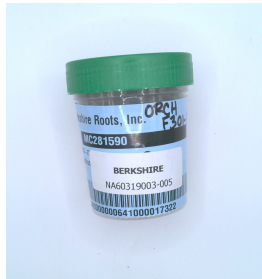




Certificate of Analysis

Pages 1 of 5

PASSED



Batch #: 260129ORCHF301-18e
Production Method: Cured
Servings: 1
Metric Package #:
1A40A0300000641000017322
Metric Source Package #:
1A40A0300000641000017315

Lab ID: NA60319003-005
Ordered: 03/19/26
Sampled Date: 03/19/26
Sample Size: 8 gram
Completed: 03/29/26
Manifest #: 0003216104

Berkshire Roots, Inc. - Massachusetts

501A Dalton Ave
Pittsfield, MA, 01201, US
BerkshireRoots.com
License #: MC281590



SAFETY RESULTS

MISC.

									
Pesticide PASSED	Heavy Metals PASSED	Microbial PASSED	Mycotoxins PASSED	Solvents NOT TESTED	Filtration/Foreign Material NOT TESTED	Water Activity TESTED	Moisture Content TESTED	Vitamin E NOT TESTED	Terpenes TESTED



Cannabinoid

PASSED



Total THC
26.0745%



Total CBD
ND



Total Cannabinoids
30.4300%

	TOTAL CANNABINOIDS	TOTAL TAC	TOTAL THC	TOTAL CBD	THCA	D9-THC	CBDA	CBD	CBDV	CBC	THCVA	THCV	CBGA	D8-THC	CBG	CBN
%	30.4300	26.7926	26.0745	ND	28.9150	0.7160	ND	ND	ND	ND	0.2670	ND	0.3900	ND	0.1420	ND
mg/g	304.3000	267.9264	260.7446	ND	289.1500	7.1600	ND	ND	ND	ND	2.6700	ND	3.9000	ND	1.4200	ND
LOD	0.1000	0.0001	0.1000	0.1000	0.1000	0.1000	0.1000	0.1000	0.1000	0.1000	0.1000	0.1000	0.1000	0.1000	0.1000	0.1000
LOQ	0.1000	0.0006	0.1000	0.1000	0.1000	0.1000	0.1000	0.1000	0.1000	0.1000	0.1000	0.1000	0.1000	0.1000	0.1000	0.1000
Qualifier	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%

Analyzed by:
1280, 305, 990, 1172

Weight:
0.2123g

Extraction date:
03/25/26 11:47:58

Extracted by:
1280,1425

Analysis Method: SOP.T.30.031, SOP.T.40.031

Analytical Batch: NA026473POT

Instrument Used: NA-HPLC-004 (Potency - Flower)

Analyzed Date: 03/29/26 15:00:05

Batch Date: 03/22/26 16:48:01

Dilution: 400

Reagent: 100724.03; 031626.05; 030725.01; 030626.01; 110325.R03; 110325.R04; 032526.R03; 032526.R04; 021126.R01

Consumables: 010924CK01; 9291.043; 9479291.114; 072425CH02; 04507064; 1008646012; 1008855823; 250406E; 220215E-15; GD250005; 2511221; 339114210

Pipette: NA-221 (P-10); NA-135 (P-200); NA-329 (Step)

Full spectrum cannabinoid analysis utilizing High Performance Liquid Chromatography with UV detection (HPLC-UV). (Method: SOP.T.30.031 for sample prep and Shimadzu High Sensitivity Method SOP.T.40.031 for analysis. LOQ for all cannabinoids is 0.5 mg/L). Total THC = d9THC + (THCA*0.877). Total CBD = CBD + (CBDA*0.877). Total Cannabinoids = Total of all available cannabinoids. THCVa is pending ISO accreditation.



