SC Labs®

Regulatory Compliance Testing
CERTIFICATE OF ANALYSIS

DATE ISSUED 04/18/2024 | OVERALL BATCH RESULT: PASS

SAMPLE NAME: Red Velvet
Flower, Inhalable

CULTIVATOR / MANUFACTURER
Business Name:
License Number:
Address:

DISTRIBUTOR
Business Name:
License Number:
Address:

SAMPLE DETAIL
Batch Number:
Sample ID: 240415Q016
Source Metrc UID:

Date Collected: 04/15/2024
Date Received: 04/16/2024
Batch Size: 22700.0 grams
Sample Size: 80.0 grams
Unit Mass:
Serving Size:

Sampling Method: QSP 1265 - Sampling of Cannabis and Product Batches

CANNABINOID ANALYSIS - SUMMARY
CALCULATED USING DRY-WEIGHT

Sum of Cannabinoids: **28.4378%**

Total Cannabinoids: **27.4345%**

Total THC: **25.4312%**

Total CBD: **0.0849%**

Sum of Cannabinoids = Δ^9-THC + THCa + CBD + CBDa + CBG + CBGa + THCV + THCVa + CBC + CBCa + CBDV + CBDVa + Δ^8-THC + CBL + CBN
Total Cannabinoids = (Δ^9-THC+0.877*THCa+Δ^8-THC) + (CBD+0.877*CBDa) + (CBG+0.877*CBGa) + (THCV+0.877*THCVa) + (CBC+0.877*CBCa) + (CBDV+0.877*CBDVa) + CBL + CBN
Total THC/CBD is calculated using the following formulas to take into account the loss of a carboxyl group during the decarboxylation step:
Total THC = Δ^9-THC + (THCa (0.877)) + Δ^8-THC
Total CBD = CBD + (CBDa (0.877))

Moisture: 13.3%

TERPENOID ANALYSIS - SUMMARY
39 TESTED, TOP 3 HIGHLIGHTED

Total Terpenoids: **2.5735%**

Limonene 7.036 mg/g | β-Caryophyllene 5.510 mg/g | Linalool 2.277 mg/g

SAFETY ANALYSIS - SUMMARY

Pesticides: **PASS**
Mycotoxins: **PASS**
Heavy Metals: **PASS**
Microbiology: **PASS**
Foreign Material: **PASS**
Water Activity: **PASS**

These results relate only to the sample included on this report.
This report shall not be reproduced, except in full, without written approval of the laboratory.

Sample Certification: California Code of Regulations Title 4 Division 19. Department of Cannabis Control Business and Professions Code. Reference: Sections 26100, 26104 and 26110, Business and Professions Code.

Decision Rule: Statements of conformity (e.g. Pass/Fail) to specifications are made in this report without taking measurement uncertainty into account. Where statements of conformity are made in this report, the following decision rules are applied: PASS - Results within limits/specifications, FAIL - Results exceed limits/specifications.

References: limit of detection (LOD), limit of quantification (LOQ), not detected (ND), not tested (NT)

All LQC samples were performed and met the prescribed acceptance criteria in 4 CCR section 15730, as attested by:
Michael Pham
Job Title: Senior Laboratory Analyst
Date: 04/18/2024

Approved by: Josh Wurzer
Job Title: Chief Compliance Officer
Date: 04/18/2024

CANNABINOID TEST RESULTS - 04/18/2024

Tested by high-performance liquid chromatography with diode-array detection (HPLC-DAD). Calculated using Dry-Weight. **Method:** QSP 1157 - Analysis of Cannabinoids by HPLC-DAD

TOTAL CANNABINOIDS: **27.4345%**
Total Cannabinoids (Total THC) + (Total CBD) + (Total CBG) + (Total THCV) + (Total CBC) + (Total CBDV) + CBL + CBN

TOTAL THC: **25.4312%**
Total THC (Δ^9-THC+0.877*THCa+Δ^8-THC)

TOTAL CBD: **0.0849%**
Total CBD (CBD+0.877*CBDa)

TOTAL CBG: 1.2416%
Total CBG (CBG+0.877*CBGa)

