



# Confidence Analytics

Cannabis Analytics and Research Specialists  
WSLCB License # 0003 | 14797 NE 95th St, Redmond, WA 98052 | (206) 743-8843 | info@confabslabs.com  
Certified For: Cannabinoids | Microbiologicals | Mycotoxins | Foreign Matter | Moisture | Terpenes | Residual Solvents | Pesticides

## I-502 Certificate of Analysis

### Official Test Results for Laboratory Sample # 8012477

Origination: Verdelux Chocolates

UBI #: 603270374

Inventory #: Waj416859.INTCP1K

Strain: Royal ACDC

License #: 416859

QA #: WAL3.INTDKS3

Type: EHO

Harvest Date: Unknown

Address: 924 Kentucky St

Date of Receipt: 2021-01-25

Approved By: N. Mosely, CEO

BELLINGHAM, WA 98225

Date of Testing: 2021-01-27

S. Stevens, LDR



### PASS/FAIL

Foreign Matter+Seeds **PASS**

Mycotoxins **PASS**

Pesticides **PASS**

Residual Solvents **PASS**

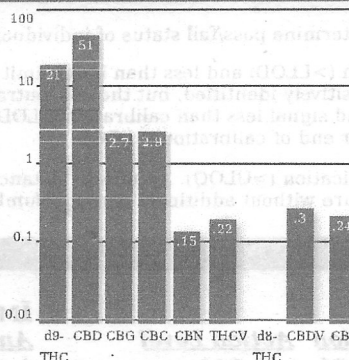
### Shelf Stability

Loss-On-Drying NE

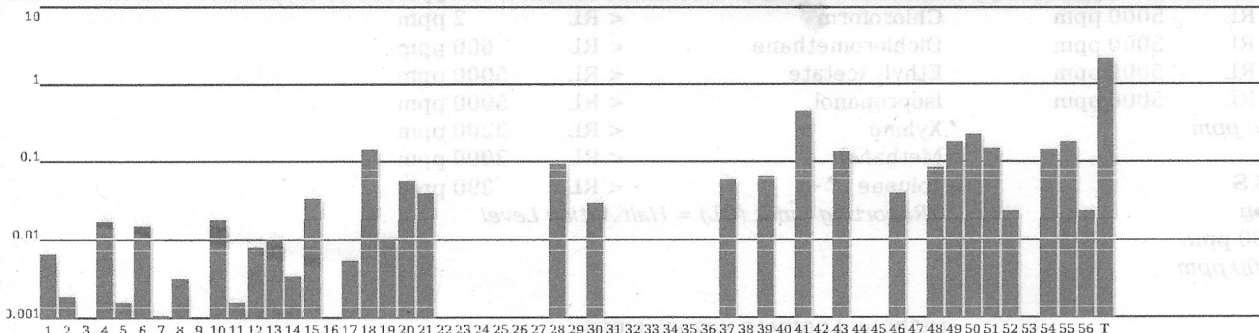
Water Activity: NE

### Chemical Profile (units in percent by weight)

THC max		CBD max		Caryophy
21		51		0.46
raw sum: 21		raw sum: 51		
THCA	ND	d9-THC	21	a-Maalie
CBDA	0.54	CBD	50	0.23
CBGA	0.032	CBG	2.7	
CBC	2.9	CBN	0.15	Selinadi
THCVA	ND	THCV	0.22	0.19
CBDVA	ND	CBDV	0.3	
CBT	0.24	d8-THC	ND	Terp total: 2.2
Total Cannabinoids (raw sum): 78				



### Terpene Fingerprint (units in percent by weight)



ref#	Name	%	ref#	Name	%	ref#	Name	%	ref#	Name	%
41	Caryophyllene	0.46	39	Farnesene	0.066	4	Myrcene	0.017	11*	p-Cymene	0.0016
50*	a-Maaliene	0.23	37*	trans-a-Bergam	0.061	6	a-Phellandrene	0.015	5	b-Pinene	0.0016
49*	Selinadiene	0.19	20	Fenchol	0.057	13	Eucalyptol	0.011	7	Carene	0.0011
55	Biscabolol	0.18	21*	trans-2-Pinane	0.04	19	Fenchone	0.01	T	Total	2.2
51*	Guaiol	0.15	46*	a-Bulnesene	0.039	12	b-OCimene	0.0081			
54*	Cedrol	0.15	15	Terpinolene	0.035	1*	Thujene	0.0065			
18	Linalool	0.14	30*	Citronellol	0.03	17*	p-Cymenene	0.0054			
43	Humulene	0.14	56*	trans-Nerolidol	0.024	14	g-Terpinene	0.0035			
28	Terpinolene	0.093	52*	CaryophylleneO	0.024	8	a-Terpinene	0.0032			
4R*	b-Maaliene	0.089	10	Limonene	0.018	2	a-Pinene	0.0019			

\*Not yet included in ISO scope of accreditation.

