
 0

**FINAL APPROVAL**

 Daniel Weidensaul 9-Dec-2019 1:47 PM	 David Green 9-Dec-2019 2:13 PM
--	---

PREPARED BY / DATE

APPROVED BY / DATE

Testing results are based solely upon the sample submitted to Botanacor Laboratories, LLC. Botanacor Laboratories, LLC warrants that all analytical work is conducted professionally in accordance with all applicable standard laboratory practices using validated methods. Data was generated using an unbroken chain of comparison to NIST traceable Reference Standards and Certified Reference Materials. This report may not be reproduced, except in full, without the written approval of Botanacor Laboratories, LLC. ISO/IEC 17025:2005 Accredited A2LA Certificate Number 4329.02

## Balm

<b>Batch ID:</b>	234089	<b>Test ID:</b>	8825391.027
<b>Reported:</b>	30-Nov-2019	<b>Method:</b>	Topical - Test Methods: TM05, TM06
<b>Type:</b>	Topical		
<b>Test:</b>	Microbial Contaminants		

## MICROBIAL CONTAMINANTS

Contaminant	Result (CFU/g)*
<b>Total Aerobic Count**</b>	None Detected
<b>Total Coliforms**</b>	None Detected
<b>Total Yeast and Molds**</b>	None Detected
<b><i>E. coli</i></b>	None Detected
<b><i>Salmonella</i></b>	None Detected

\* CFU/g = Colony Forming Unit per Gram

\*\* Values recorded in scientific notation, a common microbial practice of expressing numbers that are too large to be conveniently written in decimal form.

Examples:  $10^2 = 100$  CFU  
 $10^3 = 1,000$  CFU  
 $10^4 = 10,000$  CFU  
 $10^5 = 100,000$  CFU

## NOTES:


Free from visual mold, mildew, and foreign matter

TYM: None Detected

Total Aerobic: None Detected

Coliforms: None Detected

## FINAL APPROVAL



Robert Belfon  
30-Nov-2019  
6:10 PM



Mike Branvold  
30-Nov-2019  
8:23 PM

PREPARED BY / DATE

APPROVED BY / DATE

Testing results are based solely upon the sample submitted to Botanacor Services, LLC, in the condition it was received. Botanacor Services, LLC warrants that all analytical work is conducted professionally in accordance with all applicable standard laboratory practices using validated methods. Data was generated using an unbroken chain of comparison to NIST traceable Reference Standards and Certified Reference Materials. This report may not be reproduced, except in full, without the written approval of Botanacor Services, LLC.

**Balm**

<b>Batch ID:</b>	234089	<b>Test ID:</b>	1892194.0016
<b>Reported:</b>	4-Dec-2019	<b>Method:</b>	TM17
<b>Type:</b>	Concentrate		
<b>Test:</b>	Pesticides		


**PESTICIDE RESIDUE**


Compound	Dynamic Range (ppb)	Result (ppb)	Compound	Dynamic Range (ppb)	Result (ppb)
Acephate	57 - 2636	ND*	Malathion	57 - 2636	ND*
Acetamiprid	57 - 2636	ND*	Metalaxyl	342 - 2636	ND*
Avermectin	342 - 2636	ND*	Methiocarb	57 - 2636	ND*
Azoxystrobin	57 - 2636	ND*	Methomyl	57 - 2636	ND*
Bifenazate	57 - 2636	ND*	MGK 264 1	57 - 2636	ND*
Boscalid	342 - 2636	ND*	MGK 264 2	342 - 2636	ND*
Carbaryl	57 - 2636	ND*	Myclobutanil	342 - 2636	ND*
Carbofuran	57 - 2636	ND*	Naled	342 - 2636	ND*
Chlorantraniliprole	57 - 2636	ND*	Oxamyl	57 - 2636	ND*
Chlorpyrifos	342 - 2636	ND*	Paclobutrazol	57 - 2636	ND*
Clofentezine	57 - 2636	ND*	Permethrin	342 - 2636	ND*
Diazinon	57 - 2636	ND*	Phosmet	57 - 2636	ND*
Dichlorvos	342 - 2636	ND*	Prophos	342 - 2636	ND*
Dimethoate	57 - 2636	ND*	Propoxur	342 - 2636	ND*
E-Fenpyroximate	342 - 2636	ND*	Pyridaben	342 - 2636	ND*
Etofenprox	342 - 2636	ND*	Spinosad A	57 - 2636	ND*
Etoxazole	342 - 2636	ND*	Spinosad D	342 - 2636	ND*
Fenoxycarb	57 - 2636	ND*	Spiromesifen	57 - 2636	ND*
Fipronil	342 - 2636	ND*	Spirotetramat	342 - 2636	ND*
Flonicamid	57 - 2636	ND*	Spiroxamine 1	57 - 2636	ND*
Fludioxonil	342 - 2636	ND*	Spiroxamine 2	57 - 2636	ND*
Hexythiazox	342 - 2636	ND*	Tebuconazole	57 - 2636	ND*
Imazalil	342 - 2636	ND*	Thiacloprid	57 - 2636	ND*
Imidacloprid	57 - 2636	ND*	Thiamethoxam	57 - 2636	ND*
Kresoxim-methyl	57 - 2636	ND*	Trifloxystrobin	342 - 2636	ND*

