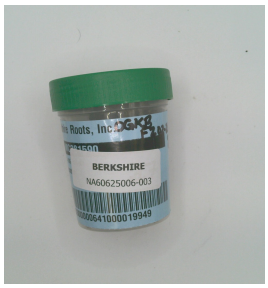
16 Tech Circle, Suite 201
Natick, MA, 01760, US
(401) 219-1491

Kaycha Labs

M00000029930: OGKB 2.0 bx Finished Flower
Strain: OGKB 2.0 bx
Matrix: Plant Material
Classification: Raw Plant Material
Type: Flower-Cured

Certificate of Analysis

PASSED



Batch #: 260603OGKBF202-20a
Production Method: Cured
Servings: 1
Metrc Package #:
1A40A0300000641000019949
Metrc Source Package # :
1A40A0300000641000019943

Lab ID: NA60625006-003
Ordered: 06/25/26
Sampled Date: 06/25/26
Sample Size: 8 gram
Completed: 07/01/26
Manifest #: 0003313692

Berkshire Roots, Inc. - Massachusetts
501A Dalton Ave
Pittsfield, MA, 01201, US
BerkshireRoots.com
License # : MC281590

SAFETY RESULTS **MISC.**

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

Cannabinoid — PASSED

Total THC
24.4846%

Total CBD
ND

Total Cannabinoids
29.2660%

	TOTAL CANNABINOIDS	TOTAL TAC	TOTAL THC	TOTAL CBD	THCA	D9-THC	CBDA	CBD	CBDV	CBC	THCVA	THCV	CBGA	D8-THC	CBG	CBN
%	29.2660	25.7037	24.4846	ND	27.5720	0.3040	ND	ND	ND	ND	0.1630	ND	1.2270	ND	ND	ND
mg/g	292.6600	257.0367	244.8464	ND	275.7200	3.0400	ND	ND	ND	ND	1.6300	ND	12.2700	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:
1280, 1142, 990, 1172

Weight:
0.201g

Extraction date:
06/27/26 19:21:43

Extracted by:
1280,1572

Analysis Method : SOP.T.30.031, SOP.T.40.031
Analytical Batch : NA029000POT
Instrument Used : NA-HPLC-003 (Potency - Flower)
Batch Date : 06/25/26 17:42:46
Analyzed Date : 06/29/26 22:14:56

Dilution : 400
Reagent : 061826.20; 093025.03; 050626.02; 042726.R01; 042726.R02; 060126.R01; 062326.R12; 061526.R03
Consumables : 050925CK01; M12424C; 24200382; 120125CH01; 04504082; 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	2.261	22.610	
BETA-MYRCENE	0.020	0.020		TESTED	0.615	6.150	
BETA-CARYOPHYLLENE	0.020	0.020		TESTED	0.453	4.530	
LIMONENE	0.020	0.020		TESTED	0.430	4.300	

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Margaret Teasdale
Lab Director

State License # IL281349
ISO 17025
Accreditation # 97164

Signature
07/01/26
Laboratory License #: IL281349

kaycha LABS
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Kaycha Labs

M00000029930: OGKB 2.0 bx Finished Flower
Strain: OGKB 2.0 bx
Matrix: Plant Material
Classification: Raw Plant Material
Type: Flower-Cured

Certificate of Analysis

Berkshire Roots, Inc. - Massachusetts
501A Dalton Ave
Pittsfield, MA, 01201, US
BerkshireRoots.com
License # : MC281590

Sample: NA60625006-003
Batch #: 260603OGKBF202-20a
Seed to sale: 1A40A0300000641000019949

Ordered: 06/25/26
Sampled: 06/25/26
Completed: 07/01/26

PASSED

Terpenes

TESTED

ANALYTES	LOD	LOQ	LIMIT	PASS/FAIL	RESULT (%)	(MG/G)	QUALIFIER
ALPHA-HUMULENE	0.020	0.020		TESTED	0.236	2.360	
LINALOOL	0.020	0.020		TESTED	0.130	1.300	
BETA-PINENE	0.020	0.020		TESTED	0.087	0.870	
ALPHA-BISABOLOL	0.020	0.020		TESTED	0.068	0.680	
ALPHA-PINENE	0.020	0.020		TESTED	0.052	0.520	
FENCHYL ALCOHOL	0.020	0.020		TESTED	0.048	0.480	
ALPHA-TERPINEOL	0.020	0.020		TESTED	0.044	0.440	
FARNESENE	0.020	0.020		TESTED	0.026	0.260	
VALENCENE	0.020	0.020		TESTED	0.025	0.250	
CARYOPHYLLENE OXIDE	0.020	0.020		TESTED	0.024	0.240	
CAMPHENE	0.020	0.020		TESTED	0.023	0.230	
3-CARENE	0.020	0.020		TESTED	ND	ND	
BORNEOL	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	
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	
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: 1583, 990, 1172
Weight: 0.5635g
Extraction date: 06/27/26 13:35:37
Extracted by: 1241,1583

