

Customer: Berkshire Roots

Address:
 501 Dalton Ave
 Pittsfield MA 01201

Phone: 413-329-5067

License #: MP281427



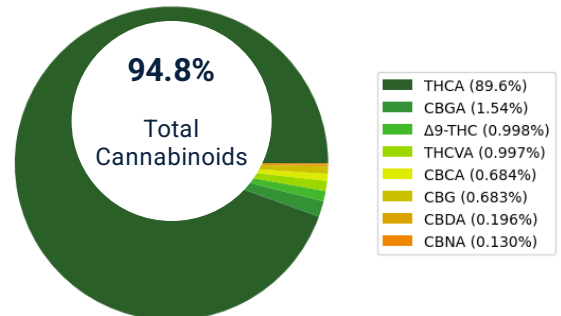
Sample ID: 43864
Sample Name: Orange Chameleon Bulk LIVE Concentrate
Sample Strain: Orange Chameleon
Sample Type: Concentrate
Received Date: 03/16/2026
Report Date: 03/20/2026
METRC ID: 1A40A030000064200011221
METRC Source ID:
 1A40A030000064200011166
Client Batch ID: 260304ORCH-FF-BP
Sanitization Method: None
Client Sample Size: 5.2 grams



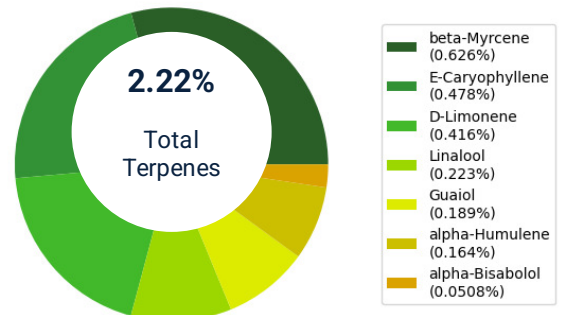
Results Summary

Cannabinoids 03/18/2026	TESTED
Terpenes 03/18/2026	TESTED
Heavy Metals 03/19/2026	✓ PASS
Microbial Impurities 03/20/2026	✓ PASS
Residual Solvents 03/18/2026	✓ PASS
Mycotoxins 03/18/2026	✓ PASS

Cannabinoid Distribution (%)



Terpene Distribution (%)



Cannabinoids

Date Started: 03/17/2026
Instrument: UPLC-PDA

Date Completed: 03/18/2026
Method: TP-09.001.06 & TP-09.012.07

Analyst: Lana Rivera (B144852)
Deviation: N/A

Cannabinoid	Result (%)	Result (mg/g)	LOD (%)	LOQ (%)
THCA	89.6	896	0.246	1.53
CBGA	1.54	15.4	0.00602	0.0767
Δ9-THC	0.998	9.98	0.0284	0.153
THCVA	0.997	9.97	0.00652	0.0614
CBCA	0.684	6.84	0.0198	0.0614
CBG	0.683	6.83	0.00667	0.0767
CBDA	0.196	1.96	0.00967	0.153
CBNA	0.130	1.30	0.00810	0.0614
CBDVA	ND	ND	0.0103	0.0614
CBDV	ND	ND	0.0293	0.0614
CBD	ND	ND	0.0119	0.153
Δ9-THCV	ND	ND	0.00828	0.0614
Δ8-THCV	ND	ND	0.0150	0.0614
CBN	ND	ND	0.0105	0.0767
Exo-THC	ND	ND	0.0123	0.0614
Δ8-THC	ND	ND	0.0269	0.0767
CBL	ND	ND	0.0182	0.0614
CBC	ND	ND	0.00727	0.0614
Total THC	79.5	795		
Total CBD	0.172	1.72		
Total Cannabinoids	94.8	948		

Total THC = Δ9-THC + (THCA x 0.877)

Total CBD = CBD + (CBDA x 0.877)

Total Cannabinoids = Sum of all cannabinoids without THC/CBD corrections.

LOD = Limit of Detection; **LOQ** = Limit of Quantitation; **ND** = Not Detected.

