

HHC Avalanche Cookie

Sample ID: SA-230130-16340
 Batch: HC8-HHCAV-0123
 Type: Finished Products
 Matrix: Edible - Baked Good
 Unit Mass (g): 58.38327

Received: 02/01/2023
 Completed: 02/09/2023

Client
 Highly Concentrated
 1919 Northgate Blvd
 Sarasota, FL 34234
 USA
 Lic. #: 2021-N-1909467



Summary

Test	Date Tested	Status
Cannabinoids	02/08/2023	Tested
Foreign Matter	02/03/2023	Tested
Heavy Metals	02/07/2023	Passed
Microbials	02/07/2023	Passed
Mycotoxins	02/09/2023	Passed
Pesticides	02/09/2023	Passed
Residual Solvents	02/09/2023	Passed

ND	0.106 %	0.199 %	Not Tested	Not Detected	Yes
Total Δ9-THC	(6aR,9R,10aR)-HHC	Total Cannabinoids	Moisture Content	Foreign Matter	Internal Standard Normalization

Cannabinoids by HPLC-PDA, LC-MS/MS, and/or GC-MS/MS

Analyte	LOD (%)	LOQ (%)	Result (%)	Result (mg/unit)
CBC	0.00095	0.00284	ND	ND
CBCA	0.00181	0.00543	ND	ND
CBCV	0.0006	0.0018	ND	ND
CBD	0.00081	0.00242	ND	ND
CBDa	0.00043	0.0013	ND	ND
CBDV	0.00061	0.00182	ND	ND
CBDVA	0.00021	0.00063	ND	ND
CBG	0.00057	0.00172	ND	ND
CBGA	0.00049	0.00147	ND	ND
CBL	0.00112	0.00335	ND	ND
CBLA	0.00124	0.00371	ND	ND
CBN	0.00056	0.00169	ND	ND
CBNA	0.0006	0.00181	ND	ND
CBT	0.0018	0.0054	ND	ND
Δ8-THC	0.00104	0.00312	ND	ND
Δ9-THC	0.00076	0.00227	ND	ND
Δ9-THCA	0.00084	0.00251	ND	ND
Δ9-THCV	0.00069	0.00206	ND	ND
Δ9-THCVA	0.00062	0.00186	ND	ND
(6aR,9R,10aR)-HHC	0.0067	0.02	0.106	61.9
(6aR,9S,10aR)-HHC	0.0067	0.02	0.0931	54.3
Total Δ9-THC			ND	ND
Total CBD			ND	ND
Total			0.199	116

ND = Not Detected; NT = Not Tested; 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: Ryan Bellone
 CCO

Date: 02/09/2023



Tested By: Nicholas Howard
 Scientist

Date: 02/08/2023



ISO/IEC 17025:2017 Accredited
 Accreditation #108651





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<https://kcalabs.com>
KDA Lic.# P_0058

Certificate of Analysis

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Heavy Metals by ICP-MS

Analyte	LOD (ppb)	LOQ (ppb)	Result (ppb)	P/F
Arsenic	2	20	<RL	P
Cadmium	1	20	ND	P
Lead	2	20	ND	P
Mercury	12	50	ND	P

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Generated By: Ryan Bellone
CCO

Date: 02/09/2023

Tested By: Kelsey Rogers
Scientist

Date: 02/07/2023



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.

