SC Labs®

Hemp Quality Assurance Testing
CERTIFICATE OF ANALYSIS

DATE ISSUED 02/05/2024

SAMPLE NAME: Martha Stewart - Black Raspberry, Berry Medley Gummy - 10mg CBD - 4g - MS1334BR4017

Infused, Hemp Infused

CULTIVATOR / MANUFACTURER

Business Name:
License Number:
Address:

DISTRIBUTOR / TESTED FOR

Business Name: Open Book Extracts
License Number:
Address: 317 Lucy Garrett Road
Roxboro NC 27574

SAMPLE DETAIL

Batch Number:
Sample ID: 240119L050

Date Collected: 01/19/2024
Date Received: 01/19/2024
Batch Size:
Sample Size: 1.0 units
Unit Mass:
Serving Size: 4 grams per Serving

Scan QR code to verify authenticity of results.

CANNABINOID ANALYSIS - SUMMARY

Total THC: Not Detected

Total CBD: 3.271 mg/g

Sum of Cannabinoids: 3.284 mg/g

Total Cannabinoids: 3.284 mg/g

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))
Total CBD = CBD + (CBDa (0.877))
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) + (CBD+0.877*CBDa) + (CBG+0.877*CBGa) + (THCV+0.877*THCVa) + (CBC+0.877*CBCa) + (CBDV+0.877*CBDVa) + Δ^8-THC + CBL + CBN

SAFETY ANALYSIS - SUMMARY

Pesticides: PASS
Mycotoxins: PASS
Residual Solvents: PASS
Heavy Metals: PASS
Microbiology (PCR): PASS
Microbiology (Plating): PASS
Foreign Material: PASS

For quality assurance purposes. Not a Regulatory Hemp Lab Test Report. 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: Action Limits used in this report are a compilation of guidance from state regulatory agencies in all states except Alaska. Action limits for required tests are the lower of any conflicting state regulations.

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), too numerous to count >250 cfu/plate (TNTC), colony-forming unit (cfu)

Approved by: Josh Wurzer
Job Title: Chief Compliance Officer
Date: 02/05/2024

Amendment to Certificate of Analysis 240119L050-001

Cannabinoid Analysis

Tested by high-performance liquid chromatography with diode-array detection (HPLC-DAD).

Method: QSP 1157 - Analysis of Cannabinoids by HPLC-DAD

TOTAL THC: Not Detected
Total THC (Δ^9-THC+0.877*THCa)

TOTAL CBD: 3.271 mg/g
Total CBD (CBD+0.877*CBDa)

TOTAL CANNABINOIDS: 3.284 mg/g
Total Cannabinoids (Total THC) + (Total CBD) + (Total CBG) + (Total THCV) + (Total CBC) + (Total CBDV) + Δ^8-THC + CBL + CBN

TOTAL CBG: ND
Total CBG (CBG+0.877*CBGa)

TOTAL THCV: ND
Total THCV (THCV+0.877*THCVa)

TOTAL CBC: ND
Total CBC (CBC+0.877*CBCa)

TOTAL CBDV: 0.013 mg/g
Total CBDV (CBDV+0.877*CBDVa)

CANNABINOID TEST RESULTS - 01/24/2024

COMPOUND	LOD/LOQ (mg/g)	MEASUREMENT UNCERTAINTY (mg/g)	RESULT (mg/g)	RESULT (%)
CBD	*0.004 / 0.011*	*±0.1220*	3.271	0.3271
CBDV	*0.002 / 0.012*	*±0.0005*	0.013	0.0013
Δ^9-THC	*0.002 / 0.014*	*N/A*	ND	ND
Δ^8-THC	*0.01 / 0.02*	*N/A*	ND	ND
THCa	*0.001 / 0.005*	*N/A*	ND	ND
THCV	*0.002 / 0.012*	*N/A*	ND	ND
THCVa	*0.002 / 0.019*	*N/A*	ND	ND
CBDa	*0.001 / 0.026*	*N/A*	ND	ND
CBDVa	*0.001 / 0.018*	*N/A*	ND	ND
CBG	*0.002 / 0.006*	*N/A*	ND	ND
CBGa	*0.002 / 0.007*	*N/A*	ND	ND
CBL	*0.003 / 0.010*	*N/A*	ND	ND
CBN	*0.001 / 0.007*	*N/A*	ND	ND
CBC	*0.003 / 0.010*	*N/A*	ND	ND
CBCa	*0.001 / 0.015*	*N/A*	ND	ND
SUM OF CANNABINOIDS			3.284 mg/g	0.3284%

Serving Size: 4 grams per Serving

Δ^9-THC per Serving	ND
Total THC per Serving	ND
CBD per Serving	13.084 mg/serving
Total CBD per Serving	13.084 mg/serving
Sum of Cannabinoids per Serving	13.136 mg/serving
Total Cannabinoids per Serving	13.136 mg/serving

Pesticide Analysis

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

PESTICIDE TEST RESULTS - 01/24/2024 PASS

COMPOUND	LOD/LOQ (µg/g)	ACTION LIMIT (µg/g)	MEASUREMENT UNCERTAINTY (µg/g)	RESULT (µg/g)	RESULT
Abamectin	*0.032 / 0.097*	*0.07*	*N/A*	ND	PASS
Acephate	*0.006 / 0.018*	*0.05*	*N/A*	ND	PASS
Acequinocyl	*0.009 / 0.027*	*0.03*	*N/A*	ND	PASS
Acetamiprid	*0.016 / 0.049*	*0.05*	*N/A*	ND	PASS
Aldicarb	*0.030 / 0.090*	*0.1*	*N/A*	ND	PASS
Allethrin	*0.030 / 0.092*	*0.1*	*N/A*	ND	PASS
Atrazine	*0.006 / 0.019*	*0.025*	*N/A*	ND	PASS
Azadirachtin	*0.082 / 0.248*	*0.5*	*N/A*	ND	PASS
Azoxystrobin	*0.003 / 0.009*	*0.01*	*N/A*	ND	PASS
Benzovindiflupyr	*0.003 / 0.009*	*0.01*	*N/A*	ND	PASS
Bifenazate	*0.003 / 0.009*	*0.01*	*N/A*	ND	PASS

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Pesticide Analysis *Continued*

PESTICIDE TEST RESULTS - 01/24/2024 *continued* PASS

COMPOUND	LOD/LOQ (µg/g)	ACTION LIMIT (µg/g)	MEASUREMENT UNCERTAINTY (µg/g)	RESULT (µg/g)	RESULT
Bifenthrin	0.021 / 0.064	0.2	N/A	ND	PASS
Boscalid	0.003 / 0.009	0.01	N/A	ND	PASS
Buprofezin	0.006 / 0.019	0.02	N/A	ND	PASS
Captan	0.045 / 0.135	3	N/A	ND	PASS
Carbaryl	0.007 / 0.020	0.025	N/A	ND	PASS
Carbofuran	0.003 / 0.008	0.01	N/A	ND	PASS
Chlorantraniliprole	0.006 / 0.018	0.02	N/A	ND	PASS
Chlordane*	0.010 / 0.032	0.1	N/A	ND	PASS
Chlorfenapyr*	0.005 / 0.015	0.1	N/A	ND	PASS
Chlormequat chloride	0.022 / 0.066	3	N/A	ND	PASS
Chlorpyrifos	0.013 / 0.039	0.04	N/A	ND	PASS
Clofentezine	0.003 / 0.009	0.01	N/A	ND	PASS
Clothianidin	0.008 / 0.025	0.025	N/A	ND	PASS
Coumaphos	0.003 / 0.010	0.01	N/A	ND	PASS
Cyantraniliprole	0.003 / 0.010	0.01	N/A	ND	PASS
Cyfluthrin	0.052 / 0.159	0.1	N/A	ND	PASS
Cypermethrin	0.051 / 0.153	0.3	N/A	ND	PASS
Cyprodinil	0.003 / 0.008	0.01	N/A	ND	PASS
Daminozide	0.026 / 0.077	0.1	N/A	ND	PASS
Deltamethrin	0.059 / 0.180	0.5	N/A	ND	PASS
Diazinon	0.006 / 0.017	0.02	N/A	ND	PASS
Dichlorvos (DDVP)	0.012 / 0.038	0.1	N/A	ND	PASS
Dimethoate	0.003 / 0.009	0.1	N/A	ND	PASS
Dimethomorph	0.016 / 0.050	0.05	N/A	ND	PASS
Dinotefuran	0.010 / 0.030	0.05	N/A	ND	PASS
Diuron	0.013 / 0.040	0.125	N/A	ND	PASS
Dodemorph	0.012 / 0.035	0.05	N/A	ND	PASS
Endosulfan sulfate	0.016 / 0.048	0.05	N/A	ND	PASS
Endosulfan-α*	0.004 / 0.014	0.2	N/A	ND	PASS
Endosulfan-β*	0.006 / 0.019	0.05	N/A	ND	PASS
Ethoprophos	0.003 / 0.009	0.01	N/A	ND	PASS
Etofenprox	0.014 / 0.042	0.05	N/A	ND	PASS
Etoxazole	0.007 / 0.020	0.01	N/A	ND	PASS
Etridiazole*	0.002 / 0.005	0.03	N/A	ND	PASS
Fenhexamid	0.003 / 0.008	0.125	N/A	ND	PASS
Fenoxycarb	0.003 / 0.010	0.01	N/A	ND	PASS
Fenpyroximate	0.007 / 0.020	0.2	N/A	ND	PASS
Fensulfothion	0.003 / 0.010	0.01	N/A	ND	PASS
Fenthion	0.003 / 0.010	0.01	N/A	ND	PASS
Fenvalerate	0.033 / 0.099	0.1	N/A	ND	PASS
Fipronil	0.003 / 0.010	0.01	N/A	ND	PASS

