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

DELTA 8 THC RAW

Sample ID: SA-261021-87085
Batch: HC8RD81026
Type: Raw Material
Matrix: Concentrate - Distillate
Unit Mass (g):
Expiration Date:

Sampler

Received: 10/23/2026
Completed: 11/02/2026

Manufacturer
none

Client
Highly Concentr8ed
2144 Gulf Gate Dr.
Sarasota, FL 34231
USA
Lic. #: 405998



Summary

Test	Date	Status
Cannabinoids	11/02/2026	Tested
Prohibited Substances by HS-GC-MS	10/30/2026	Tested
Vitamin E Acetate	10/30/2026	Tested
Foreign Matter	10/30/2026	Tested
Heavy Metals	10/30/2026	Passed
Microbials	10/30/2026	Passed
Mycotoxins	10/30/2026	Passed
Pesticides	10/30/2026	Passed
Residual Solvents	10/30/2026	Passed

The current and valid permit number for the facility issued by the client's regulatory entity is stated above, indicating that the facility meets the human health or food safety sanitization requirements of FDACS as evidenced by the valid permit number.

ND	**82.3 %**	**89.2 %**	**Not Tested**	**Not Detected**	**Yes**
Total Δ9-THC	Δ8-THC	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	6.2%	ND	ND
CBCA	0.0181	0.0543	6.2%	ND	ND
CBCV	0.006	0.018	6.2%	ND	ND
CBD	0.0081	0.0242	6.2%	ND	ND
CBDA	0.0043	0.013	6.2%	ND	ND
CBDB	0.0133	0.04		ND	ND
CBD-C8	0.0133	0.04		ND	ND
CBDH	0.0133	0.04		ND	ND
CBDP	0.0133	0.04	6.9%	ND	ND
CBDV	0.0061	0.0182	6.2%	ND	ND
CBDVA	0.0021	0.0063	6.2%	ND	ND
CBD diacetate	0.0133	0.04	6.4%	ND	ND
CBG	0.0057	0.0172	6.2%	ND	ND
CBGA	0.0049	0.0147	6.2%	ND	ND
CBG diacetate	0.0133	0.04	6.1%	ND	ND
CBL	0.0112	0.0335	6.2%	0.153	1.53
CBLA	0.0124	0.0371	6.2%	ND	ND
CBN	0.0056	0.0169	6.2%	1.32	13.2
CBN acetate	0.0133	0.04	6.8%	ND	ND
CBNA	0.006	0.0181	6.2%	ND	ND
CBNP	0.0133	0.04	5.6%	ND	ND
CBT	0.018	0.054	6.2%	0.178	1.78
Δ4,8-iso-THC	0.0133	0.04	6.6%	4.38	43.8
Δ6a,10a-THC	0.0133	0.04	6.3%	ND	ND
Δ8-iso-THC	0.0133	0.04	4.9%	0.323	3.23

Cannabinoid results continued on next page...

Generated By: Christopher Kyzar
QA/QC Manager
Date: 11/02/2026

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Analyte	LOD (%)	LOQ (%)	MU	Result (%)	Result (mg/g)
Δ8-THC	0.0104	0.0312	6.2%	82.3	823
Δ8-THC acetate	0.0133	0.04	5.6%	ND	ND
Δ8-THCB	0.0133	0.04		ND	ND
Δ8-THC-C8	0.0133	0.04		ND	ND
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%	0.539	5.39
Δ9-THC	0.0076	0.0227	6.2%	ND	ND
Δ9-THC acetate	0.0133	0.04	6.5%	ND	ND
Δ9-THCA	0.0084	0.0251	6.2%	ND	ND
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	6.4%	ND	ND
Δ9-THCV	0.0069	0.0206	6.2%	ND	ND
Δ9-THCVA	0.0062	0.0186	6.2%	ND	ND
(6aR,9R)-Δ10-THC	0.0133	0.04	6.9%	ND	ND
(6aR,9S)-Δ10-THC	0.0133	0.04	5.4%	ND	ND
exo-THC	0.0133	0.04	6.9%	ND	ND
(6aR,9R,10aR)-HHC	0.0133	0.04	6.6%	ND	ND
(6aR,9S,10aR)-HHC	0.0133	0.04	6.3%	ND	ND
(6aR,9R,10aR)-HHC acetate	0.0133	0.04	6.6%	ND	ND
(6aR,9S,10aR)-HHC acetate	0.0133	0.04	6.7%	ND	ND
Total Δ9-THC				**ND**	**ND**
Total				**89.2**	**892**

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: Christopher Kyzar
QA/QC Manager
Date: 11/02/2026

Tested By: Kelsey Rogers
Senior Scientist
Date: 11/02/2026

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: Christopher Kyzar
QA/QC Manager
Date: 11/02/2026

