KCA Laboratories
1509 Bull Lea Rd, Ste 100
Lexington, KY 40511

+1-833-KCA-LABS
https://kcalabs.com
KDA Lic.# P_0058

Certificate of Analysis

MHC, Live THCa Liquid Diamonds, Sativa, Jack Herer

Sample ID: SA-260508-81145
Batch/Lot ID: 1629_LDJH_DT_050726
Type: Finished Product - Inhalable
Matrix: Concentrate - Vape
Unit Mass (g): .01
Expiration Date: 05/29/2028

Hemp
Cultivator/Processor/Manufacturer

Sampler
Sierra
Collected: 05/08/2026
Received: 05/12/2026
Completed: 05/29/2026

Client
The Hemp Collect (NC)
289 Silkwood Drive
Canton, NC 28716
USA



Summary

Test	Date	Status
Cannabinoids	05/13/2026	Tested
Heavy Metals	05/29/2026	Passed
Microbials	05/29/2026	Passed
Mycotoxins	05/29/2026	Passed
Pesticides	05/29/2026	Passed
Residual Solvents	05/29/2026	Passed

60.4 %	453 mg	87.6 %	Not Tested	Not Tested	Yes
Total Δ9-THC	Total THC Per Container	Total Cannabinoids	Moisture Content	Foreign Matter	Internal Standard Normalization

Cannabinoids by HPLC-PDA and GC-MS/MS

Analyte	LOD (%)	LOQ (%)	MU	Result (%)	Result (mg/g)
CBC	0.0095	0.0284	11%	4.01	40.1
CBCA	0.0181	0.0543	11%	0.167	1.67
CBCV	0.006	0.018	11%	ND	ND
CBD	0.0081	0.0242	11%	2.43	24.3
CBDA	0.0043	0.013	11%	9.21	92.1
CBDV	0.0061	0.0182	11%	0.0913	0.913
CBDVA	0.0021	0.0063	11%	0.0737	0.737
CBG	0.0057	0.0172	11%	1.87	18.7
CBGA	0.0049	0.0147	11%	0.191	1.91
CBL	0.0112	0.0335	11%	ND	ND
CBLA	0.0124	0.0371	11%	ND	ND
CBN	0.0056	0.0169	11%	ND	ND
CBNA	0.006	0.0181	11%	0.138	1.38
CBT	0.018	0.054	11%	0.257	2.57
Δ8-THC	0.0104	0.0312	11%	ND	ND
Δ9-THC	0.0076	0.0227	11%	0.160	1.60
Δ9-THCA	0.0084	0.0251	11%	68.7	687
Δ9-THCV	0.0069	0.0206	11%	ND	ND
Δ9-THCVA	0.0062	0.0186	11%	0.321	3.21
Total Δ9-THC				**60.4**	**604**
Total				**87.6**	**876**

ND = Not Detected; NT = Not Tested; UA = Unsuitable for Analysis; NR = Sample matrix interference present which may affect accuracy of results; LOD = Limit of Detection; LOQ = Limit of Quantitation; RL = Reporting Limit; Δ = Delta; Total Δ9-THC = Δ9-THCA * 0.877 + Δ9-THC; Total CBD = CBDA * 0.877 + CBD;

The reported expanded measurement uncertainty (MU) is stated as the combined standard measurement uncertainty multiplied by a combined measurement uncertainty factor (e.g., k = 2) such that the coverage probability corresponds to 95%

Generated By: Cindy Juett
Business Administrator
Date: 06/15/2026

Tested By: Kelsey Rogers
Scientist
Date: 05/13/2026

ISO/IEC 17025:2017 Accredited
Accreditation #108651

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Heavy Metals by ICP-MS

Analyte	LOD (ppm)	LOQ (ppm)	MU	Result (ppm)	P/F
Arsenic	0.002	0.02	19%	ND	P
Cadmium	0.002	0.02	8.6%	ND	P
Lead	0.005	0.05	23%	ND	P
Mercury	0.005	0.01	30%	ND	P

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Generated By: Cindy Juett
Business Administrator
Date: 06/15/2026

Tested By: Annie Velazquez
Assistant Scientist
Date: 05/29/2026

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Pesticides by LC-MS/MS and GC-MS/MS