Terpenes

TESTED

ANALYTES	LOD	LOQ	LIMIT	PASS/FAIL	RESULT (%)	(MG/G)	QUALIFIER
TOTAL TERPENES	0.020	0.020		TESTED	1.867	18.670	
BETA-MYRCENE	0.020	0.020		TESTED	0.721	7.210	
LIMONENE	0.020	0.020		TESTED	0.484	4.840	
BETA-CARYOPHYLLENE	0.020	0.020		TESTED	0.240	2.400	

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Margaret Teasdale

Lab Director

State License #
IL281349
ISO 17025
Accreditation # 97164



Signature
03/29/26
Laboratory License #:
IL281349



16 Tech Circle, Suite 201
Natick, MA, 01760, US
(401) 219-1491

Kaycha Labs

M00000029921: Orange Chameleon Finished Flower
Strain: Orange Chameleon
Matrix: Plant Material
Classification: Raw Plant Material
Type: Flower-Cured



Certificate of Analysis

Pages 2 of 5

Berkshire Roots, Inc. - Massachusetts

Sample: NA60319003-005

501A Dalton Ave
Pittsfield, MA, 01201, US
BerkshireRoots.com
License #: MC281590

Batch #: 260129ORCHF301-18e
Seed to sale: 1A40A0300000641000017322

Ordered: 03/19/26
Sampled: 03/19/26
Completed: 03/29/26

PASSED



Terpenes

TESTED

ANALYTES	LOD	LOQ	LIMIT	PASS/FAIL	RESULT (%)	(MG/G)	QUALIFIER
LINALOOL	0.020	0.020		TESTED	0.085	0.850	
ALPHA-HUMULENE	0.020	0.020		TESTED	0.070	0.700	
BETA-PINENE	0.020	0.020		TESTED	0.070	0.700	
GUAIOL	0.020	0.020		TESTED	0.065	0.650	
ALPHA-PINENE	0.020	0.020		TESTED	0.040	0.400	
FENCHYL ALCOHOL	0.020	0.020		TESTED	0.035	0.350	
ALPHA-TERPINEOL	0.020	0.020		TESTED	0.035	0.350	
ALPHA-BISABOLOL	0.020	0.020		TESTED	0.022	0.220	
3-CARENE	0.020	0.020		TESTED	ND	ND	
BORNEOL	0.020	0.020		TESTED	ND	ND	
CAMPHENE	0.020	0.020		TESTED	ND	ND	
CAMPHOR	0.020	0.020		TESTED	ND	ND	
CARYOPHYLLENE OXIDE	0.020	0.020		TESTED	ND	ND	
CEDROL	0.002	0.020		TESTED	ND	ND	
EUCALYPTOL	0.020	0.020		TESTED	ND	ND	
FARNESENE	0.020	0.020		TESTED	ND	ND	
FENCHONE	0.020	0.020		TESTED	ND	ND	
GERANIOL	0.020	0.020		TESTED	ND	ND	
GERANYL ACETATE	0.020	0.020		TESTED	ND	ND	
HEXAHYDROTHYMOL	0.020	0.020		TESTED	ND	ND	
ISOBORNEOL	0.020	0.020		TESTED	ND	ND	
ISOPULEGOL	0.020	0.020		TESTED	ND	ND	
NEROL	0.020	0.020		TESTED	ND	ND	
OCIMENE	0.020	0.020		TESTED	ND	ND	
PULEGONE	0.020	0.020		TESTED	ND	ND	
SABINENE	0.020	0.020		TESTED	ND	ND	
SABINENE HYDRATE	0.020	0.020		TESTED	ND	ND	
TERPINOLENE	0.020	0.020		TESTED	ND	ND	
VALENCENE	0.020	0.020		TESTED	ND	ND	
ALPHA-CEDRENE	0.020	0.020		TESTED	ND	ND	
ALPHA-PHELLANDRENE	0.020	0.020		TESTED	ND	ND	
ALPHA-TERPINENE	0.020	0.020		TESTED	ND	ND	
CIS-NEROLIDOL	0.020	0.020		TESTED	ND	ND	
GAMMA-TERPINENE	0.020	0.020		TESTED	ND	ND	
P-CYMENE	0.020	0.020		TESTED	ND	ND	
TRANS-NEROLIDOL	0.020	0.020		TESTED	ND	ND	

