

NC Controlled Substance License #: NC-DHHS-1002881  
 DEA Controlled Substance License #: RD0577986  
 ISO 17025 Certification: PENDING  
 Proficiency Testing Enrolled: Hemp PT Program U of Kentucky Regulatory Services

9  
  
**ANALYTICAL**  
**Delta 9 Analytical**  
 Professional, Accurate, Responsive

**Laboratory Location**  
 6308 Angus Drive, Ste B  
 Raleigh NC 27617  
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Client Acct#: 49  
 Client Name: Hemp Generation  
 Client Address: 124 S Maynard Rd, Ste B  
 Cary, NC 27511

Grower/Processor Lic: **NC 1477**  
 Received Date: 12172020  
 Reported Date: 12212020  
 Sample ID: **1387**

Sample Name: **Broad Spectrum**  
 Sample Type: Extract  
 Sample Matrix: Tincture  
 Sample Size: 1mL



**CANNABINOID SUMMARY**

<b>TOTAL CANNABINOIDS:</b> 38.19 mg/mL
<b>TOTAL CBD:</b> 37.55 mg/mL (1127 mg)
<b>TOTAL THC:</b> ND
<b>Δ9-THC:</b> ND

**CANNABINOIDS** (Liquid Chromatography Mass Spectrometry - LCMS)

ANALYTE	MASS (%)	MASS (mg/mL)	LOQ (%)	ANALYTE	MASS (%)	MASS (mg/mL)	LOQ (%)
Cannabinol (CBN)	<0.05	<0.5	0.05	Cannabidiolic Acid (CBDA)	<0.05	<0.5	0.05
Δ8-THC	ND	ND	0.05	Δ9-THC Acid (THCA)	<0.05	<0.5	0.05
Cannabichromene (CBC)	<0.05	<0.5	0.05	THC-varian (THCV)	ND	ND	0.05
Cannabigerol (CBG)	ND	ND	0.05	***Δ9-THC	ND	ND	0.05
Cannabidiol (CBD)	3.7554	36.55	0.05	**TOTAL CANNABINOIDS	3.819	38.19	
Cannabigerolic Acid (CBGA)	0.0638	0.638	0.05	*TOTAL THC	ND	ND	
Cannabidivarin (CBDV)	<0.05	<0.5	0.05	*TOTAL CBD	3.755	37.55	

\*Calculated as follows: Total CBD/G = CBD/GA% (0.877) + CBD/G%. Total THC = THCA% (0.877) + Δ9-THC %. \*\*Total Cannabinoids is the absolute sum of all cannabinoids detected. ND = Not Detected

**RESULT CERTIFICATION**

 12212020  
 Frank P. Mauro COO/Michael R. Horton CSO & Date






Scan QR Code to verify COA at [www.delta9analytical.com](http://www.delta9analytical.com)

Testing results are based solely upon the sample submitted to Delta 9 Analytical, LLC. (D9A) In the condition it was received. D9A warrants that all analytical work is conducted professionally in accordance with all applicable standard practices using validated methods utilizing certified reference standards. \*\*\*The uncertainty of measurement associated with the measurement result reported in this certificate is available from D9A upon request. This report may not be reproduced, except in full, without the written approval of D9A.



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**GVB Oregon**

Grass Valley, OR 97029  
(415) 310-0973  
Lic. #AG-R10466461HH



**Sample: 20JA1293.01**

Concentrate/Extract - Full Compliance Post  
Control Study - CAN, PES-R, SOL-R

Report Date: 8/10/2020  
Intake Date: 08/05/2020  
Harvest/Prod. Date: 08/04/2020  
Pesticides Analysis Date: 08/10/2020

## BSD

Strain: BSD  
METRC Sample #: ; METRC Batch #:  
External Batch #: 2955; Analytical Batch #: Pest-2020-08-05-01

