



DEA No. RA0571996
FL License # CMTL-0003
CLIA No. 10D1094068

Certificate of Analysis

Compliance Test

The Hemp Doctor
510 River Highway
Suite 16
Mooresville, North Carolina 28117

Batch # 10.07.22 HHCP Blend
Batch Date: 2022-10-07
Extracted From: Isolate

Sampling Method: MSP 7.3.1
Test Reg State: Colorado

Order # HEM221007-020001
Order Date: 2022-10-07
Sample # AADN728

Sampling Date: 2022-10-10
Lab Batch Date: 2022-10-10
Completion Date: 2022-10-19

Initial Gross Weight: 258.500 g



Product Image

Potency
Tested

HHC Metals
Passed

HHCP
Tested

Mycotoxins
Passed

Pesticides
Passed

Residual Solvents
Passed

Listeria Monocytogenes
Passed

Pathogenic
Passed

Potency 21 (LCUV)		Tested	
Specimen Weight: 59.470 mg		SOP13.002 (LCUV)	
Analyte	Dilution (1:n)	LOD (%)	LOQ (%)
Delta-8 THC	1000.000	2.60E-5	0.0015
CBN	100.000	1.40E-5	0.0015
CBD	100.000	5.40E-5	0.0015
CBC	100.000	1.80E-5	0.0015
Delta-8 THCV	10.000	4.00E-5	0.0015
Delta-8 THC-O Acetate	10.000	2.70E-5	0.0003
CBNA	10.000	9.50E-5	0.0015
CBT	10.000	2.00E-4	0.0015
CBGA	10.000	8.00E-5	0.0015
CBG	10.000	2.48E-4	0.0015
THCV	10.000	7.00E-6	0.0015
CBCA	10.000	1.07E-4	0.0015
CBDA	10.000	1.00E-5	0.0015
CBDV	10.000	6.50E-5	0.0015
CBDA	10.000	1.40E-5	0.0015
CBL	10.000	3.50E-5	0.0015
Delta-9 THC	100.000	1.30E-5	0.0015
Delta-9 THC-O Acetate	10.000	7.70E-5	0.0003
Exo-THC	10.000	2.30E-4	0.0015
THCA	10.000	3.20E-5	0.0015
THCVA	10.000	4.70E-5	0.0015

Potency Summary

Total HHC 35.093%	Total Active THC None Detected
Total Active CBD 3.876%	Total CBG 0.110%
Total CBN 14.758%	Other Cannabinoids 37.698%
Total Cannabinoids 91.534%	

Xueli Gao
Lab Toxicologist

Aixa Sun
Lab Director/Principal Scientist
D.H.Sc., M.Sc., B.Sc., MT (AAB)



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Completion Date: 2022-10-19

Initial Gross Weight: 258.500 g

Pesticides - CO
Specimen Weight: 592.900 mg
Dilution Factor: 2.530

Passed

SOP 14.003 (LCMS/GCMS)

