



# CERTIFICATE OF ANALYSIS

**ACS LABORATORY**  
CERTIFIED  
CANNABIS & CBD  
TESTED SAFE  
acslobcannabis.com

Customer: Louisville, KY 40223 -

Order #: 709145  
Batch #: 19T3000  
Order Date: 11/19/2019  
Collection Date: 11/19/2019  
Report Date: 11/25/2019

Specimen Type: Extract  
Description:  
Method: SOP-3

Initial Gross Weight: 17013.00(mg)  
Specimen Weight: 116.26(mg)

### Potency - 11

(HPLC)

Analyte	Result (mg/g)	(%)	LOQ (%)	Analyte	Result (mg/g)	(%)	LOQ (%)	Analyte	Result (mg/g)	(%)	LOQ (%)
CBC		ND	0.001	CBD	122.800	12.280	0.001	CBDA		ND	0.001
CBDV	0.342	0.034	0.001	CBG	0.265	0.026	0.001	CBGA		ND	0.001
CBN		ND	0.001	Delta-8-THC		ND	0.001	Delta-9-THC	1.190	0.119	0.001
THCA-A		ND	0.001	THCV	0.206	0.021	0.001	Total CBD	122.800	12.280	0.001
Total THC	1.190	0.119	0.001								

### Pesticides ( 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)
Abamectin	100.000	<LOQ	30.000	Acephate	100.000	<LOQ	30.000	Acequinocyl	100.000	<LOQ	48.000
Acetamiprid	100.000	<LOQ	30.000	Aldicarb	50.000	<LOQ	30.000	Azoxystrobin	50.000	<LOQ	30.000
Bifenazate	100.000	<LOQ	30.000	Bifenthrin	100.000	<LOQ	30.000	Chlorfenapyr	50.000	<LOQ	30.000
Chlorpyrifos	100.000	<LOQ	30.000	Clofentazine	200.000	<LOQ	30.000	Coumaphos	50.000	<LOQ	30.000
Cyfluthrin	100.000	<LOQ	30.000	Cypermethrin	500.000	<LOQ	30.000	Daminozide	500.000	<LOQ	30.000
DDVP(Dichlorvos)	100.000	<LOQ	30.000	Diazinon	50.000	<LOQ	30.000	Dimethoate	50.000	<LOQ	30.000
Dimethomorph	50.000	<LOQ	30.000	Ethoprop(hos)	50.000	<LOQ	30.000	Etofenprox	50.000	<LOQ	30.000
Etiozole	50.000	<LOQ	30.000	Fenhexamid	100.000	<LOQ	30.000	Fenoxycarb	50.000	<LOQ	30.000
Fipronil	50.000	<LOQ	30.000	Flonicamid	400.000	<LOQ	30.000	Fludioxonil	100.000	<LOQ	30.000
Hexythiazox	250.000	<LOQ	30.000	Imazalil	100.000	<LOQ	30.000	Imidacloprid	100.000	<LOQ	30.000
Kresoxim Methyl	100.000	<LOQ	30.000	Malathion A	50.000	<LOQ	30.000	Metaxyl	50.000	<LOQ	30.000
Methiocarb	50.000	<LOQ	30.000	Methomyl	100.000	<LOQ	30.000	Mevinphos	50.000	<LOQ	30.000
Myclobutanil	100.000	<LOQ	30.000	Naled	250.000	<LOQ	30.000	Oxamyl	250.000	<LOQ	30.000
Paclobutrazol	50.000	<LOQ	30.000	Parathion-methyl	100.000	<LOQ	30.000	Pentachloronitrobenzene	50.000	<LOQ	30.000
Permethrin	100.000	<LOQ	30.000	Phosmet	100.000	<LOQ	30.000	Piperonylbutoxide	3,000.000	<LOQ	30.000
Prallethrin	100.000	<LOQ	30.000	Propiconazole	100.000	<LOQ	30.000	Propoxur	100.000	<LOQ	30.000
Pyrethrins	500.000	<LOQ	30.000	Pyridaben	200.000	<LOQ	30.000	Spinetoram	200.000	<LOQ	30.000
Spinosyn A	100.000	<LOQ	30.000	Spinosyn D	100.000	<LOQ	30.000	Spiromesifen	100.000	<LOQ	30.000
Spirotetramat	100.000	<LOQ	30.000	Spiroxamine	50.000	<LOQ	30.000	Tebuconazole	50.000	<LOQ	30.000
Thiacloprid	50.000	<LOQ	30.000	Thiamethoxam	50.000	<LOQ	30.000	Trifloxystrobin	100.000	<LOQ	30.000

Xueli Gao, Ph.D., DABT  
Lab Toxicologist

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

\* 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).

This report shall not be reproduced, without written approval, from ACS Laboratory. The results of this report relate only to the material or product analyzed. Test results are confidential unless explicitly waived otherwise.

Accredited by a third-party accrediting body as a competent testing laboratory pursuant to ISO/IEC 17025 of the International Organization for Standardization.

721 Cortaro Drive  
Sun City Center, FL - 33573

P: +1 (866) 762-8379  
F: +1 (813) 634-4538

E: info@acslabcannabis.com License No. 800025015  
http://www.acslabcannabis.com CLIA No. 10D1094068

# CERTIFICATE OF ANALYSIS



**Customer:** Louisville, KY 40223

<b>Order #:</b> 709145 <b>Batch #:</b> 19T3000 <b>Order Date:</b> 11/19/2019 <b>Collection Date:</b> 11/19/2019 <b>Report Date:</b> 11/25/2019	<b>Specimen Type:</b> Extract <b>Description:</b> <b>Method:</b> SOP-3	<b>Initial Gross Weight:</b> 17013.00(mg) <b>Specimen Weight:</b> 116.26(mg)
--	--	---

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	5,000.000	<LOQ	87.900	Benzene	1.600	<LOQ	1.600	Chloroform	53.000	<LOQ	53.000
Ethanol	5,000.000	<LOQ	26.700	Hexane	60.000	<LOQ	36.600	I-Butane	5,000.000	<LOQ	100.000
Isopropanol	5,000.000	<LOQ	52.300	Methanol	3,000.000	<LOQ	87.900	N-Butane	5,000.000	<LOQ	200.000
Pentane	5,000.000	<LOQ	389.500	Toluene	890.000	<LOQ	38.400				

Microbiology (qPCR) ( Passed )						(qPCR)	
Analyte	Remark	Analyte	Remark	Analyte	Remark		
Total Aerobic Count	Passed	Total Coliform	Passed	Total Enterobacteriaceae	Passed		
Total Yeast/Mold	Passed						

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)	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								

Xueli Gao

Xueli Gao, Ph.D., DABT  
Lab Toxicologist

Aixia Sun

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

\* 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).

This report shall not be reproduced, without written approval, from ACS Laboratory. The results of this report relate only to the material or product analyzed. Test results are confidential unless explicitly waived otherwise.

Accredited by a third-party accrediting body as a competent testing laboratory pursuant to ISO/IEC 17025 of the International Organization for Standardization.

721 Cortaro Drive Sun City Center, FL - 33573	P: +1 (866) 762-8379 F: +1 (813) 634-4538	E: info@acslabcannabis.com http://www.acslabcannabis.com	License No. 800025015 CLIA No. 10D1094068
--	--	---	--