



Confidence Analytics

Cannabis Analytics and Research Specialists
WSLCB License # 0003 | 14797 NE 95th St, Redmond, WA 98052 | (206) 743-8843 | info@conflabs.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 # 8021990

Origination: Vitality Natural

UBI #:

Inventory #: 4044012621

Strain: Energy RTM

License #:

QA #: 20210220RB001

Type: Edible

Harvest Date: Unknown

Address: 5305 NE 121st Ave #601 **Date of Receipt:** 2021-02-20

Approved By: N. Mosely, CEO

Vancouver, WA 98682 **Date of Testing:** 2021-02-21

S. Stevens, LDR



Dosage Calculation

	Net Wt	THC	CBD
Unit:	15g	ND	11mg

Calculated using the serving size provided by the manufacturer and listed above.

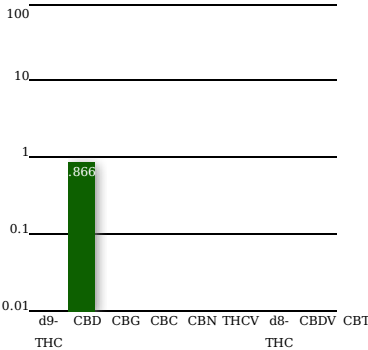
Chemical Profile (units in mg/g)

THC max		CBD max		
ND		0.783		
raw sum: ND		raw sum: 0.783		
THCA	ND	d9-THC	ND	
CBDA	ND	CBD	0.783	
CBGA	ND	CBG	ND	
CBC	ND	CBN	ND	
THCVA	ND	THCV	ND	
CBDVA	ND	CBDV	ND	
CBT	ND	d8-THC	ND	Terp total:
Total Cannabinoids (raw sum): 0.866				

Shelf Stability

Loss-On-Drying NE
Water Activity: NE

Cannabinoid Profile (units in mg/g)



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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
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®
Document Revised on 2021-03-01
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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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Chemical Residue Screen

Official Test Results for Laboratory Sample # 8021990

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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	Ethoprophos	13194-48-4	NOT DETECTED	PASS	0.20 ppm
(sum) Permethrins	NA	NOT DETECTED	PASS	0.20 ppm	Etofenprox	80844-07-1	NOT DETECTED	PASS	0.40 ppm
Abamectin B1a	71751-41-2	NOT DETECTED	PASS	0.50 ppm	Etoxazole	153233-91-1	NOT DETECTED	PASS	0.20 ppm
Acetamiprid	135410-20-7	NOT DETECTED	PASS	0.20 ppm	Fenoxycarb	72490-01-8	NOT DETECTED	PASS	0.20 ppm
Aldicarb	116-06-3	NOT DETECTED	PASS	0.40 ppm	Fenpyroximate	134098-61-6	NOT DETECTED	PASS	0.40 ppm
Azoxystrobin	131860-33-8	NOT DETECTED	PASS	0.20 ppm	Fipronil	120068-37-3	NOT DETECTED	PASS	0.40 ppm
Bifenazate	149877-41-8	NOT DETECTED	PASS	0.20 ppm	Flonicamid	158062-67-0	NOT DETECTED	PASS	1.00 ppm
Bifenthrin	82657-04-3	NOT DETECTED	PASS	0.20 ppm	Fludioxonil	131341-86-1	NOT DETECTED	PASS	0.40 ppm
Boscalid	188425-85-6	NOT DETECTED	PASS	0.40 ppm	Hexythiazox	78587-05-0	NOT DETECTED	PASS	1.00 ppm
Carbaryl	63-25-2	NOT DETECTED	PASS	0.20 ppm	Imazalil	35554-44-0	NOT DETECTED	PASS	0.20 ppm
Carbofuran	1563-66-2	NOT DETECTED	PASS	0.20 ppm	Imidacloprid	138261-41-3	NOT DETECTED	PASS	0.40 ppm
Chlorantraniliprole	500008-45-7	NOT DETECTED	PASS	0.20 ppm	Kresoxim-methyl	143390-89-0	NOT DETECTED	PASS	0.40 ppm
Chlorpyrifos	2921-88-2	NOT DETECTED	PASS	0.20 ppm	Malathion	121-75-5	NOT DETECTED	PASS	0.20 ppm
cis-Permethrin	52645-53-1	NOT DETECTED	PASS	0.20 ppm	Metalaxyl	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
Dichlorvos	62-73-7	NOT DETECTED	PASS	0.10 ppm	Myclobutanil	88671-89-0	NOT DETECTED	PASS	0.20 ppm
Dimethoate	60-51-5	NOT DETECTED	PASS	0.20 ppm	Oxamyl	23135-22-0	NOT DETECTED	PASS	1.00 ppm

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Microbial: Plate Counting
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Solvents: HS-GC-MS

Trace Residue: UHPLC-MS/MS
Water Activity: HYGROMER®
Microbial: Plate Counting
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Findings

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Paclobotrazol	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					
Thiamethoxam	153719-23-4	NOT DETECTED	PASS	0.20 ppm					
trans-Permethrin	52645-53-2	NOT DETECTED	PASS	0.20 ppm					
Trifloxystrobin	141517-21-7	NOT DETECTED	PASS	0.20 ppm					

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Solvents: HS-GC-MS

Trace Residue: UHPLC-MS/MS
Water Activity: HYGROMER®
Document Revised on 2021-03-01



Medicine Creek Analytics Certificate of Analysis

3700 Pacific HWY E, Ste 400, Fife, WA 98424
 WA State I502 Certification 0018 | ISO 17025 91428 | Accreditation #91428



Sample: **8021990-4404012621**

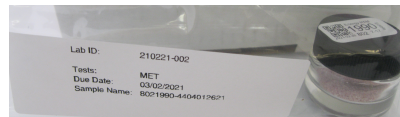
#COC/INVOICE: **4226**

Laboratory ID 210221-002	Matrix Edible (Other)	Batch ID	Inventory ID
Tested for Confidence Analytics	Address 14797 NE 95th St Redmond, WA 98052		License 3
Received 02/23/2021			Reported 02/26/2021
Analyses executed MET			

MET - Heavy Metals Detection Analysis

Analyzed **Feb 26, 2021** | Instrument **ICP-MS**

Analyte	LOD ug/5g	LOQ ug/5g	Result ug/5g	WRL ug/5g	Analyte	LOD ug/5g	LOQ ug/5g	Result ug/5g	WRL ug/5g
Arsenic (As)	0.02	0.06	ND	10	Cadmium (Cd)	0.01	0.04	ND	4.1
Lead (Pb)	0.01	0.02	ND	6	Mercury (Hg)	0.02	0.07	ND	2



NR Not Reported
ND Not Detected
<LOD Below Lod
NT Not Tested
LOD Limit of Detection
LOQ Limit of Quantification
DET Detected below quantitation limit
CFU/g Colony Forming Units per 1 gram
TNTC Too Numerous to Count
mg/g Milligrams per gram
ppm Parts per million
WRL Washington Regulatory Limit



Authorized Signature

Kyle Shelton

Kyle Shelton
 Lab Manager
 02/26/2021



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