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Pesticide Analysis *Continued*

PESTICIDE TEST RESULTS - 01/24/2024 *continued* PASS

COMPOUND	LOD/LOQ (µg/g)	ACTION LIMIT (µg/g)	MEASUREMENT UNCERTAINTY (µg/g)	RESULT (µg/g)	RESULT
Flonicamid	0.007 / 0.022	0.025	N/A	ND	PASS
Fludioxonil	0.003 / 0.010	0.01	N/A	ND	PASS
Fluopyram	0.003 / 0.009	0.01	N/A	ND	PASS
Hexythiazox	0.003 / 0.010	0.01	N/A	ND	PASS
Imazalil	0.003 / 0.009	0.01	N/A	ND	PASS
Imidacloprid	0.003 / 0.010	0.01	N/A	ND	PASS
Iprodione	0.077 / 0.233	0.5	N/A	ND	PASS
Kinoprene	0.077 / 0.233	0.5	N/A	ND	PASS
Kresoxim-methyl	0.006 / 0.019	0.02	N/A	ND	PASS
λ-Cyhalothrin	0.068 / 0.206	0.25	N/A	ND	PASS
Malathion	0.003 / 0.009	0.02	N/A	ND	PASS
Metalaxyl	0.003 / 0.010	0.02	N/A	ND	PASS
Methiocarb	0.003 / 0.008	0.02	N/A	ND	PASS
Methomyl	0.008 / 0.025	0.05	N/A	ND	PASS
Methoprene	0.172 / 0.521	2	N/A	ND	PASS
Mevinphos	0.008 / 0.024	0.025	N/A	ND	PASS
MGK-264	0.015 / 0.047	0.05	N/A	ND	PASS
Myclobutanil	0.003 / 0.009	0.01	N/A	ND	PASS
Naled	0.021 / 0.064	0.1	N/A	ND	PASS
Novaluron	0.002 / 0.005	0.025	N/A	ND	PASS
Oxamyl	0.017 / 0.051	0.5	N/A	ND	PASS
Paclobutrazol	0.003 / 0.010	0.01	N/A	ND	PASS
Parathion-methyl	0.016 / 0.050	0.05	N/A	ND	PASS
Pentachloronitrobenzene*	0.004 / 0.012	0.02	N/A	ND	PASS
Permethrin	0.056 / 0.168	0.04	N/A	ND	PASS
Phenothrin	0.016 / 0.047	0.05	N/A	ND	PASS
Phosmet	0.007 / 0.020	0.02	N/A	ND	PASS
Piperonyl Butoxide	0.010 / 0.029	0.2	N/A	ND	PASS
Pirimicarb	0.003 / 0.009	0.01	N/A	ND	PASS
Prallethrin	0.015 / 0.046	0.05	N/A	ND	PASS
Propiconazole	0.027 / 0.080	0.1	N/A	ND	PASS
Propoxur	0.003 / 0.008	0.01	N/A	ND	PASS
Pyraclostrobin	0.003 / 0.010	0.01	N/A	ND	PASS
Pyrethrins	0.016 / 0.049	0.05	N/A	ND	PASS
Pyridaben	0.005 / 0.017	0.02	N/A	ND	PASS
Pyriproxyfen	0.003 / 0.009	0.01	N/A	ND	PASS
Resmethrin	0.013 / 0.039	0.05	N/A	ND	PASS
Spinetoram	0.003 / 0.010	0.01	N/A	ND	PASS
Spinosad	0.003 / 0.010	0.01	N/A	ND	PASS
Spirodiclofen	0.031 / 0.093	0.25	N/A	ND	PASS
Spiromesifen	0.016 / 0.050	0.03	N/A	ND	PASS

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Pesticide Analysis *Continued*

PESTICIDE TEST RESULTS - 01/24/2024 *continued* PASS

COMPOUND	LOD/LOQ (µg/g)	ACTION LIMIT (µg/g)	MEASUREMENT UNCERTAINTY (µg/g)	RESULT (µg/g)	RESULT
Spirotetramat	0.003 / 0.010	0.01	N/A	ND	PASS
Spiroxamine	0.020 / 0.062	0.1	N/A	ND	PASS
Tebuconazole	0.003 / 0.010	0.01	N/A	ND	PASS
Tebufenozide	0.003 / 0.008	0.01	N/A	ND	PASS
Teflubenzuron	0.007 / 0.022	0.025	N/A	ND	PASS
Tetrachlorvinphos	0.003 / 0.008	0.01	N/A	ND	PASS
Tetramethrin	0.021 / 0.063	0.1	N/A	ND	PASS
Thiabendazole	0.006 / 0.020	0.02	N/A	ND	PASS
Thiacloprid	0.003 / 0.009	0.01	N/A	ND	PASS
Thiamethoxam	0.003 / 0.010	0.01	N/A	ND	PASS
Thiophanate-methyl	0.013 / 0.040	0.05	N/A	ND	PASS
Trifloxystrobin	0.003 / 0.009	0.02	N/A	ND	PASS

Mycotoxin Analysis

Mycotoxin analysis utilizing high-performance liquid chromatography-mass spectrometry (HPLC-MS).

Method: QSP 1212 - Analysis of Pesticides and Mycotoxins by LC-MS

MYCOTOXIN TEST RESULTS - 01/22/2024 PASS

COMPOUND	LOD/LOQ (µg/kg)	ACTION LIMIT (µg/kg)	MEASUREMENT UNCERTAINTY (µg/kg)	RESULT (µg/kg)	RESULT
Aflatoxin B1	1.6 / 5.0	5	N/A	ND	PASS
Aflatoxin B2	1.4 / 4.1	20	N/A	ND	PASS
Aflatoxin G1	1.6 / 4.9	20	N/A	ND	PASS
Aflatoxin G2	1.6 / 5.0	20	N/A	ND	PASS
Total Aflatoxin		20		ND	PASS
Ochratoxin A	1.6 / 5.0	5	N/A	ND	PASS

Residual Solvents Analysis

Residual Solvent analysis utilizing gas chromatography-mass spectrometry (GC-MS).

Method: QSP 1204 - Analysis of Residual Solvents by GC-MS

Total Butanes = n-Butane + 2-Methylpropane (Isobutane)
Total Pentanes = n-Pentane + 2-Methylbutane (Isopentane)
Total Hexanes = n-Hexane + 2,2-Dimethylbutane (Neohexane) + 2,3-Dimethylbutane / 2-Methylpentane (Isohexane) + 3-Methylpentane
Total Heptanes = 2,2-Dimethylpentane (Neoheptane) + 2,3-Dimethylpentane + 2,4-Dimethylpentane + 3,3-Dimethylpentane + 2,2,3-Trimethylbutane (Triptane) + 2-Methylhexane (Isoheptane) + 3-Methylhexane + 3-Ethylpentane + n-Heptane
Total Xylenes = 1,2-Dimethylbenzene (o-Xylene) + 1,3-Dimethylbenzene (m-Xylene) / 1,4-Dimethylbenzene (p-Xylene) + Ethylbenzene

RESIDUAL SOLVENTS TEST RESULTS - 01/24/2024 PASS

COMPOUND	LOD/LOQ (µg/g)	ACTION LIMIT (µg/g)	MEASUREMENT UNCERTAINTY (µg/g)	RESULT (µg/g)	RESULT
Propane	0.234 / 0.781	500	N/A	ND	PASS
2-Methylpropane (Isobutane)	0.052 / 0.173	5000	N/A	ND	PASS
n-Butane	0.019 / 0.063	2000	N/A	ND	PASS
Total Butanes		500		ND	PASS
2-Methylbutane (Isopentane)	0.310 / 1.035	5000	N/A	ND	PASS
2,2-Dimethylpropane (Neopentane)	0.035 / 0.117		N/A	ND	
n-Pentane	0.310 / 1.033	1000	N/A	ND	PASS
Total Pentanes		500		ND	PASS
2,2-Dimethylbutane (Neohexane)	9.831 / 32.77	290	N/A	ND	PASS
2,3-Dimethylbutane / 2-Methylpentane	0.381 / 1.271	290	N/A	ND	PASS
3-Methylpentane	0.109 / 0.365	290	N/A	ND	PASS

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Residual Solvents Analysis
Continued

