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

WL, THCa Live Potency Blend, Raw

SampleID: SA-260528-81996 Hemp
Batch/Lot ID: 1620_POT_052626
Type: Finished Product - Inhalable
Matrix: Concentrate - Vape
Unit Mass (g):
Expiration Date:

Collected: 05/28/2026
Received: 05/29/2026
Completed: 06/22/2026



Summary

Test	Date	Status
Cannabinoids	06 / 16 / 2026	Tested
Foreign Matter	06 / 15/ 2026	Tested
Heavy Metals	06 / 22/ 2026	Passed
Microbials	06 / 15/ 2026	Passed
Mycotoxins	06 / 22/ 2026	Passed
Pesticides	06 / 22/ 2026	Passed
Residual Solvents	06 / 15/ 2026	Passed

65.0 % Total Δ9-THC	Total THC Per Container	98.4 % Total Cannabinoids	Not Tested Moisture Content	Not Detected Foreign Matter	Yes Internal Standard Normalization

Cannabinoids by HPLC-PDA and GC-MS/MS

Analyte	LOD (%)	LOQ (%)	MU	Result (%)	Result (mg/g)
CBC	0.0095	0.0284	6.2%	6.31	63.1
CBCA	0.0181	0.0543	6.2%	0.402	4.02
CBCV	0.006	0.018	6.2%	ND	ND
CBD	0.0081	0.0242	6.2%	3.43	34.3
CBDA	0.0043	0.013	6.2%	10.2	102
CBDB CBD-C8	0.0133	0.04		ND	ND
CBDH	0.0133	0.04		ND	ND
CBDP	0.0133	0.04		ND	ND
CBDV	0.0133	0.04		ND	ND
CBDVA	0.0061	0.0182	6.9%	0.127	1.27
CBG	0.0021	0.0063	6.2%	0.0883	0.883
CBGA	0.0057	0.0172	6.2%	2.72	27.2
CBL	0.0049	0.0147	6.2%	0.208	2.08
CBLA	0.0112	0.0335	6.2%	ND	ND
CBN	0.0124	0.0371	6.2%	ND	ND
CBNA	0.0056	0.0169	6.2%	ND	ND
CBNP	0.006	0.0181	6.2%	0.0968	0.968
CBT	0.0133	0.04	6.2%	ND	ND
Δ 4,8-iso-THC	0.018	0.054	5.6%	0.337	3.37
Δ6a,10a-THC	0.0133	0.04	6.2%	ND	ND
Δ8-iso-THC	0.0133	0.04	6.6%	ND	ND
Δ8-THC Δ8-THCB	0.0133	0.04	6.3%	ND	ND
Δ8-THC-C8	0.0104	0.0312	4.9%	ND	ND
	0.0133	0.04	6.2%	ND	ND
	0.0133	0.04		ND	ND

Cannabinoid results continued on next page...

Generated By: Jasper van Heemst
Principal Scientist
Date: 06/22/2026

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Ana lyte	LOD (%)	LOQ (%)	MU	Result (%)	Result (mg/g)
Δ8-THCH	0.0133	0.04		ND	ND
Δ8-THCP	0.0133	0.04	6.4%	ND	ND
Δ8-THCV	0.0133	0.04	5.6%	ND	ND
Δ9-THC	0.0076	0.0227	6.2%	0.154	1.54
Δ9-THCA	0.0084	0.0251	6.2%	74.0	740
Δ9-THCB	0.0133	0.04		ND	ND
Δ9-THC-C8	0.0133	0.04		ND	ND
Δ9-THCH	0.0133	0.04		ND	ND
Δ9-THCP	0.0133	0.04		ND	ND
Δ9-THCV	0.0069	0.0206	6.4%	ND	ND
Δ9-THCVA	0.0062	0.0186	6.2%	0.310	3.10
(6aR,9R)-Δ10-THC	0.0133	0.04	6.2%	ND	ND
(6aR,9S)-Δ10-THC	0.0133	0.04	6.9%	ND	ND
exo-THC	0.0133	0.04	5.4%	ND	ND
(6aR,9R,10aR)-HHC	0.0133	0.04	6.9%	ND	ND
(6aR,9S,10aR)-HHC			6.6%	ND	ND
Total Δ9-THC			6.3%		650
Total				65.0	984
				98.4	

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: Jasper van Heemst
Principal Scientist
Date: 06/22/2026

Tested By: Kelsey Rogers
Sc i en ti st
Date: 06/16/2026

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: Jasper van Heemst
Principal Scientist
Date: 06/22/2026

