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

CBD 50mg Gummy

Sample ID: SA-260629-83181
Batch: Batch HC-CBD500726
Type: Finished Product - Ingestible
Matrix: Edible - Gummy
Serving Size (g): 4.99061
Unit Volume (mL): , Density (g/mL):

Received: 07/02/2026
Completed: 09/01/2026

Manufacturer

Client
Hemp Connect
506 Lovell Road
Knoxville, TN 37932
USA

Summary

Test	Date Tested	Status
Cannabinoids	09/01/2026	Tested
Foreign Matter	08/21/2026	Tested
Heavy Metals	08/26/2026	Tested
Microbials	08/25/2026	Tested
Mycotoxins	08/27/2026	Tested
Pesticides	08/27/2026	Tested
Residual Solvents	08/26/2026	Tested

0.0283 %	1.07 %	1.62 %	Not Tested	Not Detected	Yes
Total Δ9-THC	Total CBD	Total Cannabinoids	Moisture Content	Foreign Matter	Internal Standard Normalization

Cannabinoids by HPLC-PDA and GC-MS/MS

Analyte	LOD (%)	LOQ (%)	Result (%)	Result (mg/serving)
CBC	0.00095	0.00284	0.0348	1.74
CBCA	0.00181	0.00543	ND	ND
CBCV	0.0006	0.0018	<LOQ	<LOQ
CBD	0.00081	0.00242	1.05	52.6
CBDA	0.00043	0.0013	0.0152	0.759
CBDB	0.00133	0.004	ND	ND
CBD-C8	0.00133	0.004	ND	ND
CBDH	0.00133	0.004	ND	ND
CBDP	0.00133	0.004	ND	ND
CBDV	0.00061	0.00182	0.0170	0.848
CBDVA	0.00021	0.00063	ND	ND
CBD diacetate	0.00133	0.004	ND	ND
CBG	0.00057	0.00172	0.0160	0.798
CBGA	0.00049	0.00147	ND	ND
CBG diacetate	0.00133	0.004	ND	ND
CBL	0.00112	0.00335	<LOQ	<LOQ
CBLA	0.00124	0.00371	ND	ND
CBN	0.00056	0.00169	0.459	22.9
CBN acetate	0.00133	0.004	ND	ND
CBNA	0.0006	0.00181	ND	ND
CBNP	0.00133	0.004	ND	ND
CBT	0.0018	0.0054	<LOQ	<LOQ
Δ4,8-iso-THC	0.00133	0.004	ND	ND
Δ8-iso-THC	0.00133	0.004	ND	ND
Δ8-THC	0.00104	0.00312	ND	ND

Cannabinoid results continued on next page...

Generated By: Christopher Kyzar
QA/QC Manager
Date: 09/01/2026

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Analyte	LOD (%)	LOQ (%)	Result (%)	Result (mg/serving)
Δ8-THC acetate	0.00133	0.004	ND	ND
Δ8-THCB	0.00133	0.004	ND	ND
Δ8-THC-C8	0.00133	0.004	ND	ND
Δ8-THCH	0.00133	0.004	ND	ND
Δ8-THCP	0.00133	0.004	ND	ND
Δ8-THCV	0.00133	0.004	ND	ND
Δ9-THC	0.00076	0.00227	0.0283	1.41
Δ9-THC acetate	0.00133	0.004	ND	ND
Δ9-THCA	0.00084	0.00251	ND	ND
Δ9-THCB	0.00133	0.004	ND	ND
Δ9-THC-C8	0.00133	0.004	ND	ND
Δ9-THCH	0.00133	0.004	ND	ND
Δ9-THCP	0.00133	0.004	ND	ND
Δ9-THCV	0.00069	0.00206	ND	ND
Δ9-THCVA	0.00062	0.00186	ND	ND
(6aR,9R)-Δ10-THC	0.00133	0.004	ND	ND
(6aR,9S)-Δ10-THC	0.00133	0.004	ND	ND
exo-THC	0.00133	0.004	ND	ND
(6aR,9R,10aR)-HHC	0.00133	0.004	ND	ND
(6aR,9S,10aR)-HHC	0.00133	0.004	ND	ND
(6aR,9R,10aR)-HHC acetate	0.00133	0.004	ND	ND
(6aR,9S,10aR)-HHC acetate	0.00133	0.004	ND	ND
Total Δ9-THC			**0.0283**	**1.41**
Total			**1.62**	**81.1**

ND = Not Detected; NR = (Spike) Not Recoverable, sample matrix interference present which may affect accuracy of results; NT = Not Tested; UA = Unsuitable for Analysis; 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;