RESIDUAL SOLVENTS TEST RESULTS - 01/24/2024 *continued* PASS

COMPOUND	LOD/LOQ (µg/g)	ACTION LIMIT (µg/g)	MEASUREMENT UNCERTAINTY (µg/g)	RESULT (µg/g)	RESULT
n-Hexane	0.110 / 0.366	0	N/A	ND	PASS
Total Hexanes		290		ND	PASS
Cyclohexane	0.357 / 1.190	500	N/A	ND	PASS
2,2-Dimethylpentane (Neoheptane)	0.493 / 1.642		N/A	ND	
2,3-Dimethylpentane	1.009 / 3.365		N/A	ND	
2,4-Dimethylpentane	0.737 / 2.458		N/A	ND	
3,3-Dimethylpentane	0.198 / 0.660		N/A	ND	
2,2,3-Trimethylbutane (Triptane)	0.521 / 1.738		N/A	ND	
2-Methylhexane (Isoheptane)	0.610 / 2.034		N/A	ND	
3-Methylhexane	0.235 / 0.785		N/A	ND	
3-Ethylpentane	0.304 / 1.012		N/A	ND	
n-Heptane	13.12 / 43.72	500	N/A	ND	PASS
Total Heptanes		1000		ND	PASS
Cycloheptane	0.597 / 1.989		N/A	ND	
Benzene	0.089 / 0.295	0	N/A	ND	PASS
Toluene	0.115 / 0.382	0	N/A	ND	PASS
Cumene	0.180 / 0.600	70	N/A	ND	PASS
1,3-Dimethylbenzene / 1,4-Dimethylbenzene	0.451 / 1.502	2170	N/A	ND	PASS
1,2-Dimethylbenzene (o-Xylene)	0.387 / 1.289	2170	N/A	ND	PASS
Ethylbenzene	0.370 / 1.233	2170	N/A	ND	PASS
Total Xylenes		217		ND	PASS
Methanol	53.92 / 163.4	500	N/A	ND	PASS
Ethanol	8.984 / 27.23	1000	±1.442	92.42	PASS
1-Propanol	1.540 / 5.133	5000	N/A	ND	PASS
2-Propanol (Isopropyl Alcohol)	8.421 / 25.52	500	N/A	ND	PASS
1-Butanol	0.475 / 1.582	5000	N/A	ND	PASS
2-Butanol	7.248 / 24.16	5000	N/A	ND	PASS
1-Pentanol	1.461 / 4.869	5000	N/A	ND	PASS
Acetone	10.59 / 32.08	5000	N/A	ND	PASS
2-Butanone	0.169 / 0.564	5000	N/A	ND	PASS
Tetrahydrofuran	0.622 / 2.075	720	N/A	ND	PASS
Ethyl Ether	0.197 / 0.658	5000	N/A	ND	PASS
Ethylene Glycol	3.803 / 12.68	620	N/A	ND	PASS
2-Ethoxyethanol	1.235 / 4.118	160	N/A	ND	PASS
1,2-Dimethoxyethane	2.116 / 7.052	100	N/A	ND	PASS
1,4-Dioxane	0.468 / 1.558	380	N/A	ND	PASS
Ethylene Oxide	0.253 / 0.844	5	N/A	ND	PASS
Ethyl Acetate	1.123 / 3.745	1000	±0.2673	17.937	PASS
Isopropyl Acetate	0.347 / 1.158	5000	N/A	ND	PASS

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Residual Solvents Analysis
Continued

RESIDUAL SOLVENTS TEST RESULTS - 01/24/2024 *continued* PASS

COMPOUND	LOD/LOQ (µg/g)	ACTION LIMIT (µg/g)	MEASUREMENT UNCERTAINTY (µg/g)	RESULT (µg/g)	RESULT
Chloroform	*0.251 / 0.838*	*1*	*N/A*	ND	PASS
Dichloromethane (Methylene Chloride)	*2.651 / 8.838*	*600*	*N/A*	ND	PASS
Trichloroethylene	*0.299 / 0.996*	*80*	*N/A*	ND	PASS
1,2-Dichloroethane	*0.162 / 0.541*	*5*	*N/A*	ND	PASS
1,1-Dichloroethene	*0.185 / 0.616*	*8*	*N/A*	ND	PASS
1,2-Dichloroethene	*0.428 / 1.427*	*5*	*N/A*	ND	PASS
Sulfolane	*47.66 / 158.9*	*160*	*N/A*	ND	PASS
Dimethyl Sulfoxide	*6.168 / 20.56*	*5000*	*N/A*	ND	PASS
Acetonitrile	*1.595 / 4.833*	*410*	*N/A*	ND	PASS
Pyridine	*0.407 / 1.355*	*100*	*N/A*	ND	PASS
N,N-Dimethylacetamide	*0.127 / 0.422*	*1090*	*N/A*	ND	PASS
N,N-Dimethylformamide	*0.946 / 3.153*	*880*	*N/A*	ND	PASS

Heavy Metals Analysis

Heavy metal analysis utilizing inductively coupled plasma-mass spectrometry (ICP-MS).

Method: QSP 1160 - Analysis of Heavy Metals by ICP-MS

HEAVY METALS TEST RESULTS - 01/21/2024 PASS

COMPOUND	LOD/LOQ (µg/g)	ACTION LIMIT (µg/g)	MEASUREMENT UNCERTAINTY (µg/g)	RESULT (µg/g)	RESULT
Arsenic	*0.02 / 0.1*	*0.42*	*N/A*	ND	PASS
Cadmium	*0.02 / 0.05*	*0.27*	*N/A*	ND	PASS
Lead	*0.04 / 0.1*	*0.5*	*N/A*	ND	PASS
Mercury	*0.002 / 0.01*	*0.4*	*N/A*	ND	PASS

Microbiology Analysis

PCR AND PLATING

Analysis conducted by polymerase chain reaction (PCR) and fluorescence detection of microbiological contaminants.

Method: QSP 1221 - Analysis of Microbiological Contaminants

Exclusions[1] see last page

MICROBIOLOGY TEST RESULTS (PCR) - 01/23/2024 PASS

COMPOUND	ACTION LIMIT (cfu/g)	RESULT (cfu/g)	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
Candida albicans	*Not Detected in 1g*	ND	PASS
Campylobacter spp.	*Not Detected in 1g*	ND	PASS
Yersinia spp.	*Not Detected in 1g*	ND	PASS
Listeria monocytogenes	*Not Detected in 1g*	ND	PASS
Pseudomonas aeruginosa	*Not Detected in 1g*	ND	PASS
Bile-Tolerant Gram-Negative Bacteria	*100*	ND	PASS
Staphylococcus aureus	*Not Detected in 1g*	ND	PASS

Microbiology Analysis *Continued*

Analysis conducted by 3M™ Petrifilm™ and plate counts of microbiological contaminants.

Method: QSP 6794 - Plating with 3M™ Petrifilm™

MICROBIOLOGY TEST RESULTS (PLATING) - 01/23/2024 PASS

COMPOUND	ACTION LIMIT (cfu/g)	RESULT (cfu/g)	RESULT
Total Aerobic Bacteria	*100*	100.0	
Total Yeast and Mold	*10*	ND	PASS
Total Enterobacteriaceae	*1000*	ND	PASS
Escherichia coli	*Not Detected in 1g*	ND	PASS
Coliforms	*100*	ND	PASS

Foreign Material Analysis

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

FOREIGN MATERIAL TEST RESULTS - 01/20/2024 PASS

COMPOUND	ACTION LIMIT	RESULT (per 3 Grams)	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

NOTES

Reason for Amendment: Order Detail Information Change

1. Exclusions: Sample Certification not applied

SC Labs®

Hemp Quality Assurance Testing
CERTIFICATE OF ANALYSIS

DATE ISSUED 02/05/2024

SAMPLE NAME: Martha Stewart- Huckleberry, Berry Medley Gummy-10mg CBD, 4g - MS1334H4018

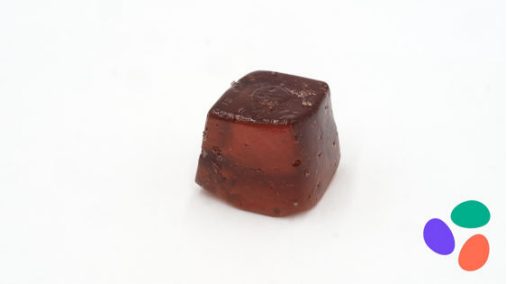
Infused, Hemp Infused

CULTIVATOR / MANUFACTURER

Business Name:
License Number:
Address:

DISTRIBUTOR / TESTED FOR

Business Name: Open Book Extracts
License Number:
Address: 317 Lucy Garrett Road
Roxboro NC 27574



SAMPLE DETAIL

Batch Number: 0000002640
Sample ID: 240123L015

Date Collected: 01/23/2024
Date Received: 01/23/2024
Batch Size:
Sample Size: 10.0 units
Unit Mass: 4 grams per Unit
Serving Size:

Scan QR code to verify authenticity of results.

CANNABINOID ANALYSIS - SUMMARY

Total THC: Not Detected

Total CBD: 12.504 mg/unit

Sum of Cannabinoids: 12.552 mg/unit

Total Cannabinoids: 12.552 mg/unit

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))
Total CBD = CBD + (CBDa (0.877))
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) + (CBD+0.877*CBDa) + (CBG+0.877*CBGa) + (THCV+0.877*THCVa) + (CBC+0.877*CBCa) + (CBDV+0.877*CBDVa) + Δ^8-THC + CBL + CBN

SAFETY ANALYSIS - SUMMARY

Pesticides: PASS
Mycotoxins: PASS
Residual Solvents: PASS
Heavy Metals: PASS
Microbiology (PCR): PASS
Microbiology (Plating): PASS
Foreign Material: PASS

For quality assurance purposes. Not a Regulatory Hemp Lab Test Report. 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: Action Limits used in this report are a compilation of guidance from state regulatory agencies in all states except Alaska. Action limits for required tests are the lower of any conflicting state regulations.

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), too numerous to count >250 cfu/plate (TNTC), colony-forming unit (cfu)

Approved by: Josh Wurzer
Job Title: Chief Compliance Officer
Date: 02/05/2024

Amendment to Certificate of Analysis 240123L015-002

Cannabinoid Analysis

Tested by high-performance liquid chromatography with diode-array detection (HPLC-DAD).

