

Pac Crest Botanicals
 2542 State Route 101
 Ilwaco, WA 98624
 michael@paccrestbotanicals.com
 206-876-0275

Sample: 05-05-2023-33205
 Sample Received: 05/05/2023;
 Report Created: 05/11/2023; Expires: 05/10/2024

10,000mg RSO
 Ingestible, Tincture



<LOQ %
 Total THC

<LOQ %
 Δ-9 THC

32.010 %
 Total Cannabinoids

28.703 %
 Total CBD

Cannabinoids

(Testing Method: HPLC, CON-P-3000)
 Date Tested: 05/05/2023

Complete

Analyte	LOD	LOQ	Mass	Mass	
	%	%	%	mg/g	
Δ-8-Tetrahydrocannabinol (Δ-8 THC)	0.0483	0.0725	0.151	1.507	
Δ-9-Tetrahydrocannabinol (Δ-9 THC)	0.0319	0.0725	<LOQ	<LOQ	
Δ-9-Tetrahydrocannabinolic Acid (THCA-A)	0.0483	0.0725	ND	ND	
Δ-9-Tetrahydrocannabinophorol (Δ-9-THCP)	0.0483	0.0725	ND	ND	
Δ-9-Tetrahydrocannabivarin (Δ-9-THCV)	0.0483	0.0725	ND	ND	
Δ-9-Tetrahydrocannabivarinic Acid (Δ-9-THCVA)	0.0483	0.0725	ND	ND	
R-Δ-10-Tetrahydrocannabinol (R-Δ-10-THC)	0.0483	0.0725	ND	ND	
S-Δ-10-Tetrahydrocannabinol (S-Δ-10-THC)	0.0483	0.0725	ND	ND	
9R-Hexahydrocannabinol (9R-HHC)	0.0483	0.0725	ND	ND	
9S-Hexahydrocannabinol (9S-HHC)	0.0483	0.0725	ND	ND	
Tetrahydrocannabinol Acetate (THCO)	0.0483	0.0725	ND	ND	
Cannabidivarin (CBDV)	0.0483	0.0725	ND	ND	
Cannabidivarinic Acid (CBDVA)	0.0483	0.0725	ND	ND	
Cannabidiol (CBD)	0.0483	0.0725	28.703	287.026	
Cannabidiolic Acid (CBDA)	0.0483	0.0725	ND	ND	
Cannabigerol (CBG)	0.0483	0.0725	0.529	5.293	
Cannabigerolic Acid (CBGA)	0.0483	0.0725	ND	ND	
Cannabinol (CBN)	0.0483	0.0725	0.988	9.884	
Cannabinolic Acid (CBNA)	0.0483	0.0725	ND	ND	
Cannabichromene (CBC)	0.0483	0.0725	1.639	16.386	
Cannabichromenic Acid (CBCA)	0.0483	0.0725	ND	ND	
Total			32.010	320.096	

Total THC = THCa * 0.877 + Δ9-THC; Total CBD = CBDa * 0.877 + CBD; LOQ = Limit of Quantitation; ND = Not Detected.

Total THC Measurement of Uncertainty: ± 0.050%
 Total CBD Measurement of Uncertainty: ± 2.000%
 THCO potency analysis does not designate quantitative specificity of Δ-8-THCO and Δ-9-THCO isomers



New Bloom Labs
 6121 Heritage Park Drive, A500
 Chattanooga, TN 37416
 (844) 837-8223
 TN DEA#: RN0563975
 ANAB Testing Laboratory (AT-2868): ISO/IEC
 17025:2017

Natalie Siracusa
 Natalie Siracusa
 Laboratory Director

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Terpenes

(Testing Method: HS-GC/MS, CON-P-4000)

