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

Kaycha Labs

Springfield Kush
Matrix: Plant Material
Classification: Raw Plant Material
Type: Flower-Cured

Certificate of Analysis

PASSED



Batch #: SPKU260507-1-4A1
Production Method: Cured
Retail Product Size: 8 gram
Retail Serving Size: 8 gram
Servings: 1
Metrc Package #: 1A40A030000012E000141044
Metrc Source Package # : 1A40A030000012E000141043

Lab ID: NA60528002-001
Ordered: 05/28/26
Sampled Date: 05/28/26
Sample Size: 8 gram
Completed: 06/03/26
Manifest #: 0003291830

INSA - Massachusetts
122 Pleasant Street
Easthampton, MA, 01027, US
myinsa.com
License # : MP281426

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	NOT TESTED	NOT TESTED	NOT TESTED	TESTED

Cannabinoid — PASSED

Total THC
25.2555%

Total CBD
ND

Total Cannabinoids
29.5550%

	TOTAL CANNABINOIDS	TOTAL TAC	TOTAL THC	TOTAL CBD	THCA	D9-THC	CBDA	CBD	CBDV	CBC	THCVA	THCV	CBGA	D8-THC	CBG	CBN
%	29.5550	25.9544	25.2555	ND	28.4760	0.2820	ND	ND	ND	ND	0.1250	ND	0.6720	ND	ND	ND
mg/g	295.5500	259.5442	252.5545	ND	284.7600	2.8200	ND	ND	ND	ND	1.2500	ND	6.7200	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, 1596
Weight: 0.1983g
Extraction date: 05/30/26 13:54:17
Extracted by: 1425,1572

Analysis Method : SOP.T.30.031, SOP.T.40.031
Analytical Batch : NA028309POT
Instrument Used : NA-HPLC-004 (Potency - Flower)
Batch Date : 05/30/26 08:55:06
Analyzed Date : 06/01/26 14:14:30

Dilution : 400
Reagent : 052126.16; 093025.03; 030626.06; 042726.R01; 042726.R02; 052726.R12; 052726.R13; 042926.R01
Consumables : 050925CK01; 9291.114; 947.009; 1114425CH01; 04502058; 1008646012; 1008855823; 250406E; 220215E-15; GD250006; 344016236
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	2.842	28.420	
LIMONENE	0.020	0.020		TESTED	1.266	12.660	
BETA-CARYOPHYLLENE	0.020	0.020		TESTED	0.328	3.280	
LINALOOL	0.020	0.020		TESTED	0.279	2.790	

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Margaret Teasdale
Lab Director

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ISO 17025 Accreditation # 97164

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License # : MP281426

Sample: NA60528002-001
Batch #: SPKU260507-1-4A1
Seed to sale: 1A40A030000012E000141044

Ordered: 05/28/26
Sampled: 05/28/26
Completed: 06/03/26

PASSED

Terpenes

TESTED

ANALYTES	LOD	LOQ	LIMIT	PASS/FAIL	RESULT (%)	(MG/G)	QUALIFIER
BETA-PINENE	0.020	0.020		TESTED	0.225	2.250	
ALPHA-PINENE	0.020	0.020		TESTED	0.202	2.020	
BETA-MYRCENE	0.020	0.020		TESTED	0.124	1.240	
ALPHA-HUMULENE	0.020	0.020		TESTED	0.107	1.070	
FENCHYL ALCOHOL	0.020	0.020		TESTED	0.096	0.960	
ALPHA-TERPINEOL	0.020	0.020		TESTED	0.088	0.880	
OCIMENE	0.020	0.020		TESTED	0.064	0.640	
ALPHA-BISABOLOL	0.020	0.020		TESTED	0.063	0.630	
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	
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	
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, 623, 1596
Weight: 0.5633g
Extraction date: 05/30/26 13:22:38
Extracted by: 623

Analysis Method : SOP.T.30.064.MA, SOP.T.40.064.MA
Analytical Batch : NA028281TER
Instrument Used : NA-GCMS-004 (Terpenes)
Batch Date : 05/29/26 08:22:36
Analyzed Date : 06/02/26 17:23:22

Dilution : 10
Reagent : 051226.23; 070224.01; 050526.59; 052126.R02
Consumables : 050925CK01; IP250.114; 947.009; 6881027; 04502058; 1008855823; 1009318600; GD250006; 344016236; 23-47
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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License # : MP281426

Sample: NA60528002-001
Batch #: SPKU260507-1-4A1
Seed to sale: 1A40A030000012E000141044

Ordered: 05/28/26
Sampled: 05/28/26
Completed: 06/03/26

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, 139, 990, 1596
Weight: 0.4477g
Extraction date: 05/31/26 11:40:23
Extracted by: 735,795

