



Certificate of Analysis

Pages 1 of 5

PASSED



Batch #: 260604DSL202-20a
Production Method: Cured
Servings: 1
Metric Package #:
1A40A0300000641000019934
Metric Source Package #:
1A40A0300000641000019930

Lab ID: NA60618002-021
Ordered: 06/18/26
Sampled Date: 06/18/26
Sample Size: 8 gram
Completed: 06/24/26
Manifest #: 0003311057

Berkshire Roots, Inc. - Massachusetts

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

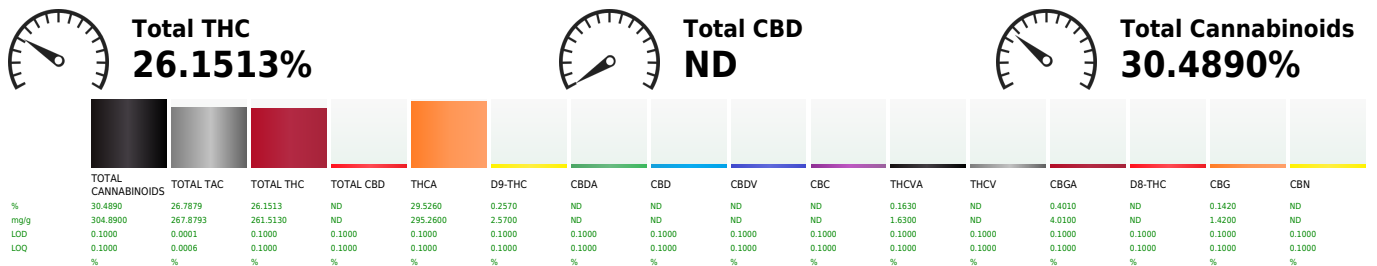


SAFETY RESULTS

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**



Analyzed by: 1280, 1142, 990, 1478 Weight: 0.2022g Extraction date: 06/20/26 11:36:31 Extracted by: 735,1572

Analysis Method: SOP.T.30.031, SOP.T.40.031
Analytical Batch: NA028829POT
Instrument Used: NA-HPLC-004 (Potency - Flower)
Analyzed Date: 06/23/26 18:34:54

Batch Date: 06/19/26 09:29:12

Dilution: 400
Reagent: 061826.13; 093025.03; 050626.02; 042726.R01; 042726.R02; 052726.R12; 061726.R08; 061526.R03
Consumables: 050925CK01; M12424C; 24200382; 120125CH01; 04503049; 1009318699; 1010164353; 250406E; 220215E-15; GD250006; 340056236
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	2.322	23.220	
BETA-MYRCENE	0.020	0.020		TESTED	0.766	7.660	
LIMONENE	0.020	0.020		TESTED	0.548	5.480	
BETA-CARYOPHYLLENE	0.020	0.020		TESTED	0.438	4.380	

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Margaret Teasdale
Lab Director

State License #
IL281349
ISO 17025
Accreditation # 97164


Signature
06/24/26
Laboratory License #:
IL281349



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

Kaycha Labs
M00002077052: D Sailor Finished Flower
Strain: D Sailor
Matrix: Plant Material
Classification: Raw Plant Material
Type: Flower-Cured



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Berkshire Roots, Inc. - Massachusetts

Sample: NA60618002-021

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

Batch #: 260604DSLF202-20a
Seed to sale: 1A40A0300000641000019934

Ordered: 06/18/26
Sampled: 06/18/26
Completed: 06/24/26

PASSED



Terpenes

TESTED

ANALYTES	LOD	LOQ	LIMIT	PASS/FAIL	RESULT (%)	(MG/G)	QUALIFIER
ALPHA-HUMULENE	0.020	0.020		TESTED	0.129	1.290	
BETA-PINENE	0.020	0.020		TESTED	0.090	0.900	
LINALOOL	0.020	0.020		TESTED	0.081	0.810	
ALPHA-BISABOLOL	0.020	0.020		TESTED	0.060	0.600	
ALPHA-PINENE	0.020	0.020		TESTED	0.048	0.480	
FENCHYL ALCOHOL	0.020	0.020		TESTED	0.046	0.460	
ALPHA-TERPINEOL	0.020	0.020		TESTED	0.041	0.410	
FARNESENE	0.020	0.020		TESTED	0.028	0.280	
CARYOPHYLLENE OXIDE	0.020	0.020		TESTED	0.026	0.260	
VALENCENE	0.020	0.020		TESTED	0.021	0.210	
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	
CEDROL	0.002	0.020		TESTED	ND	ND	
EUCALYPTOL	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	
GUAJOL	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	
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, 1478 Weight: 0.5013g Extraction date: 06/21/26 16:39:26 Extracted by: 1583