Analyte	LOD (ppb)	LOQ (ppb)	MU	Result (ppb)	P/F	Analyte	LOD (ppb)	LOQ (ppb)	MU	Result (ppb)	P/F
Abamectin	30	100	120%	ND	P	Hexythiazox	30	100	71%	ND	P
Acephate	30	100	42%	ND	P	Imazalil	30	100	41%	ND	P
Acequinocyl	30	100	93%	NR		Imidacloprid	30	100	37%	ND	P
Acetamiprid	30	100	31%	ND	P	Kresoxim methyl	30	100	42%	ND	P
Aldicarb	30	100	40%	ND	P	Malathion	30	100	38%	ND	P
Azoxystrobin	30	100	38%	ND	P	Metalaxyl	30	100	31%	ND	P
Bifenazate	30	100	37%	ND	P	Methiocarb	30	100	37%	ND	P
Bifenthrin	30	100	64%	ND	P	Methomyl	30	100	33%	ND	P
Boscalid	30	100	45%	ND	P	Mevinphos	30	100		ND	
Carbaryl	30	100	35%	ND	P	Myclobutanil	30	100	46%	ND	P
Carbofuran	30	100	34%	ND	P	Naled	30	100	65%	ND	P
Chloranthraniliprole	30	100	58%	ND	P	Oxamyl	30	100	35%	ND	P
Chlorfenapyr	30	100	59%	ND	P	Paclobutrazol	30	100	41%	ND	P
Chlormequat chloride	30	100	43%	ND	P	Permethrin	30	100	64%	ND	P
Chlorpyrifos	30	100	70%	ND	P	Phosmet	30	100	42%	ND	P
Clofentezine	30	100	72%	ND	P	Piperonyl Butoxide	30	100	58%	ND	P
Coumaphos	30	100	45%	ND		Prallethrin	30	100	49%	ND	P
Cypermethrin	30	100	60%	ND	P	Propiconazole	30	100	51%	ND	P
Daminozide	30	100	50%	ND	P	Propoxur	30	100	31%	ND	P
Diazinon	30	100	36%	ND	P	Pyrethrins	30	100	59%	ND	P
DDVP (Dichlorvos)	30	100	58%	ND	P	Pyridaben	30	100	74%	ND	P
Dimethoate	30	100	28%	ND	P	Spinetoram	30	100		ND	
Dimethomorph	30	100		ND		Spinosad	30	100	64%	ND	P
Ethoprophos	30	100	35%	ND	P	Spiromesifen	30	100	61%	ND	P
Etofenprox	30	100	60%	ND	P	Spirotetramat	30	100	43%	ND	P
Etoxazole	30	100	76%	ND	P	Spiroxamine	30	100	37%	ND	P
Fenhexamid	30	100	46%	ND		Tebuconazole	30	100	47%	ND	P
Fenoxycarb	30	100	40%	ND	P	Thiacloprid	30	100	35%	ND	P
Fenpyroximate	30	100	69%	ND	P	Thiamethoxam	30	100	39%	ND	P
Fipronil	30	100	36%	ND	P	Trifloxystrobin	30	100	41%	ND	P
Flonicamid	30	100	52%	ND	P						
Fludioxonil	30	100	41%	ND	P						

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The reported expanded measurement uncertainty (MU) is stated as the combined standard measurement uncertainty multiplied by a combined measurement uncertainty factor (e.g., k = 2) such that the coverage probability corresponds to 95%

Generated By: Cindy Juett
Business Administrator
Date: 06/15/2026

Authorized By: Madeline Mitchell
Assistant Scientist
Date: 05/29/2026

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Mycotoxins by LC-MS/MS

Analyte	LOD (ppb)	LOQ (ppb)	MU	Result (ppb)	P/F
B1	1	5	40%	ND	P
B2	1	5	49%	ND	P
G1	1	5	41%	ND	P
G2	1	5	46%	ND	P
Ochratoxin A	1	5	46%	ND	P

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Generated By: Cindy Juett
Business Administrator
Date: 06/15/2026

Tested By: Madeline Mitchell
Assistant Scientist
Date: 05/29/2026

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Microbials by PCR and Plating

Analyte	LOD (CFU/g)	MU	Result (CFU/g)	Result (Qualitative)	P/F
Total aerobic count	10		ND		P
Total coliforms	10		ND		P
Generic E. coli	10	69%	ND		P
Salmonella spp.	1			Not Detected per 1 gram	P
Shiga-toxin producing E. coli (STEC)	1			Not Detected per 1 gram	P

ND = Not Detected; NT = Not Tested; UA = Unsuitable for Analysis; NR = Sample matrix interference present which may affect accuracy of results; LOD = Limit of Detection; LOQ = Limit of Quantitation; CFU = Colony Forming Units; P = Pass; F = Fail; RL = Reporting Limit

