



Certificate of Analysis

Sample provided to the laboratory by the client and tested as received.

Powered by Confident Cannabis
1 of 8

Redwood Reserves

Molalla, OR 97038
hello@redwoodreserves.com

Lic. #

Sample: 2112CH0268.1157

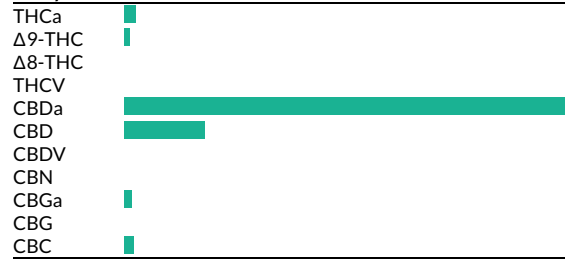
Strain: Blend: Carolina Dream, Wild Bourbon, Golden Redwood
Batch#: Lot243.998; Batch Size: 5g
Sample Received: 12/17/2021; Report Created: 12/29/2021
Harvest/Production Date: 11/11/2021
Sampling: Random; Environment: Room Temp

Redwood Reserves Cigarettes

Plant, Outdoor
Harvest Process Lot: Lot243-1121; METRC Batch: ; METRC Sample:



Analyte



Cannabinoids

1113 HPLC3 20211218-2
12/18/2021 | METRC THC RPD Status: Not Tested ; METRC CBD RPD Status: Not Tested

Pass

0.25%

Total THC* (Calculated
Decarboxylated Potential)

10.39%

Total CBD** (Calculated
Decarboxylated Potential)

12.18%

Total Cannabinoids Analyzed

Moisture Water
Activity

10.3% **NR**

15.0 Limit 0.655 Limit

Microbial Potential

Analyte	LOQ	Mass	Mass
	mg/g	%	mg/g
THCa	0.5	0.09	0.9
Δ9-THC	0.5	0.17	1.7
Δ8-THC	0.5	<LOQ	<LOQ
THCV	0.5	<LOQ	<LOQ
CBDa	0.5	8.61	86.1
CBD	0.5	2.83	28.3
CBDV	0.5	<LOQ	<LOQ
CBN	0.5	0.06	0.6
CBGa	0.5	0.12	1.2
CBG	0.5	0.08	0.8
CBC	0.5	0.23	2.3
Total		12.18	121.8

Method: CH SOP 4400
*Total THC = THCa * 0.877 + d9-THC. **Total CBD = CBDa * 0.877 + CBD. LOQ = Limit of Quantification; NR = Not Reported; ND = Not Detected
>ULOQ = above upper LOQ. ULOQ for pre-harvest hemp = 5% and 4% for CannaZoom Concentrates.



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(503) 305-5252
http://chemhistory.com
Lic# OLCC 010-1002015CA5E ORELAP 4057

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Technical Director

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Pesticides

681LCQQQ4 20211220-4
12/21/2021

Pass

Analyte	LOQ	Limit	Mass	Status	Analyte	LOQ	Limit	Mass	Status
	PPB	PPB	PPB			PPB	PPB	PPB	
Abamectin	400	500	<LOQ	Pass	Imazalil	100	200	<LOQ	Pass
Acephate	100	400	<LOQ	Pass	Imidacloprid	100	400	<LOQ	Pass
Acequinocyl	400	2000	<LOQ	Pass	Kresoxim Methyl	100	400	<LOQ	Pass
Acetamiprid	100	200	<LOQ	Pass	Malathion	100	200	<LOQ	Pass
Aldicarb	200	400	<LOQ	Pass	Metalaxyl	100	200	<LOQ	Pass
Azoxystrobin	100	200	<LOQ	Pass	Methiocarb	100	200	<LOQ	Pass
Bifenazate	100	200	<LOQ	Pass	Methomyl	100	400	<LOQ	Pass
Bifenthrin	100	200	<LOQ	Pass	Methyl Parathion	100	200	<LOQ	Pass
Boscalid	200	400	<LOQ	Pass	MGK-264	100	200	<LOQ	Pass
Carbaryl	100	200	<LOQ	Pass	Myclobutanil	100	200	<LOQ	Pass
Carbofuran	100	200	<LOQ	Pass	Naled	100	500	<LOQ	Pass
Chlorantraniliprole	100	200	<LOQ	Pass	Oxamyl	100	1000	<LOQ	Pass
Chlorfenapyr	400	1000	<LOQ	Pass	Paclobutrazol	100	400	<LOQ	Pass
Chlorpyrifos	100	200	<LOQ	Pass	Permethrins	100	200	<LOQ	Pass
Clofentezine	100	200	<LOQ	Pass	Phosmet	100	200	<LOQ	Pass
Cyfluthrin	400	1000	<LOQ	Pass	Piperonyl Butoxide	100	2000	<LOQ	Pass
Cypermethrin	400	1000	<LOQ	Pass	Prallethrin	100	200	<LOQ	Pass
Daminozide	400	1000	<LOQ	Pass	Propiconazole	200	400	<LOQ	Pass
Diazinon	100	200	<LOQ	Pass	Propoxur	100	200	<LOQ	Pass
Dichlorvos	200	1000	<LOQ	Pass	Pyrethrins	200	1000	<LOQ	Pass
Dimethoate	100	200	<LOQ	Pass	Pyridaben	100	200	<LOQ	Pass
Ethoprophos	100	200	<LOQ	Pass	Spinosad	100	200	<LOQ	Pass
Etofenprox	200	400	<LOQ	Pass	Spiromesifen	100	200	<LOQ	Pass
Etoxazole	100	200	<LOQ	Pass	Spirotetramat	100	200	<LOQ	Pass
Fenoxycarb	100	200	<LOQ	Pass	Spiroxamine	100	400	<LOQ	Pass
Fenpyroximate	200	400	<LOQ	Pass	Tebuconazole	100	400	<LOQ	Pass
Fipronil	100	400	<LOQ	Pass	Thiacloprid	100	200	<LOQ	Pass
Flonicamid	200	1000	<LOQ	Pass	Thiamethoxam	100	200	<LOQ	Pass
Fludioxonil	200	400	<LOQ	Pass	Trifloxystrobin	100	200	<LOQ	Pass
Hexythiazox	200	1000	<LOQ	Pass					