Analyzed by:
990, 1172

Weight:
0.4933g

Extraction date:
03/24/26 16:57:54

Extracted by:
1368,572

Analysis Method : SOP.T.30.064.MA, SOP.T.40.064.MA

Analytical Batch : NA026401TER

Instrument Used : NA-GCMS-004 (Terpenes)

Analyzed Date : 03/29/26 15:02:36

Batch Date : 03/20/26 08:31:41

Dilution : 10

Reagent : 011326.28; 030725.01; 012226.02; 031926.R02

Consumables : 010924CK01; 9291.043; 9479291.043; 250821-634-A; 04507064; IP250.077; 1008855823; 1008897313; GD250005; 339114210

Pipette : NA-014 (P-200); NA-021 (P-20); NA-280 (Dispenser); NA-137 (P-1000)

Terpenoid profile screening is performed using Terpene sample preparation SOP.T.30.064.MA and analyzed using a GC-MS using Method SOP.T.40.064.MA which can screen for 39 terpenes.

*p-cymene is not an accredited analyte.



Pesticide

PASSED

ANALYTES	UNIT	LOD	LOQ	LIMIT	PASS/FAIL	RESULT	QUALIFIER
BIFENTHRIN	ppb	2.240	10.000	10	PASS	ND	

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Margaret Teasdale

Lab Director

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Accreditation # 97164

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Kaycha Labs

M00000029921: Orange Chameleon Finished Flower
Strain: Orange Chameleon
Matrix: Plant Material
Classification: Raw Plant Material
Type: Flower-Cured



Certificate of Analysis

Pages 3 of 5

Berkshire Roots, Inc. - Massachusetts

Sample: NA60319003-005

501A Dalton Ave
Pittsfield, MA, 01201, US
BerkshireRoots.com
License #: MC281590

Batch #: 260129ORCHF301-18e
Seed to sale: 1A40A0300000641000017322

Ordered: 03/19/26
Sampled: 03/19/26
Completed: 03/29/26

PASSED



Pesticide

PASSED

ANALYTES	UNIT	LOD	LOQ	LIMIT	PASS/FAIL	RESULT	QUALIFIER
BIFENAZATE	ppb	2.460	10.000	10	PASS	ND	
ETOXAZOLE	ppb	1.790	10.000	10	PASS	ND	
IMAZALIL	ppb	3.050	10.000	10	PASS	ND	
IMIDACLOPRID	ppb	1.860	10.000	10	PASS	ND	
MYCLOBUTANIL	ppb	2.900	10.000	10	PASS	ND	
SPIROMESIFEN	ppb	2.970	10.000	10	PASS	ND	
TRIFLOXYSTROBIN	ppb	1.560	10.000	10	PASS	ND	
CYFLUTHRIN	ppb	3.750	10.000	10	PASS	ND	

Analyzed by:
139, 990, 1172

Weight:
0.5237g

Extraction date:
03/26/26 10:55:05

Extracted by:
139,88

Analysis Method : SOP.T.40.104.MA
Analytical Batch : NA026440PES
Instrument Used : NA-LCMS-001 (Pesticides)
Analyzed Date : 03/29/26 14:57:33

Batch Date : 03/21/26 12:38:09

Dilution : 12.5

Reagent : 032526.R01; 030725.01; 031226.R13; 032226.R01; 041223.11; 031926.R04; 032126.R02; 032226.R12; 032526.R05; 021826.R01

Consumables : MO00250508054; 9479291.043; 250821-634-A; 1008855823; 1009318600; GD250005; USEEN02615; USEEZ04484

Pipette : NA-202 (P-200); NA-026 (Dispenser); NA-285 (P-20); NA-307 (P-1000)

Pesticide screen is performed using LC-MS and GC-MS which can screen down to below single digit ppb concentrations for regulated Pesticides. Currently we analyze for 9 Pesticides. (Method: SOP.T.40.104.MA - Pesticides and Mycotoxins Analysis via LC-MSMS and SOP.T40.154.MA - Volatile Pesticide Analysis via GC-MSMS).