TOTAL THCV: 0.1472%
Total THCV (THCV+0.877*THCVa)

TOTAL CBC: 0.5296%
Total CBC (CBC+0.877*CBCa)

TOTAL CBDV: ND
Total CBDV (CBDV+0.877*CBDVa)

COMPOUND	LOD/LOQ (mg/g)	MEASUREMENT UNCERTAINTY (mg/g)	RESULT (mg/g)	RESULT (%)
THCa	*0.062 / 0.250*	*±4.7930*	259.083	25.9083
Δ^9-THC	*0.047 / 0.250*	*±0.5094*	2.7	.27
CBGa	*0.040 / 0.250*	*±0.3600*	12.813	1.2813
CBCa	*0.199 / 0.500*	*±0.2134*	5.375	0.5375
THCVa	*0.040 / 0.250*	*±0.0151*	1.678	0.1678
CBG	*0.037 / 0.250*	*±0.0153*	1.179	0.1179
CBDa	*0.031 / 0.250*	*±0.0176*	0.968	0.0968
CBC	*0.072 / 0.250*	*±0.0154*	0.582	0.0582
THCV	*0.052 / 0.250*	*N/A*	<1	<0.1
CBL	*0.126 / 0.382*	*N/A*	<1	<0.1
Δ^8-THC	*0.075 / 0.250*	*N/A*	ND	ND
CBD	*0.062 / 0.250*	*N/A*	ND	ND
CBDV	*0.044 / 0.250*	*N/A*	ND	ND
CBDVa	*0.017 / 0.250*	*N/A*	ND	ND
CBN	*0.033 / 0.250*	*N/A*	ND	ND
SUM OF CANNABINOIDS			284.378 mg/g	28.4378%

MOISTURE TEST RESULT

13.3%
Tested 04/17/2024
Method: QSP 1224 - Loss on Drying (Moisture)

TERPENOID TEST RESULTS - 04/18/2024

Terpene analysis utilizing gas chromatography-flame ionization detection (GC-FID). **Method:** QSP 1192 - Analysis of Terpenoids by GC-FID

COMPOUND	LOD/LOQ (mg/g)	MEASUREMENT UNCERTAINTY (mg/g)	RESULT (mg/g)	RESULT (%)
Limonene	*0.005 / 0.016*	*±0.2294*	7.036	0.7036
β-Caryophyllene	*0.004 / 0.013*	*±0.2964*	5.510	0.5510
Linalool	*0.009 / 0.030*	*±0.0895*	2.277	0.2277
α-Humulene	*0.009 / 0.031*	*±0.0953*	1.771	0.1771
Myrcene	*0.007 / 0.025*	*±0.0458*	1.293	0.1293
α-Bisabolol	*0.008 / 0.026*	*±0.0548*	1.275	0.1275
trans-β-Farnesene	*0.008 / 0.028*	*±0.0602*	1.057	0.1057