Method: QSP 1157 - Analysis of Cannabinoids by HPLC-DAD

TOTAL THC: Not Detected

Total THC (Δ^9-THC+0.877*THCa)

TOTAL CBD: 12.504 mg/unit

Total CBD (CBD+0.877*CBDa)

TOTAL CANNABINOIDS: 12.552 mg/unit

Total Cannabinoids (Total THC) + (Total CBD) + (Total CBG) + (Total THCV) + (Total CBC) + (Total CBDV) + Δ^8-THC + CBL + CBN

TOTAL CBG: ND

Total CBG (CBG+0.877*CBGa)

TOTAL THCV: ND

Total THCV (THCV+0.877*THCVa)

TOTAL CBC: ND

Total CBC (CBC+0.877*CBCa)

TOTAL CBDV: 0.048 mg/unit

Total CBDV (CBDV+0.877*CBDVa)

CANNABINOID TEST RESULTS - 01/24/2024

COMPOUND	LOD/LOQ (mg/g)	MEASUREMENT UNCERTAINTY (mg/g)	RESULT (mg/g)	RESULT (%)
CBD	*0.004 / 0.011*	*±0.1166*	3.126	0.3126
CBDV	*0.002 / 0.012*	*±0.0005*	0.012	0.0012
Δ^9-THC	*0.002 / 0.014*	*N/A*	ND	ND
Δ^8-THC	*0.01 / 0.02*	*N/A*	ND	ND
THCa	*0.001 / 0.005*	*N/A*	ND	ND
THCV	*0.002 / 0.012*	*N/A*	ND	ND
THCVa	*0.002 / 0.019*	*N/A*	ND	ND
CBDa	*0.001 / 0.026*	*N/A*	ND	ND
CBDVa	*0.001 / 0.018*	*N/A*	ND	ND
CBG	*0.002 / 0.006*	*N/A*	ND	ND
CBGa	*0.002 / 0.007*	*N/A*	ND	ND
CBL	*0.003 / 0.010*	*N/A*	ND	ND
CBN	*0.001 / 0.007*	*N/A*	ND	ND
CBC	*0.003 / 0.010*	*N/A*	ND	ND
CBCa	*0.001 / 0.015*	*N/A*	ND	ND
SUM OF CANNABINOIDS			3.138 mg/g	0.3138%

Unit Mass: 4 grams per Unit

Δ^9-THC per Unit	ND
Total THC per Unit	ND
CBD per Unit	12.504 mg/unit
Total CBD per Unit	12.504 mg/unit
Sum of Cannabinoids per Unit	12.552 mg/unit
Total Cannabinoids per Unit	12.552 mg/unit

Pesticide Analysis

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

PESTICIDE TEST RESULTS - 01/27/2024 PASS

COMPOUND	LOD/LOQ (µg/g)	ACTION LIMIT (µg/g)	MEASUREMENT UNCERTAINTY (µg/g)	RESULT (µg/g)	RESULT
Abamectin	*0.032 / 0.097*	*0.07*	*N/A*	ND	PASS
Acephate	*0.006 / 0.018*	*0.05*	*N/A*	ND	PASS
Acequinocyl	*0.009 / 0.027*	*0.03*	*N/A*	ND	PASS
Acetamiprid	*0.016 / 0.049*	*0.05*	*N/A*	ND	PASS
Aldicarb	*0.030 / 0.090*	*0.1*	*N/A*	ND	PASS
Allethrin	*0.030 / 0.092*	*0.1*	*N/A*	ND	PASS
Atrazine	*0.006 / 0.019*	*0.025*	*N/A*	ND	PASS
Azadirachtin	*0.082 / 0.248*	*0.5*	*N/A*	ND	PASS
Azoxystrobin	*0.003 / 0.009*	*0.01*	*N/A*	ND	PASS
Benzovindiflupyr	*0.003 / 0.009*	*0.01*	*N/A*	ND	PASS
Bifenazate	*0.003 / 0.009*	*0.01*	*N/A*	ND	PASS

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Pesticide Analysis *Continued*

PESTICIDE TEST RESULTS - 01/27/2024 *continued* PASS

COMPOUND	LOD/LOQ (µg/g)	ACTION LIMIT (µg/g)	MEASUREMENT UNCERTAINTY (µg/g)	RESULT (µg/g)	RESULT
Bifenthrin	0.021 / 0.064	0.2	N/A	ND	PASS
Boscalid	0.003 / 0.009	0.01	N/A	ND	PASS
Buprofezin	0.006 / 0.019	0.02	N/A	ND	PASS
Captan	0.045 / 0.135	3	N/A	ND	PASS
Carbaryl	0.007 / 0.020	0.025	N/A	ND	PASS
Carbofuran	0.003 / 0.008	0.01	N/A	ND	PASS
Chlorantraniliprole	0.006 / 0.018	0.02	N/A	ND	PASS
Chlordane*	0.010 / 0.032	0.1	N/A	ND	PASS
Chlorfenapyr*	0.005 / 0.015	0.1	N/A	ND	PASS
Chlormequat chloride	0.022 / 0.066	3	N/A	ND	PASS
Chlorpyrifos	0.013 / 0.039	0.04	N/A	ND	PASS
Clofentezine	0.003 / 0.009	0.01	N/A	ND	PASS
Clothianidin	0.008 / 0.025	0.025	N/A	ND	PASS
Coumaphos	0.003 / 0.010	0.01	N/A	ND	PASS
Cyantraniliprole	0.003 / 0.010	0.01	N/A	ND	PASS
Cyfluthrin	0.052 / 0.159	0.1	N/A	ND	PASS
Cypermethrin	0.051 / 0.153	0.3	N/A	ND	PASS
Cyprodinil	0.003 / 0.008	0.01	N/A	ND	PASS
Daminozide	0.026 / 0.077	0.1	N/A	ND	PASS
Deltamethrin	0.059 / 0.180	0.5	N/A	ND	PASS
Diazinon	0.006 / 0.017	0.02	N/A	ND	PASS
Dichlorvos (DDVP)	0.012 / 0.038	0.1	N/A	ND	PASS
Dimethoate	0.003 / 0.009	0.1	N/A	ND	PASS
Dimethomorph	0.016 / 0.050	0.05	N/A	ND	PASS
Dinotefuran	0.010 / 0.030	0.05	N/A	ND	PASS
Diuron	0.013 / 0.040	0.125	N/A	ND	PASS
Dodemorph	0.012 / 0.035	0.05	N/A	ND	PASS
Endosulfan sulfate	0.016 / 0.048	0.05	N/A	ND	PASS
Endosulfan-α*	0.004 / 0.014	0.2	N/A	ND	PASS
Endosulfan-β*	0.006 / 0.019	0.05	N/A	ND	PASS
Ethoprophos	0.003 / 0.009	0.01	N/A	ND	PASS
Etofenprox	0.014 / 0.042	0.05	N/A	ND	PASS
Etoxazole	0.007 / 0.020	0.01	N/A	ND	PASS
Etridiazole*	0.002 / 0.005	0.03	N/A	ND	PASS
Fenhexamid	0.003 / 0.008	0.125	N/A	ND	PASS
Fenoxycarb	0.003 / 0.010	0.01	N/A	ND	PASS
Fenpyroximate	0.007 / 0.020	0.2	N/A	ND	PASS
Fensulfothion	0.003 / 0.010	0.01	N/A	ND	PASS
Fenthion	0.003 / 0.010	0.01	N/A	ND	PASS
Fenvalerate	0.033 / 0.099	0.1	N/A	ND	PASS
Fipronil	0.003 / 0.010	0.01	N/A	ND	PASS

Continued on next page

Pesticide Analysis *Continued*

PESTICIDE TEST RESULTS - 01/27/2024 *continued* PASS

COMPOUND	LOD/LOQ (µg/g)	ACTION LIMIT (µg/g)	MEASUREMENT UNCERTAINTY (µg/g)	RESULT (µg/g)	RESULT
Flonicamid	0.007 / 0.022	0.025	N/A	ND	PASS
Fludioxonil	0.003 / 0.010	0.01	N/A	ND	PASS
Fluopyram	0.003 / 0.009	0.01	N/A	ND	PASS
Hexythiazox	0.003 / 0.010	0.01	N/A	ND	PASS
Imazalil	0.003 / 0.009	0.01	N/A	ND	PASS
Imidacloprid	0.003 / 0.010	0.01	N/A	ND	PASS
Iprodione	0.077 / 0.233	0.5	N/A	ND	PASS
Kinoprene	0.077 / 0.233	0.5	N/A	ND	PASS
Kresoxim-methyl	0.006 / 0.019	0.02	N/A	ND	PASS
λ-Cyhalothrin	0.068 / 0.206	0.25	N/A	ND	PASS
Malathion	0.003 / 0.009	0.02	N/A	ND	PASS
Metalaxyl	0.003 / 0.010	0.02	N/A	ND	PASS
Methiocarb	0.003 / 0.008	0.02	N/A	ND	PASS
Methomyl	0.008 / 0.025	0.05	N/A	ND	PASS
Methoprene	0.172 / 0.521	2	N/A	ND	PASS
Mevinphos	0.008 / 0.024	0.025	N/A	ND	PASS
MGK-264	0.015 / 0.047	0.05	N/A	ND	PASS
Myclobutanil	0.003 / 0.009	0.01	N/A	ND	PASS
Naled	0.021 / 0.064	0.1	N/A	ND	PASS
Novaluron	0.002 / 0.005	0.025	N/A	ND	PASS
Oxamyl	0.017 / 0.051	0.5	N/A	ND	PASS
Paclobutrazol	0.003 / 0.010	0.01	N/A	ND	PASS
Parathion-methyl	0.016 / 0.050	0.05	N/A	ND	PASS
Pentachloronitrobenzene*	0.004 / 0.012	0.02	N/A	ND	PASS
Permethrin	0.056 / 0.168	0.04	N/A	ND	PASS
Phenothrin	0.016 / 0.047	0.05	N/A	ND	PASS
Phosmet	0.007 / 0.020	0.02	N/A	ND	PASS
Piperonyl Butoxide	0.010 / 0.029	0.2	N/A	ND	PASS
Pirimicarb	0.003 / 0.009	0.01	N/A	ND	PASS
Prallethrin	0.015 / 0.046	0.05	N/A	ND	PASS
Propiconazole	0.027 / 0.080	0.1	N/A	ND	PASS
Propoxur	0.003 / 0.008	0.01	N/A	ND	PASS
Pyraclostrobin	0.003 / 0.010	0.01	N/A	ND	PASS
Pyrethrins	0.016 / 0.049	0.05	N/A	ND	PASS
Pyridaben	0.005 / 0.017	0.02	N/A	ND	PASS
Pyriproxyfen	0.003 / 0.009	0.01	N/A	ND	PASS
Resmethrin	0.013 / 0.039	0.05	N/A	ND	PASS
Spinetoram	0.003 / 0.010	0.01	N/A	ND	PASS
Spinosad	0.003 / 0.010	0.01	N/A	ND	PASS
Spirodiclofen	0.031 / 0.093	0.25	N/A	ND	PASS
Spiromesifen	0.016 / 0.050	0.03	N/A	ND	PASS