Analyte	LOD (ppb)	LOQ (ppb)	Action Limit (ppb)	Result (ppb)	Analyte	LOD (ppb)	LOQ (ppb)	Action Limit (ppb)	Result (ppb)	Analyte	LOD (ppb)	LOQ (ppb)	Action Limit (ppb)	Result (ppb)
Abamectin	3.1800E-4	250	250	<LOQ	Dodemorph	6.4700E-12	50	*	<LOQ	Naled	5.8500E-6	100	*	<LOQ
Acephate	3.9632E-2	50	50	<LOQ	Endosulfan sulfate	8.8376E-1	2500	2500	<LOQ	Novaluron	2.0500E-4	25	25	<LOQ
Acequinocyl	5.7646E-2	30	*	<LOQ	Endosulfan-alpha	1.2220E+1	2500	2500	<LOQ	Oxamyl	1.6190E-3	1500	1500	<LOQ
Acetamiprid	3.3800E-10	50	50	<LOQ	Endosulfan-beta	2.2760E+1	2500	2500	<LOQ	Paclobutrazol	6.9300E-8	10	10	<LOQ
Aldicarb	2.2744E-2	500	500	<LOQ	Ethoprophos	1.5900E-5	10	10	<LOQ	Pentachloronitrobenzen(Quintozene)	4.3900E+0	20	*	<LOQ
Allethrin	4.7244E-1	100	100	<LOQ	Etofenprox	8.3050E-3	50	*	<LOQ	Permethrin	2.2089E-2	500	*	<LOQ
Atrazine	3.7992E-1	25	*	<LOQ	Etoxazole	8.3558E-1	20	*	<LOQ	Phenothrin	2.1200E-7	50	*	<LOQ
Azadirachtin	3.0710E-3	500	500	<LOQ	Etridiazole	4.0200E+0	150	150	<LOQ	Phosmet	9.6150E-3	20	*	<LOQ
Azoxystrobin	1.3247E-2	10	10	<LOQ	Fenhexamid	1.0947E+0	125	*	<LOQ	Piperonylbutoxide	1.3400E-7	1250	1250	<LOQ
Benzovindiflupyr	1.2567E-2	10	10	<LOQ	Fenoxycarb	3.4507E-1	10	10	<LOQ	Prirnicarb	5.6600E-5	10	10	<LOQ
Bifenazate	2.1700E-8	10	10	<LOQ	Fenpyroximate	4.4800E-7	20	*	<LOQ	Prallethrin	1.6732E-1	50	*	<LOQ
Bifenthrin	8.4200E-4	1000	*	<LOQ	Fensulfothion	7.9400E-4	10	10	<LOQ	Propiconazole	2.1300E-14	10	*	<LOQ
Boscalid	4.3300E-6	10	10	<LOQ	Fenthion	4.9113E+0	10	10	<LOQ	Propoxur	3.5081E-1	10	10	<LOQ
Buprofezin	1.6600E-9	20	*	<LOQ	Fenvalerate	5.9775E-1	100	*	<LOQ	Pyraclostrobin	5.3100E-7	10	10	<LOQ
Carbaryl	1.3800E-5	25	25	<LOQ	Fipronil	2.8847E-2	10	10	<LOQ	Pyrethrins	6.2350E-3	50	*	<LOQ
Carbofuran	7.7600E-5	10	10	<LOQ	Fonicamid	6.9733E-2	25	25	<LOQ	Pyridaben	8.7500E-15	20	20	<LOQ
Chlorantraniliprole	1.3559E-1	20	*	<LOQ	Fludioxonil	1.3402E-2	10	10	<LOQ	Pyriproxyfen	9.5800E-5	10	*	<LOQ
Chlorfenapyr	1.5370E+1	1500	1500	<LOQ	Fluopyram	1.1200E-9	10	10	<LOQ	Resmethrin	6.8013E-2	50	50	<LOQ
Chlorpyrifos	9.0900E-5	500	500	<LOQ	Hexythiazox	6.1900E-5	10	*	<LOQ	Spinetoram	2.3645E-2	10	10	<LOQ
Clofentezine	3.7100E-7	10	10	<LOQ	Imazalil	2.9500E-4	10	10	<LOQ	Spinosad	5.9903E-1	10	10	<LOQ
Clothianidin	3.9900E-4	25	25	<LOQ	Imidacloprid	1.5300E-4	10	10	<LOQ	Spirodiclofen	3.7377E+6	250	*	<LOQ
Coumaphos	9.8600E-5	10	10	<LOQ	Iprodione	1.0554E-1	500	500	<LOQ	Spiromesifen	3.2183E-1	3000	*	<LOQ
Cyfluthrin	6.0040E-3	10	10	<LOQ	Kinoprene	3.4000E+0	500	1250	<LOQ	Spirotetramat	4.2760E-2	10	10	<LOQ
Cyfluthrin	2.8130E+1	200	*	<LOQ	Kresoxim Methyl	1.4500E-4	150	150	<LOQ	Spiroxamine	1.2172E+0	100	*	<LOQ
Cypermethrin	1.1900E-6	300	*	<LOQ	Lambda Cyhalothrin	1.1686E-1	250	*	<LOQ	Tebuconazole	1.4800E-14	10	10	<LOQ
Cyprodinil	1.1410E-3	10	10	<LOQ	Malathion	1.3300E-4	10	10	<LOQ	Tebufenozide	1.8121E-2	10	10	<LOQ
Daminozide	3.0408E-1	100	*	<LOQ	Metalaxyl	4.8600E-5	10	10	<LOQ	Teflubenzuron	1.6620E-2	25	25	<LOQ
Deltamethrin	4.9284E-1	500	*	<LOQ	Methiocarb	2.2810E-3	10	10	<LOQ	Tetrachlorvinphos	8.3913E-1	10	10	<LOQ
Diazinon	3.9100E-10	20	*	<LOQ	Methomyl	1.1500E-6	25	25	<LOQ	Tetramethrin	9.9200E-5	100	*	<LOQ
Dichlorvos	1.1406E+0	50	50	<LOQ	Methoprene	1.1485E+0	2000	*	<LOQ	Thiabendazole	1.2510E-3	20	*	<LOQ
Dimethoate	2.8400E-6	10	10	<LOQ	methyl-Parathion	4.2400E+0	50	*	<LOQ	Thiacloprid	1.1200E-5	10	10	<LOQ
Dimethomorph	1.5700E-4	50	*	<LOQ	Mevinphos	4.4200E-5	25	25	<LOQ	Thiamethoxam	2.2500E-6	10	10	<LOQ
Dinotefuran	2.3697E-1	50	50	<LOQ	MGK-264	2.5880E-3	50	*	<LOQ	Thiophanate-methyl	2.2300E-4	50	*	<LOQ
Diuron	6.8620E-3	125	*	<LOQ	Myclobutanil	7.0006E-1	10	10	<LOQ	Trifloxystrobin	2.1700E-13	10	10	<LOQ