TERPENOID TEST RESULTS - 04/18/2024 *continued*

COMPOUND	LOD/LOQ (mg/g)	MEASUREMENT UNCERTAINTY (mg/g)	RESULT (mg/g)	RESULT (%)
β-Pinene	*0.004 / 0.015*	*±0.0329*	1.018	0.1018
Nerolidol	*0.006 / 0.020*	*±0.0800*	1.012	0.1012
Terpineol	*0.008 / 0.025*	*±0.0488*	0.797	0.0797
α-Pinene	*0.005 / 0.015*	*±0.0278*	0.777	0.0777
Fenchol	*0.009 / 0.029*	*±0.0222*	0.604	0.0604
β-Ocimene	*0.005 / 0.018*	*±0.0175*	0.445	0.0445
Caryophyllene Oxide	*0.011 / 0.038*	*±0.0105*	0.176	0.0176
Camphene	*0.004 / 0.014*	*±0.0053*	0.163	0.0163
Borneol	*0.004 / 0.014*	*±0.0056*	0.120	0.0120
α-Cedrene	*0.005 / 0.017*	*±0.0066*	0.120	0.0120
Fenchone	*0.008 / 0.026*	*±0.0038*	0.102	0.0102
Terpinolene	*0.008 / 0.027*	*±0.0011*	0.070	0.0070
Valencene	*0.010 / 0.033*	*±0.0030*	0.058	0.0058
Sabinene Hydrate	*0.007 / 0.022*	*±0.0009*	0.024	0.0024
Nerol	*0.003 / 0.011*	*±0.0005*	0.015	0.0015
Citronellol	*0.003 / 0.010*	*±0.0004*	0.015	0.0015
Sabinene	*0.004 / 0.014*	*N/A*	ND	ND
α-Phellandrene	*0.006 / 0.019*	*N/A*	ND	ND
Δ^3-Carene	*0.005 / 0.018*	*N/A*	ND	ND
α-Terpinene	*0.006 / 0.019*	*N/A*	ND	ND
p-Cymene	*0.005 / 0.015*	*N/A*	ND	ND
Eucalyptol	*0.005 / 0.018*	*N/A*	ND	ND
γ-Terpinene	*0.005 / 0.018*	*N/A*	ND	ND
Isopulegol	*0.004 / 0.013*	*N/A*	ND	ND
Camphor	*0.005 / 0.015*	*N/A*	ND	ND
Isoborneol	*0.003 / 0.011*	*N/A*	ND	ND
Menthol	*0.008 / 0.025*	*N/A*	ND	ND
Pulegone	*0.003 / 0.010*	*N/A*	ND	ND
Geraniol	*0.002 / 0.007*	*N/A*	ND	ND
Geranyl Acetate	*0.004 / 0.012*	*N/A*	ND	ND
Guaiol	*0.011 / 0.035*	*N/A*	ND	ND
Cedrol	*0.009 / 0.032*	*N/A*	ND	ND
TOTAL TERPENOIDS			25.735 mg/g	2.5735%

CATEGORY 1 PESTICIDE TEST RESULTS - 04/18/2024 PASS

Pesticide and plant growth regulator analysis utilizing high-performance liquid chromatography-mass spectrometry (HPLC-MS) or gas chromatography-mass spectrometry (GC-MS). *GC-MS utilized where indicated. **Method:** QSP 1212 - Analysis of Pesticides and Mycotoxins by LC-MS or QSP 1213 - Analysis of Pesticides by GC-MS

COMPOUND	LOD/LOQ (µg/g)	ACTION LIMIT (µg/g)	MEASUREMENT UNCERTAINTY (µg/g)	RESULT (µg/g)	RESULT
Aldicarb	0.03 / 0.08	≥ LOD	N/A	ND	PASS
Carbofuran	0.02 / 0.05	≥ LOD	N/A	ND	PASS
Chlordane*	0.03 / 0.08	≥ LOD	N/A	ND	PASS
Chlorfenapyr*	0.03 / 0.10	≥ LOD	N/A	ND	PASS
Chlorpyrifos	0.02 / 0.06	≥ LOD	N/A	ND	PASS
Coumaphos	0.02 / 0.07	≥ LOD	N/A	ND	PASS
Daminozide	0.02 / 0.07	≥ LOD	N/A	ND	PASS
Dichlorvos (DDVP)	0.03 / 0.09	≥ LOD	N/A	ND	PASS
Dimethoate	0.03 / 0.08	≥ LOD	N/A	ND	PASS
Ethoprophos	0.03 / 0.10	≥ LOD	N/A	ND	PASS
Etofenprox	0.02 / 0.06	≥ LOD	N/A	ND	PASS
Fenoxycarb	0.03 / 0.08	≥ LOD	N/A	ND	PASS
Fipronil	0.03 / 0.08	≥ LOD	N/A	ND	PASS
Imazalil	0.02 / 0.06	≥ LOD	N/A	ND	PASS
Methiocarb	0.02 / 0.07	≥ LOD	N/A	ND	PASS
Parathion-methyl	0.03 / 0.10	≥ LOD	N/A	ND	PASS
Mevinphos	0.03 / 0.09	≥ LOD	N/A	ND	PASS
Paclobutrazol	0.02 / 0.05	≥ LOD	N/A	ND	PASS
Propoxur	0.03 / 0.09	≥ LOD	N/A	ND	PASS
Spiroxamine	0.03 / 0.08	≥ LOD	N/A	ND	PASS
Thiacloprid	0.03 / 0.10	≥ LOD	N/A	ND	PASS

