



Sample Matrix:  
HEMP  
Flower  
Inhalation

721 Cortaro Dr.  
Sun City Center, FL 33573  
www.acslab.com  
DEA No. RA0571996  
FL License # CMTL-0003

**Certificate of Analysis**  
Compliance Test

**Client Information:**  
**ROOTS DISTR0**  
2525 E State Road 60,  
Valrico, FL 33594

**Manufacturing Facility:**  
2500 S PARK ROAD  
BAY#1  
PEMBROKE PARK, FL 33009

**Batch Data:**  
Batch # KK20102025WC  
Batch Date: 2026-02-18  
Extracted From: HEMP

**Order Details:**  
Test Reg State: Florida  
Food Permit #: 420113

Order # TER250717-120001  
Order Date: 2026-02-17  
Sample # AAGX756

Sampling Date: 2026-02-18  
Lab Batch Date: 2026-02-18  
Orig. Completion Date: 2026-02-30

Initial Gross Weight: 23.700 g  
Net Weight: 20.000 g

Net Weight per Package: 20000.000 mg  
Sampling Method: MSP 7.3.1

Net Weight per Serving: 2000 mg  
Servings Per Package: 10

Statement of Amendment: Updated Batch#



Product Image

**Potency Tested**

**Heavy Metals Passed**

**2 3-Butanedione Passed**

**Mycotoxins Passed**

**Pesticides Passed**

**Residual Solvents Passed**

**Water Activity Tested**

**Pathogenic Passed**

**Microbiology (qPCR) Passed**

**Microbiology Tested**

**Vitamin E Passed**

**Potency Summary**

<b>Delta 9 THC</b>	<b>&lt;LOQ</b>	<b>Total Active CBD</b>	<b>0.0140%</b>
per Serving	0.00 mg	per Serving	0.280 mg
per Package	0.00 mg	per Package	2.80 mg
<b>Total CBG</b>	<b>8.76%</b>	<b>Total CBN</b>	<b>0.0640%</b>
per Serving	175 mg	per Serving	1.28 mg
per Package	1750 mg	per Package	12.8 mg
<b>Total Cannabinoids</b>	<b>26.4%</b>	<b>Total Active THC</b>	<b>0.0403%</b>
per Serving	528 mg	per Serving	0.806 mg
per Package	5280 mg	per Package	8.06 mg

*Aixia Sun*  
Aixia Sun Lab Director/Principal Scientist  
D.H.Sc., M.Sc., B.Sc., MT (AAB)

Definitions and Abbreviations used in this report: Total Active CBD = CBD + (CBD-A \* 0.877), \*Total CBDV = CBDV + (CBDVA \* 0.867), Total Active THC = THCA-A \* 0.877 + Delta 9 THC, Total THCV = THCV + (THCVA \* 0.87), CBG Total = (CBGA \* 0.878) + CBG, CBN Total = (CBNA \* 0.876) + CBN, Total CBC = CBC + (CBCA \* 0.877), Total THC-O-Acetate = Delta 8 THC-O-Acetate + Delta 9 THC-O-Acetate, Total THCP = Delta8-THCP + Delta9-THCP, Total Cannabinoids = Total percentage of cannabinoids within the sample. (mg/ml) = Milligrams per Milliliter, LOQ = Limit of Quantitation, LOD = Limit of Detection, Dilution = Dilution Factor, (ppb) = Parts per Billion, (%) = Percent, (cfu/g) = Colony Forming Unit per Gram, (µg/g) = Microgram per Gram, (ppm) = Parts per Million, (ppm) = (µg/g), (aw) = Water Activity, (mg/Kg) = Milligram per Kilogram. ACS uses simple acceptance criteria. Passed - Analyte/microbe is not detected or is at the level below the action limit per FL rule 64ER20-39, 5K-4.036, 5K-4.034. Failed - Analyte/microbe is at the level that equal or above the action limit per FL rule 64ER20-39, 5K-4.036, 5K-4.034 The results apply to the sample as received. Revised report- see statement of amendment above.