Analyzed by:
139, 990, 1172

Weight:
0.5237g

Extraction date:
03/26/26 10:55:05

Extracted by:
139,88

Analysis Method : SOP.T.40.154.MA, SOP.T.40.151.MA
Analytical Batch : NA026582VOL
Instrument Used : NA-GCMS-007 (Volatile Pesticide)
Analyzed Date : 03/29/26 18:17:57

Batch Date : 03/26/26 15:49:50

Dilution : 12.5

Reagent : 032526.R01; 030725.01; 031226.R13; 032226.R01; 041223.11; 031926.R04

Consumables : MO00250508054; 9479291.043; 250821-634-A; 1008855823; 1009318600; GD250005

Pipette : NA-202 (P-200); NA-026 (Dispenser); NA-285 (P-20); NA-307 (P-1000)

Testing for agricultural agents is performed utilizing Liquid Chromatography Triple-Quadrupole Mass Spectrometry and Gas Chromatography Triple-Quadrupole Mass Spectrometry in accordance with F.S. Rule 64ER20-39.



Microbial

PASSED

ANALYTES	UNIT	LOD	LOQ	LIMIT	PASS/FAIL	RESULT	QUALIFIER
TOTAL COLIFORMS	cfu/g	10	10	1000	PASS	ND	
TOTAL VIABLE AEROBIC BACTERIA	cfu/g	10	10	100001	PASS	ND	
BILE TOLERANT GRAM NEGATIVE BACTERIA	cfu/g	10	10	1000	PASS	ND	
TOTAL YEAST AND MOLD	cfu/g	100	100	10000	PASS	6300	
ESCHERICHIA COLI SPECIFIC GENE					PASS	Not Present	
SALMONELLA SPECIFIC GENE					PASS	Not Present	

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Margaret Teasdale

Lab Director

State License #
IL281349
ISO 17025
Accreditation # 97164

Signature
03/29/26
Laboratory License #:
IL281349



16 Tech Circle, Suite 201
Natick, MA, 01760, US
(401) 219-1491

Kaycha Labs

M00000029921: Orange Chameleon Finished Flower
Strain: Orange Chameleon
Matrix: Plant Material
Classification: Raw Plant Material
Type: Flower-Cured



Certificate of Analysis

Pages 4 of 5

Berkshire Roots, Inc. - Massachusetts

Sample: NA60319003-005

501A Dalton Ave
Pittsfield, MA, 01201, US
BerkshireRoots.com
License #: MC281590

Batch #: 260129ORCHF301-18e
Seed to sale: 1A40A0300000641000017322

Ordered: 03/19/26
Sampled: 03/19/26
Completed: 03/29/26

PASSED



Microbial

PASSED

ANALYTES	UNIT	LOD	LOQ	LIMIT	PASS/FAIL	RESULT	QUALIFIER
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Analyzed by: 388, 990, 1172	Weight: 0.9678g	Extraction date: 03/21/26 09:44:08	Extracted by: 388,1425
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Analysis Method : SOP.T.40.056C, SOP.T.40.209.MA, SOP.T.40.206.MA

Analytical Batch : NA026394MIC

Instrument Used : NA-PCR-001 (Microbial)