\* ND = None Detected (Defined by Dynamic Range of the method)

N/A

**FINAL APPROVAL**

  
 Sam Smith  
 4-Dec-2019  
 6:32 AM  
 PREPARED BY / DATE

  
 David Green  
 4-Dec-2019  
 8:47 AM  
 APPROVED BY / DATE

Testing results are based solely upon the sample submitted to Botanacor Laboratories, LLC, in the condition it was received. Botanacor Laboratories, LLC warrants that all analytical work is conducted professionally in accordance with all applicable standard laboratory practices using validated methods. Data was generated using an unbroken chain of comparison to NIST traceable Reference Standards and Certified Reference Materials. This report may not be reproduced, except in full, without the written approval of Botanacor Laboratories, LLC.


**Balm**

<b>Batch ID:</b>	234089	<b>Test ID:</b>	T000039339
<b>Reported:</b>	12-Dec-2019	<b>Method:</b>	Arsenic = Arsenic EPA 6020A (mod), Cadmium = Cadmium EPA 6020A (mod), Lead = Lead EPA 6020A (mod), Mercury = Mercury EPA 6020A (mod)
<b>Type:</b>	Other		
<b>Test:</b>	Metals		


**HEAVY METALS**

Compound	Reporting Limit (ppm)	Result (ppm)
Arsenic	0.05	<0.05
Cadmium	0.05	<0.05
Lead	0.05	<0.05
Mercury	0.05	<0.05

**FINAL APPROVAL**

 Alex Smith  
12-Dec-2019  
7:11 AM

PREPARED BY / DATE

 Greg Zimpfer  
12-Dec-2019  
8:24 AM

APPROVED BY / DATE

Testing results are based solely upon the sample submitted to Botanacor Laboratories, LLC, in the condition it was received. Botanacor Laboratories, LLC warrants that all analytical work is conducted professionally in accordance with all applicable standard laboratory practices using validated methods. Data was generated using an unbroken chain of comparison to NIST traceable Reference Standards and Certified Reference Materials. This report may not be reproduced, except in full, without the written approval of Botanacor Laboratories, LLC.



prepared for: RAD EXTRACTION  
860 COMMERCIAL LANE  
PALMER LAKE, CO 80133

### Balm

<b>Batch ID:</b>	234089	<b>Test ID:</b>	1776426.007
<b>Reported:</b>	5-Dec-2019	<b>Method:</b>	TM04
<b>Type:</b>	Concentrate		
<b>Test:</b>	Residual Solvents		

### RESIDUAL SOLVENTS

Solvent	Reportable Range (ppm)	Result (ppm)
Propane	100 - 2000	0
Butanes (Isobutane, n-Butane)	100 - 2000	0
Pentane	100 - 2000	0
Ethanol	100 - 2000	278
Acetone	100 - 2000	0
Isopropyl Alcohol	100 - 2000	0
Hexane	6 - 120	0
Benzene	0.2 - 4	0.0
Heptanes	100 - 2000	0
Toluene	18 - 360	0
Xylenes (m,p,o-Xylenes)	43 - 860	0

#### NOTES:

Free from visual mold, mildew, and foreign matter.

### FINAL APPROVAL

Karen Winternheimer  
5-Dec-2019  
2:54 PM

Greg Zimpfer  
5-Dec-2019  
3:53 PM

PREPARED BY / DATE

APPROVED BY / DATE

Testing results are based solely upon the sample submitted to Botanacor Laboratories, LLC, in the condition it was received. Botanacor Laboratories, LLC warrants that all analytical work is conducted professionally in accordance with all applicable standard laboratory practices using validated methods. Data was generated using an unbroken chain of comparison to NIST traceable Reference Standards and Certified Reference Materials. This report may not be reproduced, except in full, without the written approval of Botanacor Laboratories, LLC. ISO/IEC 17025:2005 Accredited A2LA Certificate Number 4329.02



Certificate #4329.02