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Pesticide Analysis *Continued*

PESTICIDE TEST RESULTS - 01/27/2024 *continued* PASS

COMPOUND	LOD/LOQ (µg/g)	ACTION LIMIT (µg/g)	MEASUREMENT UNCERTAINTY (µg/g)	RESULT (µg/g)	RESULT
Spirotetramat	0.003 / 0.010	0.01	N/A	ND	PASS
Spiroxamine	0.020 / 0.062	0.1	N/A	ND	PASS
Tebuconazole	0.003 / 0.010	0.01	N/A	ND	PASS
Tebufenozide	0.003 / 0.008	0.01	N/A	ND	PASS
Teflubenzuron	0.007 / 0.022	0.025	N/A	ND	PASS
Tetrachlorvinphos	0.003 / 0.008	0.01	N/A	ND	PASS
Tetramethrin	0.021 / 0.063	0.1	N/A	ND	PASS
Thiabendazole	0.006 / 0.020	0.02	N/A	ND	PASS
Thiacloprid	0.003 / 0.009	0.01	N/A	ND	PASS
Thiamethoxam	0.003 / 0.010	0.01	N/A	ND	PASS
Thiophanate-methyl	0.013 / 0.040	0.05	N/A	ND	PASS
Trifloxystrobin	0.003 / 0.009	0.02	N/A	ND	PASS

Mycotoxin Analysis

Mycotoxin analysis utilizing high-performance liquid chromatography-mass spectrometry (HPLC-MS).

Method: QSP 1212 - Analysis of Pesticides and Mycotoxins by LC-MS

MYCOTOXIN TEST RESULTS - 01/27/2024 PASS

COMPOUND	LOD/LOQ (µg/kg)	ACTION LIMIT (µg/kg)	MEASUREMENT UNCERTAINTY (µg/kg)	RESULT (µg/kg)	RESULT
Aflatoxin B1	1.6 / 5.0	5	N/A	ND	PASS
Aflatoxin B2	1.4 / 4.1	20	N/A	ND	PASS
Aflatoxin G1	1.6 / 4.9	20	N/A	ND	PASS
Aflatoxin G2	1.6 / 5.0	20	N/A	ND	PASS
Total Aflatoxin		20		ND	PASS
Ochratoxin A	1.6 / 5.0	5	N/A	ND	PASS

Residual Solvents Analysis

Residual Solvent analysis utilizing gas chromatography-mass spectrometry (GC-MS).

Method: QSP 1204 - Analysis of Residual Solvents by GC-MS

Total Butanes = n-Butane + 2-Methylpropane (Isobutane)
Total Pentanes = n-Pentane + 2-Methylbutane (Isopentane)
Total Hexanes = n-Hexane + 2,2-Dimethylbutane (Neohexane) + 2,3-Dimethylbutane / 2-Methylpentane (Isohexane) + 3-Methylpentane
Total Heptanes = 2,2-Dimethylpentane (Neoheptane) + 2,3-Dimethylpentane + 2,4-Dimethylpentane + 3,3-Dimethylpentane + 2,2,3-Trimethylbutane (Triptane) + 2-Methylhexane (Isoheptane) + 3-Methylhexane + 3-Ethylpentane + n-Heptane
Total Xylenes = 1,2-Dimethylbenzene (o-Xylene) + 1,3-Dimethylbenzene (m-Xylene) / 1,4-Dimethylbenzene (p-Xylene) + Ethylbenzene

RESIDUAL SOLVENTS TEST RESULTS - 01/29/2024 PASS

COMPOUND	LOD/LOQ (µg/g)	ACTION LIMIT (µg/g)	MEASUREMENT UNCERTAINTY (µg/g)	RESULT (µg/g)	RESULT
Propane	0.234 / 0.781	500	N/A	ND	PASS
2-Methylpropane (Isobutane)	0.052 / 0.173	5000	N/A	ND	PASS
n-Butane	0.019 / 0.063	2000	N/A	ND	PASS
Total Butanes		500		ND	PASS
2-Methylbutane (Isopentane)	0.310 / 1.035	5000	N/A	ND	PASS
2,2-Dimethylpropane (Neopentane)	0.035 / 0.117		N/A	ND	
n-Pentane	0.310 / 1.033	1000	N/A	ND	PASS
Total Pentanes		500		ND	PASS
2,2-Dimethylbutane (Neohexane)	9.831 / 32.77	290	N/A	ND	PASS
2,3-Dimethylbutane / 2-Methylpentane	0.381 / 1.271	290	N/A	ND	PASS
3-Methylpentane	0.109 / 0.365	290	N/A	ND	PASS

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Residual Solvents Analysis
Continued

RESIDUAL SOLVENTS TEST RESULTS - 01/29/2024 *continued* PASS

COMPOUND	LOD/LOQ (µg/g)	ACTION LIMIT (µg/g)	MEASUREMENT UNCERTAINTY (µg/g)	RESULT (µg/g)	RESULT
n-Hexane	0.110 / 0.366	0	N/A	ND	PASS
Total Hexanes		290		ND	PASS
Cyclohexane	0.357 / 1.190	500	N/A	ND	PASS
2,2-Dimethylpentane (Neoheptane)	0.493 / 1.642		N/A	ND	
2,3-Dimethylpentane	1.009 / 3.365		N/A	ND	
2,4-Dimethylpentane	0.737 / 2.458		N/A	ND	
3,3-Dimethylpentane	0.198 / 0.660		N/A	ND	
2,2,3-Trimethylbutane (Triptane)	0.521 / 1.738		N/A	ND	
2-Methylhexane (Isoheptane)	0.610 / 2.034		N/A	ND	
3-Methylhexane	0.235 / 0.785		N/A	ND	
3-Ethylpentane	0.304 / 1.012		N/A	ND	
n-Heptane	13.12 / 43.72	500	N/A	ND	PASS
Total Heptanes		1000		ND	PASS
Cycloheptane	0.597 / 1.989		N/A	ND	
Benzene	0.089 / 0.295	0	N/A	ND	PASS
Toluene	0.115 / 0.382	0	N/A	ND	PASS
Cumene	0.180 / 0.600	70	N/A	ND	PASS
1,3-Dimethylbenzene / 1,4-Dimethylbenzene	0.451 / 1.502	2170	N/A	ND	PASS
1,2-Dimethylbenzene (o-Xylene)	0.387 / 1.289	2170	N/A	ND	PASS
Ethylbenzene	0.370 / 1.233	2170	N/A	ND	PASS
Total Xylenes		217		ND	PASS
Methanol	53.92 / 163.4	500	N/A	ND	PASS
Ethanol	8.984 / 27.23	1000	N/A	ND	PASS
1-Propanol	1.540 / 5.133	5000	N/A	ND	PASS
2-Propanol (Isopropyl Alcohol)	8.421 / 25.52	500	N/A	ND	PASS
1-Butanol	0.475 / 1.582	5000	N/A	ND	PASS
2-Butanol	7.248 / 24.16	5000	N/A	ND	PASS
1-Pentanol	1.461 / 4.869	5000	N/A	ND	PASS
Acetone	10.59 / 32.08	5000	N/A	ND	PASS
2-Butanone	0.169 / 0.564	5000	N/A	ND	PASS
Tetrahydrofuran	0.622 / 2.075	720	N/A	ND	PASS
Ethyl Ether	0.197 / 0.658	5000	N/A	ND	PASS
Ethylene Glycol	3.803 / 12.68	620	N/A	ND	PASS
2-Ethoxyethanol	1.235 / 4.118	160	N/A	ND	PASS
1,2-Dimethoxyethane	2.116 / 7.052	100	N/A	ND	PASS
1,4-Dioxane	0.468 / 1.558	380	N/A	ND	PASS
Ethylene Oxide	0.253 / 0.844	5	N/A	ND	PASS
Ethyl Acetate	1.123 / 3.745	1000	±0.1606	10.781	PASS
Isopropyl Acetate	0.347 / 1.158	5000	N/A	ND	PASS

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Residual Solvents Analysis
Continued

RESIDUAL SOLVENTS TEST RESULTS - 01/29/2024 *continued* PASS

COMPOUND	LOD/LOQ (µg/g)	ACTION LIMIT (µg/g)	MEASUREMENT UNCERTAINTY (µg/g)	RESULT (µg/g)	RESULT
Chloroform	*0.251 / 0.838*	*1*	*N/A*	ND	PASS
Dichloromethane (Methylene Chloride)	*2.651 / 8.838*	*600*	*N/A*	ND	PASS
Trichloroethylene	*0.299 / 0.996*	*80*	*N/A*	ND	PASS
1,2-Dichloroethane	*0.162 / 0.541*	*5*	*N/A*	ND	PASS
1,1-Dichloroethene	*0.185 / 0.616*	*8*	*N/A*	ND	PASS
1,2-Dichloroethene	*0.428 / 1.427*	*5*	*N/A*	ND	PASS
Sulfolane	*47.66 / 158.9*	*160*	*N/A*	ND	PASS
Dimethyl Sulfoxide	*6.168 / 20.56*	*5000*	*N/A*	ND	PASS
Acetonitrile	*1.595 / 4.833*	*410*	*N/A*	ND	PASS
Pyridine	*0.407 / 1.355*	*100*	*N/A*	ND	PASS
N,N-Dimethylacetamide	*0.127 / 0.422*	*1090*	*N/A*	ND	PASS
N,N-Dimethylformamide	*0.946 / 3.153*	*880*	*N/A*	ND	PASS

Heavy Metals Analysis

Heavy metal analysis utilizing inductively coupled plasma-mass spectrometry (ICP-MS).

