

Certificate of Analysis

Order #: TRU200608-030026 Order Date: 2020-06-08 Collection Date: 2020-06-10 Report Date: 2020-06-12

Batch #: XGznE8T
Sample #: AAAH633
Specimen Type: CBD/HEMP Edibles (Ingestion)
Extracted From: Hemp
Description: CBD gummies (Vegan - Made with pectin)

Initial Gross Weight: 60612 mg
Net Weight: 3691 mg
Method: SOP-3



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



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

CBD Total 0.8711% 32.1523mg per piece	THC Total 0.0018% 0.0663mg	CBG Total Not Detected
	CBN Total Not Detected	Other Cannabinoids 0.0017% 0.0615mg
Total Cannabinoids 0.8746% 32.2800mg		

Potency - 11 (Tested)

(HPLC/LCMSMS)

Analyte	Result (mg/g)	(%)	LOQ (%)	Analyte	Result (mg/g)	(%)	LOQ (%)	Analyte	Result (mg/g)	(%)	LOQ (%)
CBC	<LOQ	0.001	0.001	CBD	8.711	0.871	0.001	CBDA	<LOQ	0.001	0.001
CBDV	0.017	0.002	0.001	CBG	<LOQ	0.001	0.001	CBGA	<LOQ	0.001	0.001
CBN	<LOQ	0.001	0.001	Delta-8 THC	<LOQ	0.001	0.001	Delta-9 THC	0.018	0.002	0.001
THCA-A	<LOQ	0.001	0.001	THCV	<LOQ	0.001	0.001	Total CBD	8.711	0.871	0.001
Total THC	0.018	0.002	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, *Total (mg) = Total (%) + 100 * Net Weight(mg) (mg/g) = Milligram per Gram, .LOQ = Limit of Quantitation

Xueli Gao

Xueli Gao
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Lab Toxicologist

Aixia Sun

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Order #: TRU200515-010020 Order Date: 2020-05-15 Collection Date: 2020-05-19 Report Date: 2020-05-26

Batch #: rRCAwLX
Sample #: AAAG607
Specimen Type: CBD/HEMP Edibles (Ingestion)
Extracted From: Hemp
Description: CBD Gummies

Initial Gross Weight: 69501 mg
Net Weight: 4058 mg
Method: SOP-3



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/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)
Aflatoxin B1		<LOQ	6	Aflatoxin B2		<LOQ	6	Aflatoxin G1		<LOQ	6
Aflatoxin G2		<LOQ	6	Aflatoxin Total	20	<LOQ	6	Ochratoxin A	20	<LOQ	12

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Order #: TRU200515-010020

Order Date: 2020-05-15

Collection Date: 2020-05-19

Report Date: 2020-05-26

Batch #: rCAwLX
Sample #: AAAG607
Specimen Type: CBD/HEMP Edibles (Ingestion)
Extracted From: Hemp
Description: CBD Gummies

Initial Gross Weight: 69501 mg
Net Weight: 4058 mg
Method: SOP-3



Terpenes - FL (Tested)

(GC/GCMS)

Analyte	Result (mg/g)	(%)	LOQ (%)	Analyte	Result (mg/g)	(%)	LOQ (%)	Analyte	Result (mg/g)	(%)	LOQ (%)
(+)-Cedrol	<LOQ		0.001	(R)-(+)-Limonene	<LOQ		0.001	3-Carene	<LOQ		0.001
Alpha-Bisabolol	<LOQ		0.001	alpha-Cedrene	<LOQ		0.001	alpha-Humulene	<LOQ		0.001
alpha-Phellandrene	<LOQ		0.001	Alpha-Pinene	<LOQ		0.001	Alpha-Terpinene	<LOQ		0.001
Borneol	<LOQ		0.001	Beta-Myrcene	<LOQ		0.001	Beta-Pinene	<LOQ		0.001
Caryophyllene oxide	<LOQ		0.001	Camphene	<LOQ		0.001	Camphors	<LOQ		0.001
Fenchyl Alcohol	<LOQ		0.001	cis-Nerolidol	<LOQ		0.001	Eucalyptol	<LOQ		0.001
Guaiol	<LOQ		0.001	Farnesene	<LOQ		0.001	Fenchone	<LOQ		0.001
Isopulegol	<LOQ		0.001	Gamma-Terpinene	<LOQ		0.001	Geraniol	<LOQ		0.001
Ocimene	<LOQ		0.001	Hexahydrothymol	<LOQ		0.001	Geranyl acetate	<LOQ		0.001
Sabinene Hydrate	<LOQ		0.001	Linalool	<LOQ		0.001	Isoborneol	<LOQ		0.001
trans-beta-Ocimene	<LOQ		0.001	Linalool	<LOQ		0.001	Nerol	<LOQ		0.001
				Pulegone	<LOQ		0.001	Sabinene	<LOQ		0.001
				Terpineol	<LOQ		0.001	Terpinolene	<LOQ		0.001
				Trans-Caryophyllene	<LOQ		0.001	trans-Nerolidol	<LOQ		0.001
								Valencene	<LOQ		0.001

