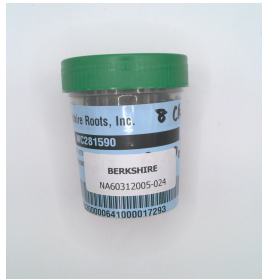




Certificate of Analysis

Pages 1 of 5

PASSED



Batch #: 260129CKF2-37d
Production Method: Cured
Servings: 1
Metric Package #:
1A40A0300000641000017293
Metric Source Package #:
1A40A0300000641000017288

Lab ID: NA60312005-024
Ordered: 03/12/26
Sampled Date: 03/12/26
Sample Size: 8 gram
Completed: 03/20/26
Manifest #: 0003204217

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
22.7720%



Total CBD
ND



Total Cannabinoids
26.5520%

	TOTAL CANNABINOIDS	TOTAL TAC	TOTAL THC	TOTAL CBD	THCA	D9-THC	CBDA	CBD	CBDV	CBC	THCVA	THCV	CBGA	D8-THC	CBG	CBN
%	26.5520	23.4175	22.7720	ND	24.7480	1.0680	ND	ND	ND	ND	ND	ND	0.7360	ND	ND	ND
mg/g	265.5200	234.1747	227.7200	ND	247.4800	10.6800	ND	ND	ND	ND	ND	ND	7.3600	ND	ND	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:
735, 305, 990, 1172

Weight:
0.2176g

Extraction date:
03/17/26 15:23:00

Extracted by:
1280

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

Analytical Batch: NA026278POT

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

Analyzed Date: 03/20/26 10:53:03

Batch Date: 03/15/26 10:59:38

Dilution: 400

Reagent: 100724.03; 031626.14; 030725.01; 022526.01; 110325.R03; 110325.R04; 031126.R02; 031726.R02; 021126.R01

Consumables: 010924CK01; 9479291.114; 111924CH01; 04507064; 1008646012; 1008855823; 250406E; 220215E-15; GD250004; 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	3.761	37.610	
BETA-MYRCENE	0.020	0.020		TESTED	1.640	16.400	
TERPINOLENE	0.020	0.020		TESTED	0.684	6.840	
ALPHA-PINENE	0.020	0.020		TESTED	0.524	5.240	

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Margaret Teasdale

Lab Director

State License #
IL281349
ISO 17025
Accreditation # 97164

Signature
03/20/26
Laboratory License #:
IL281349



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

Kaycha Labs

M00000029931: Congolese Kush Finished Flower
Strain: Congolese Kush
Matrix: Plant Material
Classification: Raw Plant Material
Type: Flower-Cured



Certificate of Analysis

Pages 2 of 5

Berkshire Roots, Inc. - Massachusetts

Sample: NA60312005-024

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

Batch #: 260129CKF2-37d
Seed to sale: 1A40A0300000641000017293

Ordered: 03/12/26
Sampled: 03/12/26
Completed: 03/20/26

PASSED



Terpenes

TESTED

ANALYTES	LOD	LOQ	LIMIT	PASS/FAIL	RESULT (%)	(MG/G)	QUALIFIER
BETA-PINENE	0.020	0.020	TESTED	0.194	1.940		
OCIMENE	0.020	0.020	TESTED	0.187	1.870		
LIMONENE	0.020	0.020	TESTED	0.162	1.620		
BETA-CARYOPHYLLENE	0.020	0.020	TESTED	0.068	0.680		
LINALOOL	0.020	0.020	TESTED	0.059	0.590		
FARNESENE	0.020	0.020	TESTED	0.041	0.410		
ALPHA-TERPINEOL	0.020	0.020	TESTED	0.036	0.360		
ALPHA-PHELLANDRENE	0.020	0.020	TESTED	0.032	0.320		
3-CARENE	0.020	0.020	TESTED	0.029	0.290		
ALPHA-BISABOOL	0.020	0.020	TESTED	0.029	0.290		
ALPHA-HUMULENE	0.020	0.020	TESTED	0.028	0.280		
ALPHA-TERPINENE	0.020	0.020	TESTED	0.025	0.250		
FENCHYL ALCOHOL	0.020	0.020	TESTED	0.023	0.230		
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		
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		
GUAIOL	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		
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		
VALENCENE	0.020	0.020	TESTED	ND	ND		
ALPHA-CEDRENE	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:
623, 990, 1172

Weight:
0.4908g

Extraction date:
03/17/26 11:23:22

Extracted by:
1142,623

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

Analytical Batch : NA026188TER

Instrument Used : NA-GCMS-008 (Terpenes)

Analyzed Date : 03/19/26 23:00:25

Batch Date : 03/13/26 11:07:23

Dilution : 10

Reagent : 011326.25; 030725.01; 012226.02; 030426.R20

Consumables : 010924CK01; 9291.043; 9479291.114; 250821-634-A; 04507064; IP250.077; 1008855823; 1008897313; GD250004; 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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ISO 17025
Accreditation # 97164

Signature
03/20/26
Laboratory License #:
IL281349



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(401) 219-1491

Kaycha Labs

M00000029931: Congolese Kush Finished Flower
Strain: Congolese Kush
Matrix: Plant Material
Classification: Raw Plant Material
Type: Flower-Cured



Certificate of Analysis

Pages 3 of 5

Berkshire Roots, Inc. - Massachusetts

Sample: NA60312005-024

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

Batch #: 260129CKF2-37d
Seed to sale: 1A40A0300000641000017293

Ordered: 03/12/26
Sampled: 03/12/26
Completed: 03/20/26

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:
0.4643g

Extraction date:
03/18/26 12:58:30

Extracted by:
139,795

Analysis Method : SOP.T.40.104.MA
Analytical Batch : NA026211PES
Instrument Used : NA-LCMS-003 (Pesticides)
Analyzed Date : 03/20/26 11:25:26

