



Confidence Analytics

Cannabis Analytics and Research Specialists

WSLCCB License # 0003 | 14797 NE 95th St, Redmond, WA 98052 | (206) 743-8843 | info@confabls.com

Certified For: Cannabinoids | Microbiologicals | Mycotoxins | Foreign Matter | Moisture | Terpenes | Residual Solvents | Pesticides

Research and Development Certificate of Analysis

Official Test Results for Laboratory Sample # 7050883

Origination: Rainier Valley Hemp Company

UBI #:

Inventory #: 20200512RB002

Strain: CBD Powder

License #:

QA #: 20200512RB002



Type: Isolate

Harvest Date: Unknown

Address: 732 14th AVE NE

Date of Receipt: 2020-05-12

Approved By: N. Mosely, CEO

Seattle, WA 98122

Date of Testing: 2020-05-15

S. Stevens, LDR

PASS/FAIL

Chemical Profile (units in percent by weight)

Foreign Matter+Seeds *PASS*

Mycotoxins NE

Pesticides *PASS*

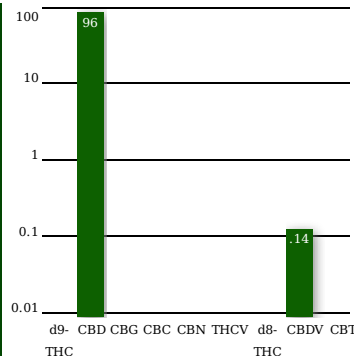
Residual Solvents NE

Shelf Stability

Loss-On-Drying NE

Water Activity: NE

THC max ND raw sum: ND		CBD max 96 raw sum: 96		
THCA	ND	d9-THC	ND	
CBDA	ND	CBD	96	
CBGA	ND	CBG	ND	
CBC	ND	CBN	ND	
THCVA	ND	THCV	ND	
CBDVA	ND	CBDV	0.14	
CBT	ND	d8-THC	ND	Terp total:
Total Cannabinoids (raw sum): 96				



Terpene Fingerprint (units in percent by weight)

TERPENES NOT EXAMINED

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THC_{max} (a.k.a. Total THC) = $d9-THC + (THC-A * 0.877)$

CBD_{max} (a.k.a. Total CBD) = $CBD + (CBD-A * 0.877)$

Total Cannabinoid is a raw sum of all measured cannabinoids

In Traceability, Total Cannabinoid is a sum of THC_{max} and CBD_{max}

Figures may differ slightly from traceability due to rounding

ND = Not Detected

NE = Not

Examined

Unk = Unknown

Analytical Methods Used

Cannabinoids: HPLC-UV

Microbial: Plate Counting

Terpenes: HS-GC-FID

Solvents: HS-GC-MS

Trace Residue: UHPLC-

MSMS

Water Activity:

HYGROMER®

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Quantitative Impurities Report

Concentrations of analytes used to determine pass/fail status of individual tests.

* Greater than lower limit of detection (>LLOD) and less than lower limit of quantification (<LLOQ). Applies to instances when the analyte has been detected and positively identified, but the concentration is lower than we can accurately quantify. Literally: signal to noise ratio greater than 3 and signal less than calibration. LLOD is ~0.001 ppm for most analytes, LLOQ is ~0.01 for most analytes. Number shown is lower end of calibration (LLOQ).

** Greater than upper limit of quantification (>ULOQ). Applies to instances when the analyte concentration in the sample is greater than we can accurately measure without additional testing. Number shown is upper end of calibration (ULOQ).

Findings

ALKANES NOT EXAMINED

SOLVENT IMPURITIES NOT EXAMINED

ALCOHOLS NOT EXAMINED

MYCOTOXINS NOT EXAMINED

MICROBIOLOGICALS NOT EXAMINED

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*THCmax (a.k.a. Total THC) = d9-THC + (THC-A * 0.877)*

*CBDmax (a.k.a. Total CBD) = CBD + (CBD-A * 0.877)*

Total Cannabinoid is a raw sum of all measured cannabinoids

*In Traceability, Total Cannabinoid is a sum of THCmax and CBDmax
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Analytical Methods Used

Cannabinoids: HPLC-UV

Microbial: Plate Counting

Terpenes: HS-GC-FID

Solvents: HS-GC-MS

Trace Residue: UHPLC-

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Water Activity:

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Chemical Residue Screen

Official Test Results for Laboratory Sample # 7050883

Origination: Rainier Valley Hemp Company

UBI #:

Inventory #: 20200512RB002

Strain: CBD Powder

License #:

QA #: 20200512RB002

Type: Isolate

Harvest Date: Unknown

Address: 732 14th AVE NE
Seattle, WA 98122

Date of Receipt: 2020-05-12
Date of Testing: 2020-05-15

Approved By: N. Mosely, CEO
S. Stevens, LDR



Chemical Residue Screen - Test Report



Cannabis samples were homogenized and extracted using a custom protocol. Instrumental analysis was performed with UHPLC-MS/MS (tandem quadrupole). Target compounds were identified by matching to Certified Reference Materials. Ion-selective detection (multiple reaction monitoring, or MRM) was used to ensure that precursor and product ions of the correct masses co-eluted and were observed in ratios matching those for the reference materials.

Dozens of compounds representing many different classes of fungicides, herbicides, and plant growth regulators were screened for. This document lists all analytes detected in the Chemical Residue Screen.

