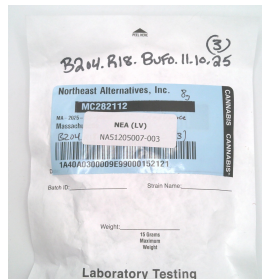




Certificate of Analysis

Pages 1 of 5

PASSED



Batch #: B204.R18.BUFO.11.10.25 (3)
Production Method: Cured
Servings: 1
Metric Package #:
1A40A0300009E99000152121
Metric Source Package #:
1A40A0300009E99000152091

Lab ID: NA51205007-003
Ordered: 12/05/25
Sampled Date: 12/05/25
Sample Size: 8 gram
Completed: 12/17/25
Manifest #: 0003109034

Northeast Alternatives - Massachusetts

310A Kenneth Welch Dr.
Lakeville, MA, 02347, US
License #: MC282112

SAFETY RESULTS

MISC.

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



Cannabinoid

PASSED



Total THC
31.6147%



Total CBD
ND



Total Cannabinoids
37.1392%

	TOTAL CANNABINOIDS	TOTAL TAC	TOTAL THC	TOTAL CBD	THCA	D9-THC	CBDA	CBD	CBDV	CBC	THCVA	THCV	CBGA	D8-THC	CBN	CBG
%	37.1392	32.6568	31.6147	ND	35.5630	0.4259	0.1061	ND	ND	0.1625	0.2235	ND	0.5498	ND	ND	0.1085
mg/g	371.3924	326.5683	316.1467	ND	355.6299	4.2593	1.0609	ND	ND	1.6249	2.2345	ND	5.4983	ND	ND	1.0846
LOQ	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	0.0010	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:
990, 1172

Weight:
0.2021g

Extraction date:
12/09/25 11:39:02

Extracted by:
1280,1425

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

Analytical Batch: NA023518POT

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

Analyzed Date: 12/17/25 14:32:22

Batch Date: 12/05/25 16:54:08

Dilution: 400

Reagent: 100724.02; 120525.13; 030725.01; 111325.05; 110325.R03; 110325.R04; 112525.R02; 120525.R03; 120125.R02

Consumables: 010924CK01; 9291.023; 9479291.023; 070125CH01; 04503049; 1008646012; 1008855823; 210118R; 220215E-15; GD25001; 2508041; 331090163

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	1.188	11.880	
BETA-MYRCENE	0.020	0.020		TESTED	0.322	3.220	
LIMONENE	0.020	0.020		TESTED	0.316	3.160	
LINALOOL	0.020	0.020		TESTED	0.151	1.510	
BETA-CARYOPHYLLENE	0.020	0.020		TESTED	0.141	1.410	

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Margaret Teasdale

Lab Director

State License #
IL281349
ISO 17025
Accreditation # 97164

Signature
12/17/25
Laboratory License #:
IL281349



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

Kaycha Labs
M00004032140: Tops - Bulk - Bufo - Hybrid - NEA Premium
Strain: Bufo
Matrix: Plant Material
Classification: Raw Plant Material
Type: Flower-Cured



Certificate of Analysis

Pages 2 of 5

Northeast Alternatives - Massachusetts Sample: NA51205007-003

310A Kenneth Welch Dr.
Lakeville, MA, 02347, US
License #: MC282112

Batch #: B204.R18.BUFO.11.10.25 (3)
Seed to sale: 1A40A0300009E99000152121

Ordered: 12/05/25
Sampled: 12/05/25
Completed: 12/17/25

PASSED



Terpenes

TESTED

ANALYTES	LOD	LOQ	LIMIT	PASS/FAIL	RESULT (%)	(MG/G)	QUALIFIER
BETA-PINENE	0.020	0.020		TESTED	0.061	0.610	
ALPHA-HUMULENE	0.020	0.020		TESTED	0.043	0.430	
FENCHYL ALCOHOL	0.020	0.020		TESTED	0.034	0.340	
FARNESENE	0.020	0.020		TESTED	0.033	0.330	
ALPHA-PINENE	0.020	0.020		TESTED	0.033	0.330	
ALPHA-TERPINEOL	0.020	0.020		TESTED	0.032	0.320	
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	
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	
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:
623, 990, 1172

