



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

1 of 8

HHC + HHCP Badder

Sample ID: SA-250207-56757 Batch: HC8-LB-HHCP-25 Type: Finished Product - Inhalable Matrix: Concentrate - Badder Unit Mass (g):

Received: 02/12/2025 Completed: 06/12/2025 Client

Highly Concentr8ed 2144 Gulf Gate Dr. Sarasota, FL 34231 USA

Lic. #: 405998





Summary

Date Tested Test Cannabinoids 02/25/2025 02/12/2025 Foreign Matter Heavy Metals 02/21/2025 06/12/2025 Microbials Mycotoxins 03/03/2025 Pesticides 04/08/2025 **Residual Solvents** 02/21/2025

Status Tested Tested Tested Tested Tested Tested Tested

ND Total Δ9-THC

62.2 % Total CBD 91.4 %

Total Cannabinoids

Not Tested

Moisture Content

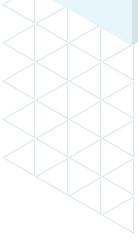
Not Detected

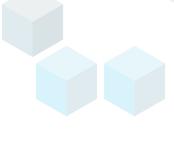
Foreign Matter

Yes

Internal Standard Normalization













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Cannabinoids by HPLC-PDA and GC-MS/MS

Callilabiliolds by III LO I I		7,1,10		
Analyte	LOD	LOQ	Result	Result
Allalyte	(%)	(%)	(%)	(mg/g)
CBC	0.0095	0.0284	ND	ND
CBCA	0.0181	0.0543	ND	ND
CBCV	0.006	0.018	ND	ND
CBD	0.0081	0.0242	61.3	613
CBDA	0.0043	0.013	1.01	10.1
CBDV	0.0061	0.0182	ND	ND
CBDVA	0.0021	0.0063	ND	ND
CBG	0.0057	0.0172	5.05	50.5
CBGA	0.0049	0.0147	ND	ND
CBL	0.0112	0.0335	ND	ND
CBLA	0.0124	0.0371	ND	ND
CBN	0.0056	0.0169	4.89	48.9
CBNA	0.006	0.0181	ND	ND
CBT	0.018	0.054	ND	ND
Δ4,8-iso-THC	0.0067	0.02	ND	ND
Δ8-iso-THC	0.0067	0.02	ND	ND
Δ8-THC	0.0104	0.0312	ND	ND
Δ8-THC acetate	0.0067	0.02	ND	ND
Δ8-ΤΗСР	0.0067	0.02	NT	NT
Δ8-THCV	0.0067	0.02	ND	ND
Δ9-THC	0.0076	0.0227	ND	ND
Δ9-THC acetate	0.0067	0.02	ND	ND
Δ9-ΤΗCΑ	0.0084	0.0251	ND	ND
Δ9-ΤΗСΡ	0.0067	0.02	NT	NT
Δ9-THCV	0.0069	0.0206	ND	ND
Δ9-THCVA	0.0062	0.0186	ND	ND
(6aR,9R)-Δ10-THC	0.0067	0.02	ND	ND
(6a R,9S)-Δ10-THC	0.0067	0.02	ND	ND
exo-THC	0.0067	0.02	ND	ND
(6aR,9R,10aR)-HHC	0.0067	0.02	11.1	111
(6aR,9S,10aR)-HHC	0.0067	0.02	4.16	41.6
9R-HHCP	0.0067	0.02	3.05	30.5
9S-HHCP	0.0067	0.02	0.789	7.89
Total Δ9-THC			ND	ND
Total			91.4	914

ND = Not Detected; NT = Not Tested; LOD = Limit of Detection; LOQ = Limit of Quantitation; RL = Reporting Limit; Δ = Delta; Total Δ 9-THC = Δ 9-THC4 * 0.877 + Δ 9-THC; Total CBD = CBDA * 0.877 + CBD;

Generated By: Ryan Bellone Commercial Director Date: 06/12/2025

Tested By: Scott Caudill Laboratory Manager Date: 02/25/2025







ISO/IEC 17025:2017 Accredited Accreditation #108651





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HHC + HHCP Badder

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Heavy Metals by ICP-MS

Analyte	LOD (ppm)	LOQ (ppm)	Result (ppm)
Arsenic	0.002	0.02	<loq< th=""></loq<>
Cadmium	0.001	0.02	ND
Lead	0.002	0.02	<rl< th=""></rl<>
Mercury	0.012	0.05	ND

ND = Not Detected; NT = Not Tested; LOD = Limit of Detection; LOQ = Limit of Quantitation; P = Pass; F = Fail; RL = Reporting Limit; Values over action limits may be estimates



Generated By: Ryan Bellone Commercial Director Date: 06/12/2025

Tested By: Chris Farman Scientist Date: 02/21/2025





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HHC + HHCP Badder

Sample ID: SA-250207-56757 Batch: HC8-LB-HHCP-25 Type: Finished Product - Inhalable Matrix: Concentrate - Badder

Unit Mass (g):

