CERTIFICATE OF ANALYSIS

ACS LABORATORY CERTIFIED CANNABIS & CBD TESTED SAFE acslabcannabis.com

Customer: Sprightly CBD - Morrisville, NC 27560

Order #:703730
Batch #: FS60004
Order Date: 08/14/2019
Collection Date: 08/14/2019
Report Date: 10/14/2019

Specimen Type: Extract
Description: 600mg Tincture in MCT
Extracted From: Hemp
Method: SOP-3

Initial Gross Weight: 38549.00(mg)
Specimen Weight: 95.03(mg)

Potency (HPLC)

Analyte	Result (mg/g)	(%)	LOQ (%)	Analyte	Result (mg/g)	(%)	LOQ (%)	Analyte	Result (mg/g)	(%)	LOQ (%)
CBC	0.701	0.070	0.001	CBCA		ND	0.001	CBD	23.510	2.351	0.001
CBDA		ND	0.001	CBDV	0.352	0.035	0.001	CBDVA		ND	0.001
CBG	0.400	0.040	0.001	CBGA		ND	0.001	CBL		ND	0.001
CBN		ND	0.001	CBNA		ND	0.001	Delta-8-THC		ND	0.001
Delta-9-THC	0.862	0.086	0.001	THCA-A		ND	0.001	THCV		ND	0.001
THCVA		ND	0.001	Total CBD	23.510	2.351	0.001	Total THC	0.862	0.086	0.001

Pesticides (Passed) (LCMS/MS)

Analyte	Action Level (ppm)	Result (ppm)	LOQ (ppm)	Analyte	Action Level (ppm)	Result (ppm)	LOQ (ppm)	Analyte	Action Level (ppm)	Result (ppm)	LOQ (ppm)
Abamecitin	0.500	<LOQ	0.100	Acephate	0.400	<LOQ	0.100	Acequinocyl	2.000	<LOQ	0.750
Acetamiprid	0.200	<LOQ	0.100	Aldicarb	0.400	<LOQ	0.100	Azoxystrobin	0.200	<LOQ	0.100
Bifenazate	0.200	<LOQ	0.100	Bifenthrin	0.200	<LOQ	0.100	Boscalid	0.400	<LOQ	0.100
Carbaryl	0.200	<LOQ	0.100	Carbofuran	0.200	<LOQ	0.100	Chlorantraniliprole	0.200	<LOQ	0.100
Chlorpyrifos	0.200	<LOQ	0.100	Clofentezine	0.200	<LOQ	0.100	Cypermethrin	1.000	<LOQ	0.100
Daminozide	1.000	<LOQ	0.100	Diazinon	0.200	<LOQ	0.100	Dichlorvos	0.100	<LOQ	0.100
Dimethoate	0.200	<LOQ	0.100	Ethoprophos	0.200	<LOQ	0.100	Etofenprox	0.400	<LOQ	0.100
Etoxazole	0.200	<LOQ	0.100	Fenoxycarb	0.200	<LOQ	0.100	Fipronil	0.400	<LOQ	0.100
Flonicamid	1.000	<LOQ	0.100	Fludioxonil	0.400	<LOQ	0.100	Hexythiazox	1.000	<LOQ	0.100
Imazalil	0.200	<LOQ	0.100	Imidacloprid	0.400	<LOQ	0.100	Kresoxim Methyl	0.400	<LOQ	0.100
Malathion A	0.200	<LOQ	0.100	Metalaxyl	0.200	<LOQ	0.100	Methiocarb	0.200	<LOQ	0.100
Methomyl	0.400	<LOQ	0.100	MGK-264	0.200	<LOQ	0.100	Myclobutanil	0.200	<LOQ	0.100
Naled	0.500	<LOQ	0.100	Oxamyl	1.000	<LOQ	0.100	Paclobutrazol	0.400	<LOQ	0.100
Parathion-methyl	0.200	<LOQ	0.250	Permethrin	0.200	<LOQ	0.100	Phosmet	0.200	<LOQ	0.100
Piperonylbutoxide	2.000	<LOQ	0.100	Prallethrin	0.200	<LOQ	0.100	Propiconazole	0.400	<LOQ	0.100
Propoxur	0.200	<LOQ	0.100	Pyrethrins	1.000	<LOQ	0.100	Pyridaben	0.200	<LOQ	0.100
Spinosyn A	0.200	<LOQ	0.100	Spinosyn D	0.200	<LOQ	0.100	Spiromesifen	0.200	<LOQ	0.100
Spirotetramat	0.200	<LOQ	0.100	Spiroxamine	0.400	<LOQ	0.100	Tebuconazole	0.400	<LOQ	0.100
Thiacloprid	0.200	<LOQ	0.100	Thiamethoxam	0.200	<LOQ	0.100	Trifloxystrobin	0.200	<LOQ	0.100