Date Tested: 05/05/2023

Analyte	LOD	LOQ	Mass	Mass	
	PPM	PPM	PPM	mg/g	
α-Bisabolol	0.750	3.000	351.090	0.351	<div style="width: 100%;"></div>
α-Humulene	0.750	3.000	54.888	0.055	<div style="width: 10%;"></div>
α-Pinene	0.750	3.000	ND	ND	<div style="width: 0%;"></div>
α-Terpinene	0.750	3.000	ND	ND	<div style="width: 0%;"></div>
1,8-Cineole	0.750	3.000	<LOQ	<LOQ	<div style="width: 0%;"></div>
β-Caryophyllene	0.750	3.000	89.921	0.090	<div style="width: 10%;"></div>
β-Myrcene	0.750	3.000	<LOQ	<LOQ	<div style="width: 0%;"></div>
Borneol	0.750	3.000	6.617	0.007	<div style="width: 1%;"></div>
Camphene	0.750	3.000	ND	ND	<div style="width: 0%;"></div>
Carene	0.750	3.000	ND	ND	<div style="width: 0%;"></div>
Caryophyllene Oxide	3.000	3.000	>3.000	>0.003	<div style="width: 10%;"></div>
Citral	0.750	3.000	ND	ND	<div style="width: 0%;"></div>
Dihydrocarveol	0.750	3.000	ND	ND	<div style="width: 0%;"></div>
Fenchone	0.750	3.000	<LOQ	<LOQ	<div style="width: 0%;"></div>
γ-Terpinene	0.750	3.000	ND	ND	<div style="width: 0%;"></div>
Limonene	0.750	3.000	<LOQ	<LOQ	<div style="width: 0%;"></div>
Linalool	0.750	3.000	18.852	0.019	<div style="width: 1%;"></div>
Menthol	0.750	3.000	ND	ND	<div style="width: 0%;"></div>
Nerolidol	0.750	3.000	ND	ND	<div style="width: 0%;"></div>
Ocimene	0.750	3.000	ND	ND	<div style="width: 0%;"></div>
Pulegone	0.750	3.000	ND	ND	<div style="width: 0%;"></div>
Terpinolene	0.750	3.000	ND	ND	<div style="width: 0%;"></div>
Total			619.575	0.620	0.062 %

Primary Aromas

Floral



Wood



Cinnamon



Hops



Lavender



Total terpenes value is qualitative and includes concentrations outside the assay quantitative analytical range.



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 Ingestible, Tincture



Heavy Metals

(Method of Analysis: ICP/MS, CON-P-7000)

Date Tested: 05/06/2023

Analyte	LOQ	Mass
	PPM	PPM
Arsenic	0.0958	<0.0958
Cadmium	0.0958	<0.0958
Lead	0.0958	<0.0958
Mercury	0.0958	<0.0958
Palladium	0.2395	<0.2395
Selenium	0.0958	<0.0958



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Pesticides


(Testing Method: LC/MS/MS & HPLC-UV, CON-P-5000)

Date Tested: 05/05/2023

Analyte	LOQ	Mass	Analyte	LOQ	Mass
	PPM	PPM		PPM	PPM
Acephate	0.100	<0.100	Imazalil	0.100	<0.100
Acequinocyl	0.100	<0.100	Imidacloprid	0.200	<0.200
Acetamiprid	0.100	<0.100	Kresoxim Methyl	0.100	<0.100
Aldicarb	0.100	<0.100	Malathion	0.100	<0.100
Avermectin B1A	0.100	<0.100	Metaxyl	0.100	<0.100
Avermectin B1B	0.100	<0.100	Methiocarb	0.100	<0.100
Azoxystrobin	0.100	<0.100	Methomyl	0.100	<0.100
Bifenazate	0.100	<0.100	Mevinphos	0.100	<0.100
Bifenthrin	0.100	<0.100	MGK-264	0.100	<0.100
Boscalid	0.100	<0.100	Myclobutanil	0.100	<0.100
Captan	0.700	<0.700	Naled	0.250	<0.250
Carbaryl	0.100	<0.100	Oxamyl	0.500	<0.500
Carbofuran	0.100	<0.100	Paclobutrazole	0.100	<0.100
Chlorantraniliprole	0.100	<0.100	Parathion Methyl	0.100	<0.100
Chlorfenapyr	0.100	<0.100	Pentachloronitrobenzene	0.150	<0.150
Chlormequat	0.100	<0.100	Permethrins	0.100	<0.100
Chlorpyrifos	0.100	<0.100	Phosmet	0.100	<0.100
Clofentazine	0.100	<0.100	Piperonyl Butoxide	1.000	<1.000
Coumaphos	0.100	<0.100	Prallethrin	0.100	<0.100
Cyfluthrin	0.500	<0.500	Propiconazole	0.100	<0.100
Cypermethrin	0.500	<0.500	Propoxur	0.100	<0.100
Diazinon	0.100	<0.100	Pyrethrins	0.500	<0.500
Dichlorvos (DDPV)	0.050	<0.050	Pyridaben	0.100	<0.100
Dimethoate	0.100	<0.100	Spinetoram	0.100	<0.100
Dimethomorph	0.100	<0.100	Spinosad A	0.050	<0.050
Ethoprophos	0.100	<0.100	Spinosad D	0.050	<0.050
Etofenprox	0.100	<0.100	Spiromesifen	0.100	<0.100
Etoxazole	0.100	<0.100	Spirotetramat	0.100	<0.100
Fenhexamid	0.100	<0.100	Spiroxamine	0.100	<0.100
Fenoxycarb	0.100	<0.100	Tebuconazole	0.100	<0.100
Fenpyroximate	0.100	<0.100	Thiacloprid	0.100	<0.100
Fipronil	0.100	<0.100	Thiamethoxam	0.100	<0.100
Flonicamid	0.100	<0.100	Trifloxystrobin	0.100	<0.100
Fludioxonil	0.100	<0.100	Chlordane	0.100	Not Detected
Hexythiazox	0.100	<0.100	Daminozide	0.100	Not Detected