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**Potency 25 (LCUV)**  
Specimen Weight: 206.480 mg

**Tested**

SOP13.001 (LCUV)

Pieces For Panel: 10

Analyte	Dilution (1:n)	LOD (mg/g)	LOQ (%)	Result (mg/g)	(%)	Per Serving (mg)	Per Package (mg)
CBGA	15.000	8.000000E-5	0.0125	93.0	9.30	186	1860
Delta-8 THC	15.000	2.600000E-5	0.0125	86.6	8.66	173	1730
Delta9-THCP	1500.000	1.170000E-5	0.01	73.7	7.37	147	1470
CBG	15.000	2.480000E-4	0.0125	5.91	0.591	11.8	118
CBC	15.000	1.800000E-5	0.0125	1.27	0.127	2.54	25.4
Delta8-THCP	15.000	3.750000E-4	0.0125	0.974	0.0974	1.95	19.5
Delta-8 THCV	15.000	4.000000E-5	0.0125	0.809	0.0809	1.62	16.2
CBN	15.000	1.400000E-5	0.0125	0.640	0.0640	1.28	12.8
THCA-A	15.000	3.200000E-5	0.0125	0.460	0.0460	0.920	9.20
CBL	15.000	3.500000E-5	0.0125	0.254	0.0254	0.507	5.07
CBD	15.000	5.400000E-5	0.0125	0.140	0.0140	0.280	2.80
CBCA	15.000	1.070000E-4	0.0125	<LOQ	<LOQ	0.00	0.00
CBDA	15.000	1.000000E-5	0.0125	<LOQ	<LOQ	0.00	0.00
CBDV	15.000	6.500000E-5	0.0125	<LOQ	<LOQ	0.00	0.00
CBDVA	15.000	1.400000E-5	0.0125	<LOQ	<LOQ	0.00	0.00
CBNA	15.000	9.500000E-5	0.0125	<LOQ	<LOQ	0.00	0.00
CBT	15.000	2.000000E-4	0.0125	<LOQ	<LOQ	0.00	0.00
Delta-8 THC-O Acetate	15.000	2.700000E-5	0.025	<LOQ	<LOQ	0.00	0.00
Delta-9 THC	15.000	1.300000E-5	0.0125	<LOQ	<LOQ	0.00	0.00
Delta-9 THC-O Acetate	15.000	7.700000E-5	0.025	<LOQ	<LOQ	0.00	0.00
Exo-THC	15.000	2.300000E-4	0.0125	<LOQ	<LOQ	0.00	0.00
THCB	15.000	1.800000E-4	0.0163	<LOQ	<LOQ	0.00	0.00
THCH	15.000	3.500000E-4	0.0163	<LOQ	<LOQ	0.00	0.00
THCV	15.000	7.000000E-6	0.0125	<LOQ	<LOQ	0.00	0.00
THCVA	15.000	4.700000E-5	0.0125	<LOQ	<LOQ	0.00	0.00
Total Active THC	15.000			0.403	0.0403	0.806	8.06
Total Active CBD	15.000			0.140	0.0140	0.280	2.80

*Aixia Sun*  
Aixia Sun Lab Director/Principal Scientist  
D.H.Sc., M.Sc., B.Sc., MT (AAB)

Definitions are found on page 1

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<b>Order #</b> TER250717-120001 <b>Order Date:</b> 2026-02-17 <b>Sample #</b> AAGX756	<b>Sampling Date:</b> 2026-02-18 <b>Lab Batch Date:</b> 2026-02-18 <b>Orig. Completion Date:</b> 2026-02-30	<b>Initial Gross Weight:</b> 23.700 g <b>Net Weight:</b> 20.000 g	<b>Net Weight per Package:</b> 20000.000 mg <b>Sampling Method:</b> MSP 7.3.1	<b>Net Weight per Serving:</b> 2000 mg <b>Servings Per Package:</b> 10
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<b>2,3-butanedione(Diacetyl) Florida</b> Specimen Weight: 15.000 mg	<b>Passed</b> SOP13.039 (GCMS-HS)		
Dilution Factor: 1.000			
Analyte	LOD (ppm)	LOQ (ppm)	Result (ppm)
2,3-Butanedione	0.000	0.2	<LOQ

<b>Water Activity</b> Net Weight: 20.000 g	<b>Tested</b> SOP13.016 (Water Activity Analyzer)	
Dilution Factor: 1.000		
Analyte	Action Level (aw)	Result (aw)
Water Activity	0.85	0.614