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

CBDmax (a.k.a. Total CBD) = CBD + (CBDA \* 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®

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Strain: Royal ACDC

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QA #: WAL3.INTDKS3



Type: EHO

Harvest Date: Unknown

Address: 924 Kentucky St Date of Receipt: 2021-01-25

Approved By: N. Mosely, CEO

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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

Analyte	Concentration	Action Level
Hexane	< RL	290 ppm
Cyclohexane	< RL	3900 ppm
Butane	< RL	5000 ppm
Pentane	< RL	5000 ppm
Heptane	< RL	5000 ppm
Propane	< RL	5000 ppm

\*Reporting Limit (RL) = 10 ppm

#### ALLOWED INGREDIENTS

Analyte	Concentration
Ethanol	990 ppm

\*Reporting Limit (RL) = 500 ppm

#### IMPURITIES

Analytes	Concentration	Action Level
Acetone	< RL	5000 ppm
Benzene	< RL	2 ppm
Chloroform	< RL	2 ppm
Dichloromethane	< RL	600 ppm
Ethyl Acetate	< RL	5000 ppm
Isopropanol	< RL	5000 ppm
Xylene	< RL	2200 ppm
Methanol	< RL	3000 ppm
Toluene	< RL	890 ppm

\*Reporting Limit (RL) = Half Action Level

#### MYCOTOXINS

Analyte	Concentration	Action Level*
Aflatoxin B1	< LLOQ	20 ppb
Aflatoxin B2	< LLOQ	20 ppb
Aflatoxin G1	< LLOQ	20 ppb
Aflatoxin G2	< LLOQ	20 ppb
Ochratoxin A	< LLOQ	20 ppb

\*Action Level is Sum of Aflatoxins

#### 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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ND = Not Detected  
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Analytical Methods Used  
Cannabinoids: HPLC-UV  
Microbial: Plate Counting  
Terpenes: HS-GC-FID  
Solvents: HS-GC-MS

Trace Residue: UHPLC-MS/MS  
Water Activity: HYGROMER®  
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**Chemical Residue Screen**



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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	WA State PASS/FAIL	Action Level	Analyte Name	CAS #	Amount In Sample	WA State PASS/FAIL	Action Level
(sum) Spinosads	NA	NOT DETECTED	PASS	0.20 ppm	Diazinon	333-41-5	NOT DETECTED	PASS	0.20 ppm
(sum) Permethrins	NA	NOT DETECTED	PASS	0.20 ppm	Dichlorvos	62-73-7	NOT DETECTED	PASS	0.10 ppm
Abamectin Bla	71751-41-2	NOT DETECTED	PASS	0.50 ppm	Dimethoate	60-51-5	NOT DETECTED	PASS	0.20 ppm
Acephate	30560-19-1	NOT DETECTED	PASS	0.40 ppm	Ethoprophos	13194-48-4	NOT DETECTED	PASS	0.20 ppm
Acetamiprid	135410-20-7	NOT DETECTED	PASS	0.20 ppm	Etofenprox	80844-07-1	NOT DETECTED	PASS	0.40 ppm
Aldicarb	116-06-3	NOT DETECTED	PASS	0.40 ppm	Etoazole	153233-91-1	NOT DETECTED	PASS	0.20 ppm
Azoxystrobin	131860-33-8	NOT DETECTED	PASS	0.20 ppm	Fenoxycarb	72490-01-8	NOT DETECTED	PASS	0.20 ppm
Bifenazate	149877-41-8	NOT DETECTED	PASS	0.20 ppm	Fenpyroximate	134098-61-6	NOT DETECTED	PASS	0.40 ppm
Bifenthrin	82657-04-3	NOT DETECTED	PASS	0.20 ppm	Flipronil	120068-37-3	NOT DETECTED	PASS	0.40 ppm
Boscalid	188425-85-6	NOT DETECTED	PASS	0.40 ppm	Flonicamid	158062-67-0	NOT DETECTED	PASS	1.00 ppm
Carbaryl	63-25-2	NOT DETECTED	PASS	0.20 ppm	Fludioxonil	131341-86-1	NOT DETECTED	PASS	0.40 ppm
Carbofuran	1563-66-2	NOT DETECTED	PASS	0.20 ppm	Hexythiazox	78587-05-0	NOT DETECTED	PASS	1.00 ppm
Chlorantraniliprole	500008-45-7	NOT DETECTED	PASS	0.20 ppm	Imazalil	35554-44-0	NOT DETECTED	PASS	0.20 ppm
Chloromequat	7003-89-6	NOT DETECTED	PASS	0.10 ppm	Imidacloprid	138261-41-3	NOT DETECTED	PASS	0.40 ppm
Chlorpyrifos	2921-88-2	NOT DETECTED	PASS	0.20 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	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

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### Findings

Analyte Name	CAS #	Amount In Sample	WA State PASS/FAIL	Action Level	Analyte Name	CAS #	Amount In Sample	WA State PASS/FAIL	Action Level
Methomyl	16752-77-5	NOT DETECTED	PASS	0.40 ppm	Thiacloprid	111988-49-9	NOT DETECTED	PASS	0.20 ppm
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
Oxanil	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					

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