Batch Date : 03/19/26 17:35:37

Analyzed Date : 03/27/26 15:27:33

Dilution : 900

Reagent : N/A

Consumables : 418325156D; 347L99; 8847202-2441; 08/09/22; 601537; 01426011; 250821-634-A; 072425CH02; 377508; 2560608; 29219028; X002BSD8LD; 3110; 540563; 25474; 25/06/27; 0002525; 0002555; 7589001021; WO4586; WO4454; WO4959; 0002056; 0002044; 0002441; 0001425; 0002261; WO5062; WO4316; WO3882; WO4135; 7810003095; 0002302; 0002092; WO5024; WO4768; 0002094; 0002093; 0000652134; 0000652115; 0000630117; 1010667926; 1010204253; 1010792277; 1010818394

Pipette : NA-001 (P-20, micro); NA-008 (P-10, micro); NA-011 (P-1000, Micro); NA-007 (P-200, micro); NA-003 (P-10 multi, micro); NA-006 (P-200, micro); NA-004 (P-100 multi); NA-010 (P-1000, micro); NA-005 (P-200, micro); NA-002 (P-100 multi, micro); NA-164 (P-10, micro); NA-200 (P-300 multi, micro); NA-208 (P-200, micro); NA-208A (P-1000); NA-207 (P-20, micro); NA-206 (P-20, micro); NA-206A (P-200, micro); NA-207A (P-1000, micro); NA-318 (P-1000, micro); NA-331 (p-100 multi-channel, micro); NA-333 micro bottle top dispenser

Microbiological testing for Fungal and Bacterial Identification via Polymerase Chain Reaction (PCR) method consisting of sample DNA amplified via tandem Polymerase Chain Reaction (PCR) as a crude lysate which avoids purification. (Method SOP.T.40.056C.MA) If a pathogenic Escherichia Coli or Salmonella is detected in 1g of a sample, the sample fails the microbiological-impurity testing.



Mycotoxins

PASSED

ANALYTES	UNIT	LOD	LOQ	LIMIT	PASS/FAIL	RESULT	QUALIFIER
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AFLATOXIN B1	ppb	2.010	5.000	20	PASS	ND	
AFLATOXIN B2	ppb	1.955	5.000	20	PASS	ND	
AFLATOXIN G1	ppb	1.823	5.000	20	PASS	ND	
AFLATOXIN G2	ppb	2.100	5.000	20	PASS	ND	
OCHRATOXIN A	ppb	2.194	5.000	20	PASS	ND	
TOTAL AFLATOXINS	ppb	1.820	5.000	20	PASS	ND	

Analyzed by: 139, 990, 1172	Weight: 0.5237g	Extraction date: 03/26/26 10:55:05	Extracted by: 139,88
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Analysis Method : SOP.T.40.104.MA

Analytical Batch : NA026581MYC

Instrument Used : NA-LCMS-001 (MYC)

Batch Date : 03/26/26 15:48:36

Analyzed Date : 03/29/26 14:54:56

Dilution : 12.5

Reagent : 032526.R01; 030725.01; 031226.R13; 032226.R01; 041223.11; 031926.R04; 032126.R02; 032226.R12; 032526.R05; 021826.R01

Consumables : M000250508054; 9479291.043; 250821-634-A; 1008855823; 1009318600; GD250005; USEEN02615; USEEZ04484

Pipette : NA-202 (P-200); NA-026 (Dispenser); NA-285 (P-20); NA-307 (P-1000)

Aflatoxins B1, B2, G1, G2, and Ochratoxins A testing using LC-MS. (Method: SOP.T40.104.MA Pesticides and Mycotoxins Analysis via LC-MS/MS. LOQ 20 ppb). Total Aflatoxins (Aflatoxin B1, B2, G1, G2) must be <20 µg/Kg. Ochratoxins must be <20 µg/Kg.



