

Certificate of Analysis

Order #: HEA200828-020009 Order Date: 2020-08-28 Collection Date: 2020-09-01 Report Date: 2020-09-22

Batch #: T0623820
Sample #: AAA0337
Specimen Type: CBD/HEMP Derivative Products (Ingestion)
Extracted From: Hemp
Description: Unflavored CHT Juice

Initial Gross Weight: 10.318 g
Method: SOP-3



Potency Tested	Terpenes Tested	Heavy Metals Passed
Mycotoxins Passed	Pesticides Passed	Residual Solvents Passed
Listeria Monocytogenes Passed	Pathogenic Passed	



The photos on this report are of a sample collected by the lab and may vary from the final packaging.

Total CBD Not Detected	Total THC Not Detected	Total CBG Not Detected
Total CBN Not Detected	Other Cannabinoids Not Detected	Total Cannabinoids Not Detected

Potency - 11 (Tested)

(HPLC/LCMS)

Analyte	Result (mg/g)	(%)	LOQ (%)	Analyte	Result (mg/g)	(%)	LOQ (%)	Analyte	Result (mg/g)	(%)	LOQ (%)
CBC	<LOQ		0.001	CBD	<LOQ		0.001	CBDA	<LOQ		0.001
CBDV	<LOQ		0.001	CBG	<LOQ		0.001	CBGA	<LOQ		0.001
CBN	<LOQ		0.001	Delta-8 THC	<LOQ		0.001	Delta-9 THC	<LOQ		0.001
THCA-A	<LOQ		0.001	THCV	<LOQ		0.001	Total CBD	<LOQ		0.001
Total THC	<LOQ		0.001								

*Total CBD = CBD + (CBD-A * 0.877), *Total THC = THCA-A * 0.877 + Delta 9 THC, *CBG Total = (CBGA * 0.877) + CBG, *CBN Total = (CBNA * 0.877) + CBN, *Other Cannabinoids Total = CBC + CBDV + THCV + THCV-A, *Total Detected Cannabinoids = CBD Total + CBG Total + CBN Total + THC Total + CBC + CBDV + THCV + THCV-A (mg/g) = Milligram per Gram, , LOQ = Limit of Quantitation, , LOD = Limit of Detection

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Terpenes - FL (Tested)

(GC/GCMS)

Analyte	Result (mg/g)	(%)	LOQ (%)	Analyte	Result (mg/g)	(%)	LOQ (%)	Analyte	Result (mg/g)	(%)	LOQ (%)
(+)-Cedrol	<LOQ		0.02	(R)-(+)-Limonene	<LOQ		0.02	3-Carene	<LOQ		0.02
Alpha-Bisabolol	<LOQ		0.02	alpha-Cedrene	<LOQ		0.02	alpha-Farnesene	<LOQ		0.01
alpha-Humulene	<LOQ		0.02	alpha-Phellandrene	<LOQ		0.02	Alpha-Pinene	<LOQ		0.02
beta-Farnesene	<LOQ		0.01	Beta-Myrcene	<LOQ		0.02	Alpha-Terpinene	<LOQ		0.02
Borneol	<LOQ		0.04	Camphene	<LOQ		0.02	Beta-Pinene	<LOQ		0.02
Caryophyllene oxide	<LOQ		0.02	cis-Nerolidol	<LOQ		0.02	Camphors	<LOQ		0.04
Fenchyl Alcohol	<LOQ		0.02	Farnesene	<LOQ		0.02	Eucalyptol	<LOQ		0.02
Guaiol	<LOQ		0.02	Gamma-Terpinene	<LOQ		0.02	Fenchone	<LOQ		0.02
Isopulegol	<LOQ		0.02	Hexahydrothymol	<LOQ		0.02	Geraniol	<LOQ		0.02
Ocimene	<LOQ		0.014	Linalool	<LOQ		0.02	Geranyl acetate	<LOQ		0.02
Sabinene Hydrate	<LOQ		0.02	Pulegone	<LOQ		0.02	Isoborneol	<LOQ		0.02
trans-beta-Ocimene	<LOQ		0.006	Terpineol	<LOQ		0.02	Nerol	<LOQ		0.02
				Trans-Caryophyllene	<LOQ		0.02	Sabinene	<LOQ		0.02
								Terpinolene	<LOQ		0.02
								trans-Nerolidol	<LOQ		0.02
								Valencene	<LOQ		0.02