Findings

Analyte Name	CAS #	Amount In Sample	PASS/FAIL	WA State Action Level	Analyte Name	CAS #	Amount In Sample	PASS/FAIL	WA State Action Level
(sum) Spinosads	NA	NOT DETECTED	PASS	0.20 ppm	Dichlorvos	62-73-7	NOT DETECTED	PASS	0.10 ppm
(sum) Permethrins	NA	NOT DETECTED	PASS	0.20 ppm	Dimethoate	60-51-5	NOT DETECTED	PASS	0.20 ppm
Abamectin B1a	71751-41-2	NOT DETECTED	PASS	0.50 ppm	Ethoprophos	13194-48-4	NOT DETECTED	PASS	0.20 ppm
Acephate	30560-19-1	NOT DETECTED	PASS	0.40 ppm	Etofenprox	80844-07-1	NOT DETECTED	PASS	0.40 ppm
Acetamiprid	135410-20-7	NOT DETECTED	PASS	0.20 ppm	Etoxazole	153233-91-1	NOT DETECTED	PASS	0.20 ppm
Aldicarb	116-06-3	NOT DETECTED	PASS	0.40 ppm	Fenoxycarb	72490-01-8	NOT DETECTED	PASS	0.20 ppm
Azoxystrobin	131860-33-8	NOT DETECTED	PASS	0.20 ppm	Fenpyroximate	134098-61-6	NOT DETECTED	PASS	0.40 ppm
Bifenazate	149877-41-8	NOT DETECTED	PASS	0.20 ppm	Fipronil	120068-37-3	NOT DETECTED	PASS	0.40 ppm
Bifenthrin	82657-04-3	NOT DETECTED	PASS	0.20 ppm	Flonicamid	158062-67-0	NOT DETECTED	PASS	1.00 ppm
Boscalid	188425-85-6	NOT DETECTED	PASS	0.40 ppm	Fludioxonil	131341-86-1	NOT DETECTED	PASS	0.40 ppm
Carbaryl	63-25-2	NOT DETECTED	PASS	0.20 ppm	Hexythiazox	78587-05-0	NOT DETECTED	PASS	1.00 ppm
Carbofuran	1563-66-2	NOT DETECTED	PASS	0.20 ppm	Imazail	35554-44-0	NOT DETECTED	PASS	0.20 ppm
Chlorantraniliprole	500008-45-7	NOT DETECTED	PASS	0.20 ppm	Imidacloprid	138261-41-3	NOT DETECTED	PASS	0.40 ppm
Chloromequat	7003-89-6	NOT DETECTED	PASS	0.10 ppm	Kresoxim-methyl	143390-89-0	NOT DETECTED	PASS	0.40 ppm
cis-Permethrin	52645-53-1	NOT DETECTED	PASS	0.20 ppm	Malathion	121-75-5	NOT DETECTED	PASS	0.20 ppm
Clofentazine	74115-24-5	NOT DETECTED	PASS	0.20 ppm	Metaxyl	57837-19-1	NOT DETECTED	PASS	0.20 ppm
Daminozide	1596-84-5	NOT DETECTED	PASS	1.00 ppm	Methiocarb	2032-65-7	NOT DETECTED	PASS	0.20 ppm
Diazinon	333-41-5	NOT DETECTED	PASS	0.20 ppm	Methomyl	16752-77-5	NOT DETECTED	PASS	0.40 ppm

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Microbial: Plate Counting
Terpenes: HS-GC-FID
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Trace Residue: UHPLC-MS/MS
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Myclobutanil	88671-89-0	NOT DETECTED	PASS	0.20 ppm	Thiamethoxam	153719-23-4	NOT DETECTED	PASS	0.20 ppm
Naled	300-76-5	NOT DETECTED	PASS	0.50 ppm	trans-Permethrin	52645-53-2	NOT DETECTED	PASS	0.20 ppm
Oxamyl	23135-22-0	NOT DETECTED	PASS	1.00 ppm	Trifloxystrobin	141517-21-7	NOT DETECTED	PASS	0.20 ppm
Paclobutrazol	76738-62-0	NOT DETECTED	PASS	0.40 ppm	Uniconazole	83657-22-1	NOT DETECTED	PASS	0.10 ppm
Phosemet (Imidan)	732-11-6	NOT DETECTED	PASS	0.20 ppm					
Piperonyl Butoxide	51-03-6	NOT DETECTED	PASS	2.00 ppm					
Prallethrin	23031-36-9	NOT DETECTED	PASS	0.20 ppm					
Propiconazole	60207-90-1	NOT DETECTED	PASS	0.40 ppm					
Propoxur	114-26-1	NOT DETECTED	PASS	0.20 ppm					
Pyrethrin I	8003-34-7	NOT DETECTED	PASS	1.00 ppm					
Pyridaben	96489-71-3	NOT DETECTED	PASS	0.20 ppm					
Spinosad A	168316-95-8	NOT DETECTED	PASS	0.20 ppm					
Spinosad D	168316-95-9	NOT DETECTED	PASS	0.20 ppm					
Spiromesifen	283594-90-1	NOT DETECTED	PASS	0.20 ppm					
Spirotetramat	203313-25-1	NOT DETECTED	PASS	0.20 ppm					
Spiroxamine	118134-30-8	NOT DETECTED	PASS	0.40 ppm					
Tebuconazole	80443-41-0	NOT DETECTED	PASS	0.40 ppm					
Thiacloprid	111988-49-9	NOT DETECTED	PASS	0.20 ppm					

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