Analysis Method : SOP.T.30.064.MA, SOP.T.40.064.MA
Analytical Batch : NA029018TER
Instrument Used : NA-GCMS-002 (Terpenes)
Analyzed Date : 06/30/26 13:42:23
Batch Date : 06/26/26 12:38:38

Dilution : 10
Reagent : 062326.10; 093025.03; 030526.04; 062126.R02
Consumables : 050925CK01; 947.114; 24200382; 1530416; 04504082; 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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Margaret Teasdale
Lab Director

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ISO 17025 Accreditation # 97164

Signature
07/01/26
Laboratory License #: IL281349

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(401) 219-1491

Kaycha Labs

M00000029930: OGKB 2.0 bx Finished Flower
Strain: OGKB 2.0 bx
Matrix: Plant Material
Classification: Raw Plant Material
Type: Flower-Cured

Certificate of Analysis

Berkshire Roots, Inc. - Massachusetts
501A Dalton Ave
Pittsfield, MA, 01201, US
BerkshireRoots.com
License # : MC281590

Sample: NA60625006-003
Batch #: 260603OGKBF202-20a
Seed to sale: 1A40A0300000641000019949

Ordered: 06/25/26
Sampled: 06/25/26
Completed: 07/01/26

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: 990, 735, 1172
Weight: 0.4652g
Extraction date: 06/29/26 12:19:53
Extracted by: 735,795

Analysis Method : SOP.T.40.104.MA
Analytical Batch : NA029008PES
Instrument Used : NA-LCMS-003 (Pesticides)
Analyzed Date : 07/01/26 17:35:27
Batch Date : 06/26/26 09:57:32

Dilution : 12.5
Reagent : 062826.R01; 093025.03; 052126.R07; 062526.R03; 041223.11; 062326.R16
Consumables : N05045C; 24200382; 1530416; 1010164353; 1009318600; MO0260424010; 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 vis GC-MSMS).

Analyzed by: 990, 735, 1172
Weight: 0.4652g
Extraction date: 06/29/26 12:19:53
Extracted by: 735,795

Analysis Method : SOP.T.40.154.MA, SOP.T.40.151.MA
Analytical Batch : NA029079VOL
Instrument Used : NA-GCMS-007 (Volatile Pesticide)
Analyzed Date : 07/01/26 17:36:14
Batch Date : 06/29/26 16:01:33

Dilution : 12.5
Reagent : 062826.R01; 093025.03; 052126.R07; 062526.R03; 041223.11; 062326.R16
Consumables : N05045C; 24200382; 1530416; 1010164353; 1009318600; MO0260424010; 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	8700	
ESCHERICHIA COLI SPECIFIC GENE	pass/fail	2000	2000	2000	PASS	Not Present	
SALMONELLA SPECIFIC GENE	RFU	10000	10000	10000	PASS	Not Present	

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Margaret Teasdale
Lab Director

State License # IL281349
ISO 17025 Accreditation # 97164

Signature
07/01/26
Laboratory License #: IL281349

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

Kaycha Labs

M00000029930: OGKB 2.0 bx Finished Flower
Strain: OGKB 2.0 bx
Matrix: Plant Material
Classification: Raw Plant Material
Type: Flower-Cured

Certificate of Analysis

Berkshire Roots, Inc. - Massachusetts
501A Dalton Ave
Pittsfield, MA, 01201, US
BerkshireRoots.com
License # : MC281590

Sample: NA60625006-003
Batch #: 260603OGKBF202-20a
Seed to sale: 1A40A0300000641000019949

Ordered: 06/25/26
Sampled: 06/25/26
Completed: 07/01/26

PASSED

Microbial

PASSED

ANALYTES	UNIT	LOD	LOQ	LIMIT	PASS/FAIL	RESULT	QUALIFIER

Analyzed by: 711, 990, 1172
Weight: 0.888g
Extraction date: 06/26/26 12:35:16
Extracted by: 870,388