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Mycotoxins

(Testing Method: LC/MS/MS, CON-P-5000)

Date Tested: 05/05/2023

Analyte	LOQ	Mass
	PPB	PPB
Aflatoxin B1	5.000	<5.000
Aflatoxin B2	5.000	<5.000
Aflatoxin G1	5.000	<5.000
Aflatoxin G2	5.000	<5.000
Ochratoxin A	20.000	Not Detected



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Microbials

(Testing Method: qPCR & 3M Petrifilm & SIM Plate, CON-P-6000, CON-P-9000)
 Date Tested: 05/06/2023

Analyte	LOQ	Units
	CFU/g	CFU/g
Total Yeast and Mold Count	17	<17
Total Aerobic Bacteria Count	8	<8
Total Coliform Count	8	<8
Total Enterobacteriaceae/BTGN Count	8	<8
Aspergillus spp.		Not Detected
Shigatoxigenic Escherichia coli (STEC)		Not Detected
Salmonella		Not Detected
Listeria monocytogenes		Not Detected



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Residual Solvents

(Testing Method: HS-GC/MS, CON-P-8000)

Date Tested: 05/05/2023

Analyte	LOQ	Mass	Analyte	LOQ	Mass
	PPM	PPM		PPM	PPM
1, 2 Dichloroethane	2.000	<2.000	Ethanol	1000.000	<1000.000
1,1 Dichloroethene	2.000	<2.000	Ethyl Acetate	250.000	<250.000
1, 2 Dimethoxyethane	20.000	<20.000	Ethyl Ether	250.000	<250.000
1, 4 Dioxane	100.000	<100.000	Ethylbenzene	100.000	<100.000
1,1,1 Trichloroethane	20.000	<20.000	Ethylene Oxide	5.000	<5.000
1,1,2 Trichloroethane	20.000	<20.000	Hexane	100.000	<100.000
1,2,3,4 Tetrahydronaphthalene	20.000	<20.000	Isobutanol	1000.000	<1000.000
2 Ethoxyethanol	20.000	<20.000	Methanol	100.000	<100.000
2 Hexanone	20.000	<20.000	n-Heptane	1000.000	<1000.000
2 Propanol	500.000	<500.000	n-Pentane	100.000	<100.000
Acetone	250.000	<250.000	n-Propanol	1000.000	<1000.000
Acetonitrile	20.000	<20.000	Nitromethane	10.000	<10.000
Benzene	1.000	<1.000	o-Xylene, m-Xylene, p-Xylene	100.000	<100.000
Butane	1000.000	<1000.000	Propane	1000.000	<1000.000
Chlorobenzene	100.000	<100.000	tert-Butanol	1000.000	<1000.000
Chloroform	2.000	<2.000	Tetrahydrofuran	100.000	<100.000
cis 1,2 Dichloroethene	100.000	<100.000	Toluene	100.000	<100.000
Diacetyl	100.000	<100.000	trans 1, 2 Dichloroethene	100.000	<100.000
Dichloromethane	100.000	<100.000	Trichloroethene	20.000	<20.000



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