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

Analytical Batch : NA028827TER

Instrument Used : NA-GCMS-004 (Terpenes)

Analyzed Date : 06/24/26 20:24:36

Batch Date : 06/19/26 08:17:57

Dilution : 10

Reagent : 051226.18; 093025.03; 050526.52; 062126.R02

Consumables : 050925CK01; M12424C; IP250.009; 24200382; 6881027; 04503049; 1010164353; 1009318600; GD250006; 340056236

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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Kaycha Labs
M00002077052: D Sailor Finished Flower
Strain: D Sailor
Matrix: Plant Material
Classification: Raw Plant Material
Type: Flower-Cured



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Sample: NA60618002-021

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

Batch #: 260604DSLF202-20a
Seed to sale: 1A40A0300000641000019934

Ordered: 06/18/26
Sampled: 06/18/26
Completed: 06/24/26

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:
735, 990, 1478

Weight:
0.4974g

Extraction date:
06/21/26 16:17:42

Extracted by:
795

Analysis Method : SOP.T.40.104.MA
Analytical Batch : NA028819PES
Instrument Used : NA-LCMS-003 (Pesticides)
Analyzed Date : 06/23/26 18:33:53

Batch Date : 06/18/26 17:56:34

Dilution : 12.5
Reagent : 062026.R02; 093025.03; 052126.R07; 061826.R02; 041223.11; 053026.R07
Consumables : M12424C; 24200382; 6881027; 1010164353; 1009318600; M00260205038; GD250006
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:
735, 990, 1478

Weight:
0.4974g

Extraction date:
06/21/26 16:17:42

Extracted by:
795

Analysis Method : SOP.T.40.154.MA, SOP.T.40.151.MA
Analytical Batch : NA02882VOL
Instrument Used : NA-GCMS-007 (Volatile Pesticide)
Analyzed Date : 06/23/26 18:26:11

Batch Date : 06/22/26 10:49:04

Dilution : 12.5
Reagent : 062026.R02; 093025.03; 052126.R07; 061826.R02; 041223.11; 053026.R07
Consumables : M12424C; 24200382; 6881027; 1010164353; 1009318600; M00260205038; GD250006
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	260	
ESCHERICHIA COLI SPECIFIC GENE					PASS	Not Present	
SALMONELLA SPECIFIC GENE					PASS	Not Present	

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Sample: NA60618002-021

501A Dalton Ave
Pittsfield, MA, 01201, US
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Batch #: 260604DSLF202-20a
Seed to sale: 1A40A0300000641000019934