Batch Date : 03/13/26 14:03:08

Dilution : 12.5

Reagent : 031526.R20; 030725.01; 031226.R13; 031526.R01; 041223.11; 030926.R14; 031326.R02; 030126.R06; 031426.R11; 021626.R01

Consumables : MO00250508054; 9479291.114; 250821-634-A; 1008855823; 1008897313; GD250004; USEEN02615; USEEZ04491

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, 1172

Weight:
0.4643g

Extraction date:
03/18/26 12:58:30

Extracted by:
139,795

Analysis Method : SOP.T.40.154.MA, SOP.T.40.151.MA
Analytical Batch : NA026354VOL
Instrument Used : NA-GCMS-007 (Volatile Pesticide)
Analyzed Date : 03/20/26 11:15:41

Batch Date : 03/18/26 15:59:08

Dilution : 12.5

Reagent : 031526.R20; 030725.01; 031226.R13; 031526.R01; 041223.11; 030926.R14

Consumables : MO00250508054; 9479291.114; 250821-634-A; 1008855823; 1008897313; GD250004

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	<100	
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
03/20/26

Laboratory License #:
IL281349



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

Kaycha Labs

.....
M00000029931: Congolese Kush Finished Flower
Strain: Congolese Kush
Matrix: Plant Material
Classification: Raw Plant Material
Type: Flower-Cured



Certificate of Analysis

Pages 4 of 5

Berkshire Roots, Inc. - Massachusetts

Sample: NA60312005-024

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

Batch #: 260129CKF2-37d
Seed to sale: 1A40A0300000641000017293

Ordered: 03/12/26
Sampled: 03/12/26
Completed: 03/20/26

PASSED



Microbial

PASSED

ANALYTES	UNIT	LOD	LOQ	LIMIT	PASS/FAIL	RESULT	QUALIFIER
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Analyzed by: 870, 157, 1172	Weight: 0.901g	Extraction date: 03/13/26 11:16:54	Extracted by: 711
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Analysis Method : SOP.T.40.056C, SOP.T.40.209.MA, SOP.T.40.206.MA

Analytical Batch : NA026180MIC

Instrument Used : NA-PCR-001 (Microbial)

Batch Date : 03/12/26 18:13:30

Analyzed Date : 03/18/26 09:30:01

Dilution : N/A

Reagent : N/A

Consumables : 418325156D; 8847202-2441; 2401051; 08/09/22; PG1727; 601537; 01426011; 250821-634-A; 111924CH01; 021506; 377508; 2560608; 15162252609; 29219028; X002BSDL8D; 3110; 540563; 25494; 25/06/27; 0002525; 0002555; 7588003025; 7589001006; WO4755; WO4454; WO4997; 0002056; 0002044; 0002441; 0002430; 0002261; 2490; WO4316; WO3882; WO4135; 7810003099; 0002302; 0001989; 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-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-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	1.960	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: 139, 990, 1172	Weight: 0.4643g	Extraction date: 03/18/26 12:58:30	Extracted by: 139,795
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Analysis Method : SOP.T.40.104.MA

Analytical Batch : NA026353MYC

Instrument Used : NA-LCMS-003 (MYC)

Batch Date : 03/18/26 15:57:56

Analyzed Date : 03/20/26 11:20:35

Dilution : 12.5

Reagent : 031526.R20; 030725.01; 031226.R13; 031526.R01; 041223.11; 030926.R14; 031326.R02; 030126.R06; 031426.R11; 021626.R01

Consumables : MO00250508054; 9479291.114; 250821-634-A; 1008855823; 1008897313; GD250004; USEEN02615; USEEZ04491

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	0.506	
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Margaret Teasdale

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03/20/26
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Kaycha Labs

M00000029931: Congolese Kush Finished Flower
Strain: Congolese Kush
Matrix: Plant Material
Classification: Raw Plant Material
Type: Flower-Cured



Certificate of Analysis

Pages 5 of 5

Berkshire Roots, Inc. - Massachusetts

Sample: NA60312005-024

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

Batch #: 260129CKF2-37d
Seed to sale: 1A40A0300000641000017293

Ordered: 03/12/26
Sampled: 03/12/26
Completed: 03/20/26

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 : NA026172WAT Instrument Used : NA-055 HygroPalm HP23-AW, Rotronic Hygropalm Meter and Probe (NA-287 and NA-288) Batch Date : 03/12/26 16:40:45 Analyzed Date : 03/17/26 10:46:25							
Dilution : N/A Reagent : N/A 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	9.73	
Analyzed by: 1391, 990, 1172	Weight: 0.514g	Extraction date: 03/17/26 17:56:12				Extracted by: 1391	
Analysis Method : SOP.T.40.021.MA Analytical Batch : NA026173MOI Instrument Used : NA-038 Moisture Analyzer, NA-199 Moisture Analyzer, NA-236 Moisture Analyzer Batch Date : 03/12/26 16:45:00 Analyzed Date : 03/18/26 01:17:29							
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	18.837	
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: 0.302g	Extraction date: 03/17/26 10:58:07				Extracted by: 1391, 1473	
Analysis Method : SOP.T.30.084.MA, SOP.T.40.084.MA Analytical Batch : NA026177HEA Instrument Used : NA-ICPMS-001, NA-ICPMS-002, NA-340 Multiwave 7301 Digester Batch Date : 03/12/26 17:32:20 Analyzed Date : 03/19/26 10:39:04							
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; GD250004; 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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Lab Director

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03/20/26
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