CATEGORY 2 PESTICIDE TEST RESULTS - 04/18/2024 PASS

COMPOUND	LOD/LOQ (µg/g)	ACTION LIMIT (µg/g)	MEASUREMENT UNCERTAINTY (µg/g)	RESULT (µg/g)	RESULT
Abamectin	0.03 / 0.10	0.1	N/A	ND	PASS
Acephate	0.02 / 0.07	0.1	N/A	ND	PASS
Acequinocyl	0.02 / 0.07	0.1	N/A	ND	PASS
Acetamiprid	0.02 / 0.05	0.1	N/A	ND	PASS
Azoxystrobin	0.02 / 0.07	0.1	N/A	ND	PASS
Bifenazate	0.01 / 0.04	0.1	N/A	ND	PASS
Bifenthrin	0.02 / 0.05	3	N/A	ND	PASS
Boscalid	0.03 / 0.09	0.1	N/A	ND	PASS
Captan	0.19 / 0.57	0.7	N/A	ND	PASS
Carbaryl	0.02 / 0.06	0.5	N/A	ND	PASS
Chlorantranilip-role	0.04 / 0.12	10	N/A	ND	PASS
Clofentezine	0.03 / 0.09	0.1	N/A	ND	PASS

CATEGORY 2 PESTICIDE TEST RESULTS - 04/18/2024 *continued*

COMPOUND	LOD/LOQ (µg/g)	ACTION LIMIT (µg/g)	MEASUREMENT UNCERTAINTY (µg/g)	RESULT (µg/g)	RESULT
Cyfluthrin	0.12 / 0.38	2	N/A	ND	PASS
Cypermethrin	0.11 / 0.32	1	N/A	ND	PASS
Diazinon	0.02 / 0.05	0.1	N/A	ND	PASS
Dimethomorph	0.03 / 0.09	2	N/A	ND	PASS
Etoxazole	0.02 / 0.06	0.1	N/A	ND	PASS
Fenhexamid	0.03 / 0.09	0.1	N/A	ND	PASS
Fenpyroximate	0.02 / 0.06	0.1	N/A	ND	PASS
Flonicamid	0.03 / 0.10	0.1	N/A	ND	PASS
Fludioxonil	0.03 / 0.10	0.1	N/A	ND	PASS
Hexythiazox	0.02 / 0.07	0.1	N/A	ND	PASS
Imidacloprid	0.04 / 0.11	5	N/A	ND	PASS
Kresoxim-methyl	0.02 / 0.07	0.1	N/A	ND	PASS
Malathion	0.03 / 0.09	0.5	N/A	ND	PASS
Metalaxyl	0.02 / 0.07	2	N/A	ND	PASS
Methomyl	0.03 / 0.10	1	N/A	ND	PASS
Myclobutanil	0.03 / 0.09	0.1	N/A	ND	PASS
Naled	0.02 / 0.07	0.1	N/A	ND	PASS
Oxamyl	0.04 / 0.11	0.5	N/A	ND	PASS
Pentachloronitro-benzene*	0.03 / 0.09	0.1	N/A	ND	PASS
Permethrin	0.04 / 0.12	0.5	N/A	ND	PASS
Phosmet	0.03 / 0.10	0.1	N/A	ND	PASS
Piperonyl Butoxide	0.02 / 0.07	3	N/A	ND	PASS
Prallethrin	0.03 / 0.08	0.1	N/A	ND	PASS
Propiconazole	0.02 / 0.07	0.1	N/A	ND	PASS
Pyrethrins	0.04 / 0.12	0.5	N/A	ND	PASS
Pyridaben	0.02 / 0.07	0.1	N/A	ND	PASS
Spinetoram	0.02 / 0.07	0.1	N/A	ND	PASS
Spinosad	0.02 / 0.07	0.1	N/A	ND	PASS
Spiromesifen	0.02 / 0.05	0.1	N/A	ND	PASS
Spirotetramat	0.02 / 0.06	0.1	N/A	ND	PASS
Tebuconazole	0.02 / 0.07	0.1	N/A	ND	PASS
Thiamethoxam	0.03 / 0.10	5	N/A	ND	PASS
Trifloxystrobin	0.03 / 0.08	0.1	N/A	ND	PASS