Generated By: Christopher Kyzar
QA/QC Manager
Date: 09/01/2026

Tested By: Madeline Mitchell
Scientist
Date: 09/01/2026

ISO/IEC 17025:2017 Accredited
Accreditation #108651

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Heavy Metals by ICP-MS

Analyte	LOD (ppm)	LOQ (ppm)	Result (ppm)
Arsenic	0.002	0.02	ND
Cadmium	0.002	0.02	ND
Lead	0.005	0.05	<LOQ
Mercury	0.005	0.01	ND

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Generated By: Christopher Kyzar
QA/QC Manager
Date: 09/01/2026

Tested By: Annie Velazquez
Assistant Scientist
Date: 08/26/2026

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

Analyte	LOD (ppb)	LOQ (ppb)	Result (ppb)	Analyte	LOD (ppb)	LOQ (ppb)	Result (ppb)
Abamectin	30	100	ND	Hexythiazox	30	100	ND
Acephate	30	100	ND	Imazalil	30	100	ND
Acequinocyl	30	100	NR	Imidacloprid	30	100	ND
Acetamiprid	30	100	ND	Kresoxim methyl	30	100	ND
Aldicarb	30	100	ND	Malathion	30	100	ND
Azoxystrobin	30	100	ND	Metalaxyl	30	100	ND
Bifenazate	30	100	ND	Methiocarb	30	100	ND
Bifenthrin	30	100	ND	Methomyl	30	100	ND
Boscalid	30	100	ND	Methyl parathion	30	100	ND
Captan	30	100	ND	Mevinphos	30	100	ND
Carbaryl	30	100	ND	MGK-264	30	100	ND
Carbofuran	30	100	ND	Myclobutanil	30	100	ND
Chloranthraniliprole	30	100	ND	Naled	30	100	ND
Chlordane	30	100	ND	Oxamyl	30	100	ND
Chlorfenapyr	30	100	ND	Paclobutrazol	30	100	ND
Chlormequat chloride	30	100	ND	Pentachloronitrobenzene	30	100	ND
Chlorpyrifos	30	100	ND	Permethrin	30	100	ND
Clofentezine	30	100	ND	Phosmet	30	100	ND
Coumaphos	30	100	ND	Piperonyl Butoxide	30	100	ND
Cyfluthrin	30	100	ND	Prallethrin	30	100	ND
Cypermethrin	30	100	ND	Propiconazole	30	100	ND
Daminozide	30	100	ND	Propoxur	30	100	ND
Diazinon	30	100	ND	Pyrethrins	30	100	ND
DDVP (Dichlorvos)	30	100	ND	Pyridaben	30	100	ND
Dimethoate	30	100	ND	Spinetoram	30	100	ND
Dimethomorph	30	100	ND	Spinosad	30	100	ND
Ethoprophos	30	100	ND	Spiromesifen	30	100	ND
Etofenprox	30	100	ND	Spirotetramat	30	100	ND
Etoxazole	30	100	ND	Spiroxamine	30	100	ND
Fenhexamid	30	100	ND	Tebuconazole	30	100	ND
Fenoxycarb	30	100	ND	Thiacloprid	30	100	ND
Fenpyroximate	30	100	ND	Thiamethoxam	30	100	ND
Fipronil	30	100	ND	Trifloxystrobin	30	100	ND
Flonicamid	30	100	ND				
Fludioxonil	30	100	ND				

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Generated By: Christopher Kyzar
QA/QC Manager
Date: 09/01/2026

Authorized By: Madeline Mitchell
Scientist
Date: 08/27/2026

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Mycotoxins by LC-MS/MS

Analyte	LOD (ppb)	LOQ (ppb)	Result (ppb)
B1	1	5	ND
B2	1	5	ND
G1	1	5	ND
G2	1	5	ND
Ochratoxin A	1	5	ND

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Generated By: Christopher Kyzar
QA/QC Manager
Date: 09/01/2026

Tested By: Madeline Mitchell
Scientist
Date: 08/27/2026

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Microbials by PCR and Plating

Analyte	LOD (CFU/g)	Result (CFU/g)	Result (Qualitative)
Total aerobic count	10	ND	
Aspergillus flavus	1		Not Detected per 1 gram
Aspergillus fumigatus	1		Not Detected per 1 gram
Aspergillus niger	1		Not Detected per 1 gram
Aspergillus terreus	1		Not Detected per 1 gram
Bile-tolerant gram-negative bacteria	10	ND	
Total coliforms	10	ND	
Generic E. coli	10	ND	
Salmonella spp.	1		Not Detected per 1 gram
Shiga-toxin producing E. coli (STEC)	1		Not Detected per 1 gram
Total yeast and mold count (TYMC)	10	ND	

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Generated By: Christopher Kyzar
QA/QC Manager
Date: 09/01/2026

Tested By: Bryce McPherson
Laboratory Technician
Date: 08/25/2026

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Residual Solvents by HS-GC-MS

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

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Generated By: Christopher Kyzar
QA/QC Manager
Date: 09/01/2026

Tested By: Kelsey Rogers
Senior Scientist
Date: 08/26/2026

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