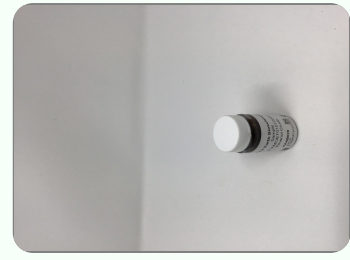


Certificate of Analysis

Order #: PMD200701-010087 Order Date: 2020-07-01 Collection Date: 2020-07-02 Report Date: 2020-07-09

Batch #: ISO300007012020 Method: SOP-3
Sample #: AAAB028
Specimen Type: CBD/HEMP Derivative Products
Extracted From: Industrial Hemp
Description: 3000mg CBD Full Spectrum Tincture - 30ml

Potency Tested	Residual Solvents Passed	Heavy Metals Passed
Mycotoxins Passed	Pathogenic Microbiology Passed	Pesticides Passed



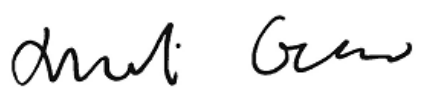
The photos on this report are of a sample collected by the lab and may vary from the final packaging.


CBD Total 10.850%	THC Total 0.215%	CBG Total 0.252%
CBN Total Not Detected	Other Cannabinoids 0.026%	Total Cannabinoids 11.343%

Potency - 11 (Tested) (HPLC)

Analyte	Result (mg/g)	(%)	LOD (%)	Analyte	Result (mg/g)	(%)	LOD (%)	Analyte	Result (mg/g)	(%)	LOD (%)
CBC	0.260	0.026	0.001	CBD	108.500	10.850	0.001	CBDA	ND	<LOD	0.001
CBDV	ND	<LOD	0.001	CBG	2.520	0.252	0.001	CBGA	ND	<LOD	0.001
CBN	ND	<LOD	0.001	Delta-8-THC	ND	<LOD	0.001	Delta-9-THC	2.150	0.215	0.001
THCA-A	ND	<LOD	0.001	THCV	ND	<LOD	0.001	Total CBD	108.500	10.850	0.001
Total THC	2.150	0.215	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, LOD = Limit of Detection.


Xueli Gao Lab Toxicologist
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Certificate of Analysis

Order #: PMD200701-010087 Order Date: 2020-07-01 Collection Date: 2020-07-02 Report Date: 2020-07-09

Batch #: ISO300007012020 Method: SOP-3
Sample #: AAAB028

Specimen Type: CBD/HEMP Derivative Products
Extracted From: Industrial Hemp
Description: 3000mg CBD Full Spectrum Tincture - 30ml

Residual Solvents (Extract Only) (Passed) (GC/GCMS)

Analyte	Action Level (ppm)	Result (ppm)	LOD (ppm)	Analyte	Action Level (ppm)	Result (ppm)	LOD (ppm)	Analyte	Action Level (ppm)	Result (ppm)	LOD (ppm)
Acetone	5000	ND	87.9	Benzene	1.6	ND	1.6	Chloroform	53	ND	53
Ethanol	5000	ND	26.7	Hexane	60	ND	36.6	I-Butane	5000	ND	100
Isopropanol	5000	ND	52.3	Methanol	3000	ND	87.9	N-Butane	5000	ND	200
Pentane	5000	ND	389.5	Toluene	890	ND	38.4				

(ppm) = Parts per Million, (ppm) = (µg/g), . LOD = Limit of Detection.

Heavy Metals (Passed) (ICP-MS)

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

(ppb) = Parts per Billion, (ppb) = (µg/kg), . LOD = Limit of Detection.

Mycotoxins (Passed) (LCMS/MS)

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

(ppb) = Parts per Billion, (ppb) = (µg/kg), . LOD = Limit of Detection.



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Certificate of Analysis

Order #: PMD200701-010087 Order Date: 2020-07-01 Collection Date: 2020-07-02 Report Date: 2020-07-09

Batch #: ISO300007012020 Method: SOP-3
Sample #: AAAB028

Specimen Type: CBD/HEMP Derivative Products
Extracted From: Industrial Hemp
Description: 3000mg CBD Full Spectrum Tincture - 30ml

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

Pesticides (Passed)

(LCMS/MS)

Analyte	Action Level (ppb)	Result (ppb)	LOD (ppb)	Analyte	Action Level (ppb)	Result (ppb)	LOD (ppb)	Analyte	Action Level (ppb)	Result (ppb)	LOD (ppb)
Abamectin	300	<LOD	28.23	Acephate	3000	<LOD	30	Acequinocyl	2000	<LOD	48
Acetamiprid	3000	<LOD	30	Aldicarb	100	<LOD	30	Azoxystrobin	3000	<LOD	10
Bifenazate	3000	<LOD	30	Bifenthrin	500	<LOD	30	Chlorfenapyr	100	<LOD	48
Chlorpyrifos	100	<LOD	30	Clofentezine	500	<LOD	30	Coumaphos	100	<LOD	30
Cyfluthrin	1000	<LOD	30	Cypermethrin	1000	<LOD	30	Daminozide	100	<LOD	30
DDVP(Dichlorvos)	100	<LOD	30	Diazinon	200	<LOD	30	Dimethoate	100	<LOD	30
Dimethomorph	3000	<LOD	30	Ethoprop(hos)	100	<LOD	30	Etofenprox	100	<LOD	30
Etoxazole	1500	<LOD	30	Fenhexamid	3000	<LOD	30	Fenoxycarb	100	<LOD	30
Fipronil	100	<LOD	30	Flonicamid	2000	<LOD	30	Fludioxonil	3000	<LOD	30
Hexythiazox	2000	<LOD	30	Imazalil	2000	<LOD	30	Imidacloprid	3000	<LOD	30
Kresoxim Methyl	1000	<LOD	30	Malathion A	2000	<LOD	30	Metalaxyl	3000	<LOD	10
Methiocarb	100	<LOD	30	Methomyl	100	<LOD	30	Mevinphos	100	<LOD	30
Myclobutanil	3000	<LOD	30	Naled	500	<LOD	30	Oxamyl	500	<LOD	30
Paclobutrazol	100	<LOD	30	Parathion-methyl	100	<LOD	48	Pentachloronitrobenzene	200	<LOD	30
Permethrin	1000	<LOD	30	Phosmet	200	<LOD	30	Piperonylbutoxide	3000	<LOD	30
Prallethrin	400	<LOD	30	Propiconazole	1000	<LOD	30	Propoxur	100	<LOD	30
Pyrethrins	1000	<LOD	30	Pyridaben	3000	<LOD	30	Spinetoram	3000	<LOD	30
Spinosyn A	3000	<LOD	30	Spinosyn D	3000	<LOD	30	Spiromesifen	3000	<LOD	30
Spirotetramat	3000	<LOD	30	Spiroxamine	100	<LOD	30	Tebuconazole	1000	<LOD	30
Thiacloprid	100	<LOD	30	Thiamethoxam	1000	<LOD	30	Trifloxystrobin	3000	<LOD	30

(ppb) = Parts per Billion, (ppb) = (µg/kg), LOD = Limit of Detection.



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