MYCOTOXIN TEST RESULTS - 04/18/2024 PASS

Mycotoxin analysis utilizing high-performance liquid chromatography-mass spectrometry (HPLC-MS). **Method:** QSP 1212 - Analysis of Pesticides and Mycotoxins by LC-MS

COMPOUND	LOD/LOQ (µg/kg)	ACTION LIMIT (µg/kg)	MEASUREMENT UNCERTAINTY (µg/kg)	RESULT (µg/kg)	RESULT
Aflatoxin B1	*2.0 / 6.0*		*N/A*	ND	
Aflatoxin B2	*1.8 / 5.6*		*N/A*	ND	
Aflatoxin G1	*1.0 / 3.1*		*N/A*	ND	
Aflatoxin G2	*1.2 / 3.5*		*N/A*	ND	
Total Aflatoxin		*20*		ND	PASS
Ochratoxin A	*6.3 / 19.2*	*20*	*N/A*	ND	PASS

HEAVY METALS TEST RESULTS - 04/18/2024 PASS

Heavy metal analysis utilizing inductively coupled plasma-mass spectrometry (ICP-MS). **Method:** QSP 1160 - Analysis of Heavy Metals by ICP-MS

COMPOUND	LOD/LOQ (µg/g)	ACTION LIMIT (µg/g)	MEASUREMENT UNCERTAINTY (µg/g)	RESULT (µg/g)	RESULT
Arsenic	*0.02 / 0.1*	*0.2*	*N/A*	<LOQ	PASS
Cadmium	*0.02 / 0.05*	*0.2*	*±0.005*	0.06	PASS
Lead	*0.04 / 0.1*	*0.5*	*±0.00*	0.1	PASS
Mercury	*0.002 / 0.01*	*0.1*	*N/A*	<LOQ	PASS

MICROBIOLOGY TEST RESULTS - 04/17/2024 PASS

Analysis conducted by polymerase chain reaction (PCR) and fluorescence detection of microbiological contaminants. **Method:** QSP 1221 - Analysis of Microbiological Contaminants

COMPOUND	ACTION LIMIT	RESULT	RESULT
Shiga toxin-producing *Escherichia coli*	*Not Detected in 1g*	ND	PASS
Salmonella spp.	*Not Detected in 1g*	ND	PASS
Aspergillus fumigatus	*Not Detected in 1g*	ND	PASS
Aspergillus flavus	*Not Detected in 1g*	ND	PASS
Aspergillus niger	*Not Detected in 1g*	ND	PASS
Aspergillus terreus	*Not Detected in 1g*	ND	PASS

FOREIGN MATERIAL TEST RESULTS - 04/17/2024 PASS

Visual analysis includes, but is not limited to, sand, soil, cinders, dirt, mold, hair, insect fragments, and mammalian excreta. **Method:** QSP 1226 - Analysis of Foreign Material in Cannabis and Cannabis Products

COMPOUND	ACTION LIMIT	RESULT	RESULT
Total Sample Area Covered by Sand, Soil, Cinders, or Dirt	*>25%*	None	PASS
Total Sample Area Covered by Mold	*>25%*	None	PASS
Total Sample Area Covered by an Imbedded Foreign Material	*>25%*	None	PASS
Insect Fragment Count	*> 1 per 3 grams*	0.0	PASS
Hair Count	*> 1 per 3 grams*	0.0	PASS
Mammalian Excreta Count	*> 1 per 3 grams*	0.0	PASS

WATER ACTIVITY TEST RESULTS - 04/17/2024 PASS

Method: QSP 1227 - Analysis of Water Activity in Cannabis and Cannabis Products

COMPOUND	LOD/LOQ (Aw)	ACTION LIMIT (Aw)	MEASUREMENT UNCERTAINTY (Aw)	RESULT (Aw)	RESULT
Water Activity	*0.030 / 0.15*	*0.65*	*±0.004*	0.54	PASS