Ordered: 06/18/26
Sampled: 06/18/26
Completed: 06/24/26

PASSED

	Microbial	PASSED
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ANALYTES	UNIT	LOD	LOQ	LIMIT	PASS/FAIL	RESULT	QUALIFIER
Analyzed by: 870, 990, 1478	Weight: 0.9146g	Extraction date: 06/19/26 08:35:58				Extracted by: 870,711	
Analysis Method : SOP.T.40.056C, SOP.T.40.209.MA, SOP.T.40.206.MA Analytical Batch : NA028813MIC Instrument Used : NA-PCR-001 (Microbial) Batch Date : 06/18/26 16:13:08 Analysis Date : 06/24/26 20:24:18 Dilution : 900 Reagent : N/A Consumables : 418325238F; 418325156A; 347TRX; 8847202-2441; 08/09/22; PG1727; 601537; DMAX12K25S; 6881027; 120125CH01; 5910915; 15162252609; X002BSD18D; MKDB5713; 540905; 21124; 250909; 0002525; 0002680; 7589003061; 7590001010; WO4870; WO4631; WO5125; 0002284; 0002285; 0002676; 0001425; 0002261; WO5062; WO4316; WO3882; WO4135; 7810004111; 7810004120; 0002506; 0002507; WO5078; WO4883; 0002304; 0002471; 0000659802; 0000659773; 0000658588; 1011196575; 1010204253; 1011015956; 1011151661 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-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-357 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
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ANALYTES	UNIT	LOD	LOQ	LIMIT	PASS/FAIL	RESULT	QUALIFIER
AFLATOXIN B1	ppb	2.010	5.000	20	PASS	ND	
AFLATOXIN B2	ppb	1.960	5.000	20	PASS	ND	
AFLATOXIN G1	ppb	1.820	5.000	20	PASS	ND	
AFLATOXIN G2	ppb	2.100	5.000	20	PASS	ND	
OCHRATOXIN A	ppb	2.190	5.000	20	PASS	ND	
TOTAL AFLATOXINS	ppb	1.820	5.000	20	PASS	ND	
Analyzed by: 735, 990, 1478	Weight: 0.4974g	Extraction date: 06/21/26 16:17:42				Extracted by: 795	
Analysis Method : SOP.T.40.104.MA Analytical Batch : NA028881MYC Instrument Used : NA-LCMS-003 (MYC) Batch Date : 06/22/26 10:48:02 Analysis Date : 06/23/26 18:31:17 Dilution : 12.5 Reagent : 062026.R02; 093025.03; 052126.R07; 061826.R02; 041223.11; 053026.R07 Consumables : M12424C; 24200382; 6881027; 1010164353; 1009318600; M00260205038; GD250006 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
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ANALYTES	UNIT	LOD	LOQ	LIMIT	PASS/FAIL	RESULT	QUALIFIER
WATER ACTIVITY	Aw	0.010	0.100		TESTED	0.551	

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PASSED



Water Activity

TESTED

ANALYTES	UNIT	LOD	LOQ	LIMIT	PASS/FAIL	RESULT	QUALIFIER
Analyzed by: 1571, 990, 1478	Weight: NA	Extraction date: N/A				Extracted by: N/A	
Analysis Method : SOP.T.40.019 Analytical Batch : NA028807WAT Instrument Used : NA-055 HygroPalm HP23-AW, Rotronic Hygropalm Meter and Probe (NA-287 and NA-288) Batch Date : 06/18/26 15:37:57 Analyzed Date : 06/23/26 18:22:16							
Dilution : N/A Reagent : 062325.05 Consumables : GD250006; PS-14 Pipette : N/A							



Moisture Content

TESTED

ANALYTES	UNIT	LOD	LOQ	LIMIT	PASS/FAIL	RESULT	QUALIFIER
MOISTURE CONTENT	%	0.10	1.00		TESTED	8.77	
Analyzed by: 795, 990, 1478	Weight: 0.514g	Extraction date: 06/23/26 14:27:30				Extracted by: 795,1391	
Analysis Method : SOP.T.40.021.MA Analytical Batch : NA028808MOI Instrument Used : NA-038 Moisture Analyzer, NA-199 Moisture Analyzer, NA-236 Moisture Analyzer Batch Date : 06/18/26 15:39:58 Analyzed Date : 06/23/26 18:15:10							
Dilution : N/A Reagent : 093025.03; 032726.01 Consumables : 3143008424095D00; 1010164353; GD250006 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	ND	
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, 157, 1478	Weight: 0.284g	Extraction date: 06/21/26 13:41:55				Extracted by: 1391	
Analysis Method : SOP.T.30.084.MA, SOP.T.40.084.MA Analytical Batch : NA028814HEA Instrument Used : NA-ICPMS-001, NA-ICPMS-002, NA-340 Multiwave 7301 Digester Batch Date : 06/18/26 16:21:08 Analyzed Date : 06/23/26 10:39:00							
Dilution : 50 Reagent : 052626.09; 052626.10; 022526.30; 060226.R08; 060226.R05; 022426.09; 070224.01; 093025.03; 042626.08; 032726.01 Consumables : DMAX12K25S; DMAX18I25S; 1010164353; GD250006; 0002240390 Pipette : NA-012 (P-200); NA-125 (5mL); NA-362 (5 mL Bottle Top Dispenser, Nitric Acid); NA-363 (5 mL Bottle Top Dispenser, Water, HEA)							

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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