



Quality Assurance Testing CERTIFICATE OF ANALYSIS

DATE ISSUED 12/28/2023 | OVERALL BATCH RESULT ✓ PASS

SAMPLE NAME:

Concentrate, Product Inhalable

CULTIVATOR / MANUFACTURER

Business Name:

License Number:

Address:

DISTRIBUTOR / TESTED FOR

Business Name:

License Number:

Address:

SAMPLE DETAIL

Batch Number:

Sample ID:

Source Metric UID:

Date Collected: 12/26/2023

Date Received: 12/26/2023

Batch Size:

Sample Size:

Unit Mass:

Serving Size:

CANNABINOID ANALYSIS - SUMMARY

Sum of Cannabinoids: 99.608%

Total Cannabinoids: 87.357%

Total THC: 86.998%

Total CBD: ND

Sum of Cannabinoids = $\Delta^9\text{-THC} + \text{THCa} + \text{CBD} + \text{CBDa} + \text{CBG} + \text{CBGa} + \text{THCV} + \text{THCVa} + \text{CBC} + \text{CBCa} + \text{CBDV} + \text{CBDVa} + \Delta^8\text{-THC} + \text{CBL} + \text{CBN}$
Total Cannabinoids = $(\Delta^9\text{-THC} + 0.877 \times \text{THCa} + \Delta^8\text{-THC}) + (\text{CBD} + 0.877 \times \text{CBDa}) + (\text{CBG} + 0.877 \times \text{CBGa}) + (\text{THCV} + 0.877 \times \text{THCVa}) + (\text{CBC} + 0.877 \times \text{CBCa}) + (\text{CBDV} + 0.877 \times \text{CBDVa}) + \text{CBL} + \text{CBN}$
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 = $\Delta^9\text{-THC} + (\text{THCa} \times 0.877)$ + $\Delta^8\text{-THC}$
Total CBD = $\text{CBD} + (\text{CBDa} \times 0.877)$

SAFETY ANALYSIS - SUMMARY

Pesticides: ✓ PASS

Heavy Metals: ✓ PASS

Mycotoxins: ✓ PASS

Microbiology (PCR): ✓ PASS

Residual Solvents: ✓ PASS

Foreign Material: ✓ PASS

For quality assurance purposes. Not a Regulatory Compliance Testing Certificate. 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:

Business and Professions Code, Reference:

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)

LQC verified by: Quinn Rizal
Job Title: Laboratory Technician II
Date: 12/26/2023

Approved by: Josh Wurzer
Job Title: Chief Compliance Officer
Date: 12/26/2023

CANNABINOID TEST RESULTS - 12/26/2023

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

TOTAL CANNABINOIDS: 87.357%

Total Cannabinoids (Total THC) + (Total CBD) + (Total CBG) + (Total THCV) + (Total CBC) + (Total CBDV) + CBL + CBN

TOTAL THC: 86.998%

Total THC (D⁹-THC + 0.877*THCa + D⁸-THC)

TOTAL CBD: ND

Total CBD (CBD + 0.877*CBDA)

TOTAL CBG: ND

Total CBG (CBG + 0.877*CBGa)

TOTAL THCV: 0.359%

Total THCV (THCV + 0.877*THCVa)

TOTAL CBC: ND

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	0.05 / 0.14	19.840	991.99	99.199
THCVa	0.07 / 0.20	0.152	4.09	0.409
D ⁹ -THC	0.06 / 0.26	N/A	ND	ND
D ⁸ -THC	0.1 / 0.4	N/A	ND	ND
THCV	0.1 / 0.2	N/A	ND	ND
CBD	0.07 / 0.29	N/A	ND	ND
CBDA	0.02 / 0.19	N/A	ND	ND
CBDV	0.04 / 0.15	N/A	ND	ND
CBDVa	0.03 / 0.53	N/A	ND	ND
CBG	0.06 / 0.19	N/A	ND	ND
CBGa	0.1 / 0.2	N/A	ND	ND
CBL	0.06 / 0.24	N/A	ND	ND
CBN	0.1 / 0.3	N/A	ND	ND
CBC	0.2 / 0.5	N/A	ND	ND
CBCa	0.07 / 0.28	N/A	ND	ND
SUM OF CANNABINOIDS			996.08 mg/g	99.608%

CATEGORY 1 PESTICIDE TEST RESULTS - 12/26/2023 ✔ 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 (g/g)	ACTION LIMIT (g/g)	MEASUREMENT UNCERTAINTY (g/g)	RESULT (g/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

CATEGORY 1 PESTICIDE TEST RESULTS - 12/26/2023 ✔ PASS

COMPOUND	LOD/LOQ (g/g)	ACTION LIMIT (g/g)	MEASUREMENT UNCERTAINTY (g/g)	RESULT (g/g)	RESULT
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 - 12/26/2023 ✔ PASS

