

## HHCP-O

Sample ID: SA-221123-14349  
 Batch: HC8-HHCPO-0922  
 Type: Finished Products  
 Matrix: Concentrate - Distillate  
 Unit Mass (g):

Collected: 11/23/2022  
 Received: 11/28/2022  
 Completed: 12/30/2022

**Client**

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



## Summary

Test	Date Tested	Status
Cannabinoids	12/30/2022	Tested
Foreign Matter	11/29/2022	Tested
Heavy Metals	11/30/2022	Passed
Microbials	12/05/2022	Passed
Mycotoxins	12/02/2022	Passed
Pesticides	12/02/2022	Passed
Residual Solvents	12/02/2022	Passed

<b>ND</b> Total Δ9-THC	<b>80.3 %</b> 9R-HHCP acetate	<b>93.0 %</b> Total Cannabinoids	<b>Not Tested</b> Moisture Content	<b>Not Detected</b> Foreign Matter	<b>Yes</b> Internal Standard Normalization
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## Cannabinoids by HPLC-PDA, LC-MS/MS, and/or GC-MS/MS

Analyte	LOD (%)	LOQ (%)	Result (%)	Result (mg/g)
CBC	0.0095	0.0284	ND	ND
CBD	0.0081	0.0242	ND	ND
CBDV	0.0061	0.0182	ND	ND
CBG	0.0057	0.0172	ND	ND
CBL	0.0112	0.0335	ND	ND
CBN	0.0056	0.0169	ND	ND
CBT	0.018	0.054	ND	ND
Δ8-THC	0.0104	0.0312	ND	ND
Δ9-THC	0.0076	0.0227	ND	ND
Δ9-THCV	0.0069	0.0206	ND	ND
(6aR,9R,10aR)-HHC	0.0067	0.02	ND	ND
(6aR,9S,10aR)-HHC	0.0067	0.02	ND	ND
9R-HHCP	0.0067	0.02	ND	ND
9S-HHCP	0.0067	0.02	ND	ND
9R-HHCP acetate		0.02	80.3	803
9S-HHCP acetate	0.0067	0.02	12.7	127
<b>Total Δ9-THC</b>			<b>ND</b>	<b>ND</b>
<b>Total CBD</b>			<b>ND</b>	<b>ND</b>
<b>Total</b>			<b>93.0</b>	<b>930</b>

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;



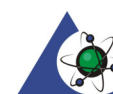
Generated By: Ryan Bellone  
 CCO  
 Date: 01/18/2023



Tested By: Jared Burkhart  
 Technical Manager  
 Date: 12/30/2022



ISO/IEC 17025:2017 Accredited  
 Accreditation #108651



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## Heavy Metals by ICP-MS

Analyte	LOD (ppb)	LOQ (ppb)	Result (ppb)	P/F
Arsenic	2	20	ND	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: 01/18/2023



Tested By: Kelsey Rogers  
 Scientist

Date: 11/30/2022



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**Pesticides by LC-MS/MS and GC-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
Bifenthrin	30	100	ND	P	Metaxyl	30	100	ND	P
Boscalid	30	100	ND	P	Methiocarb	30	100	ND	P
Carbaryl	30	100	ND	P	Methomyl	30	100	ND	P
Carbofuran	30	100	ND	P	Mevinphos	30	100	ND	P
Chloranthraniliprole	30	100	ND	P	Myclobutanil	30	100	ND	P
Chlorfenapyr	30	100	ND	P	Oxamyl	30	100	ND	P
Chlorpyrifos	30	100	ND	P	Paclobutrazol	30	100	ND	P
Clofentezine	30	100	ND	P	Permethrin	30	100	ND	P
Coumaphos	30	100	ND	P	Phosmet	30	100	ND	P
Daminozide	30	100	ND	P	Piperonyl Butoxide	30	100	ND	P
Diazinon	30	100	ND	P	Prallethrin	30	100	ND	P
Dichlorvos	30	100	ND	P	Propiconazole	30	100	ND	P
Dimethoate	30	100	ND	P	Propoxur	30	100	ND	P
Dimethomorph	30	100	ND	P	Pyrethrins	30	100	ND	P
Ethoprophos	30	100	ND	P	Pyridaben	30	100	ND	P
Etofenprox	30	100	ND	P	Spinetoram	30	100	ND	P
Etazoxole	30	100	ND	P	Spinosad	30	100	ND	P
Fenhexamid	30	100	ND	P	Spiromesifen	30	100	ND	P
Fenoxycarb	30	100	ND	P	Spirotetramat	30	100	ND	P
Fenpyroximate	30	100	ND	P	Spiroxamine	30	100	ND	P
Fipronil	30	100	ND	P	Tebuconazole	30	100	ND	P
Flonicamid	30	100	ND	P	Thiacloprid	30	100	ND	P
Fludioxonil	30	100	ND	P	Thiamethoxam	30	100	ND	P
					Trifloxystrobin	30	100	ND	P

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



Generated By: Ryan Bellone  
 CCO  
 Date: 01/18/2023



Tested By: Jared Burkhart  
 Technical Manager  
 Date: 12/02/2022



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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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Tested By: Jared Burkhart  
 Technical Manager  
 Date: 12/02/2022



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## Microbials by PCR and Plating

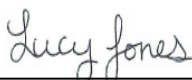
Analyte	LOD (CFU/g)	Result (CFU/g)	P/F
Total aerobic count	1	ND	P
Total coliforms	1	ND	P
Generic E. coli	1	ND	P
Salmonella spp.	1	ND	P
Shiga-toxin producing E. coli (STEC)	1	ND	P

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  
 CCO

Date: 01/18/2023



Tested By: Lucy Jones  
 Scientist

Date: 12/05/2022



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**Residual Solvents by HS-GC-MS/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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Generated By: Ryan Bellone  
 CCO  
 Date: 01/18/2023



Tested By: Scott Caudill  
 Senior Scientist  
 Date: 12/02/2022





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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
Bifenthrin	500	Metalaxyl	15000
Boscalid	10000	Methiocarb	30
Carbaryl	500	Methomyl	100
Carbofuran	30	Mevinphos	30
Chloranthraniliprole	40000	Myclobutanil	9000
Chlorfenapyr	30	Oxamyl	200
Chlorpyrifos	30	Paclobutrazol	30
Clofentezine	500	Permethrin	20000
Coumaphos	30	Phosmet	200
Daminozide	30	Piperonyl Butoxide	8000
Diazinon	200	Prallethrin	400
Dichlorvos	30	Propiconazole	20000
Dimethoate	30	Propoxur	30
Dimethomorph	20000	Pyrethrins	1000
Ethoprophos	30	Pyridaben	3000
Etofenprox	30	Spinetoram	3000
Etoazazole	1500	Spinosad	3000
Fenhexamid	10000	Spiromesifen	12000
Fenoxycarb	30	Spirotetramat	13000
Fenpyroximate	2000	Spiroxamine	30
Fipronil	30	Tebuconazole	2000
Fonicamid	2000	Thiacloprid	30
Fludioxonil	30000	Thiamethoxam	4500

### 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