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Generated By: Cindy Juett
Business Administrator
Date: 06/15/2026

Tested By: Sara Cook
Laboratory Technician
Date: 05/29/2026

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Residual Solvents by HS-GC-MS

Analyte	LOD (ppm)	LOQ (ppm)	MU	Result (ppm)	P/F	Analyte	LOD (ppm)	LOQ (ppm)	MU	Result (ppm)	P/F
Acetone	33	100	59%	ND	P	Ethylene Oxide	0.5	1	29%	ND	P
Acetonitrile	14	41	29%	ND	P	Heptane	33	100	14%	ND	P
Benzene	0.5	1	21%	ND	P	n-Hexane	2	6	19%	ND	P
Butane	33	100	24%	<RL	P	Isobutane	33	100	24%	ND	P
1-Butanol	167	500	23%	ND	P	Isopropyl Acetate	167	500	17%	ND	P
2-Butanol	167	500	21%	ND	P	Isopropyl Alcohol	167	500	29%	ND	P
2-Butanone	167	500	15%	ND	P	Isopropylbenzene	167	500	21%	ND	P
Chloroform	2	6	13%	ND	P	Methanol	20	60	17%	ND	P
Cyclohexane	129	388	16%	ND	P	2-Methylbutane	10	29	44%	ND	P
1,2-Dichloroethane	0.5	1	7.7%	ND	P	Methylene Chloride	20	60	15%	ND	P
1,2-Dimethoxyethane	4	10	13%	ND	P	2-Methylpentane	2	6	13%	ND	P
Dimethyl Sulfoxide	167	500	41%	ND	P	3-Methylpentane	2	6	15%	ND	P
N,N-Dimethylacetamide	37	109	23%	ND	P	n-Pentane	33	100	30%	ND	P
						1-Pentanol	167	500	22%	ND	P
2,2-Dimethylbutane	2	6	20%	ND	P	n-Propane	33	100	24%	ND	P
2,3-Dimethylbutane	2	6	15%	ND	P	1-Propanol	167	500	23%	ND	P
N,N-Dimethylformamide	30	88	28%	ND	P	Pyridine	7	20	24%	ND	P
						Tetrahydrofuran	24	72	36%	ND	P
2,2-Dimethylpropane	167	500	23%	ND	P	Toluene	6	18	19%	ND	P
1,4-Dioxane	13	38	12%	ND	P	Trichloroethylene	3	8	20%	ND	P
Ethanol	167	500	18%	ND	P	Xylenes (o-, m-, and p-)	14	43	21%	ND	P
2-Ethoxyethanol	6	16	20%	ND	P						
Ethyl Acetate	33	100	13%	ND	P						
Ethyl Ether	167	500	14%	ND	P						
Ethylbenzene	3	7	21%	ND	P						

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Business Administrator
Date: 06/15/2026

Tested By: Kelsey Rogers
Scientist
Date: 05/29/2026

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Reporting Limit Appendix

Heavy Metals - KY 902 KAR 45:190

Analyte	Limit (ppm)	Analyte	Limit (ppm)
Arsenic	0.2	Lead	0.5
Cadmium	0.2	Mercury	0.1

Microbials - KY 902 KAR 45:190

Analyte	Limit (CFU/g)	Analyte	Limit (CFU/g)
Total coliforms	100	Total aerobic count	10000

Residual Solvents - KY 902 KAR 45:190 & USP 467

Analyte	Limit (ppm)	Analyte	Limit (ppm)
Acetone	1000	Ethylene Oxide	1
Acetonitrile	410	Heptane	1000
Benzene	2	n-Hexane	60
Butane	1000	Isobutane	1000
1-Butanol	5000	Isopropyl Acetate	5000
2-Butanol	5000	Isopropyl Alcohol	5000
2-Butanone	5000	Isopropylbenzene	5000
Chloroform	60	Methanol	600
Cyclohexane	3880	2-Methylbutane	290
1,2-Dichloroethane	5	Methylene Chloride	600
1,2-Dimethoxyethane	100	2-Methylpentane	60
Dimethyl Sulfoxide	5000	3-Methylpentane	60
N,N-Dimethylacetamide	1090	n-Pentane	1000
2,2-Dimethylbutane	60	1-Pentanol	5000
2,3-Dimethylbutane	60	n-Propane	1000
N,N-Dimethylformamide	880	1-Propanol	5000
2,2-Dimethylpropane	5000	Pyridine	200
1,4-Dioxane	380	Tetrahydrofuran	720
Ethanol	5000	Toluene	180
2-Ethoxyethanol	160	Trichloroethylene	80
Ethyl Acetate	1000	Xylenes (o-, m-, and p-)	430
Ethyl Ether	5000		
Ethylbenzene	70		