Received: 02/12/2025 Completed: 06/12/2025 Client

Highly Concentr8ed 2144 Gulf Gate Dr. Sarasota, FL 34231 USA

Lic. #: 405998

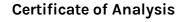
Pesticides by LC-MS/MS and GC-MS/MS

	LOD	100	Danula		LOD	100	Result
Analyte	(ppb)	LOQ (ppb)	Result (ppb)	Analyte	(ppb)	LOQ (ppb)	(ppb)
Abamectin	30	100	ND	Hexythiazox	30	100	ND
Acephate	30	100	ND	Imazalil	30	100	ND
Acequinocyl	30	100	NT	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	Mevinphos	30	100	ND
Captan	700	2000	ND	Myclobutanil	30	100	ND
Carbaryl	30	100	ND	Naled	30	100	ND
Carbofuran	30	100	ND	Oxamyl	30	100	ND
Chloranthraniliprole	30	100	ND	Paclobutrazol	30	100	ND
Chlordane	30	100	ND	Parathion methyl	30	100	ND
Chlorfenapyr	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	NT	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
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				

ND = Not Detected; NT = Not Tested; LOD = Limit of Detection; LOQ = Limit of Quantitation; P = Pass; F = Fail; RL = Reporting Limit; Values over action limits may be estimates

Generated By: Ryan Bellone Commercial Director Date: 06/12/2025 Tested By: Anthony Mattingly Scientist Date: 04/08/2025





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HHC + HHCP Badder

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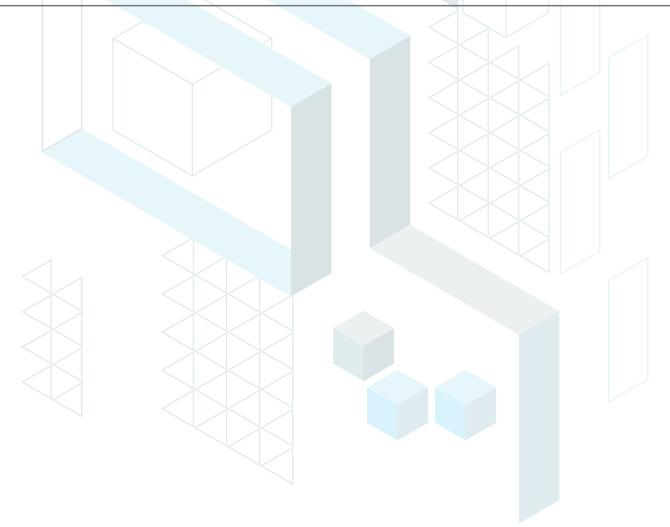
Unit Mass (g):

Received: 02/12/2025 Completed: 06/12/2025 Client Highly Concentr8ed 2144 Gulf Gate Dr. Sarasota, FL 34231 USA Lic. #: 405998

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

ND = Not Detected; NT = Not Tested; LOD = Limit of Detection; LOQ = Limit of Quantitation; P = Pass; F = Fail; RL = Reporting Limit; Values over action limits may be estimates



Generated By: Ryan Bellone Commercial Director Date: 06/12/2025 Tested By: Anthony Mattingly Scientist Date: 03/03/2025





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Certificate of Analysis

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HHC + HHCP Badder

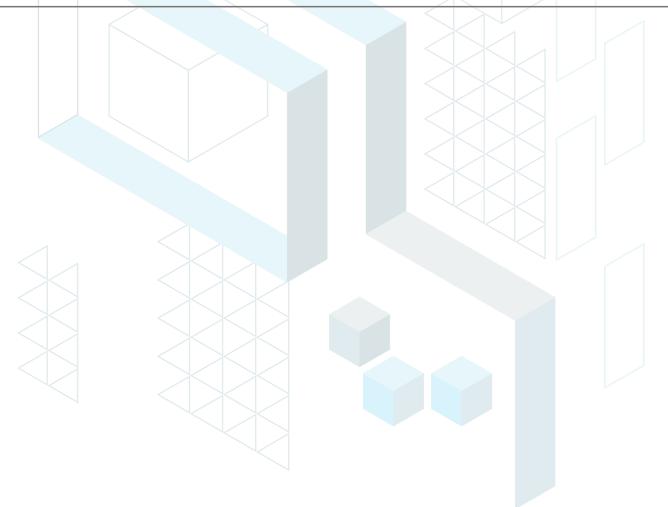
Sample ID: SA-250207-56757 Batch: HC8-LB-HHCP-25 Type: Finished Product - Inhalable Matrix: Concentrate - Badder Unit Mass (g):

Received: 02/12/2025 Completed: 06/12/2025 Client Highly Concentr8ed 2144 Gulf Gate Dr. Sarasota, FL 34231 USA Lic. #: 405998

Microbials by PCR and Plating

LOD (CFU/g)	Result (CFU/g)	Result (Qualitative)
1		Not Detected per 1 gram
1		Not Detected per 1 gram
1		Not Detected per 1 gram
1		Not Detected per 1 gram
10	ND	
10	ND	Maria Yang Kanada K
	1 1 1 1	1 1 1 1 10 ND