Water Activity

TESTED

ANALYTES	UNIT	LOD	LOQ	LIMIT	PASS/FAIL	RESULT	QUALIFIER
----------	------	-----	-----	-------	-----------	--------	-----------

WATER ACTIVITY	Aw	0.010	0.100		TESTED	0.487	
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Kaycha Labs

M00000029921: Orange Chameleon Finished Flower
Strain: Orange Chameleon
Matrix: Plant Material
Classification: Raw Plant Material
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Certificate of Analysis

Pages 5 of 5

Berkshire Roots, Inc. - Massachusetts

Sample: NA60319003-005

501A Dalton Ave
Pittsfield, MA, 01201, US
BerkshireRoots.com
License #: MC281590

Batch #: 260129ORCHF301-18e
Seed to sale: 1A40A0300000641000017322

Ordered: 03/19/26
Sampled: 03/19/26
Completed: 03/29/26

PASSED



Water Activity

TESTED

ANALYTES	UNIT	LOD	LOQ	LIMIT	PASS/FAIL	RESULT	QUALIFIER
Analyzed by: 1172, 157	Weight: NA	Extraction date: N/A				Extracted by: 1172	
Analysis Method : SOP.T.40.019 Analytical Batch : NA026400WAT Instrument Used : NA-055 HygroPalm HP23-AW, Rotronic Hygropalm Meter and Probe (NA-287 and NA-288) Batch Date : 03/19/26 17:58:26 Analysis Date : 03/24/26 12:39:37							
Dilution : N/A Reagent : 062325.04 Consumables : GD250004; PS-14 Pipette : N/A							



Moisture Content

TESTED

ANALYTES	UNIT	LOD	LOQ	LIMIT	PASS/FAIL	RESULT	QUALIFIER
MOISTURE CONTENT	%	0.10	1.00		TESTED	7.94	
Analyzed by: 1391, 280, 1172	Weight: 0.509g	Extraction date: 03/26/26 14:21:16				Extracted by: 1391	
Analysis Method : SOP.T.40.021.MA Analytical Batch : NA026399MOI Instrument Used : NA-038 Moisture Analyzer, NA-199 Moisture Analyzer, NA-236 Moisture Analyzer Batch Date : 03/19/26 17:56:01 Analysis Date : 03/28/26 15:54:58							
Dilution : N/A Reagent : 030725.01; 040325.01 Consumables : 3143008424095D00; 1008855823; GD250004 Pipette : NA-013 (P-200)							



Heavy Metals

PASSED

ANALYTES	UNIT	LOD	LOQ	LIMIT	PASS/FAIL	RESULT	QUALIFIER
ARSENIC	ppb	6.720	10.000	200	PASS	<10.000	
CADMIUM	ppb	9.260	10.000	200	PASS	ND	
MERCURY	ppb	3.400	5.000	100	PASS	ND	
LEAD	ppb	8.850	10.000	500	PASS	ND	
Analyzed by: 1391, 990, 1172	Weight: 0.3058g	Extraction date: 03/25/26 08:45:18				Extracted by: 1391, 1473	
Analysis Method : SOP.T.30.084.MA, SOP.T.40.084.MA Analytical Batch : NA026387HEA Instrument Used : NA-ICPMS-001, NA-ICPMS-002, Anton-Paar Microwave Go NA-237, Anton-Paar Microwave Go NA-145 Batch Date : 03/19/26 17:01:16 Analysis Date : 03/27/26 15:07:38							
Dilution : 50 Reagent : 062824.02; 062824.03; 020826.01; 030326.R06; 031526.R12; 101525.02; 110425.01; 030725.01; 022726.02; 040325.01 Consumables : L205125M; 01426011; 329119208; 1008855823; GD250005; 179436 Pipette : NA-012 (P-200); NA-214 Bottle Top Dispenser (nitric acid); NA-125 (5mL); NA-255 (10mL Dispensette, HCL)							

Heavy Metals screening is performed using ICP-MS (Inductively Coupled Plasma - Mass Spectrometer) which can screen down to below single digit ppb concentrations for regulated heavy metals using Method SOP.T.30.084.MA Sample Preparation for Heavy Metals Analysis via ICP-MS and SOP.T.40.084.MA Heavy Metals Analysis via ICP-MS.

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