Analysis Method : SOP.T.40.056C, SOP.T.40.209.MA, SOP.T.40.206.MA
Analytical Batch : NA028986MIC
Instrument Used : NA-PCR-001 (Microbial)
Batch Date : 06/25/26 15:28:16
Analyzed Date : 06/29/26 21:27:53

Dilution : 900
Reagent : 062126.R04; 050526.R09; 062726.R14; 032026.12; 060326.10
Consumables : 418325143A; 8847202-2441; 20220615; 08/09/22; PG1727; 601537; DMAX12K25S; 1530416; 120125CH01; 024603; 378508; 5910915; 15162252609; X002BSDL8D; MKDB5713; 260126001; 21124; 250909; 0002525; 0002680; 7589003062; WO4814; WO4631; WO5125; 0002284; 0002285; 0002676; 0001425; 0002261; WO5062; 7812001002; 0002506; 0002092; WO5024; 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-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-331 (p-100 multi-channel, micro); NA-332 micro bottle top dispenser; NA-333 micro bottle top dispenser; NA-355 micro bottle top dispenser; NA-356 micro bottle top dispenser; 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

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, 1172
Weight: 0.4652g
Extraction date: 06/29/26 12:19:53
Extracted by: 735,795

Analysis Method : SOP.T.40.104.MA
Analytical Batch : NA029078MYC
Instrument Used : NA-LCMS-003 (MYC)
Batch Date : 06/29/26 16:00:41
Analyzed Date : 07/01/26 17:34:29

Dilution : 12.5
Reagent : 062826.R01; 093025.03; 052126.R07; 062526.R03; 041223.11; 062326.R16
Consumables : N05045C; 24200382; 1530416; 1010164353; 1009318600; MO0260424010; 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

ANALYTES	UNIT	LOD	LOQ	LIMIT	PASS/FAIL	RESULT	QUALIFIER
WATER ACTIVITY	Aw	0.010	0.100		TESTED	0.536	

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Lab Director

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Laboratory License #: IL281349

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Certificate of Analysis

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

Sample: NA60625006-003
Batch #: 260603OGKBF202-20a
Seed to sale: 1A40A0300000641000019949

Ordered: 06/25/26
Sampled: 06/25/26
Completed: 07/01/26

PASSED

Water Activity — TESTED

ANALYTES	UNIT	LOD	LOQ	LIMIT	PASS/FAIL	RESULT	QUALIFIER

Analyzed by: 1241, 990, 1172 | **Weight:** NA | **Extraction date:** N/A | **Extracted by:** N/A

Analysis Method : SOP.T.40.019
Analytical Batch : NA029096WAT
Instrument Used : Rotronic Hygropalm Meter and Probe (NA-287 and NA-288)
Batch Date : 06/30/26 14:06:26
Analyzed Date : 07/01/26 17:38:00

Dilution : N/A
Reagent : N/A
Consumables : N/A
Pipette : N/A

Moisture Content — TESTED

ANALYTES	UNIT	LOD	LOQ	LIMIT	PASS/FAIL	RESULT	QUALIFIER
MOISTURE CONTENT	%	0.10	1.00		TESTED	9.58	

Analyzed by: 1391, 990, 1172 | **Weight:** 0.501g | **Extraction date:** 06/29/26 12:45:59 | **Extracted by:** 1391

Analysis Method : SOP.T.40.021.MA
Analytical Batch : NA028980MOI
Instrument Used : NA-038 Moisture Analyzer,NA-199 Moisture Analyzer,NA-236 Moisture Analyzer
Batch Date : 06/25/26 12:51:01
Analyzed Date : 06/29/26 16:40:10

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	<10.000	
CADMIUM	ppb	9.260	10.000	200	PASS	<10.000	
MERCURY	ppb	3.400	5.000	100	PASS	ND	
LEAD	ppb	8.850	10.000	500	PASS	ND	

Analyzed by: 1391, 990, 1172 | **Weight:** 0.3182g | **Extraction date:** 06/27/26 14:49:26 | **Extracted by:** 1391,1546

Analysis Method : SOP.T.30.084.MA, SOP.T.40.084.MA
Analytical Batch : NA028989HEA
Instrument Used : NA-ICPMS-001,NA-ICPMS-002,NA-340 Multiwave 7301 Digester
Batch Date : 06/25/26 16:15:16
Analyzed Date : 06/29/26 22:17:01

Dilution : 50
Reagent : 052626.09; 052626.10; 022526.30; 060226.R08; 061726.R01; 022426.09; 070224.01; 093025.03; 042626.07; 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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Signature
07/01/26
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