Tested By: Annie Velazquez
Assistant Scientist
Date: 10/30/2026

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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%	ND*		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	Methyl parathion	30	100	9.8%	ND*	
Captan	30	100		ND*		Mevinphos	30	100		ND	
Carbaryl	30	100	35%	ND	P	MGK-264	30	100		ND*	
Carbofuran	30	100	34%	ND	P	Myclobutanil	30	100	46%	ND	P
Chloranthraniliprole	30	100	58%	ND	P	Naled	30	100	65%	ND	P
Chlordane	30	100		ND*		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	Pentachloronitrobenzene	30	100		ND*	
Chlorpyrifos	30	100	70%	ND*		Permethrin	30	100	64%	ND	P
Clofentezine	30	100	72%	ND	P	Phosmet	30	100	42%	ND	P
Coumaphos	30	100	45%	ND		Piperonyl Butoxide	30	100	58%	ND	P
Cyfluthrin	30	100	45%	ND*		Prallethrin	30	100	49%	ND	P
Cypermethrin	30	100	60%	ND*		Propiconazole	30	100	51%	<LOQ	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						

ND = Not Detected; NT = Not Tested; UA = Unsuitable for Analysis; ND* = not detected per method; LOD = Limit of Detection; LOQ = Limit of Quantitation; P = Pass; F = Fail; RL = Reporting Limit; Values over action limits may be estimates

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: Christopher Kyzar
QA/QC Manager
Date: 11/02/2026

Authorized By: Jasper van Heemst
Assistant Scientific Director
Date: 10/30/2026

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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: Christopher Kyzar
QA/QC Manager
Date: 11/02/2026

Tested By: Jasper van Heemst
Assistant Scientific Director
Date: 10/30/2026

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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
Aspergillus flavus	1			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			Not Detected per 1 gram	P
Bile-tolerant gram-negative bacteria	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
Total yeast and mold count (TYMC)	10	73%	ND		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: Christopher Kyzar
QA/QC Manager
Date: 11/02/2026

Tested By: Lisa Kirby
Laboratory Technician
Date: 10/30/2026

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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%	ND	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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QA/QC Manager
Date: 11/02/2026

Tested By: Kelsey Rogers
Senior Scientist
Date: 10/30/2026

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Prohibited Substances by HS-GC-MS

Analyte	Result	Unit	LOD	LOQ	Reporting Limit	P/F
2,3-butanedione (Diacetyl)	ND	ppm	30	100	30	Pass
1,1-dicholoroethene	ND	ppm	1	5	1	Pass

Generated By: Christopher Kyzar
QA/QC Manager
Date: 11/02/2026

Tested By: Kelsey Rogers
Senior Scientist
Date: 10/30/2026

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Sarasota, FL 34231
USA
Lic. #: 405998

Vitamin E Acetate

Analyte	Result	Unit	LOD	LOQ	Reporting Limit	P/F
Vitamin E Acetate	ND	%	0.03	0.1	0.03	Pass

Generated By: Christopher Kyzar
QA/QC Manager
Date: 11/02/2026

Tested By: Jasper van Heemst
Assistant Scientific Director
Date: 10/30/2026

This product or substance has been tested by KCA Laboratories using validated testing methodologies and an ISO/IEC 17025:2017 accredited quality system. Values reported relate only to the product or substance tested. The reported result is based on a sample weight. Unless otherwise stated, results of tests performed on all quality control samples met criteria for acceptance established by KCA Laboratories. KCA Laboratories makes no claims as to the efficacy, safety or other risks associated with any detected or non-detected amounts of any substances reported herein. This Certificate of Analysis shall not be reproduced except in full, without the written approval of KCA Laboratories. KCA Laboratories can provide measurement uncertainty upon request. ID:97_12

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KDA Lic.# P_0058

Certificate of Analysis

DELTA 8 THC RAW

Sample ID: SA-261021-87085
Batch: HC8RD81026
Type: Raw Material
Matrix: Concentrate - Distillate
Unit Mass (g):
Expiration Date:

Sampler

Received: 10/23/2026
Completed: 11/02/2026

Manufacturer
none

Client
Highly Concentr8ed
2144 Gulf Gate Dr.
Sarasota, FL 34231
USA
Lic. #: 405998

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
Bile-tolerant gram-negative bacteria	1000		
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	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
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	Methyl parathion	200
Captan		Mevinphos	
Carbaryl	200	MGK-264	
Carbofuran	200	Myclobutanil	200
Chloranthraniliprole	200	Naled	500
Chlordane		Oxamyl	1000
Chlorfenapyr	1000	Paclobutrazol	400
Chlorpyrifos	200	Pentachloronitrobenzene	
Clofentezine	200	Permethrin	200
Chlormequat chloride	200	Phosmet	200
Coumaphos		Piperonyl Butoxide	2000
Cyfluthrin	1000	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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