Method: Modified AOAC 2007.01, Triple Quad analysis; LOQ = Limit of Quantification; PPB = Parts Per Billion; ND = Not Detected; NR = Not Reported; ORELAP ID 4057



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Redwood Reserves Cigarettes

Plant, Outdoor
Harvest Process Lot: Lot243-1121; METRC Batch: ; METRC Sample:



Heavy Metals

Pass

12/18/2021 12:00

Analyte	Mass	LOQ	Limit	Status
	PPB	PPB	PPB	
Arsenic	66.74	10.00	200.00	Pass
Cadmium	57.77	10.00	200.00	Pass
Lead	186.77	50.00	500.00	Pass
Mercury	14.44	10.00	100.00	Pass

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Redwood Reserves Cigarettes

Plant, Outdoor
Harvest Process Lot: Lot243-1121; METRC Batch: ; METRC Sample:



Terpenes

1003 GCFID1 20211218-1
12/18/2021

Analyte	Mass %	Mass mg/g	LOQ %	Analyte	Mass %	Mass mg/g	LOQ %
cis-Phytol	<LOQ	<LOQ	0.02	γ-Terpinene	<LOQ	<LOQ	0.02
Valencene	<LOQ	<LOQ	0.02	Anisole	<LOQ	<LOQ	0.02
Sabinene	<LOQ	<LOQ	0.02	Fenchone	<LOQ	<LOQ	0.02
Ocimene 1	<LOQ	<LOQ	0.02	Isoborneol	<LOQ	<LOQ	0.02
Geraniol	<LOQ	<LOQ	0.02	δ-Limonene	<LOQ	<LOQ	0.02
Neral	<LOQ	<LOQ	0.02	Ocimene 2	<LOQ	<LOQ	0.02
α-Humulene	<LOQ	<LOQ	0.02	Camphene	<LOQ	<LOQ	0.02
α-Terpinene	<LOQ	<LOQ	0.02	α-Phellandrene	<LOQ	<LOQ	0.02
trans-Phytol	0.19	1.9	0.02	γ-Terpineol	<LOQ	<LOQ	0.02
Caryophyllene Oxide	<LOQ	<LOQ	0.02	Geranyl Acetate	<LOQ	<LOQ	0.02
(-)-β-Pinene	<LOQ	<LOQ	0.02	β-Caryophyllene	0.15	1.5	0.02
α-Pinene	<LOQ	<LOQ	0.02	Sabinene Hydrate	<LOQ	<LOQ	0.02
Camphor	<LOQ	<LOQ	0.02	Nerol	<LOQ	<LOQ	0.02
(-)-α-Bisabolol	<LOQ	<LOQ	0.02	trans-Nerolidol	<LOQ	<LOQ	0.02
α-Cedrene	<LOQ	<LOQ	0.02	Borneol	<LOQ	<LOQ	0.02
Terpinolene	0.13	1.3	0.02	Hexahydro Thymol	<LOQ	<LOQ	0.02
Endo-Fenchyl Alcohol	<LOQ	<LOQ	0.02	Squalene	<LOQ	<LOQ	0.02
p-Isopropyltoluene	<LOQ	<LOQ	0.02	δ-3-Carene	<LOQ	<LOQ	0.02
Azulene	<LOQ	<LOQ	0.02	Eucalyptol	<LOQ	<LOQ	0.02
α-Terpineol	<LOQ	<LOQ	0.02	Eugenol	<LOQ	<LOQ	0.02
Cedrol	<LOQ	<LOQ	0.02	(-)-Isopulegol	<LOQ	<LOQ	0.02
Citral	<LOQ	<LOQ	0.02	Pulegone	<LOQ	<LOQ	0.02
(-)-Guaiol	<LOQ	<LOQ	0.02	cis-Nerolidol	<LOQ	<LOQ	0.02
Linalool	<LOQ	<LOQ	0.02	β-Farnesene	<LOQ	<LOQ	0.02
Neryl Acetate	<LOQ	<LOQ	0.02	cis-β-Farnesene	0.03	0.3	0.02
β-Myrcene	0.09	0.9	0.02	α-Farnesene	0.14	1.4	0.02

Primary Aromas

0.73% Total Terpenes	 Hops	 Flowers	 Cinnamon	 Basil	 Magnolia
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Method: GC-FID CH SOP 401; based on dry weight; LOQ = Limit of Quantification; NR = Not Reported; ND = Not Detected



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Microbials (3M Petrifilm)

Complete

12/20/2021

Analyte	Units	Status
	CFU/g	
Yeast & Mold	NR	Tested
E. Coli	NR	Tested
Coliforms	NR	Tested
Aerobic Bacteria	NR	Tested
Enterobacteriaceae	NR	Tested

Method: AOAC Method 997.02 & 990.12; Based on wet weight; CFU = Colony Forming Unit; TNC = Too Numerous to Count; NR = Not Reported; ND = Not Detected

Molecular Assays (RT-qPCR)

Complete

12/20/2021

Analyte	Result	Status
Hop-Latent Viroid	NR	NT
Shiga Toxin E. Coli	NR	NT
Aspergillus	NR	NT
Seedling Sex Determination	NR	NT



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