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Pesticides by LC-MS/MS

Analyte	LOD (ppb)	LOQ (ppb)	Result (ppb)	P/F	Analyte	LOD (ppb)	LOQ (ppb)	Result (ppb)	P/F
Acephate	30	100	ND	P	Hexythiazox	30	100	ND	P
Acetamiprid	30	100	ND	P	Imazalil	30	100	ND	P
Aldicarb	30	100	ND	P	Imidacloprid	30	100	ND	P
Azoxystrobin	30	100	ND	P	Kresoxim methyl	30	100	ND	P
Bifenazate	30	100	ND	P	Malathion	30	100	ND	P
Boscalid	30	100	ND	P	Metaxyl	30	100	ND	P
Carbaryl	30	100	ND	P	Methiocarb	30	100	ND	P
Carbofuran	30	100	ND	P	Methomyl	30	100	ND	P
Chloranthraniliprole	30	100	ND	P	Mevinphos	30	100	ND	P
Chlorfenapyr	30	100	ND	P	Myclobutanil	30	100	ND	P
Chlorpyrifos	30	100	ND	P	Naled	30	100	ND	P
Clofentezine	30	100	ND	P	Oxamyl	30	100	ND	P
Coumaphos	30	100	ND	P	Paclobutrazol	30	100	ND	P
Daminozide	30	100	ND	P	Permethrin	30	100	ND	P
Diazinon	30	100	ND	P	Phosmet	30	100	ND	P
Dichlorvos	30	100	ND	P	Piperonyl Butoxide	30	100	ND	P
Dimethoate	30	100	ND	P	Prallethrin	30	100	ND	P
Dimethomorph	30	100	ND	P	Propiconazole	30	100	ND	P
Ethoprophos	30	100	ND	P	Propoxur	30	100	ND	P
Etoxazole	30	100	ND	P	Pyrethrins	30	100	ND	P
Fenhexamid	30	100	ND	P	Pyridaben	30	100	ND	P
Fenoxycarb	30	100	ND	P	Spinetoram	30	100	ND	P
Fenpyroximate	30	100	ND	P	Spinosad	30	100	ND	P
Fipronil	30	100	ND	P	Spiromesifen	30	100	ND	P
Flonicamid	30	100	ND	P	Spirotetramat	30	100	ND	P
Fludioxonil	30	100	ND	P	Spiroxamine	30	100	ND	P
					Tebuconazole	30	100	ND	P
					Thiacloprid	30	100	ND	P
					Thiamethoxam	30	100	ND	P
					Trifloxystrobin	30	100	ND	P

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Generated By: Ryan Bellone
 CCO
 Date: 02/09/2023



Tested By: Jasper van Heemst
 Principal Scientist
 Date: 02/09/2023



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Mycotoxins by LC-MS/MS

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

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



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Microbials by PCR and Plating

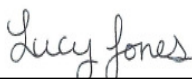
Analyte	LOD (CFU/g)	Result (CFU/g)	P/F
Total aerobic count	1	ND	P
Total coliforms	1	ND	P
Generic E. coli	1	ND	P
Salmonella spp.	1	ND	P
Shiga-toxin producing E. coli (STEC)	1	ND	P

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Date: 02/09/2023



Tested By: Lucy Jones
 Scientist

Date: 02/07/2023



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Residual Solvents by HS-GC-MS

Analyte	LOD (ppm)	LOQ (ppm)	Result (ppm)	P/F	Analyte	LOD (ppm)	LOQ (ppm)	Result (ppm)	P/F
Acetone	167	500	ND	P	Ethylene Glycol	21	62	ND	P
Acetonitrile	14	41	ND	P	Ethylene Oxide	0.5	1	ND	P
Benzene	0.5	1	ND	P	Heptane	167	500	ND	P
Butane	167	500	ND	P	n-Hexane	10	29	ND	P
1-Butanol	167	500	ND	P	Isobutane	167	500	ND	P
2-Butanol	167	500	ND	P	Isopropyl Acetate	167	500	ND	P
2-Butanone	167	500	ND	P	Isopropyl Alcohol	167	500	ND	P
Chloroform	2	6	ND	P	Isopropylbenzene	167	500	ND	P
Cyclohexane	129	388	ND	P	Methanol	100	300	ND	P
1,2-Dichloroethane	0.5	1	ND	P	2-Methylbutane	10	29	ND	P
1,2-Dimethoxyethane	4	10	ND	P	Methylene Chloride	20	60	ND	P
Dimethyl Sulfoxide	167	500	ND	P	2-Methylpentane	10	29	ND	P
N,N-Dimethylacetamide	37	109	ND	P	3-Methylpentane	10	29	ND	P
2,2-Dimethylbutane	10	29	ND	P	n-Pentane	167	500	ND	P
2,3-Dimethylbutane	10	29	ND	P	1-Pentanol	167	500	ND	P
N,N-Dimethylformamide	30	88	ND	P	n-Propane	167	500	ND	P
2,2-Dimethylpropane	167	500	ND	P	1-Propanol	167	500	ND	P
1,4-Dioxane	13	38	ND	P	Pyridine	7	20	ND	P
Ethanol	167	500	ND	P	Tetrahydrofuran	24	72	ND	P
2-Ethoxyethanol	6	16	ND	P	Toluene	30	89	ND	P
Ethyl Acetate	167	500	ND	P	Trichloroethylene	3	8	ND	P
Ethyl Ether	167	500	ND	P	Tetramethylene Sulfone	6	16	ND	P
Ethylbenzene	3	7	ND	P	Xylenes (o-, m-, and p-)	73	217	ND	P