Tested By: Annie Velazquez
Assistant Scientist
Date: 06/22/2026

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

Analyte	LOD (ppb)	LOQ (ppb)	MU	Result (ppb)		P/F
Abamectin	30	100	120%	ND	ND	P
Acephate	30	100	42%	ND	ND	P
Acequinocyl	30	100	93%	NR	ND	P
Acetamiprid	30	100	31%	ND	ND	
Aldicarb	30	100	40%	ND	ND	P
Azoxystrobin	30	100	38%	ND	NR	P
Bifenazate	30	100	37%	ND	ND	P
Bifenthrin	30	100	64%	ND	NR	P
Boscalid	30	100	45%	ND	ND	P
Captan	30	100	35%	ND	ND	P
Carbaryl	30	100	34%	ND	NR	
Carbofuran	30	100	58%	NR	ND	P
Chlorantraniliprole	30	100		ND	ND	P
Chlordane	30	100	59%	ND	ND	P
Chlorfenapyr	30	100	43%	ND	ND	
Chlormequat chloride	30	100	70%	ND	ND	P
Chlorpyrifos	30	100	72%	ND	ND	P
Clofentezine	30	100	45%	ND	ND	P
Coumaphos	30	100	45%	ND		P
Cyfluthrin	30	100	60%			P
Cypermethrin	30	100	50%			
Daminozide	30	100	36%			
Diazinon	30	100	58%			
DDVP (Dichlorvos)	30	100	28%			
Dimethoate	30	100				
Dimethomorph	30	100	35%			
Ethoprophos	30	100	60%			
Etofenprox	30	100	76%			
Etoxazole	30	100	46%			
Fenhexamid	30	100	40%			
Fenoxycarb	30	100	69%			
Fenpyroximate	30	100	36%			
Fipronil	30	100	52%			
Flonicamid	30	100	41%			
Fludioxonil						

Analyte	LOD (ppb)	LOQ (ppb)	MU	Result (ppb)		P/F
Hexythiazox	30	100	71%			
Imazalil	30	100	41%	ND	ND	P
Imidacloprid	30	100	37%	ND	ND	P
Kresoxim methyl	30	100	42%	ND	ND	P
Malathion	30	100	38%	ND	ND	P
Metalaxyl	30	100	31%	NR	ND	P
Methiocarb	30	100	37%	NR	ND	P
Methomyl	30	100	33%	ND	ND	P
Methyl parathion	30	100	9.8%	ND	NR	P
Mevinphos	30	100		ND	ND	
MGK-264	30	100		ND	ND	P
Myclobutanil	30	100		ND	ND	
Naled	30	100		ND	ND	P
Oxamyl	30	100	46%	ND	ND	P
Paclobutrazol	30	100	65%	ND	ND	P
Pentachloronitrobenzene	30	100	35%	ND	ND	P
Permethrin	30	100	41%	ND	ND	
Phosmet	30	100		ND		P
Piperonyl Butoxide	30	100	64%			P
Prallethrin	30	100	42%			P
Propiconazole	30	100	58%			P
Propoxur	30	100	49%			P
Pyrethrins	30	100	51%			P
Pyridaben	30	100	31%			P
Spinetoram	30	100	59%			P
Spinosad	30	100	74%			P
Spiromesifen	30	100				P
Spirotetramat	30	100	64%			P
Spiroxamine	30	100	61%			P
Tebuconazole	30	100	43%			P
Thiacloprid	30	100	37%			P
Thiamethoxam	30	100	47%			P
Trifloxystrobin	30	100	35%			P
			39%			P
			41%			

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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: Jasper van Heemst
Principal Scientist
Date: 06/22/2026

Authorized By: Madeline Mitchell
Assistant Scientist
Date: 06/22/2026

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Mycotoxins by LC-MS/MS

Analyte	LOD (ppb) 1	LOQ (ppb) 5	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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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: Jasper van Heemst
Principal Scientist
Date: 06/22/2026

Tested By: Madeline Mitchell
Assistant Scientist
Date: 06/22/2026

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Microbials by PCR and Plating

Ana lyte	LOD	(CFU/g)	MU	Result (CFU/g)	Result (Qualitative)	P/F
Totalaerobic count	10				Not Detected per 1 gram	P
Aspergillus flavus	1			ND	Not Detected per 1 gram	P
Aspergillus fumigatus	1				Not Detected per 1 gram	P
Aspergillus niger	1				Not Detected per 1 gram	P
Aspergillus terreus	1					P
Total coliforms	10					P
Generic E. coli	10			ND		P
Salmonella spp.	1		69%	ND		P
Shiga-toxin producing E. coli (STEC)	1				Not Detected per 1 gram Not	P
Total yeast and mold count (TYMC)	10				Detected per 1 gram	P
			73%	ND		

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: Jasper van Heemst
Principal Scientist
Date: 06/22/2026

Tested By: Sara Cook
Laboratory Technician
Date: 06/15/2026

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Residual Solvents by HS-GC-MS