## Pesticides

Pass

Analyte	LOQ	Limit	Results	Status	Analyte	LOQ	Limit	Results	Status
	PPM	PPM	PPM			PPM	PPM	PPM	
Abamectin	0.25	0.50	<LOQ	Pass	Imazalil	0.10	0.20	<LOQ	Pass
Acephate	0.20	0.40	<LOQ	Pass	Imidacloprid	0.20	0.40	<LOQ	Pass
Acequinocyl	1.00	2.00	<LOQ	Pass	Kresoxim Methyl	0.20	0.40	<LOQ	Pass
Acetamiprid	0.10	0.20	<LOQ	Pass	Malathion	0.10	0.20	<LOQ	Pass
Aldicarb	0.20	0.40	<LOQ	Pass	Metaxyl	0.10	0.20	<LOQ	Pass
Azoxystrobin	0.10	0.20	<LOQ	Pass	Methiocarb	0.10	0.20	<LOQ	Pass
Bifenazate	0.10	0.20	<LOQ	Pass	Methomyl	0.20	0.40	<LOQ	Pass
Bifenthrin	0.10	0.20	<LOQ	Pass	Methyl Parathion	0.10	0.20	<LOQ	Pass
Boscalid	0.20	0.40	<LOQ	Pass	MGK-264	0.10	0.20	<LOQ	Pass
Carbaryl	0.10	0.20	<LOQ	Pass	Myclobutanil	0.10	0.20	<LOQ	Pass
Carbofuran	0.10	0.20	<LOQ	Pass	Naled	0.25	0.50	<LOQ	Pass
Chlorantraniliprole	0.10	0.20	<LOQ	Pass	Oxamyl	0.50	1.00	<LOQ	Pass
Chlorfenapyr	0.50	1.00	<LOQ	Pass	Paclbutrazol	0.20	0.40	<LOQ	Pass
Chlorpyrifos	0.10	0.20	<LOQ	Pass	Permethrins	0.10	0.20	<LOQ	Pass
Clofentezine	0.10	0.20	<LOQ	Pass	Phosmet	0.10	0.20	<LOQ	Pass
Cyfluthrin	0.50	1.00	<LOQ	Pass	Piperonyl Butoxide	1.00	2.00	<LOQ	Pass
Cypermethrin	0.50	1.00	<LOQ	Pass	Prallethrin	0.10	0.20	<LOQ	Pass
Daminozide	0.50	1.00	<LOQ	Pass	Propiconazole	0.20	0.40	<LOQ	Pass
DDVP	0.50	1.00	<LOQ	Pass	Propoxur	0.10	0.20	<LOQ	Pass
Diazinon	0.10	0.20	<LOQ	Pass	Pyrethrins	0.50	1.00	<LOQ	Pass
Dimethoate	0.10	0.20	<LOQ	Pass	Pyridaben	0.10	0.20	<LOQ	Pass
Ethoprophos	0.10	0.20	<LOQ	Pass	Spinosad	0.10	0.20	<LOQ	Pass
Etofenprox	0.20	0.40	<LOQ	Pass	Spiromesifen	0.10	0.20	<LOQ	Pass
Etoxazole	0.10	0.20	<LOQ	Pass	Spirotetramat	0.10	0.20	<LOQ	Pass
Fenoxycarb	0.10	0.20	<LOQ	Pass	Spiroxamine	0.20	0.40	<LOQ	Pass
Fenpyroximate	0.20	0.40	<LOQ	Pass	Tebuconazole	0.20	0.40	<LOQ	Pass
Fipronil	0.20	0.40	<LOQ	Pass	Thiacloprid	0.10	0.20	<LOQ	Pass
Flonicamid	0.50	1.00	<LOQ	Pass	Thiamethoxam	0.10	0.20	<LOQ	Pass
Fludioxonil	0.20	0.40	<LOQ	Pass	Trifloxystrobin	0.10	0.20	<LOQ	Pass
Hexythiazox	0.50	1.00	<LOQ	Pass					

QC Batch ID: Pest-2020-08-05-01  
Instrument: LC-MS/MS; Method: AOAC 2007.1-Mod; LOQ = Limit of Quantitation; The reported result is based on wet sample weight for that sample; Unless otherwise stated all quality control samples performed within specifications established by the Laboratory.Pesticide Analysis (Oregon Compliance Standard OAR 333-008-1190).

Ben Armstrong  
QA Review

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**Sample: 20JA1293.01**

Concentrate/Extract - Full Compliance Post  
Control Study - CAN, PES-R, SOL-R

Report Date: 8/10/2020  
Intake Date: 08/05/2020  
Harvest/Prod. Date: 08/04/2020  
Solvents Analysis Date: 08/06/2020

## BSD

Strain: BSD  
METRC Sample #: ; METRC Batch #:  
External Batch #: 2955; Analytical Batch #: RS-2020-08-04-02

## Residual Solvents

Pass

Analyte	LOQ	Limit	Results	RPD	Analyte	LOQ	Limit	Results	RPD
	PPM	PPM	PPM			PPM	PPM	PPM	
1,4-Dioxane	100	380.00	<LOQ	-	Toluene	100	890.00	<LOQ	-
2-Butanol	500	5000.00	<LOQ	-	<b>Pentanes</b>	<b>500</b>	<b>5000.00</b>	<b>&lt;LOQ</b>	-
2-Ethoxy-Ethanol	100	160.00	<LOQ	-	n-Pentane			<LOQ	-
2-Propanol IPA	500	5000.00	<LOQ	-	Isopentane			<LOQ	-
Acetone	500	5000.00	<LOQ	-	Neopentane			<LOQ	-
Acetonitrile	100	410.00	<LOQ	-	<b>Butanes</b>	<b>500</b>	<b>5000.00</b>	<b>&lt;LOQ</b>	-
Benzene	1	2.00	<LOQ	-	n-Butane			<LOQ	-
Cumene	50	70.00	<LOQ	-	Isobutane			<LOQ	-
Cyclohexane	500	3880.00	<LOQ	-	<b>Hexanes</b>	<b>50</b>	<b>290.00</b>	<b>&lt;LOQ</b>	-
Dichloromethane	100	600.00	<LOQ	-	n-Hexane			<LOQ	-
Ethyl-Acetate	500	5000.00	<LOQ	-	2-Methyl-Pentane			<LOQ	-
Ethyl-Ether	500	5000.00	<LOQ	-	3-Methyl-Pentane			<LOQ	-
Ethylene Glycol	300	620.00	<LOQ	-	2,2-Dimethyl-Butane			<LOQ	-
Ethylene Oxide	20	50.00	<LOQ	-	2,3-Dimethyl-Butane			<LOQ	-
Heptane	500	5000.00	<LOQ	-	<b>Xylenes</b>	<b>300</b>	<b>2170.00</b>	<b>&lt;LOQ</b>	-
Isopropyl-Acetate	500	5000.00	<LOQ	-	m-Xylene			<LOQ	-
Methanol	500	3000.00	<LOQ	-	o-Xylene			<LOQ	-
Propane	500	5000.00	<LOQ	-	p-Xylene			<LOQ	-
Tetrahydrofuran	100	720.00	<LOQ	-	Ethyl-Benzene			<LOQ	-

METRC RPD Status: N/A

Tentatively Identified Compounds: Peak 1: Hits 1-2: Ethanol

QC Batch ID: RS-2020-08-04-02

Instrument: GC/MS; Method: USP 467 - Modified; LOQ = Limit of Quantitation; The reported result is based on wet sample weight for that sample; Unless otherwise stated all quality control samples performed within specifications established by the Laboratory. Residual Solvent Analysis (Oregon Compliance Standard OAR 333-007-0410).

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