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

Pathogenic Microbiology #1 (MMTC Compliance Panel) (Passed)

(Micro Array)

Analyte	Result	Analyte	Result	Analyte	Result
Aspergillus flavus	Absence	Aspergillus fumigatus	Absence	Aspergillus niger	Absence
Salmonella	Absence	STEC E. Coli	Absence	Aspergillus terreus	Absence

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Method: SOP-3



Residual Solvents - FL (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	<LOQ	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
Pentane	5000	<LOQ	12	Petroleum Ether	400	<LOQ	6.4	Methylene chloride	600	<LOQ	2
Toluene	890	<LOQ	2.4	Total Xylenes	2170	<LOQ	7.2	Propane	2100	<LOQ	26.668
Xylenes(o)	2170	<LOQ	7.2	Xylenes(p/m)	2170	<LOQ	7.2	Trichloroethene	80	<LOQ	0.4

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

Listeria Monocytogenes (Passed)

(qPCR)

Analyte	Remark
Listeria Monocytogenes	Absence

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Method: SOP-3



Pesticides FL V4 (Non-Inhalable) (Passed)

(LCMS/MS)

Analyte	Action Level	Result	LOQ	Analyte	Action Level	Result	LOQ	Analyte	Action Level	Result	LOQ
Abamectin	300	<LOQ	28.23	Abamectin A	300	<LOQ	28.23	Acephate	3000	<LOQ	30
Acequinocyl	2000	<LOQ	48	Acetamiprid	3000	<LOQ	30	Aldicarb	100	<LOQ	30
Azoxystrobin	3000	<LOQ	10	Bifenazate	3000	<LOQ	30	Bifenthrin	500	<LOQ	30
Boscalid	3000	<LOQ	10	Captan	3000	<LOQ	30	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	Etoxazole	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	Malathion A	1000	<LOQ	30	Kresoxim Methyl	1000	<LOQ	30
Methiocarb	100	<LOQ	30	Methomyl	100	<LOQ	30	Metalaxyl	3000	<LOQ	10
Mevinphos	100	<LOQ	10	Myclobutanil	3000	<LOQ	30	methyl-Parathion	100	<LOQ	10
Oxamyl	500	<LOQ	30	Paclobutrazol	100	<LOQ	30	Naled	500	<LOQ	30
Permethrin	1000	<LOQ	30	Phosmet	200	<LOQ	30	Pentachloronitrobenzene	200	<LOQ	10
Prallethrin	400	<LOQ	30	Propiconazole	1000	<LOQ	30	Piperonylbutoxide	3000	<LOQ	30
Pyrethrins	1000	<LOQ	30	Pyridaben	3000	<LOQ	30	Propoxur	100	<LOQ	30
Spinosad	3000	<LOQ	30	Spiromesifen	3000	<LOQ	30	Spinetoram	3000	<LOQ	10
Spiroxamine	100	<LOQ	30	Tebuconazole	1000	<LOQ	30	Spirotetramat	3000	<LOQ	30
Thiamethoxam	1000	<LOQ	30	Trifloxystrobin	3000	<LOQ	30	Thiacloprid	100	<LOQ	30

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