Method: QSP 1160 - Analysis of Heavy Metals by ICP-MS

HEAVY METALS TEST RESULTS - 01/26/2024 PASS

COMPOUND	LOD/LOQ (µg/g)	ACTION LIMIT (µg/g)	MEASUREMENT UNCERTAINTY (µg/g)	RESULT (µg/g)	RESULT
Arsenic	*0.02 / 0.1*	*0.42*	*N/A*	ND	PASS
Cadmium	*0.02 / 0.05*	*0.27*	*N/A*	ND	PASS
Lead	*0.04 / 0.1*	*0.5*	*N/A*	ND	PASS
Mercury	*0.002 / 0.01*	*0.4*	*N/A*	ND	PASS

Microbiology Analysis

PCR AND PLATING

Analysis conducted by polymerase chain reaction (PCR) and fluorescence detection of microbiological contaminants.

Method: QSP 1221 - Analysis of Microbiological Contaminants

Exclusions[1] see last page

MICROBIOLOGY TEST RESULTS (PCR) - 01/27/2024 PASS

COMPOUND	ACTION LIMIT (cfu/g)	RESULT (cfu/g)	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
Candida albicans	*Not Detected in 1g*	ND	PASS
Campylobacter spp.	*Not Detected in 1g*	ND	PASS
Yersinia spp.	*Not Detected in 1g*	ND	PASS
Listeria monocytogenes	*Not Detected in 1g*	ND	PASS
Pseudomonas aeruginosa	*Not Detected in 1g*	ND	PASS
Bile-Tolerant Gram-Negative Bacteria	*100*	ND	PASS
Staphylococcus aureus	*Not Detected in 1g*	ND	PASS

Microbiology Analysis *Continued*

Analysis conducted by 3M™ Petrifilm™ and plate counts of microbiological contaminants.

Method: QSP 6794 - Plating with 3M™ Petrifilm™

MICROBIOLOGY TEST RESULTS (PLATING) - 01/27/2024 PASS

COMPOUND	ACTION LIMIT (cfu/g)	RESULT (cfu/g)	RESULT
Total Aerobic Bacteria	*100*	ND	PASS
Total Yeast and Mold	*10*	10.0	
Total Enterobacteriaceae	*1000*	ND	PASS
Escherichia coli	*Not Detected in 1g*	ND	PASS
Coliforms	*100*	ND	PASS

Foreign Material Analysis

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

FOREIGN MATERIAL TEST RESULTS - 01/23/2024 PASS

COMPOUND	ACTION LIMIT	RESULT (per 3 Grams)	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

NOTES

Reason for Amendment: Order Detail Information Change

1. Exclusions: Sample Certification not applied

SC Labs®

Hemp Quality Assurance Testing
CERTIFICATE OF ANALYSIS

DATE ISSUED 02/05/2024

SAMPLE NAME: Martha Stewart- Raspberry, Berry Medley Gummy - 10mg CBD, 4g - MS1334R4019

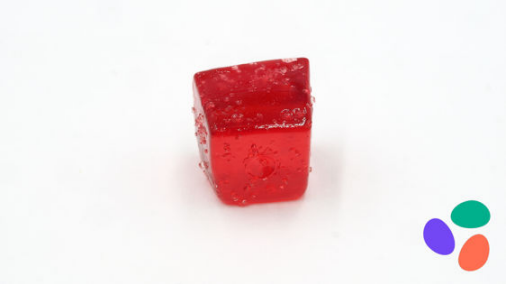
Infused, Hemp Infused

CULTIVATOR / MANUFACTURER

Business Name:
License Number:
Address:

DISTRIBUTOR / TESTED FOR

Business Name: Open Book Extracts
License Number:
Address: 317 Lucy Garrett Road
Roxboro NC 27574



SAMPLE DETAIL

Batch Number: 0000002640
Sample ID: 240122P012

Date Collected: 01/22/2024
Date Received: 01/22/2024
Batch Size:
Sample Size: 26.0 units
Unit Mass: 4 grams per Unit
Serving Size:

Scan QR code to verify authenticity of results.

CANNABINOID ANALYSIS - SUMMARY

Total THC: Not Detected

Total CBD: 11.492 mg/unit

Sum of Cannabinoids: 11.492 mg/unit

Total Cannabinoids: 11.492 mg/unit

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))
Total CBD = CBD + (CBDa (0.877))
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) + (CBD+0.877*CBDa) + (CBG+0.877*CBGa) + (THCV+0.877*THCVa) + (CBC+0.877*CBCa) + (CBDV+0.877*CBDVa) + Δ^8-THC + CBL + CBN

SAFETY ANALYSIS - SUMMARY

Pesticides: PASS
Mycotoxins: PASS
Residual Solvents: PASS
Heavy Metals: PASS
Microbiology (PCR): PASS
Microbiology (Plating): PASS
Foreign Material: PASS

For quality assurance purposes. Not a Regulatory Hemp Lab Test Report. 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: Action Limits used in this report are a compilation of guidance from state regulatory agencies in all states except Alaska. Action limits for required tests are the lower of any conflicting state regulations.

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), too numerous to count >250 cfu/plate (TNTC), colony-forming unit (cfu)

Approved by: Josh Wurzer
Job Title: Chief Compliance Officer
Date: 02/05/2024

Amendment to Certificate of Analysis 240122P012-001

Cannabinoid Analysis

Tested by high-performance liquid chromatography with diode-array detection (HPLC-DAD).

Method: QSP 1157 - Analysis of Cannabinoids by HPLC-DAD

TOTAL THC: Not Detected

Total THC (Δ^9-THC+0.877*THCa)

TOTAL CBD: 11.492 mg/unit

Total CBD (CBD+0.877*CBDa)

TOTAL CANNABINOIDS: 11.492 mg/unit

Total Cannabinoids (Total THC) + (Total CBD) + (Total CBG) + (Total THCV) + (Total CBC) + (Total CBDV) + Δ^8-THC + CBL + CBN

TOTAL CBG: ND

Total CBG (CBG+0.877*CBGa)

TOTAL THCV: ND

Total THCV (THCV+0.877*THCVa)

TOTAL CBC: ND

Total CBC (CBC+0.877*CBCa)

TOTAL CBDV: <LOQ

Total CBDV (CBDV+0.877*CBDVa)

CANNABINOID TEST RESULTS - 01/27/2024

COMPOUND	LOD/LOQ (mg/g)	MEASUREMENT UNCERTAINTY (mg/g)	RESULT (mg/g)	RESULT (%)
CBD	*0.004 / 0.011*	*±0.1072*	2.873	0.2873
CBDV	*0.002 / 0.012*	*N/A*	<LOQ	<LOQ
Δ^9-THC	*0.002 / 0.014*	*N/A*	ND	ND
Δ^8-THC	*0.01 / 0.02*	*N/A*	ND	ND
THCa	*0.001 / 0.005*	*N/A*	ND	ND
THCV	*0.002 / 0.012*	*N/A*	ND	ND
THCVa	*0.002 / 0.019*	*N/A*	ND	ND
CBDa	*0.001 / 0.026*	*N/A*	ND	ND
CBDVa	*0.001 / 0.018*	*N/A*	ND	ND
CBG	*0.002 / 0.006*	*N/A*	ND	ND
CBGa	*0.002 / 0.007*	*N/A*	ND	ND
CBL	*0.003 / 0.010*	*N/A*	ND	ND
CBN	*0.001 / 0.007*	*N/A*	ND	ND
CBC	*0.003 / 0.010*	*N/A*	ND	ND
CBCa	*0.001 / 0.015*	*N/A*	ND	ND
SUM OF CANNABINOIDS			2.873 mg/g	0.2873%

Unit Mass: 4 grams per Unit

Δ^9-THC per Unit	ND
Total THC per Unit	ND
CBD per Unit	11.492 mg/unit
Total CBD per Unit	11.492 mg/unit
Sum of Cannabinoids per Unit	11.492 mg/unit
Total Cannabinoids per Unit	11.492 mg/unit

Pesticide Analysis

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

PESTICIDE TEST RESULTS - 01/27/2024 PASS

COMPOUND	LOD/LOQ (µg/g)	ACTION LIMIT (µg/g)	MEASUREMENT UNCERTAINTY (µg/g)	RESULT (µg/g)	RESULT
Abamectin	*0.032 / 0.097*	*0.07*	*N/A*	ND	PASS
Acephate	*0.006 / 0.018*	*0.05*	*N/A*	ND	PASS
Acequinocyl	*0.009 / 0.027*	*0.03*	*N/A*	ND	PASS
Acetamiprid	*0.016 / 0.049*	*0.05*	*N/A*	ND	PASS
Aldicarb	*0.030 / 0.090*	*0.1*	*N/A*	ND	PASS
Allethrin	*0.030 / 0.092*	*0.1*	*N/A*	ND	PASS
Atrazine	*0.006 / 0.019*	*0.025*	*N/A*	ND	PASS
Azadirachtin	*0.082 / 0.248*	*0.5*	*N/A*	ND	PASS
Azoxystrobin	*0.003 / 0.009*	*0.01*	*N/A*	ND	PASS
Benzovindiflupyr	*0.003 / 0.009*	*0.01*	*N/A*	ND	PASS
Bifenazate	*0.003 / 0.009*	*0.01*	*N/A*	ND	PASS