Pesticides - KY 902 KAR 45:190

Analyte	Limit (ppb)	Analyte	Limit (ppb)
Abamectin	500	Hexythiazox	1000

Pesticides - KY 902 KAR 45:190

Analyte	Limit (ppb)	Analyte	Limit (ppb)
Acephate	400	Imazalil	200
Acequinocyl	2000	Imidacloprid	400
Acetamiprid	200	Kresoxim methyl	400
Aldicarb	400	Malathion	200
Azoxystrobin	200	Metalaxyl	200
Bifenazate	200	Methiocarb	200
Bifenthrin	200	Methomyl	400
Boscalid	400	Mevinphos	
Carbaryl	200	Myclobutanil	200
Carbofuran	200	Naled	500
Chloranthraniliprole	200	Oxamyl	1000
Chlorfenapyr	1000	Paclobutrazol	400
Chlorpyrifos	200	Permethrin	200
Clofentezine	200	Phosmet	200
Chlormequat chloride	200	Piperonyl Butoxide	2000
Coumaphos		Prallethrin	200
Cypermethrin	1000	Propiconazole	400
Daminozide	1000	Propoxur	200
Diazinon	200	Pyrethrins	1000
DDVP (Dichlorvos)	100	Pyridaben	200
Dimethoate	200	Spinetoram	
Dimethomorph		Spinosad	200
Ethoprophos	200	Spiromesifen	200
Etofenprox	400	Spirotetramat	200
Etoxazole	200	Spiroxamine	400
Fenhexamid		Tebuconazole	400
Fenoxycarb	200	Thiacloprid	200
Fenpyroximate	400	Thiamethoxam	200
Fipronil	400	Trifloxystrobin	200
Flonicamid	1000		
Fludioxonil	400		

Mycotoxins - KY 902 KAR 45:190

Analyte	Limit (ppb)	Analyte	Limit (ppb)
B1	5	B2	5
G1	5	G2	5
Ochratoxin A	20		

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SC Labs®

Hemp Quality Assurance Testing
CERTIFICATE OF ANALYSIS

DATE ISSUED 03/14/2026

SAMPLE DETAILS

SAMPLE NAME: THCa Liquid Diamonds - Jack Herer

Concentrate, Product Inhalable

CULTIVATOR / MANUFACTURER

Business Name:
License Number:
Address:

DISTRIBUTOR / TESTED FOR

Business Name: The Hemp Collect
License Number:
Address:

SAMPLE DETAIL

Batch Number: 1629_LDJH_DT_110525
Sample ID: 260311L055

Date Collected: 03/11/2026
Date Received: 03/11/2026
Batch Size:
Sample Size: 3.0 units
Unit Mass:
Serving Size:



Scan QR code to verify authenticity of results.

TERPENOID ANALYSIS - SUMMARY

39 TESTED, TOP 3 HIGHLIGHTED

Total Terpenoids: 4.8759%

- Terpinolene 15.015 mg/g
- Myrcene 7.946 mg/g
- Limonene 6.735 mg/g

For quality assurance purposes. Not a Regulatory Hemp Lab Test Report. These results relate only to the sample included on this report. This report shall not be reproduced, except in full, without written approval of the laboratory.

Sample Certification: California Code of Regulations Title 4 Division 19. Department of Cannabis Control Business and Professions Code. Reference: Sections 26100, 26104 and 26110, Business and Professions Code.

Decision Rule: Statements of conformity (e.g. Pass/Fail) to specifications are made in this report without taking measurement uncertainty into account. Where statements of conformity are made in this report, the following decision rules are applied: PASS - Results within limits/specifications, FAIL - Results exceed limits/specifications.

References: limit of detection (LOD), limit of quantification (LOQ), not detected (ND), not tested (NT), µg/g = ppm, µg/kg = ppb

LQC verified by: Matthew Schneider
Job Title: Senior Laboratory Analyst
Date: 03/14/2026

Approved by: Josh Wurzer
Chief Compliance Officer
Date: 03/14/2026

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Terpenoid Analysis

Terpene analysis utilizing gas chromatography-flame ionization detection (GC-FID).

Method: QSP 1192 - Analysis of Terpenoids by GC-FID

1 Terpinolene
Also known as δ-terpinene, it is of four isomers of the monoterpene Terpinene. It has a fragrance that can be described as fresh, woody, piney, herbal with a hint of lemon. Found in conifers, cumin, apple, rosemary, sage, tea tree, lilac, nutmeg...etc.

