



Certificate of Analysis

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

Powered by Confident Cannabis

1 of 6

Redwood Reserves

hello@redwoodreserves.com

Sample: 2314CH0375.6180

Strain: Blend: Carolina Dream, Wild Bourbon, Golden Redwood

Batch#: RFF1024; Batch Size: 20 g

Sample Received: 10/01/2024; Report Created: 10/14/2024

Harvest/Production Date: 12/01/2023

Sampling: Random; Environment: Room Temp

Redwood Reserves Cigarettes

Plant, Flower - Cured, Outdoor

Harvest Process Lot: ; METRC Batch: ; METRC Sample:



Analyte	Analyte
THCa	CBN
Δ9-THC	CBGa
Δ8-THC	CBG
THCVa	CBCa
THCV	CBC
CBDa	CBLa
CBD	CBT
CBDVa	Δ10-THC
CBDV	Exo-THC

Cannabinoids

1363 HPLC3 20241002-6

10/04/2024 | METRC THC RPD Status: Not Tested ; METRC CBD RPD Status: Not Tested

1 Serving = 1g
servings/container

Pass

0.19%

Total THC* (Calculated
Decarboxylated Potential)

13.77%

Total CBD** (Calculated
Decarboxylated Potential)

15.17%

Total Cannabinoids Analyzed

Analyte	LOQ	Mass	Mass
	mg/g	mg/g	%
THCa	0.5	1.9	0.19
Δ9-THC	0.5	<LOQ	<LOQ
Δ8-THC	0.5	<LOQ	<LOQ
THCVa	0.5	<LOQ	<LOQ
THCV	0.5	<LOQ	<LOQ
CBDa	0.5	135.4	13.54
CBD	0.5	2.3	0.23
CBDVa	0.5	2.4	0.24
CBDV	0.5	<LOQ	<LOQ
CBN	0.5	<LOQ	<LOQ
CBGa	0.5	3.5	0.35
CBG	0.5	<LOQ	<LOQ
CBCa	0.5	6.3	0.63
CBC	0.5	<LOQ	<LOQ
CBLa	0.5	<LOQ	<LOQ
CBT	0.5	<LOQ	<LOQ
Δ10-THC	0.5	<LOQ	<LOQ
Exo-THC	0.5	<LOQ	<LOQ
Total		151.7	15.17

Method: CH SOP 4400

*Total THC = THCa * 0.877 + d9-THC. **Total CBD = CBDa * 0.877 + CBD. LOQ = Limit of Quantitation; 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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Redwood Reserves Cigarettes

Plant, Flower - Cured, Outdoor

Harvest Process Lot: ; METRC Batch: ; METRC Sample:



Pesticides

932 LCQQQ3 20241002-3

10/04/2024

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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Sampling: Random; Environment: Room Temp

Redwood Reserves Cigarettes

Plant, Flower - Cured, Outdoor

Harvest Process Lot: ; METRC Batch: ; METRC Sample:



Heavy Metals

Pass

10/07/2024 12:00

Analyte	Mass	LOQ	Limit	Status
	PPB	PPB	PPB	
Arsenic	<LOQ	10.00	200.00	Pass
Cadmium	<LOQ	10.00	200.00	Pass
Lead	<LOQ	50.00	500.00	Pass
Mercury	<LOQ	10.00	100.00	Pass

ChemHistory estimates its internal laboratory uncertainty acceptance limits to be 14.5% for sample heavy metal results.



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Sampling: Random; Environment: Room Temp

Redwood Reserves Cigarettes

Plant, Flower - Cured, Outdoor

Harvest Process Lot: ; METRC Batch: ; METRC Sample:



Terpenes

932 GCFID3 20241002-1
10/04/2024

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	0.16	1.6	0.02	<div style="width: 100%;"></div>
Neral	<LOQ	<LOQ	0.02		Ocimene 2	<LOQ	<LOQ	0.02	
α-Humulene	0.24	2.4	0.02	<div style="width: 100%;"></div>	Camphene	<LOQ	<LOQ	0.02	
α-Terpinene	<LOQ	<LOQ	0.02		α-Phellandrene	<LOQ	<LOQ	0.02	
trans-Phytol	0.06	0.6	0.02	<div style="width: 100%;"></div>	γ-Terpineol	<LOQ	<LOQ	0.02	
Caryophyllene Oxide	0.11	1.1	0.02	<div style="width: 100%;"></div>	Geranyl Acetate	<LOQ	<LOQ	0.02	
(-)-β-Pinene	<LOQ	<LOQ	0.02		β-Caryophyllene	0.19	1.9	0.02	<div style="width: 100%;"></div>
α-Pinene	0.18	1.8	0.02	<div style="width: 100%;"></div>	Sabinene Hydrate	<LOQ	<LOQ	0.02	
Camphor	<LOQ	<LOQ	0.02		Nerol	<LOQ	<LOQ	0.02	
(-)-α-Bisabolol	0.22	2.2	0.02	<div style="width: 100%;"></div>	trans-Nerolidol	0.18	1.8	0.02	<div style="width: 100%;"></div>
α-Cedrene	<LOQ	<LOQ	0.02		Borneol	<LOQ	<LOQ	0.02	
Terpinolene	<LOQ	<LOQ	0.02		Hexahydro Thymol	<LOQ	<LOQ	0.02	
Endo-Fenchyl Alcohol	<LOQ	<LOQ	0.02		Squalene	0.17	1.7	0.02	<div style="width: 100%;"></div>
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	
(-)-Guaial	0.12	1.2	0.02	<div style="width: 100%;"></div>	cis-Nerolidol	0.06	0.6	0.02	<div style="width: 100%;"></div>
Linalool	<LOQ	<LOQ	0.02		β-Farnesene	<LOQ	<LOQ	0.02	
Neryl Acetate	<LOQ	<LOQ	0.02		cis-β-Farnesene	0.17	1.7	0.02	<div style="width: 100%;"></div>
β-Myrcene	0.19	1.9	0.02	<div style="width: 100%;"></div>	α-Farnesene	0.19	1.9	0.02	<div style="width: 100%;"></div>

Primary Aromas

2.24%

Total Terpenes



Hops



Cinnamon



Chamomile



Lemon



Flowers

Method: GC-FID CH SOP 4401; based on dry weight; LOQ = Limit of Quantification; NR = Not Reported; ND = Not Detected



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Redwood Reserves Cigarettes

Plant, Flower - Cured, Outdoor

Harvest Process Lot: ; METRC Batch: ; METRC Sample:



Water Activity

Pass

10/08/2024

0.4643 aw

0.655 Limit

Water Activity



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Redwood Reserves Cigarettes

Plant, Flower - Cured, Outdoor

Harvest Process Lot: ; METRC Batch: ; METRC Sample:



Microbials (3M Petri Im)

Complete

10/04/2024

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

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

10/04/2024

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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