COMPOUND	LOD/LOQ (g/g)	ACTION LIMIT (g/g)	MEASUREMENT UNCERTAINTY (g/g)	RESULT (g/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
Chlorantraniliprole	0.04 / 0.12	10	N/A	ND	PASS
Clofentezine	0.03 / 0.09	0.1	N/A	ND	PASS
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
Etiozazole	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

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CATEGORY 2 PESTICIDE TEST RESULTS -12/26/2023 continued

COMPOUND	LOD/LOQ (g/g)	ACTION LIMIT (g/g)	MEASUREMENT UNCERTAINTY (g/g)	RESULT (g/g)	RESULT
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
Pentachloronitrobenzene*	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 -12/26/2023 ✔ 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 (g/kg)	ACTION LIMIT (g/kg)	MEASUREMENT UNCERTAINTY (g/kg)	RESULT (g/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

CATEGORY 1 RESIDUAL SOLVENTS TEST RESULTS -12/26/2023 ✔ PASS

Residual Solvent analysis utilizing gas chromatography-mass spectrometry (GC-MS). **Method:** QSP 1204 - Analysis of Residual Solvents by GC-MS

COMPOUND	LOD/LOQ (g/g)	ACTION LIMIT (g/g)	MEASUREMENT UNCERTAINTY (g/g)	RESULT (g/g)	RESULT
1,2-Dichloroethane	0.05 / 0.1	1	N/A	ND	PASS
Benzene	0.03 / 0.09	1	N/A	ND	PASS
Chloroform	0.1 / 0.2	1	N/A	ND	PASS
Ethylene Oxide	0.3 / 0.8	1	N/A	ND	PASS
Dichloromethane (Methylene Chloride)	0.3 / 0.9	1	N/A	ND	PASS
Trichloroethylene	0.1 / 0.3	1	N/A	ND	PASS

CATEGORY 2 RESIDUAL SOLVENTS TEST RESULTS ✔ PASS

COMPOUND	LOD/LOQ (g/g)	ACTION LIMIT (g/g)	MEASUREMENT UNCERTAINTY (g/g)	RESULT (g/g)	RESULT
Acetone	20 / 50	5000	N/A	ND	PASS
Acetonitrile	2 / 7	410	N/A	ND	PASS
n-Butane	10 / 50	5000	N/A	ND	PASS
Ethanol	20 / 50	5000	N/A	ND	PASS
Ethyl Acetate	20 / 60	5000	N/A	ND	PASS
Ethyl Ether	20 / 50	5000	N/A	ND	PASS
n-Heptane	20 / 60	5000	N/A	ND	PASS
n-Hexane	2 / 5	290	N/A	ND	PASS
2-Propanol (Isopropyl Alcohol)	10 / 40	5000	N/A	ND	PASS
Methanol	50 / 200	3000	N/A	ND	PASS
n-Pentane	20 / 50	5000	N/A	ND	PASS
Propane	10 / 20	5000	N/A	ND	PASS
Toluene	7 / 21	890	N/A	ND	PASS
Total Xylenes	50 / 160	2170	N/A	ND	PASS

HEAVY METALS TEST RESULTS -12/26/2023 ✔ 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 (g/g)	ACTION LIMIT (g/g)	MEASUREMENT UNCERTAINTY (g/g)	RESULT (g/g)	RESULT
Arsenic	0.02 / 0.1	0.2	N/A	ND	PASS
Cadmium	0.02 / 0.05	0.2	N/A	ND	PASS
Lead	0.04 / 0.1	0.5	N/A	ND	PASS
Mercury	0.002 / 0.01	0.1	N/A	ND	PASS

MICROBIOLOGY TEST RESULTS (PCR) - 12/26/2023 ✔ 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	ND	PASS
Salmonella spp.	Not Detected in	ND	PASS
Aspergillus fumigatus	Not Detected in	ND	PASS
Aspergillus flavus	Not Detected in	ND	PASS
Aspergillus niger	Not Detected in	ND	PASS
Aspergillus terreus	Not Detected in	ND	PASS

FOREIGN MATERIAL TEST RESULTS - 12/26/2023 ✔ 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
Total Sample Area Covered by Sand, Soil, Cinders, or Dirt	>25%	PASS
Total Sample Area Covered by Mold	>25%	PASS
Total Sample Area Covered by an Imbedded Foreign Material	>25%	PASS
Insect Fragment Count	> 1 per 3 grs	PASS
Hair Count	> 1 per 3 grs	PASS
Mammalian Excreta Count	> 1 per 3 grs	PASS