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Tested By: Scott Caudill
 Senior Scientist
 Date: 02/09/2023



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Reporting Limit Appendix

Heavy Metals - Colorado CDPHE

Analyte	Limit (ppb)	Analyte	Limit (ppb)
Arsenic	1500	Lead	500
Cadmium	500	Mercury	1500

Microbials -

Analyte	Limit (CFU/g)	Analyte	Limit (CFU/g)
Total coliforms	100	Total aerobic count	100000

Residual Solvents - USP 467

Analyte	Limit (ppm)	Analyte	Limit (ppm)
Acetone	5000	Ethylene Glycol	620
Acetonitrile	410	Ethylene Oxide	1
Benzene	2	Heptane	5000
Butane	5000	n-Hexane	290
1-Butanol	5000	Isobutane	5000
2-Butanol	5000	Isopropyl Acetate	5000
2-Butanone	5000	Isopropyl Alcohol	5000
Chloroform	60	Isopropylbenzene	5000
Cyclohexane	3880	Methanol	3000
1,2-Dichloroethane	5	2-Methylbutane	290
1,2-Dimethoxyethane	100	Methylene Chloride	600
Dimethyl Sulfoxide	5000	2-Methylpentane	290
N,N-Dimethylacetamide	1090	3-Methylpentane	290
2,2-Dimethylbutane	290	n-Pentane	5000
2,3-Dimethylbutane	290	1-Pentanol	5000
N,N-Dimethylformamide	880	n-Propane	5000
2,2-Dimethylpropane	5000	1-Propanol	5000
1,4-Dioxane	380	Pyridine	200
Ethanol	5000	Tetrahydrofuran	720
2-Ethoxyethanol	160	Toluene	890
Ethyl Acetate	5000	Trichloroethylene	80
Ethyl Ether	5000	Tetramethylene Sulfone	160
Ethylbenzene	70	Xylenes (o-, m-, and p-)	2170

Pesticides - CA DCC

Analyte	Limit (ppb)	Analyte	Limit (ppb)
Aldicarb	30	Imidacloprid	3000
Azoxystrobin	40000	Kresoxim methyl	1000
Bifenazate	5000	Malathion	5000
Boscalid	10000	Metalaxyl	15000
Carbaryl	500	Methiocarb	30
Carbofuran	30	Methomyl	100
Chloranthraniliprole	40000	Mevinphos	30
Chlorfenapyr	30	Myclobutanil	9000
Chlorpyrifos	30	Naled	500
Clofentezine	500	Oxamyl	200
Coumaphos	30	Pacllobutrazol	30
Daminozide	30	Permethrin	20000
Diazinon	200	Phosmet	200
Dichlorvos	30	Piperonyl Butoxide	8000
Dimethoate	30	Prallethrin	400
Dimethomorph	20000	Propiconazole	20000
Ethoprophos	30	Propoxur	30
Etoazole	1500	Pyrethrins	1000
Fenhexamid	10000	Pyridaben	3000
Fenoxycarb	30	Spinetoram	3000
Fenpyroximate	2000	Spinosad	3000
Fipronil	30	Spiromesifen	12000
Flonicamid	2000	Spirotetramat	13000
Fludioxonil	30000	Spiroxamine	30

Mycotoxins - Colorado CDPHE

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

Pesticides - CA DCC

Analyte	Limit (ppb)	Analyte	Limit (ppb)
Acephate	5000	Hexythiazox	2000
Acetamiprid	5000	Imazalil	30