(mg/g) = Milligram per Gram, , LOQ = Limit of Quantitation

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Heavy Metals (Passed)

(ICP-MS)

Analyte	Action Level (ppb)	Result (ppb)	LOQ (ppb)	Analyte	Action Level (ppb)	Result (ppb)	LOQ (ppb)	Analyte	Action Level (ppb)	Result (ppb)	LOQ (ppb)
Arsenic (As)	1500	<LOQ	100	Cadmium (Cd)	500	<LOQ	100	Lead (Pb)	500	<LOQ	100
Mercury (Hg)	3000	<LOQ	100								

(ppb) = Parts per Billion, (ppb) = (µg/kg), , LOQ = Limit of Quantitation

Mycotoxins (Passed)

(LCMS/API/GCMS)

Analyte	Action Level (ppb)	Result (ppb)	LOQ (ppb)	Analyte	Action Level (ppb)	Result (ppb)	LOQ (ppb)	Analyte	Action Level (ppb)	Result (ppb)	LOQ (ppb)
Aflatoxin B1	20	<LOQ	6	Aflatoxin B2	20	<LOQ	6	Aflatoxin G1	20	<LOQ	6
Aflatoxin G2	20	<LOQ	6	Aflatoxin Total	20	<LOQ	6	Ochratoxin A	20	<LOQ	12

(ppb) = Parts per Billion, (ppb) = (µg/kg), , LOQ = Limit of Quantitation

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Pesticides FL V4 (Non-Inhalable) (Passed)

(LCMS/API/GCMS)

Analyte	Action Level (ppb)	Result (ppb)	LOQ (ppb)	Analyte	Action Level (ppb)	Result (ppb)	LOQ (ppb)	Analyte	Action Level (ppb)	Result (ppb)	LOQ (ppb)
Abamectin	300	<LOQ	28.23	Acephate	3000	<LOQ	30	Acequinocyl	2000	<LOQ	48
Acetamiprid	3000	<LOQ	30	Aldicarb	100	<LOQ	30	Azoxystrobin	3000	<LOQ	10
Bifentazate	3000	<LOQ	30	Bifenthrin	500	<LOQ	30	Boscalid	3000	<LOQ	10
Captan	3000	<LOQ	30	Carbaryl	500	<LOQ	10	Carbaryl	500	<LOQ	10
Carbofuran	100	<LOQ	10	Chlorantraniliprole	3000	<LOQ	10	Chlordane	100	<LOQ	10
Chlorfenapyr	100	<LOQ	30	Chloromequat Chloride	3000	<LOQ	10	Chlorpyrifos	100	<LOQ	30
Coumaphos	100	<LOQ	48	Cyfluthrin	1000	<LOQ	30	Clofentezine	500	<LOQ	30
Daminozide	100	<LOQ	30	Diazinon	200	<LOQ	30	Cypermethrin	1000	<LOQ	30
Dimethoate	100	<LOQ	30	Dimethomorph	3000	<LOQ	48	Dichlorvos	100	<LOQ	30
Etofenprox	100	<LOQ	30	Etoazole	1500	<LOQ	30	Ethoprophos	100	<LOQ	30
Fenoxycarb	100	<LOQ	30	Fenpyroximate	2000	<LOQ	30	Fenhexamid	3000	<LOQ	10
Fonicamid	2000	<LOQ	30	Fludioxonil	3000	<LOQ	48	Fipronil	100	<LOQ	30
Imazalil	100	<LOQ	30	Imidacloprid	3000	<LOQ	30	Hexythiazox	2000	<LOQ	30
Malathion	2000	<LOQ	30	Metalaxyl	3000	<LOQ	10	Kresoxim Methyl	1000	<LOQ	30
Methomyl	100	<LOQ	30	methyl-Parathion	100	<LOQ	10	Methiocarb	100	<LOQ	30
Myclobutanil	3000	<LOQ	30	Naled	500	<LOQ	30	Mevinphos	100	<LOQ	10
Paclobutrazol	100	<LOQ	30	Pentachloronitrobenzene	200	<LOQ	10	Oxamyl	500	<LOQ	30
Permethrintrans	1000	<LOQ	30	Phosmet	200	<LOQ	30	Permethrin	1000	<LOQ	30
Prallethrin	400	<LOQ	30	Propiconazole	1000	<LOQ	30	Permethrincis	1000	<LOQ	30
Pyrethrins	1000	<LOQ	30	PyrethrinsPyrethrin 1	1000	<LOQ	30	Piperonylbutoxide	3000	<LOQ	30
Pyridaben	3000	<LOQ	30	Spinetoram	3000	<LOQ	10	Propoxur	100	<LOQ	30
Spinosyn A	3000	<LOQ	10	Spinosyn D	3000	<LOQ	10	PyrethrinsPyrethrin 2	1000	<LOQ	30
Spirotetramat	3000	<LOQ	30	Spiroxamine	100	<LOQ	30	Spinosad	3000	<LOQ	30
Thiacloprid	100	<LOQ	30	Thiamethoxam	1000	<LOQ	30	Spiromesifen	3000	<LOQ	30
								Tebuconazole	1000	<LOQ	30
								Trifloxystrobin	3000	<LOQ	30