Thomas Farrell, MD
Lab Director

* Total CBD = CBD + (CBD-A * 0.877). Total THC = THCA-A * 0.877 + Delta 9 THC, ND = <LOQ, T-Caryophyllene = Trans-Caryophyllene, <LOQ = Less Than Limit of Quantitation, QNS = Quantity Not Sufficient. (%) = Percent, (ppm) = Parts per Million, (ppb) = Parts per Billion, (µg/Kg) = Microgram per Kilogram, (mg/g) = Milligram per Gram, ppm = (µg/g), ppb = (µg/kg),

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Terpenes (GC/GCMS)

Analyte	Result (mg/g)	Result (%)	LOQ (%)
3-Carene		ND	0.001
Alpha-Terpinene		ND	0.001
Beta-Myrcene		ND	0.001
Fenchol		ND	0.002
Geraniol		ND	0.001
Isopulegol		ND	0.001
Nerolidol-2		ND	0.001
P-Cymene		ND	0.001
Trans-Caryophyllene		ND	0.001
Alpha-Bisabolol		ND	0.001
Alpha-Terpineol		ND	0.001
Beta-Pinene		ND	0.001
Gamma-Terpinene		ND	0.001
Guaiol		ND	0.001
Linalool		ND	0.001
Ocimene-1		ND	0.001
R-Limonene		ND	0.000
Alpha-Pinene		ND	0.002
Aromadendrene		ND	0.001
Camphene		ND	0.001
Gamma-Terpineol		ND	0.002
Humulene		ND	0.001
Nerolidol-1		ND	0.001
Ocimene-2		ND	0.001
Terpinolene		ND	0.001

Residual Solvents (Passed) (GC/GCMS)

Analyte	Action Level (ppm)	Result (ppm)	LOQ (ppm)
Acetone	5,000.000	<LOQ	87.900
Ethanol	5,000.000	<LOQ	26.700
Methanol	3,000.000	<LOQ	87.900
Toluene	890.000	<LOQ	38.400
Benzene	1.600	<LOQ	1.600
I-Butane	5,000.000	<LOQ	100.000
N-Butane	5,000.000	<LOQ	200.000
Chloroform	53.000	<LOQ	53.000
Isopropanol	5,000.000	<LOQ	52.300
Pentane	5,000.000	<LOQ	389.500

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Microbiology (qPCR) (Passed) (qPCR)

Analyte	Result (cfu/g)	Remark
Total Aerobic Count	<500	Passed
Total Yeast/Mold	<500	Passed

Analyte	Result (cfu/g)	Remark
Total Coliform	<500	Passed

Analyte	Result (cfu/g)	Remark
Total Enterobacteriaceae	<500	Passed

Heavy Metals (Passed) (ICP-MS)

Analyte	Action Level (ppb)	Result (ppb)	LOQ (ppb)
Arsenic (As)	500.000	<LOQ	100.000
Mercury (Hg)	500.000	<LOQ	100.000

Analyte	Action Level (ppb)	Result (ppb)	LOQ (ppb)
Cadmium (Cd)	500.000	<LOQ	100.000

Analyte	Action Level (ppb)	Result (ppb)	LOQ (ppb)
Lead (Pb)	500.000	<LOQ	100.000

Mycotoxins (Passed) (LCMS/MS)

Analyte	Action Level (ppb)	Result (ppb)	LOQ (ppb)
Aflatoxin B1		<LOQ	15.000
Aflatoxin G2		<LOQ	15.000

Analyte	Action Level (ppb)	Result (ppb)	LOQ (ppb)
Aflatoxin B2		<LOQ	15.000
Aflatoxin Total	20.000	<LOQ	6.000

Analyte	Action Level (ppb)	Result (ppb)	LOQ (ppb)
Aflatoxin G1		<LOQ	15.000
Ochratoxin A	20.000	<LOQ	15.000

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