Analysis Method : SOP.T.40.104.MA
Analytical Batch : NA028287PES
Instrument Used : NA-LCMS-003 (Pesticides)
Analyzed Date : 06/03/26 13:55:01
Batch Date : 05/29/26 08:46:31

Dilution : 12.5
Reagent : 052826.R01; 093025.03; 052126.R07; 052426.R02; 041223.11; 053026.R07; 052726.R20; 053026.R08; 053026.R09; 051726.R01; 042226.R02
Consumables : 1009318691; 9291.114; 947.009; 6881027; 1008855823; MO0260205038; GD250006; EEN0002656; EEZ0004598
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, 1596
Weight: 0.4477g
Extraction date: 05/31/26 11:40:23
Extracted by: 735,795

Analysis Method : SOP.T.40.154.MA, SOP.T.40.151.MA
Analytical Batch : NA028342VOL
Instrument Used : NA-GCMS-001 (Volatile Pesticides)
Analyzed Date : 06/02/26 17:26:19
Batch Date : 05/31/26 15:54:34

Dilution : 12.5
Reagent : 052826.R01; 093025.03; 052126.R07; 052426.R02; 041223.11; 053026.R07
Consumables : 1009318691; 9291.114; 947.009; 6881027; 1008855823; MO0260205038; 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	230	
ESCHERICHIA COLI SPECIFIC GENE					PASS	Not Present	
SALMONELLA SPECIFIC GENE					PASS	Not Present	

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Sample: NA60528002-001
Batch #: SPKU260507-1-4A1
Seed to sale: 1A40A030000012E000141044

Ordered: 05/28/26
Sampled: 05/28/26
Completed: 06/03/26

PASSED

Microbial

PASSED

ANALYTES	UNIT	LOD	LOQ	LIMIT	PASS/FAIL	RESULT	QUALIFIER

Analyzed by: 870, 990, 1596 | **Weight:** 1.0136g | **Extraction date:** 05/29/26 07:26:08 | **Extracted by:** 870,711

Analysis Method : SOP.T.40.056C, SOP.T.40.209.MA, SOP.T.40.206.MA
Analytical Batch : NA028276MIC
Instrument Used : NA-PCR-001 (Microbial)
Batch Date : 05/28/26 16:29:46
Analyzed Date : 06/01/26 14:12:52

Dilution : 900
Reagent : N/A
Consumables : 8847202-2441; 08/09/22; PG1727; 601537; DMAX12K25S; 01426011; 241110-3059-A; 1114425CH01; 022511; 377508; 008511; 2560608; 15162252609; X002BSDL8D; MKDB5713; 540905; 25494; 250909; 0002525; 0002680; 7589002104; 7590001010; WO4814; WO4631; WO5050; 0002284; 0002285; 0002494; 0001425; 0002261; WO2490; WO4316; WO3882; WO4135; 7810004011; 7810004023; 0002506; 0002469; WO5024; WO4883; 0002304; 0002471; 0000659802; 0000659773; 0000658588; 1010929522; 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-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
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, 1596 | **Weight:** 0.4477g | **Extraction date:** 05/31/26 11:40:23 | **Extracted by:** 735,795

Analysis Method : SOP.T.40.104.MA
Analytical Batch : NA028341MYC
Instrument Used : NA-LCMS-003 (MYC)
Batch Date : 05/31/26 15:53:23
Analyzed Date : 06/03/26 13:51:17

Dilution : 12.5
Reagent : 052826.R01; 093025.03; 052126.R07; 052426.R02; 041223.11; 053026.R07; 052726.R20; 053026.R08; 053026.R09; 051726.R01; 042226.R02
Consumables : 1009318691; 9291.114; 947.009; 6881027; 1008855823; MO0260205038; GD250006; EEN0002656; EEZ0004598
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.

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	26.413	
LEAD	ppb	8.850	10.000	500	PASS	ND	

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PASSED

Heavy Metals — PASSED

ANALYTES	UNIT	LOD	LOQ	LIMIT	PASS/FAIL	RESULT	QUALIFIER

Analyzed by: 1391, 990, 1596
Weight: 0.3176g
Extraction date: 05/31/26 09:51:35
Extracted by: 990,1583

Analysis Method : SOP.T.30.084.MA, SOP.T.40.084.MA
Analytical Batch : NA028279HEA
Instrument Used : NA-ICPMS-001,NA-ICPMS-002,NA-340 Multiwave 7301 Digester
Batch Date : 05/28/26 19:05:34
Analyzed Date : 06/02/26 17:18:56

Dilution : 50
Reagent : 052626.09; 052626.10; 020826.01; 040226.R02; 053026.R02; 022426.09; 070224.01; 093025.03; 042626.04; 032726.01
Consumables : L205125M; 1010164353; 13254; 13275; GD250006; 0002240390
Pipette : NA-012 (P-200); NA-125 (5mL); NA-255 (10mL Dispensette, HCL); 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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