CRESCENT DISTRIBUTIONS
4505 MAGAZINE STREET
NEW ORLEANS, LA 70115

Certificate of Analysis

ACS LABORATORY
CERTIFIED
CANNABIS & CBD
TESTED SAFE
acslabcannabis.com

Order #: CRE200123-050245 **Order Date:** 2020-01-23 **Collection Date:** 2020-01-24 **Report Date:** 2020-01-29

Batch #: CCTIN_9000_1001
Sample #: AAAB520
Specimen Type: CBD/HEMP Derivative Products (Ingestion)
Extracted From: CBD Isolate
Description: 30mL Tincture 9000mg

Initial Gross Weight: 82684mg
Net Weight: 28509mg
Method: SOP-3

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

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

CBD Total	THC Total	CBG Total
32.090% 9,148.538mg	Not Detected	Not Detected
CBN Total	**Other Cannabinoids**	**Total Cannabinoids**
Not Detected	0.091% 26.074mg	32.181% 9,174.612mg

Potency - 11 (Tested) (HPLC)

Analyte	Result (mg/g)	(%)	LOQ (%)	Analyte	Result (mg/g)	(%)	LOQ (%)	Analyte	Result (mg/g)	(%)	LOQ (%)
CBC		<LOQ	0.001	CBD	320.900	32.090	0.001	CBDA		<LOQ	0.001
CBDV	0.915	0.091	0.001	CBG		<LOQ	0.001	CBGA		<LOQ	0.001
CBN		<LOQ	0.001	Delta-8-THC		<LOQ	0.1	Delta-9-THC		<LOQ	0.1
THCA-A		<LOQ	0.1	THCV		<LOQ	0.1	Total CBD	320.900	32.090	0.001
Total THC		<LOQ	0.1								

*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, Ph.D., DABT — Lab Toxicologist

Aixia Sun, D.H.Sc., M.Sc., B.Sc., MT (AAB) — Principal Scientist

721 Cortaro Drive
Sun City Center, FL - 33573
P: +1 (866) 762-8379
F: +1 (813) 634-4538
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Residual Solvents (Extract Only) (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)
Acetone	5000	<LOQ	87.9	Benzene	1.6	<LOQ	1.6	Chloroform	53	<LOQ	53
Ethanol	5000	<LOQ	26.7	Hexane	60	<LOQ	36.6	I-Butane	5000	<LOQ	100
Isopropanol	5000	<LOQ	52.3	Methanol	3000	<LOQ	87.9	N-Butane	5000	<LOQ	200
Pentane	5000	<LOQ	389.5	Toluene	890	<LOQ	38.4				

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

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

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

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Aixia Sun, D.H.Sc., M.Sc., B.Sc., MT (AAB) — Principal Scientist

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Pathogenic Microbiology #3 (HEMP Compliance Panel) (Passed) (qPCR)

Analyte	Result
Listeria Monoctogenes	Absence

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

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

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Terpenes - FL (Tested) (GC/GCMS)

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

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

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Pesticides (Passed) (LCMS/MS)

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

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