Weight:
0.5034g

Extraction date:
12/09/25 13:16:12

Extracted by:
1426,623

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

Analytical Batch : NA023544TER

Instrument Used : NA-GCMS-004 (Terpenes)

Analyzed Date : 12/13/25 16:58:26

Batch Date : 12/06/25 08:31:34

Dilution : 10

Reagent : 102925.11; 030725.01; 111925.09; 121025.R02

Consumables : 010924CK01; 9291.023; 9479291.023; 250208-634-A; 04504082; 8000059078; 1008855823; 1008897313; GD25001; 331090163

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	
BIFENAZATE	ppb	2.460	10.000	10	PASS	ND	

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Margaret Teasdale

Lab Director

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ISO 17025
Accreditation # 97164

Signature
12/17/25
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(401) 219-1491

Kaycha Labs
M00004032140: Tops - Bulk - Bufo - Hybrid - NEA Premium
Strain: Bufo
Matrix: Plant Material
Classification: Raw Plant Material
Type: Flower-Cured



Certificate of Analysis

Pages 3 of 5

Northeast Alternatives - Massachusetts Sample: NA51205007-003

310A Kenneth Welch Dr.
Lakeville, MA, 02347, US
License # : MC282112

Batch #: B204.R18.BUFO.11.10.25 (3)
Seed to sale: 1A40A0300009E99000152121

Ordered: 12/05/25
Sampled: 12/05/25
Completed: 12/17/25

PASSED

Pesticide

PASSED

ANALYTES	UNIT	LOD	LOQ	LIMIT	PASS/FAIL	RESULT	QUALIFIER
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: 414, 990, 1172	Weight: 0.4819g	Extraction date: 12/09/25 16:21:35	Extracted by: 1241,1392
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Analysis Method : SOP.T.40.104.MA
Analytical Batch : NA023554PES
Instrument Used : NA-LCMS-001 (Pesticides)
Batch Date : 12/06/25 19:48:33
Analyzed Date : 12/13/25 17:02:10

Dilution : 12.5
Reagent : 121025.R04; 030725.01; 120125.R03; 120425.R03; 060922.01; 120625.R01
Consumables : MO0250110042; 9291.023; 9479291.023; 250208-634-A; 1008646012; 1008855823; 1008897313; GD25001
Pipette : NA-015 (P-10); NA-012 (P-200); NA-137 (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: 414, 1172	Weight: 0.4819g	Extraction date: 12/09/25 16:21:35	Extracted by: 1241,1392
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Analysis Method : SOP.T.40.154.MA, SOP.T.40.151.MA
Analytical Batch : NA023655VOL
Instrument Used : NA-GCMS-001 (Volatile Pesticides)
Batch Date : 12/11/25 10:03:03
Analyzed Date : 12/12/25 09:34:11

Dilution : 12.5
Reagent : 121025.R04; 030725.01; 120125.R03; 120425.R03; 060922.01; 120625.R01
Consumables : MO0250110042; 9291.023; 9479291.023; 250208-634-A; 1008646012; 1008855823; 1008897313; GD25001
Pipette : NA-015 (P-10); NA-012 (P-200); NA-137 (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	100000	PASS	ND	
BILE TOLERANT GRAM NEGATIVE BACTERIA	cfu/g	10	10	1000	PASS	ND	
TOTAL YEAST AND MOLD	cfu/g	100	100	10000	PASS	1250	
ESCHERICHIA COLI SPECIFIC GENE					PASS	Not Present	
SALMONELLA SPECIFIC GENE					PASS	Not Present	

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Margaret Teasdale
Lab Director

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ISO 17025
Accreditation # 97164

Signature
12/17/25
Laboratory License #:
IL281349



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

Kaycha Labs

M00004032140: Tops - Bulk - Bufo - Hybrid - NEA Premium
Strain: Bufo
Matrix: Plant Material
Classification: Raw Plant Material
Type: Flower-Cured