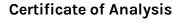
ND = Not Detected; NT = Not Tested; LOD = Limit of Detection; LOQ = Limit of Quantitation; CFU = Colony Forming Units; P = Pass; F = Fail; RL = Reporting Limit



Generated By: Ryan Bellone Commercial Director Date: 06/12/2025

Tested By: Sara Cook Laboratory Technician Date: 06/12/2025







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HHC + HHCP Badder

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Unit Mass (g):

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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	167	500	ND	Ethylene Oxide	0.5	1	ND
Acetonitrile	14	41	ND	Heptane	167	500	ND
Benzene	0.5	1	ND	n-Hexane	10	29	ND
Butane	167	500	ND	Isobutane	167	500	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	100	300	ND
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	10	29	ND
Dimethyl Sulfoxide	167	500	ND	3-Methylpentane	10	29	ND
N,N-Dimethylacetamide	37	109	ND	n-Pentane	167	500	ND
2,2-Dimethylbutane	10	29	ND	1-Pentanol	167	500	ND
2,3-Dimethylbutane	10	29	ND	n-Propane	167	500	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	30	89	ND
2-Ethoxyethanol	6	16	ND	Trichloroethylene	3	8	ND
Ethyl Acetate	167	500	ND	Xylenes (o-, m-, and p-)	73	217	ND
Ethyl Ether	167	500	ND				
Ethylbenzene	3	7	ND				

ND = Not Detected; NT = Not Tested; LOD = Limit of Detection; LOQ = Limit of Quantitation; P = Pass; F = Fail; RL = Reporting Limit; Values over action limits may be estimates

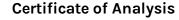
Red

Tested By: Kelsey Rogers Scientist Date: 02/21/2025



Generated By: Ryan Bellone Commercial Director Date: 06/12/2025

This product or substance has been tested by KCA Laboratories using validated testing methodologies and an ISO/IEC 170252017 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 are provide measurement uncertainty upon request.





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Reporting Limit Appendix

Heavy Metals - KY 902 KAR 45:190

Analyte	Limit (p	pm) Analyte	Limit (ppm)
Arsenic	1.5	Lead	0.5
Cadmium	0.5	Mercury	1.5

Microbials -

Unit Mass (g):

Microbials -		
Analyte	Limit (CFU/ g) Analyte	Limit (CFU/ g)
Bile-tolerant gram-negative bacteria	1000	
Total yeast and mold count (TYMC)	1000	

Residual Solvents - USP 467

Analyte	Limit (ppm)	Analyte	Limit (ppm)
Acetone	5000	Ethylene Oxide	1
Acetonitrile	410	Heptane	5000
Benzene	2	n-Hexane	290
Butane	5000	Isobutane	5000
1-Butanol	5000	Isopropyl Acetate	5000
2-Butanol	5000	Isopropyl Alcohol	5000
2-Butanone	5000	Isopropylbenzene	5000
Chloroform	60	Methanol	3000
Cyclohexane	3880	2-Methylbutane	290
1,2-Dichloroethane	5	Methylene Chloride	600
1,2-Dimethoxyethane	100	2-Methylpentane	290
Dimethyl Sulfoxide	5000	3-Methylpentane	290
N,N-Dimethylacetamide	1090	n-Pentane	5000
2,2-Dimethylbutane	290	1-Pentanol	5000
2,3-Dimethylbutane	290	n-Propane	5000
N,N-Dimethylformamide	880	1-Propanol	5000
2,2-Dimethylpropane	5000	Pyridine	200
1,4-Dioxane	380	Tetrahydrofuran	720
Ethanol	5000	Toluene	890
2-Ethoxyethanol	160	Trichloroethylene	80
Ethyl Acetate	5000	Xylenes (o-, m-, and p-)	2170
Ethyl Ether	5000		
Ethylbenzene	70		

Pesticides - CA 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	Mevinphos	30
Captan	5000	Myclobutanil	9000
Carbaryl	500	Naled	500
Carbofuran	30	Oxamyl	200
Chloranthraniliprole	40000	Paclobutrazol	30
Chlordane	30	Parathion methyl	30
Chlorfenapyr	30	Pentachloronitrobenzene	200
Chlorpyrifos	30	Permethrin	20000
Clofentezine	500	Phosmet	200
Coumaphos	30	Piperonyl Butoxide	8000
Cyfluthrin	1000	Prallethrin	400
Cypermethrin	1000	Propiconazole	20000
Daminozide	30	Propoxur	30
Diazinon	200	Pyrethrins	1000
Dichlorvos	30	Pyridaben	3000
Dimethoate	30	Spinetoram	3000
Dimethomorph	20000	Spinosad	3000
Ethoprophos	30	Spiromesifen	12000
Etofenprox	30	Spirotetramat	13000
Etoxazole	1500	Spiroxamine	30
Fenhexamid	10000	Tebuconazole	2000
Fenoxycarb	30	Thiacloprid	30
Fenpyroximate	2000	Thiamethoxam	4500
Fipronil	30	Trifloxystrobin	30000
Flonicamid	2000		
Fludioxonil	30000		

Mycotoxins - Colorado CDPHE

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