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Residual Solvents (CBD) (Passed)

(GC/GCMS)

Analyte	Action Level (ppm)	Result (ppm)	LOQ (ppm)	Analyte	Action Level (ppm)	Result (ppm)	LOQ (ppm)	Analyte	Action Level (ppm)	Result (ppm)	LOQ (ppm)
1,1-Dichloroethene	8	<LOQ	0.132	1,2-dichloroethane	5	<LOQ	0.032	Acetone	5000	<LOQ	12
Benzene	2	<LOQ	0.016	Butanes	2000	<LOQ	13.32	Acetonitrile	410	<LOQ	0.96
Ethanol	5000	125581.509	16	Ethyl Acetate	5000	<LOQ	6.4	Chloroform	60	<LOQ	0.032
Ethylene Oxide	5	<LOQ	0.32	Heptane	5000	<LOQ	8	Ethyl Ether	5000	<LOQ	8
Isopropyl alcohol	500	<LOQ	8	Methanol	3000	<LOQ	4	Hexane	290	<LOQ	0.8
Naphtha		<LOQ	6.4	Pentane	5000	<LOQ	12	Methylene chloride	600	<LOQ	2
Petroleum Ether-1	400	<LOQ	6.4	Petroleum Ether-2	400	<LOQ	6.4	Petroleum Ether-3	400	<LOQ	6.4
Propane	2100	<LOQ	26.668	Toluene	890	<LOQ	2.4	Total Xylenes	2170	<LOQ	7.2
Trichloroethylene	80	<LOQ	0.4	Xylenes(o)	2170	<LOQ	7.2	Xylenes(p/m)	2170	<LOQ	7.2

(ppm) = Parts per Million, (ppm) = (µg/g), LOQ = Limit of Quantitation

Listeria Monocytogenes (Passed)

(qPCR)

Analyte	Result
Listeria Monocytogenes	Absence in 1g

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Pathogenic SE (qPCR) (Passed)

(qPCR)

Analyte	Result (cfu/g)	Analyte	Result (cfu/g)
E.Coli	Absence	Salmonella	Absence

(cfu/g) = Colony Forming Unit per Gram

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