Regulatory Compliance Testing

CERTIFICATE OF ANALYSIS

DATE ISSUED 05/16/2024 | OVERALL BATCH RESULT: PASS

SAMPLE NAME: G3 - 14

Flower, Inhalable

CULTIVATOR / MANUFACTURER

Business Name:
License Number:

DISTRIBUTOR

Business Name:
License Number:
Address:

SAMPLE DETAIL

Batch Number:
Sample ID:
240411P016
Source Metrc UID:

Date Collected: 05/11/2024
Date Received: 05/12/2024
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: **38.1916%**

Total Cannabinoids: **35.3124%**

Total THC: **32.3593%**

Total CBD: **0.0956%**

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: 12.9%

TERPENOID ANALYSIS - SUMMARY

39 TESTED, TOP 3 HIGHLIGHTED

Total Terpenoids: **2.2108%**

β-Caryophyllene 8.072 mg/g | Limonene 3.491 mg/g | α-Humulene 3.265 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:
Yasmin Kakkar
Job Title: Senior Laboratory Analyst
Date: 05/16/2024

Approved by: Josh Wurzer
Job Title: Chief Compliance Officer
Date: 05/16/2024

CANNABINOID TEST RESULTS - 05/14/2024

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: **35.3124%**
Total Cannabinoids (Total THC) + (Total CBD) + (Total CBG) + (Total THCV) + (Total CBC) + (Total CBDV) + CBL + CBN

TOTAL THC: **32.3593%**
Total THC (Δ^9-THC+0.877*THCa+Δ^8-THC)

TOTAL CBD: **0.0956%**
Total CBD (CBD+0.877*CBDa)

TOTAL CBG: 1.9834%
Total CBG (CBG+0.877*CBGa)

TOTAL THCV: 0.1768%
Total THCV (THCV+0.877*THCVa)

TOTAL CBC: 0.6973%
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*	*±6.3957*	**345.713**	**34.5713**
CBGa	*0.040 / 0.250*	*±0.5871*	**20.892**	**2.0892**
Δ^9-THC	*0.047 / 0.250*	*±0.3836*	**2.8**	**.28**
CBCa	*0.199 / 0.500*	*±0.2968*	**7.476**	**0.7476**
THCVa	*0.040 / 0.250*	*±0.0181*	**2.016**	**0.2016**
CBG	*0.037 / 0.250*	*±0.0197*	**1.512**	**0.1512**
CBDa	*0.031 / 0.250*	*±0.0198*	**1.090**	**0.1090**
CBC	*0.072 / 0.250*	*±0.0110*	**0.417**	**0.0417**
THCV	*0.052 / 0.250*	*N/A*	**<1**	**<0.1**
CBN	*0.033 / 0.250*	*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**
CBL	*0.126 / 0.382*	*N/A*	**ND**	**ND**
SUM OF CANNABINOIDS			**381.916 mg/g**	**38.1916%**

MOISTURE TEST RESULT

12.9%
Tested 05/14/2024
Method: QSP 1224 - Loss on Drying (Moisture)

TERPENOID TEST RESULTS - 05/15/2024

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 (%)
β-Caryophyllene	*0.004 / 0.013*	*±0.4343*	**8.072**	**0.8072**
Limonene	*0.005 / 0.016*	*±0.1138*	**3.491**	**0.3491**
α-Humulene	*0.009 / 0.031*	*±0.1757*	**3.265**	**0.3265**
α-Bisabolol	*0.008 / 0.026*	*±0.0654*	**1.522**	**0.1522**
Myrcene	*0.007 / 0.025*	*±0.0501*	**1.414**	**0.1414**
Linalool	*0.009 / 0.030*	*±0.0421*	**1.070**	**0.1070**
Nerolidol	*0.006 / 0.020*	*±0.0567*	**0.717**	**0.0717**

TERPENOID TEST RESULTS - 05/15/2024 *continued*

COMPOUND	LOD/LOQ (mg/g)	MEASUREMENT UNCERTAINTY (mg/g)	RESULT (mg/g)	RESULT (%)
β-Pinene	*0.004 / 0.015*	*±0.0160*	**0.496**	**0.0496**
trans-β-Farnesene	*0.008 / 0.028*	*±0.0253*	**0.443**	**0.0443**
Caryophyllene Oxide	*0.011 / 0.038*	*±0.0210*	**0.353**	**0.0353**
α-Pinene	*0.005 / 0.015*	*±0.0115*	**0.320**	**0.0320**
Fenchol	*0.009 / 0.029*	*±0.0112*	**0.305**	**0.0305**
Terpineol	*0.008 / 0.025*	*±0.0187*	**0.305**	**0.0305**
Camphene	*0.004 / 0.014*	*±0.0025*	**0.078**	**0.0078**
Borneol	*0.004 / 0.014*	*±0.0036*	**0.076**	**0.0076**
β-Ocimene	*0.005 / 0.018*	*±0.0020*	**0.052**	**0.0052**
α-Cedrene	*0.005 / 0.017*	*±0.0020*	**0.037**	**0.0037**
Terpinolene	*0.008 / 0.027*	*±0.0005*	**0.032**	**0.0032**
Fenchone	*0.008 / 0.026*	*±0.0010*	**0.028**	**0.0028**
Citronellol	*0.003 / 0.010*	*±0.0005*	**0.019**	**0.0019**
Nerol	*0.003 / 0.011*	*±0.0005*	**0.013**	**0.0013**
Eucalyptol	*0.005 / 0.018*	*N/A*	**<LOQ**	**<LOQ**
Sabinene Hydrate	*0.007 / 0.022*	*N/A*	**<LOQ**	**<LOQ**
Valencene	*0.010 / 0.033*	*N/A*	**<LOQ**	**<LOQ**
Guaiol	*0.011 / 0.035*	*N/A*	**<LOQ**	**<LOQ**
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**
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**
Cedrol	*0.009 / 0.032*	*N/A*	**ND**	**ND**
TOTAL TERPENOIDS			**22.108 mg/g**	**2.2108%**

CATEGORY 1 PESTICIDE TEST RESULTS - 05/16/2024 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 - 05/16/2024 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 - 05/16/2024 *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 - 04/15/2024 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 - 05/14/2024 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*	*N/A*	<LOQ	PASS
Lead	*0.04 / 0.1*	*0.5*	*N/A*	<LOQ	PASS
Mercury	*0.002 / 0.01*	*0.1*	*N/A*	<LOQ	PASS

MICROBIOLOGY TEST RESULTS - 05/14/2024 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 - 04/15/2024 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 - 04/15/2024 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*	0.53	PASS