Continued on next page

Pesticide Analysis *Continued*

PESTICIDE TEST RESULTS - 01/27/2024 *continued* PASS

COMPOUND	LOD/LOQ (µg/g)	ACTION LIMIT (µg/g)	MEASUREMENT UNCERTAINTY (µg/g)	RESULT (µg/g)	RESULT
Bifenthrin	0.021 / 0.064	0.2	N/A	ND	PASS
Boscalid	0.003 / 0.009	0.01	N/A	ND	PASS
Buprofezin	0.006 / 0.019	0.02	N/A	ND	PASS
Captan	0.045 / 0.135	3	N/A	ND	PASS
Carbaryl	0.007 / 0.020	0.025	N/A	ND	PASS
Carbofuran	0.003 / 0.008	0.01	N/A	ND	PASS
Chlorantraniliprole	0.006 / 0.018	0.02	N/A	ND	PASS
Chlordane*	0.010 / 0.032	0.1	N/A	ND	PASS
Chlorfenapyr*	0.005 / 0.015	0.1	N/A	ND	PASS
Chlormequat chloride	0.022 / 0.066	3	N/A	ND	PASS
Chlorpyrifos	0.013 / 0.039	0.04	N/A	ND	PASS
Clofentezine	0.003 / 0.009	0.01	N/A	ND	PASS
Clothianidin	0.008 / 0.025	0.025	N/A	ND	PASS
Coumaphos	0.003 / 0.010	0.01	N/A	ND	PASS
Cyantraniliprole	0.003 / 0.010	0.01	N/A	ND	PASS
Cyfluthrin	0.052 / 0.159	0.1	N/A	ND	PASS
Cypermethrin	0.051 / 0.153	0.3	N/A	ND	PASS
Cyprodinil	0.003 / 0.008	0.01	N/A	ND	PASS
Daminozide	0.026 / 0.077	0.1	N/A	ND	PASS
Deltamethrin	0.059 / 0.180	0.5	N/A	ND	PASS
Diazinon	0.006 / 0.017	0.02	N/A	ND	PASS
Dichlorvos (DDVP)	0.012 / 0.038	0.1	N/A	ND	PASS
Dimethoate	0.003 / 0.009	0.1	N/A	ND	PASS
Dimethomorph	0.016 / 0.050	0.05	N/A	ND	PASS
Dinotefuran	0.010 / 0.030	0.05	N/A	ND	PASS
Diuron	0.013 / 0.040	0.125	N/A	ND	PASS
Dodemorph	0.012 / 0.035	0.05	N/A	ND	PASS
Endosulfan sulfate	0.016 / 0.048	0.05	N/A	ND	PASS
Endosulfan-α*	0.004 / 0.014	0.2	N/A	ND	PASS
Endosulfan-β*	0.006 / 0.019	0.05	N/A	ND	PASS
Ethoprophos	0.003 / 0.009	0.01	N/A	ND	PASS
Etofenprox	0.014 / 0.042	0.05	N/A	ND	PASS
Etoxazole	0.007 / 0.020	0.01	N/A	ND	PASS
Etridiazole*	0.002 / 0.005	0.03	N/A	ND	PASS
Fenhexamid	0.003 / 0.008	0.125	N/A	ND	PASS
Fenoxycarb	0.003 / 0.010	0.01	N/A	ND	PASS
Fenpyroximate	0.007 / 0.020	0.2	N/A	ND	PASS
Fensulfothion	0.003 / 0.010	0.01	N/A	ND	PASS
Fenthion	0.003 / 0.010	0.01	N/A	ND	PASS
Fenvalerate	0.033 / 0.099	0.1	N/A	ND	PASS
Fipronil	0.003 / 0.010	0.01	N/A	ND	PASS

Continued on next page

Pesticide Analysis *Continued*

PESTICIDE TEST RESULTS - 01/27/2024 *continued* PASS

COMPOUND	LOD/LOQ (µg/g)	ACTION LIMIT (µg/g)	MEASUREMENT UNCERTAINTY (µg/g)	RESULT (µg/g)	RESULT
Flonicamid	0.007 / 0.022	0.025	N/A	ND	PASS
Fludioxonil	0.003 / 0.010	0.01	N/A	ND	PASS
Fluopyram	0.003 / 0.009	0.01	N/A	ND	PASS
Hexythiazox	0.003 / 0.010	0.01	N/A	ND	PASS
Imazalil	0.003 / 0.009	0.01	N/A	ND	PASS
Imidacloprid	0.003 / 0.010	0.01	N/A	ND	PASS
Iprodione	0.077 / 0.233	0.5	N/A	ND	PASS
Kinoprene	0.077 / 0.233	0.5	N/A	ND	PASS
Kresoxim-methyl	0.006 / 0.019	0.02	N/A	ND	PASS
λ-Cyhalothrin	0.068 / 0.206	0.25	N/A	ND	PASS
Malathion	0.003 / 0.009	0.02	N/A	ND	PASS
Metalaxyl	0.003 / 0.010	0.02	N/A	ND	PASS
Methiocarb	0.003 / 0.008	0.02	N/A	ND	PASS
Methomyl	0.008 / 0.025	0.05	N/A	ND	PASS
Methoprene	0.172 / 0.521	2	N/A	ND	PASS
Mevinphos	0.008 / 0.024	0.025	N/A	ND	PASS
MGK-264	0.015 / 0.047	0.05	N/A	ND	PASS
Myclobutanil	0.003 / 0.009	0.01	N/A	ND	PASS
Naled	0.021 / 0.064	0.1	N/A	ND	PASS
Novaluron	0.002 / 0.005	0.025	N/A	ND	PASS
Oxamyl	0.017 / 0.051	0.5	N/A	ND	PASS
Paclobutrazol	0.003 / 0.010	0.01	N/A	ND	PASS
Parathion-methyl	0.016 / 0.050	0.05	N/A	ND	PASS
Pentachloronitrobenzene*	0.004 / 0.012	0.02	N/A	ND	PASS
Permethrin	0.056 / 0.168	0.04	N/A	ND	PASS
Phenothrin	0.016 / 0.047	0.05	N/A	ND	PASS
Phosmet	0.007 / 0.020	0.02	N/A	ND	PASS
Piperonyl Butoxide	0.010 / 0.029	0.2	N/A	ND	PASS
Pirimicarb	0.003 / 0.009	0.01	N/A	ND	PASS
Prallethrin	0.015 / 0.046	0.05	N/A	ND	PASS
Propiconazole	0.027 / 0.080	0.1	N/A	ND	PASS
Propoxur	0.003 / 0.008	0.01	N/A	ND	PASS
Pyraclostrobin	0.003 / 0.010	0.01	N/A	ND	PASS
Pyrethrins	0.016 / 0.049	0.05	N/A	ND	PASS
Pyridaben	0.005 / 0.017	0.02	N/A	ND	PASS
Pyriproxyfen	0.003 / 0.009	0.01	N/A	ND	PASS
Resmethrin	0.013 / 0.039	0.05	N/A	ND	PASS
Spinetoram	0.003 / 0.010	0.01	N/A	ND	PASS
Spinosad	0.003 / 0.010	0.01	N/A	ND	PASS
Spirodiclofen	0.031 / 0.093	0.25	N/A	ND	PASS
Spiromesifen	0.016 / 0.050	0.03	N/A	ND	PASS

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Pesticide Analysis *Continued*

PESTICIDE TEST RESULTS - 01/27/2024 *continued* PASS

COMPOUND	LOD/LOQ (µg/g)	ACTION LIMIT (µg/g)	MEASUREMENT UNCERTAINTY (µg/g)	RESULT (µg/g)	RESULT
Spirotetramat	0.003 / 0.010	0.01	N/A	ND	PASS
Spiroxamine	0.020 / 0.062	0.1	N/A	ND	PASS
Tebuconazole	0.003 / 0.010	0.01	N/A	ND	PASS
Tebufenozide	0.003 / 0.008	0.01	N/A	ND	PASS
Teflubenzuron	0.007 / 0.022	0.025	N/A	ND	PASS
Tetrachlorvinphos	0.003 / 0.008	0.01	N/A	ND	PASS
Tetramethrin	0.021 / 0.063	0.1	N/A	ND	PASS
Thiabendazole	0.006 / 0.020	0.02	N/A	ND	PASS
Thiacloprid	0.003 / 0.009	0.01	N/A	ND	PASS
Thiamethoxam	0.003 / 0.010	0.01	N/A	ND	PASS
Thiophanate-methyl	0.013 / 0.040	0.05	N/A	ND	PASS
Trifloxystrobin	0.003 / 0.009	0.02	N/A	ND	PASS

Mycotoxin Analysis

Mycotoxin analysis utilizing high-performance liquid chromatography-mass spectrometry (HPLC-MS).

Method: QSP 1212 - Analysis of Pesticides and Mycotoxins by LC-MS

MYCOTOXIN TEST RESULTS - 01/27/2024 PASS

COMPOUND	LOD/LOQ (µg/kg)	ACTION LIMIT (µg/kg)	MEASUREMENT UNCERTAINTY (µg/kg)	RESULT (µg/kg)	RESULT
Aflatoxin B1	1.6 / 5.0	5	N/A	ND	PASS
Aflatoxin B2	1.4 / 4.1	20	N/A	ND	PASS
Aflatoxin G1	1.6 / 4.9	20	N/A	ND	PASS
Aflatoxin G2	1.6 / 5.0	20	N/A	ND	PASS
Total Aflatoxin		20		ND	PASS
Ochratoxin A	1.6 / 5.0	5	N/A	ND	PASS

Residual Solvents Analysis

Residual Solvent analysis utilizing gas chromatography-mass spectrometry (GC-MS).