Certificate of Analysis

Terpenes

Date Started: 03/17/2026
Instrument: GC-MS

Date Completed: 03/18/2026
Method: TP-09.004.06

Analyst: Lana Rivera (B144852)
Deviation: N/A

Terpene	Result (%)	Result (mg/g)	LOD (%)	LOQ (%)
beta-Myrcene	0.626	6.26	0.00258	0.0153
E-Caryophyllene	0.478	4.78	0.00674	0.0153
D-Limonene	0.416	4.16	0.00324	0.0153
Linalool	0.223	2.23	0.00467	0.0153
Guaiol	0.189	1.89	0.00334	0.0153
alpha-Humulene	0.164	1.64	0.00331	0.0153
alpha-Bisabolol	0.0508	0.508	0.00568	0.0153
beta-Pinene	0.0374	0.374	0.00318	0.0153
alpha-Pinene	0.0162	0.162	0.00129	0.0153
Carophyllene Oxide	<LOQ	<LOQ	0.00347	0.0153
Terpinolene	<LOQ	<LOQ	0.00191	0.0153
Camphene	<LOQ	<LOQ	0.00169	0.0153
E-beta-Ocimene	ND	ND	0.00634	0.0153
Isopulegol	ND	ND	0.00744	0.0153
Geraniol	ND	ND	0.00477	0.0153
Z-Nerolidol	ND	ND	0.00416	0.0153
E-Nerolidol	ND	ND	0.00350	0.0153
Eucalyptol	ND	ND	0.00465	0.0153
delta-3-Carene	ND	ND	0.00501	0.0153
alpha-Terpinene	ND	ND	0.00470	0.0153
Z-beta-Ocimene	ND	ND	0.00621	0.0153
gamma-Terpinene	ND	ND	0.00347	0.0153
Total Terpenes	2.22	22.2		

Heavy Metals

✓ **PASS**

Date Started: 03/17/2026
Instrument: ICP-MS

Date Completed: 03/19/2026
Method: TP-09.007.04

Analyst: Meagan Mattos (B154555)
Deviation: N/A

Heavy Metals	Result (ppb)	LOD (ppb)	LOQ (ppb)	Limit (ppb)	Status
Arsenic	<LOQ	10.6	71.5	200	Pass
Cadmium	ND	6.35	71.5	200	Pass
Lead	<LOQ	5.84	71.5	500	Pass
Mercury	ND	5.09	35.8	100	Pass

Microbial Impurities

✓ **PASS**

Date Started: 03/16/2026
Instrument: TEMPO & Gene-Up

Date Completed: 03/20/2026
Method: TP-09.010.02 & TP-09.011.03

Analyst: Sydney Murphy (B168056)
Deviation: N/A

Microbials	Result (CFU/g)	Limit (CFU/g)	Status
Coliforms	ND	100	Pass
Bile-Tolerant Gram-Negative Bacteria	ND	100	Pass
Yeast & Mold	ND	1000	Pass
Aerobic Bacteria	ND	10000	Pass
E.coli	ND		Pass
Salmonella	ND		Pass

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Certificate of Analysis

Residual Solvents

✓ **PASS**

Date Started: 03/17/2026
Instrument: HS-GC-MS

Date Completed: 03/18/2026
Method: TP-09.005.04

Analyst: Lana Rivera (B144852)
Deviation: N/A

Residual Solvent	Result (ppm)	LOD (ppm)	LOQ (ppm)	Limit (ppm)	Status
n-Propane	ND	0.389	1.53	12.0	Pass
Iso-butane	ND	0.256	1.53	12.0	Pass
n-Butane	6.90	0.168	1.53	12.0	Pass
Methanol	ND	36.4	92.0	3000	Pass
Ethylene Oxide	ND	0.613	1.23		Pass
n-Pentane	ND	24.7	92.0	5000	Pass
Ethanol	ND	17.1	92.0	5000	Pass
Ethyl Ether	ND	23.2	92.0	5000	Pass
Acetone	ND	16.7	92.0	5000	Pass
Isopropyl Alcohol	ND	20.8	92.0	5000	Pass
Acetonitrile	ND	12.9	92.0	410	Pass
Methylene Chloride	ND	0.613	1.23	600	Pass
n-Hexane	ND	25.0	92.0	290	Pass
Ethyl Acetate	ND	14.4	92.0	5000	Pass
Chloroform	ND	0.613	1.23	60.0	Pass
1,2-Dichloroethane	ND	0.613	1.23	1870	Pass
Benzene	ND	0.613	1.23		Pass
n-Heptane	ND	26.8	92.0	5000	Pass
Trichloroethylene	ND	0.613	1.23	80.0	Pass
Toluene	ND	10.6	92.0	890	Pass
Total Xylenes	ND	18.1	46.0	2170	Pass

Mycotoxins

✓ **PASS**

Date Started: 03/17/2026
Instrument: LC-MS/MS

Date Completed: 03/18/2026
Method: TP-09.009.05

Analyst: Lana Rivera (B144852)
Deviation: N/A

Mycotoxins	Result (ppb)	LOD (ppb)	LOQ (ppb)	Limit (ppb)	Status
Aflatoxin B1	ND	0.777	2.56		
Aflatoxin B2	ND	0.777	2.56		
Aflatoxin G1	ND	0.777	2.56		
Aflatoxin G2	ND	0.777	2.56		
Ochratoxin A	ND	0.777	2.56		
Total Mycotoxins	ND	0.777	2.56	20.0	Pass



Eric Steele, Lab Director
 03/20/2026

END OF REPORT