Certificate of Analysis

Pages 4 of 5

Northeast Alternatives - Massachusetts Sample: NA51205007-003

310A Kenneth Welch Dr.
Lakeville, MA, 02347, US
License #: MC282112

Batch #: B204.R18.BUFO.11.10.25 (3)
Seed to sale: 1A40A0300009E99000152121

Ordered: 12/05/25
Sampled: 12/05/25
Completed: 12/17/25

PASSED



Microbial

PASSED

ANALYTES	UNIT	LOD	LOQ	LIMIT	PASS/FAIL	RESULT	QUALIFIER
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Analyzed by: 711, 990, 1172	Weight: 1.1754g	Extraction date: 12/06/25 16:22:51	Extracted by: 711,1352
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Analysis Method : SOP.T.40.056C, SOP.T.40.209.MA, SOP.T.40.206.MA

Analytical Batch : NA023533MIC

Instrument Used : NA-PCR-001 (Microbial)

Analyzed Date : 12/17/25 14:29:40

Batch Date : 12/05/25 21:57:15

Dilution : 900

Reagent : 101725.R04; 102125.06; 051724.05; 111725.09; 110325.13

Consumables : 418325095D; 8847202-2441; 2401051; 08/09/22; PG1727; 13175; P7623038; 070125CH01; 020506; 364502; 0820226; 50RWM0911W83; X002BSDL8D; 3110; 446447; 25104; 25/06/27; 0002276; 0002354; 7585004065; WO4544; WO4067; WO4813; 0002056; 0002044; 0002176; 0001315; 0002057; 0002491; 7811001019; 0002078; 0001763; WO4769; WO4669; 0001317; 0001992; 0000630072; 0000581319; 0000581413; 1009944804; 1010204253; 1010571396; 1010314389; BEL-13166-0001

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-234 bottle top dispenser; NA-331 (p-100 multi-channel, micro)

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: 414, 990, 1172	Weight: 0.4819g	Extraction date: 12/09/25 16:21:35	Extracted by: 1241,1392
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Analysis Method : SOP.T.40.104.MA

Analytical Batch : NA023654MYC

Instrument Used : NA-LCMS-001 (MYC)

Analyzed Date : 12/13/25 17:01:11

Batch Date : 12/11/25 10:02:02

Dilution : 12.5

Reagent : 121025.R04; 030725.01; 120125.R03; 120425.R03; 060922.01; 120625.R01

Consumables : MO0250110042; 9291.023; 9479291.023; 250208-634-A; 1008646012; 1008855823; 1008897313; GD25001

Pipette : NA-015 (P-10); NA-012 (P-200); NA-137 (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.



Heavy Metals

PASSED

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

ARSENIC	ppb	5.450	20.000	200	PASS	22.664	
CADMIUM	ppb	5.500	20.000	200	PASS	ND	
MERCURY	ppb	3.400	5.000	100	PASS	ND	
LEAD	ppb	8.000	20.000	500	PASS	<20.000	

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Margaret Teasdale

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Kaycha Labs

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M00004032140: Tops - Bulk - Bufo - Hybrid - NEA Premium
Strain: Bufo
Matrix: Plant Material
Classification: Raw Plant Material
Type: Flower-Cured



Certificate of Analysis

Pages 5 of 5

Northeast Alternatives - Massachusetts Sample: NA51205007-003

310A Kenneth Welch Dr.
Lakeville, MA, 02347, US
License # : MC282112

Batch #: B204.R18.BUFO.11.10.25 (3)
Seed to sale: 1A40A0300009E99000152121

Ordered: 12/05/25
Sampled: 12/05/25
Completed: 12/17/25

PASSED



Heavy Metals

PASSED

ANALYTES		UNIT	LOD	LOQ	LIMIT	PASS/FAIL	RESULT	QUALIFIER
Analyzed by: 990, 1172	Weight: 0.3379g	Extraction date: 12/09/25 12:34:13					Extracted by: 990,1391	
Analysis Method : SOP.T.30.084.MA, SOP.T.40.084.MA								
Analytical Batch : NA023538HEA								
Instrument Used : NA-ICPMS-002								
Analyzed Date : 12/13/25 17:00:06								
Batch Date : 12/05/25 22:31:19								
Dilution : 50								
Reagent : 062824.02; 062824.03; 103125.01; 112025.R14; 112025.R01; 120925.R02; 061025.10; 070224.01; 030725.01; 120525.18; 040325.01								
Consumables : L205125M; 13175; 070125CH01; 1008855823; GD25001								
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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