



# CERTIFICATE OF ANALYSIS



Customer: Sprightly CBD - Morrisville, NC 27560

<b>Order #:</b> 701171	<b>Specimen Type:</b> Extract	<b>Initial Gross Weight:</b> 28530.00(mg)
<b>Batch #:</b> Naternal Pet 600	<b>Description:</b> Naternal Pet 600	<b>Specimen Weight:</b> 101.68(mg)
<b>Order Date:</b> 06/06/2019	<b>Method:</b> SOP-3	
<b>Collection Date:</b> 06/06/2019		
<b>Report Date:</b> 10/14/2019		

Potency								(HPLC)			
Analyte	Result (mg/g)	(%)	LOQ (%)	Analyte	Result (mg/g)	(%)	LOQ (%)	Analyte	Result (mg/g)	(%)	LOQ (%)
CBC		ND	0.001	CBCA		ND	0.001	CBD	27.100	2.710	0.001
CBDA		ND	0.001	CBDV	0.556	0.056	0.001	CBDVA		ND	0.001
CBG	0.267	0.027	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	0.933	0.093	0.001	THCA-A		ND	0.001	THCV	0.226	0.023	0.001
THCVA		ND	0.001	Total CBD	27.100	2.710	0.001	Total THC	0.933	0.093	0.001

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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# CERTIFICATE OF ANALYSIS



Customer: Sprightly CBD - ,

Order #: 701174  
Batch #: Naternal FS Full Panel  
Order Date: 06/06/2019  
Collection Date: 06/06/2019  
Report Date: 12/18/2019

Specimen Type: Extract  
Description: Naternal FS Full Panel  
Method: SOP-3

Initial Gross Weight: 28560.00(mg)  
Specimen Weight: 94.00(mg)

## 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)
Abamectin	0.500	<LOQ	0.100	Acephate	1.760	<LOQ	0.100	Acequinocyl	1.760	<LOQ	0.750
Acetamiprid	1.760	<LOQ	0.100	Aldicarb	1.760	<LOQ	0.100	Azoxystrobin	1.760	<LOQ	0.100
Bifenazate	1.760	<LOQ	0.100	Bifenthrin	1.760	<LOQ	0.100	Boscalid	1.760	<LOQ	0.100
Carbarvl	1.760	<LOQ	0.100	Carbofuran	1.760	<LOQ	0.100	Chlorantraniliprole	1.760	<LOQ	0.100
Chlorpyrifos	1.760	<LOQ	0.100	Clofentazine	1.760	<LOQ	0.100	Cypermethrin	1.760	<LOQ	0.100
Daminozide	1.760	<LOQ	0.100	Diazinon	1.760	<LOQ	0.100	Dichlorvos	1.760	<LOQ	0.100
Dimethoate	1.760	<LOQ	0.100	Ethoprophos	1.760	<LOQ	0.100	Etofenprox	1.760	<LOQ	0.100
Etoxazole	1.760	<LOQ	0.100	Fenoxycarb	1.760	<LOQ	0.100	Fipronil	1.760	<LOQ	0.100
Fonicamid	1.760	<LOQ	0.100	Fludioxonil	1.760	<LOQ	0.100	Hexythiazox	1.760	<LOQ	0.100
Imazail	1.760	<LOQ	0.100	Imidacloprid	1.760	<LOQ	0.100	Kresoxim Methyl	1.760	<LOQ	0.100
Malathion A	1.760	<LOQ	0.100	Metalaxyl	1.760	<LOQ	0.100	Methiocarb	1.760	<LOQ	0.100
Methomyl	1.760	<LOQ	0.100	MGK-264	0.200	<LOQ	0.100	Myclobutanil	1.760	<LOQ	0.100
Naled	1.760	<LOQ	0.100	Oxamyl	1.760	<LOQ	0.100	Pacllobutrazol	1.760	<LOQ	0.100
Parathion-methyl	1.760	<LOQ	0.250	Permethrin	0.200	<LOQ	0.100	Phosmet	1.760	<LOQ	0.100
Piperonylbutoxide	1.760	<LOQ	0.100	Prallethrin	1.760	<LOQ	0.100	Propiconazole	1.760	<LOQ	0.100
Propoxur	1.760	<LOQ	0.100	Pyrethrins	1.000	<LOQ	0.100	Pyridaben	1.760	<LOQ	0.100
Spinosyn A	1.760	<LOQ	0.100	Spinosyn D	1.760	<LOQ	0.100	Spiromesifen	1.760	<LOQ	0.100
Spirotetramat	1.760	<LOQ	0.100	Spiroxamine	1.760	<LOQ	0.100	Tebuconazole	1.760	<LOQ	0.100
Thiacloprid	1.760	<LOQ	0.100	Thiamethoxam	1.760	<LOQ	0.100	Trifloxystrobin	1.760	<LOQ	0.100

Xueli Gao, Ph.D., DABT  
Lab Toxicologist

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

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# CERTIFICATE OF ANALYSIS



Customer: Sprightly CBD - ,

Order #: 701174  
Batch #: Naternal FS Full Panel  
Order Date: 06/06/2019  
Collection Date: 06/06/2019  
Report Date: 12/18/2019

Specimen Type: Extract  
Description: Naternal FS Full Panel  
Method: SOP-3

Initial Gross Weight: 28560.00(mg)  
Specimen Weight: 94.00(mg)

## Terpenes

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

## Residual Solvents ( 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	100,000.000	<LOQ	87.900	Benzene	100,000.000	<LOQ	58.300	Chloroform	100,000.000	<LOQ	331.600
Ethanol	100,000.000	<LOQ	26.700	I-Butane	100,000.000	<LOQ	100.000	Isopropanol	100,000.000	<LOQ	52.300
Methanol	100,000.000	<LOQ	87.900	N-Butane	100,000.000	<LOQ	200.000	Pentane	100,000.000	<LOQ	389.500
Toluene	100,000.000	<LOQ	38.400								

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<b>Batch #:</b> Naternal FS Full Panel	<b>Description:</b> Naternal FS Full Panel	<b>Specimen Weight:</b> 94.00(mg)
<b>Order Date:</b> 06/06/2019	<b>Method:</b> SOP-3	
<b>Collection Date:</b> 06/06/2019		
<b>Report Date:</b> 12/18/2019		

### Microbiology (qPCR) ( Passed )

Analyte	Result (cfu/g)	Remark	Analyte	Result (cfu/g)	Remark	Analyte	Result (cfu/g)	Remark
Total Aerobic Count	807	Passed	Total Coliform	<500	Passed	Total Enterobacteriaceae	<500	Passed
Total Yeast/Mold	<500	Passed						

### Heavy Metals ( Passed )

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)	500.000	<LOQ	100.000	Cadmium (Cd)	500.000	<LOQ	100.000	Lead (Pb)	500.000	<LOQ	100.000
Mercury (Hg)	500.000	<LOQ	100.000								

### Mycotoxins ( Passed )

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	15.000	Aflatoxin B2		<LOQ	15.000	Aflatoxin G1		<LOQ	15.000
Aflatoxin G2		<LOQ	15.000	Aflatoxin Total	20.000	<LOQ	6.000	Ochratoxin A	10,000.000	<LOQ	15.000

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