2 Myrcene
A monoterpene with a fragrance that can be described as peppery, spicy, herbal, floral and woody. Although it has a pleasant odor, it is typically used by the perfume industry as precursor for developing other fragrances. Found in hops, houttuynia, bay, thyme, lemon grass, mango, verbena, cardamom, citrus...etc.

3 Limonene
A monoterpene with a fragrance that can be described as orangey, citrusy, sweet and tart. It is most commonly found in nature as D-Limonene and is a primary contributor to the distinct scent of orange peels, from which it is commonly derived. Found in numerous pines, red maple, silver maple, aspens, cottonwoods, hemlocks, sumac, cedar, junipers...etc.

TERPENOID TEST RESULTS - 03/14/2026

COMPOUND	LOD/LOQ (mg/g)	MEASUREMENT UNCERTAINTY (mg/g)	RESULT (mg/g)	RESULT (%)
Terpinolene	*0.008 / 0.036*	*±0.2387*	15.015	1.5015
Myrcene	*0.008 / 0.025*	*±0.0795*	7.946	0.7946
Limonene	*0.005 / 0.036*	*±0.0748*	6.735	0.6735
β-Caryophyllene	*0.004 / 0.012*	*±0.1234*	4.455	0.4455
α-Terpinene	*0.005 / 0.017*	*±0.0270*	2.331	0.2331
β-Ocimene	*0.006 / 0.025*	*±0.0565*	2.259	0.2259
α-Humulene	*0.009 / 0.180*	*±0.0446*	1.784	0.1784
Linalool	*0.009 / 0.036*	*±0.0288*	0.974	0.0974
α-Pinene	*0.005 / 0.036*	*±0.0058*	0.859	0.0859
α-Bisabolol	*0.008 / 0.026*	*±0.0347*	0.835	0.0835
β-Pinene	*0.004 / 0.014*	*±0.0074*	0.833	0.0833
trans-β-Farnesene	*0.008 / 0.025*	*±0.0205*	0.741	0.0741
Guaiol	*0.009 / 0.030*	*±0.0264*	0.720	0.0720
Terpineol	*0.009 / 0.031*	*±0.0256*	0.535	0.0535
Fenchol	*0.010 / 0.036*	*±0.0134*	0.445	0.0445
α-Phellandrene	*0.006 / 0.036*	*±0.0041*	0.390	0.0390
Δ^3-Carene	*0.005 / 0.018*	*±0.0030*	0.273	0.0273
γ -Terpinene	*0.006 / 0.018*	*±0.0036*	0.269	0.0269
Valencene	*0.009 / 0.180*	*±0.0128*	0.239	0.0239
Geraniol	*0.002 / 0.036*	*±0.0076*	0.221	0.0221
Caryophyllene Oxide	*0.010 / 0.033*	*±0.0069*	0.193	0.0193
Nerolidol	*0.006 / 0.021*	*±0.0092*	0.188	0.0188
p-Cymene	*0.005 / 0.016*	*±0.0036*	0.174	0.0174
Eucalyptol	*0.006 / 0.018*	*±0.0031*	0.155	0.0155
Borneol	*0.005 / 0.016*	*±0.0039*	0.120	0.0120
Camphene	*0.005 / 0.015*	*±0.0006*	0.070	0.0070
Citronellol	*0.003 / 0.036*	*N/A*	<LOQ	<LOQ
Fenchone	*0.009 / 0.036*	*N/A*	<LOQ	<LOQ
Nerol	*0.003 / 0.036*	*N/A*	<LOQ	<LOQ
Sabinene Hydrate	*0.006 / 0.036*	*N/A*	<LOQ	<LOQ
α-Cedrene	*0.005 / 0.016*	*N/A*	ND	ND
Camphor	*0.006 / 0.036*	*N/A*	ND	ND
Cedrol	*0.008 / 0.027*	*N/A*	ND	ND
Geranyl Acetate	*0.004 / 0.036*	*N/A*	ND	ND
Isoborneol	*0.004 / 0.012*	*N/A*	ND	ND
Isopulegol	*0.005 / 0.036*	*N/A*	ND	ND
Menthol	*0.008 / 0.025*	*N/A*	ND	ND
Pulegone	*0.003 / 0.011*	*N/A*	ND	ND
Sabinene	*0.004 / 0.014*	*N/A*	ND	ND
TOTAL TERPENOIDS			48.759 mg/g	4.8759%

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