Analyte	LOD (ppm)	LOQ (ppm)	MU	Result (ppm)		P/F
Acetone	33	100	29%	ND	ND	P
Acetonitrile	14	41	21%	ND	<RL	P
Benzene	0.5	1	24%	ND	ND	P
Butane	33	100	23%	ND	ND	P
1-Butanol	167	500	21%	ND	ND	P
2-Butanol	167	500	15%	ND	ND	P
2-Butanone	167	500	13%	ND		P
Chloroform	2	6	16%	ND		P
Cyclohexane	129	388	7.7%	ND		P
1,2-Dichloroethane	0.5	1	13%	ND		P
1,2-Dimethoxyethane	4	10 500	41%	ND		P
Dimethyl Sulfoxide	167	109	23%	ND		P
N,N-Dimethylacetamide	37	6	20%	ND		P
2,2-Dimethylbutane	2	6	15%	ND		P
2,3-Dimethylbutane	2	88	28%	ND		P
N,N-Dimethylformamide	30	500	23%	ND		P
2,2-Dimethylpropane	167	38	12%	ND		P
1,4-Dioxane	13	500	18%	ND		P
Ethanol	167	16	20%	ND		P
2-Ethoxyethanol	6	100	13%	ND		P
Ethyl Acetate	33	500	14%	ND		P
Ethyl Ether	167	7	21%	ND		P
Ethylbenzene	3					

Analyte	LOD (ppm)	LOQ (ppm)	MU	Result (ppm)		P/F
Ethylene Oxide	0.5	1	14%	ND	ND	P
Heptane	33	100	19%	ND	ND	P
n-Hexane	2	6	24%	ND	ND	P
Isobutane	33	100	17%	ND	ND	P
Isopropyl Acetate	167	500	29%	ND	ND	P
Isopropyl Alcohol	167	500	21%	ND	ND	P
Isopropylbenzene	167	500 60	17%	ND	ND	P
Methanol	20	29	44%	ND	ND	P
2-Methylbutane	10	60	15%	ND	ND	P
Methylene Chloride	20	6	13%	ND	ND	P
2-Methylpentane	2	6	15%	ND		P
3-Methylpentane	2	100	30%			P
n-Pentane	33	500	22%			P
1-Pentanol	167	100	24%			P
n-Propanol	33	500 20	23%			P
1-Propanol	167	72	24%			P
Pyridine	7	18	36%			P
Tetrahydrofuran	24	8	19%			P
Toluene	6	43	20%			P
Trichloroethylene	3		21%			P
Xylenes (o-, m-, and p-)	14					

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Generated By: Jasper van Heemst
Principal Scientist
Date: 06/22/2026

Tested By: Kelsey Rogers
Scientist
Date: 06/15/2026

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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
Total yeast and mold count (TYMC)	100000		

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

Analyte	Limit (ppm)	Analyte	Limit (ppm)
Acetone	1000	Ethylene Oxide	1
Acetonitrile	410	Hexane	1000
Benzene	2	n-Hexane	60
Butane	1000	Iso butane	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 EA DCC

Analyte	Limit (ppb)	Analyte	Limit (ppb)
Abamectin	300	Hexythiazox	2000
Acephate	5000	Imazalil	30
Acequinocyl	4000	Imidacloprid	3000
Acetamiprid	5000	Kresoxim methyl	1000
Aldicarb	30	Malathion	5000
Azoxystrobin	40000	Metalaxyl	15000
Bifenazate	5000	Methiocarb	30
Bifenthrin	500	Methomyl	100
Boscalid	10000	Methyl parathion	30
Captan	5000	Mevinphos	30
Carbaryl	500	MGK-264	200
Carbofuran	30	Myclobutanil	9000
Chlorantraniliprole	40000	Naled	500
Chlordane	30	Oxamyl	200
Chlorfenapyr	30	Paclobutrazol	30
Chlorpyrifos	30	Penta chloro nitro benzene	200
Clofentezine	500	Permethrin	20000
Chlormequat chloride	30	Phosmet	200
Coumaphos	30	Piperonyl Butoxide	8000
Cyfluthrin	1000	Prallethrin	400
Cypermethrin	1000	Propiconazole	20000
Diazinon	30	Propoxur	30
DDVP (Dichlorvos)	200	Pyrethrins	1000
Dimethoate	30	Pyridaben	3000
Dimethomorph	30	Spinetoram	3000
Ethoprophos	20000	Spinosad	3000
Etofenprox	30	Spiromesifen	12000
Etoxazole	30	Spirotetramat	13000
Fenhexamid	1500	Spiroxamine	30
Fenoxycarb	10000	Tebuconazole	2000
Fenpyroximate	30	Thiacloprid	30
Fipronil	2000	Thiamethoxam	4500
Flonicamid	30	Trifloxystrobin	30000
Fludioxonil	2000		
	30000		

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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Principal Scientist
Date: 06/22/2026

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