Method: QSP 1204 - Analysis of Residual Solvents by GC-MS

Total Butanes = n-Butane + 2-Methylpropane (Isobutane)
Total Pentanes = n-Pentane + 2-Methylbutane (Isopentane)
Total Hexanes = n-Hexane + 2,2-Dimethylbutane (Neohexane) + 2,3-Dimethylbutane / 2-Methylpentane (Isohexane) + 3-Methylpentane
Total Heptanes = 2,2-Dimethylpentane (Neoheptane) + 2,3-Dimethylpentane + 2,4-Dimethylpentane + 3,3-Dimethylpentane + 2,2,3-Trimethylbutane (Triptane) + 2-Methylhexane (Isoheptane) + 3-Methylhexane + 3-Ethylpentane + n-Heptane
Total Xylenes = 1,2-Dimethylbenzene (o-Xylene) + 1,3-Dimethylbenzene (m-Xylene) / 1,4-Dimethylbenzene (p-Xylene) + Ethylbenzene

Exclusions[1] see last page

RESIDUAL SOLVENTS TEST RESULTS - 01/27/2024 PASS

COMPOUND	LOD/LOQ (µg/g)	ACTION LIMIT (µg/g)	MEASUREMENT UNCERTAINTY (µg/g)	RESULT (µg/g)	RESULT
Propane	0.234 / 0.781	500	N/A	ND	PASS
2-Methylpropane (Isobutane)	0.052 / 0.173	5000	N/A	ND	PASS
n-Butane	0.019 / 0.063	2000	N/A	ND	PASS
Total Butanes		500		ND	PASS
2-Methylbutane (Isopentane)	0.310 / 1.035	5000	N/A	ND	PASS
2,2-Dimethylpropane (Neopentane)	0.035 / 0.117		N/A	ND	
n-Pentane	0.310 / 1.033	1000	N/A	ND	PASS
Total Pentanes		500		ND	PASS
2,2-Dimethylbutane (Neohexane)	9.831 / 32.77	290	N/A	ND	PASS
2,3-Dimethylbutane / 2-Methylpentane	0.381 / 1.271	290	N/A	ND	PASS
3-Methylpentane	0.109 / 0.365	290	N/A	ND	PASS

Continued on next page

Residual Solvents Analysis
Continued

RESIDUAL SOLVENTS TEST RESULTS - 01/27/2024 *continued* PASS

COMPOUND	LOD/LOQ (µg/g)	ACTION LIMIT (µg/g)	MEASUREMENT UNCERTAINTY (µg/g)	RESULT (µg/g)	RESULT
n-Hexane	0.110 / 0.366	0	N/A	ND	PASS
Total Hexanes		290		ND	PASS
Cyclohexane	0.357 / 1.190	500	N/A	ND	PASS
2,2-Dimethylpentane (Neoheptane)	0.493 / 1.642		N/A	ND	
2,3-Dimethylpentane	1.009 / 3.365		N/A	ND	
2,4-Dimethylpentane	0.737 / 2.458		N/A	ND	
3,3-Dimethylpentane	0.198 / 0.660		N/A	ND	
2,2,3-Trimethylbutane (Triptane)	0.521 / 1.738		N/A	ND	
2-Methylhexane (Isoheptane)	0.610 / 2.034		N/A	ND	
3-Methylhexane	0.235 / 0.785		N/A	ND	
3-Ethylpentane	0.304 / 1.012		N/A	ND	
n-Heptane	13.12 / 43.72	500	N/A	ND	PASS
Total Heptanes		1000		ND	PASS
Cycloheptane	0.597 / 1.989		N/A	ND	
Benzene	0.089 / 0.295	0	N/A	ND	PASS
Toluene	0.115 / 0.382	0	N/A	ND	PASS
Cumene	0.180 / 0.600	70	N/A	ND	PASS
1,3-Dimethylbenzene / 1,4-Dimethylbenzene	0.451 / 1.502	2170	N/A	ND	PASS
1,2-Dimethylbenzene (o-Xylene)	0.387 / 1.289	2170	N/A	ND	PASS
Ethylbenzene	0.370 / 1.233	2170	N/A	ND	PASS
Total Xylenes		217		ND	PASS
Methanol	53.92 / 163.4	500	N/A	ND	PASS
Ethanol	8.984 / 27.23		±46.845	3002.91	
1-Propanol	1.540 / 5.133	5000	N/A	ND	PASS
2-Propanol (Isopropyl Alcohol)	8.421 / 25.52	500	N/A	ND	PASS
1-Butanol	0.475 / 1.582	5000	N/A	ND	PASS
2-Butanol	7.248 / 24.16	5000	N/A	ND	PASS
1-Pentanol	1.461 / 4.869	5000	N/A	ND	PASS
Acetone	10.59 / 32.08	5000	N/A	ND	PASS
2-Butanone	0.169 / 0.564	5000	N/A	ND	PASS
Tetrahydrofuran	0.622 / 2.075	720	N/A	ND	PASS
Ethyl Ether	0.197 / 0.658	5000	N/A	ND	PASS
Ethylene Glycol	3.803 / 12.68	620	N/A	ND	PASS
2-Ethoxyethanol	1.235 / 4.118	160	N/A	ND	PASS
1,2-Dimethoxyethane	2.116 / 7.052	100	N/A	ND	PASS
1,4-Dioxane	0.468 / 1.558	380	N/A	ND	PASS
Ethylene Oxide	0.253 / 0.844	5	N/A	ND	PASS
Ethyl Acetate	1.123 / 3.745	1000	N/A	ND	PASS
Isopropyl Acetate	0.347 / 1.158	5000	N/A	ND	PASS

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Residual Solvents Analysis
Continued

RESIDUAL SOLVENTS TEST RESULTS - 01/27/2024 *continued* PASS

COMPOUND	LOD/LOQ (µg/g)	ACTION LIMIT (µg/g)	MEASUREMENT UNCERTAINTY (µg/g)	RESULT (µg/g)	RESULT
Chloroform	*0.251 / 0.838*	*1*	*N/A*	ND	PASS
Dichloromethane (Methylene Chloride)	*2.651 / 8.838*	*600*	*N/A*	ND	PASS
Trichloroethylene	*0.299 / 0.996*	*80*	*N/A*	ND	PASS
1,2-Dichloroethane	*0.162 / 0.541*	*5*	*N/A*	ND	PASS
1,1-Dichloroethene	*0.185 / 0.616*	*8*	*N/A*	ND	PASS
1,2-Dichloroethene	*0.428 / 1.427*	*5*	*N/A*	ND	PASS
Sulfolane	*47.66 / 158.9*	*160*	*N/A*	ND	PASS
Dimethyl Sulfoxide	*6.168 / 20.56*	*5000*	*N/A*	ND	PASS
Acetonitrile	*1.595 / 4.833*	*410*	*N/A*	ND	PASS
Pyridine	*0.407 / 1.355*	*100*	*N/A*	ND	PASS
N,N-Dimethylacetamide	*0.127 / 0.422*	*1090*	*N/A*	ND	PASS
N,N-Dimethylformamide	*0.946 / 3.153*	*880*	*N/A*	ND	PASS

Heavy Metals Analysis

Heavy metal analysis utilizing inductively coupled plasma-mass spectrometry (ICP-MS).

Method: QSP 1160 - Analysis of Heavy Metals by ICP-MS

HEAVY METALS TEST RESULTS - 01/25/2024 PASS

COMPOUND	LOD/LOQ (µg/g)	ACTION LIMIT (µg/g)	MEASUREMENT UNCERTAINTY (µg/g)	RESULT (µg/g)	RESULT
Arsenic	*0.02 / 0.1*	*0.42*	*N/A*	ND	PASS
Cadmium	*0.02 / 0.05*	*0.27*	*N/A*	ND	PASS
Lead	*0.04 / 0.1*	*0.5*	*N/A*	ND	PASS
Mercury	*0.002 / 0.01*	*0.4*	*N/A*	ND	PASS

Microbiology Analysis

PCR AND PLATING

Analysis conducted by polymerase chain reaction (PCR) and fluorescence detection of microbiological contaminants.

Method: QSP 1221 - Analysis of Microbiological Contaminants

Exclusions[2] see last page

MICROBIOLOGY TEST RESULTS (PCR) - 01/27/2024 PASS

COMPOUND	ACTION LIMIT (cfu/g)	RESULT (cfu/g)	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
Candida albicans	*Not Detected in 1g*	ND	PASS
Campylobacter spp.	*Not Detected in 1g*	ND	PASS
Yersinia spp.	*Not Detected in 1g*	ND	PASS
Listeria monocytogenes	*Not Detected in 1g*	ND	PASS
Pseudomonas aeruginosa	*Not Detected in 1g*	ND	PASS
Bile-Tolerant Gram-Negative Bacteria	*100*	ND	PASS
Staphylococcus aureus	*Not Detected in 1g*	ND	PASS

Microbiology Analysis *Continued*

Analysis conducted by 3M™ Petrifilm™ and plate counts of microbiological contaminants.

Method: QSP 6794 - Plating with 3M™ Petrifilm™

MICROBIOLOGY TEST RESULTS (PLATING) - 01/27/2024 PASS

COMPOUND	ACTION LIMIT (cfu/g)	RESULT (cfu/g)	RESULT
Total Aerobic Bacteria	*100*	ND	PASS
Total Yeast and Mold	*10*	10.0	
Total Enterobacteriaceae	*1000*	ND	PASS
Escherichia coli	*Not Detected in 1g*	ND	PASS
Coliforms	*100*	ND	PASS

Foreign Material Analysis

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

FOREIGN MATERIAL TEST RESULTS - 01/23/2024 PASS

COMPOUND	ACTION LIMIT	RESULT (per 3 Grams)	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

NOTES

Reason for Amendment: Order Detail Information Change

1. Exclusions: Sample Certification not applied
2. Exclusions: Sample Certification not applied