Xueli Gao
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Lab Toxicologist

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Lab Director/Principal Scientist



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Initial Gross Weight: 258.500 g



Residual Solvents - CO

Specimen Weight: 303.900 mg

Dilution Factor: 1.000

Analyte	LOD (ppm)	LOQ (ppm)	Action Limit (ppm)	Result (ppm)
Acetone	0.015	2.08	1000	<LOQ
Benzene	0.0002	0.02	2	<LOQ
Butanes	0.4167	2.5	1000	<LOQ
Ethanol	0.0021	2.78	1000	250.082
Ethyl Acetate	0.0012	1.11	1000	<LOQ
Heptane	0.0013	1.39	1000	146.504
Hexane	0.068	1.17	60	<LOQ

Passed

SOP13.039 (GCMS)



Pathogenic SAE (qPCR) - CO

Specimen Weight: 25.499 g

Dilution Factor: 1.000

Analyte	Action Limit (cfu/g)	Result (cfu/g)
Aspergillus (Flavus, Fumigatus, Niger, Terreus)	1	Absence in 1g
Salmonella	25	Absence in 25g

Passed

SOP13.029 (qPCR)



HHC Metals

Specimen Weight: 247.150 mg

Dilution Factor: 202.306

Analyte	LOD (ppb)	LOQ (ppb)	Action Limit (ppb)	Result (ppb)
Arsenic (As)	1.9E-2	100	200	<LOQ
Cadmium (Cd)	4.0E-3	100	200	<LOQ
Lead (Pb)	1.0E-2	100	500	<LOQ
Mercury (Hg)	4.4E-2	100	200	<LOQ
Nickel (Ni)	1.5E-1	250	500	<LOQ
Palladium (Pd)	7.0E-3	50	100	<LOQ
Platinum (Pt)	1.3E-2	50	100	<LOQ
Zinc (Zn)	4.1E-1	1000	na	<LOQ

Passed

SOP13.051 (ICP-MS)



Listeria Monocytogenes

Specimen Weight: 993.600 mg

Dilution Factor: 1.000

Analyte	Action Limit (cfu/g)	Result
Listeria Monocytogenes	1	Absence in 1g

Passed

SOP13.032 (qPCR)

HHCP

HHCP

Specimen Weight: 59.470 mg

Dilution Factor: 5000.000

Analyte	LOD (%)	LOQ (%)	Result (mg/g)
(9R)-HHCP	3.1100E-7	7.5E-5	320.0000
(9S)-HHCP	8.7400E-7	7.5E-5	29.5000
(±)-9R-hydroxy-HHCP	4.5800E-7	7.5E-5	1.4300
9(R)-HHCP	3.0900E-6	7.5E-5	<LOQ

Tested

SOP13.050 (LCMS)



Mycotoxins - CO

Specimen Weight: 592.900 mg

Dilution Factor: 2.530

Analyte	LOD (ppb)	LOQ (ppb)	Action Limit (ppb)	Result (ppb)
Aflatoxin B1	3.7250E-1	2.5	5	<LOQ
Aflatoxin Total		2.5	20	<LOQ
Ochratoxin A	1.8997E-1	3.5	5	<LOQ

Passed

SOP14.003 (LCMS)

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