<b>Total Yeast and Mold</b> Specimen Weight: 1005.490 mg	<b>Passed</b> SOP13.017 (qPCR)		
Dilution Factor: 20.000			
Analyte	LOQ (cfu/g)	Action Level (cfu/g)	Result (cfu/g)
Total Yeast/Mold	1000	100000	<LOQ

<b>Microbiology AC TYM BTGN plating - (GA)</b> Specimen Weight: 1000.000 mg	<b>Tested</b> SOP13.003 (Petrifilm)						
Dilution Factor: 1.000							
Analyte	LOQ (cfu/g)	Action Level (cfu/g)	Result (cfu/g)	Analyte	LOQ (cfu/g)	Action Level (cfu/g)	Result (cfu/g)
Bile tolerant gram-negative bacteria	100	1000	<100	Total Aerobic Count	1000	100000	<1000

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<b>Order #</b> TER250717-120001 <b>Order Date:</b> 2026-02-17 <b>Sample #</b> AAGX756	<b>Sampling Date:</b> 2026-02-18 <b>Lab Batch Date:</b> 2026-02-18 <b>Orig. Completion Date:</b> 2026-02-30	<b>Initial Gross Weight:</b> 23.700 g <b>Net Weight:</b> 20.000 g	<b>Net Weight per Package:</b> 20000.000 mg <b>Sampling Method:</b> MSP 7.3.1	<b>Net Weight per Serving:</b> 2000 mg <b>Servings Per Package:</b> 10
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<b>Pathogenic SAE (qPCR)</b> Specimen Weight: 1045.560 mg	<b>Passed</b> SOP13.029 (qPCR)				
Dilution Factor: 1.000					
Analyte	Action Level (cfu/g)	Result (cfu/g)	Analyte	Action Level (cfu/g)	Result (cfu/g)
Aspergillus (Flavus, Fumigatus, Niger, Terreus)	1	Absence in 1g	Salmonella	1	Absence in 1g
E.Coli	1	Absence in 1g			

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Net Weight: 20.000 g

Net Weight per Package: 20000.000 mg  
Sampling Method: MSP 7.3.1

Net Weight per Serving: 2000 mg  
Servings Per Package: 10



**Vitamin E (Tocopheryl Acetate)**

Specimen Weight: 584.740 mg

Dilution Factor: 2.570

**Passed**  
SOP13.007 (LCMS/GCMS)

Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)
Tocopheryl Acetate (Vitamin E Acetate)	0.705	500	500	<LOQ



**Heavy Metals**

Specimen Weight: 251.020 mg

Dilution Factor: 199

**Passed**  
SOP13.048 (ICP-MS)

Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)	Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)
Arsenic (As)	4.830	100	200	<LOQ	Lead (Pb)	11.760	100	500	<LOQ
Cadmium (Cd)	0.640	100	200	130	Mercury (Hg)	0.580	100	200	<LOQ



**Mycotoxins**

Specimen Weight: 584.740 mg

Dilution Factor: 2.570

**Passed**  
SOP13.007 (LCMS/GCMS)

Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)	Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)
Aflatoxin B1	0.304	6	20	<LOQ	Aflatoxin G2	0.271	6	20	<LOQ
Aflatoxin B2	0.077	6	20	<LOQ	Ochratoxin A	0.754	3.8	20	<LOQ
Aflatoxin G1	0.304	6	20	<LOQ					

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**Residual Solvents - FL (CBD)**

Specimen Weight: 15.000 mg

**Passed**  
SOP13.039 (GCMS-HS)

Dilution Factor: 1.000

Analyte	LOD (ppm)	LOQ (ppm)	Action Level (ppm)	Result (ppm)	Analyte	LOD (ppm)	LOQ (ppm)	Action Level (ppm)	Result (ppm)
1,1-Dichloroethene	0.009	0.16	8	<LOQ	Heptane	0.001	1.39	5000	<LOQ
1,2-Dichloroethane	0.000	0.04	2	<LOQ	Hexane	0.068	1.17	290	<LOQ
Acetone	0.015	2.08	5000	<LOQ	Isopropyl alcohol	0.005	1.39	500	14.0
Acetonitrile	0.060	1.17	410	<LOQ	Methanol	0.001	0.69	3000	9.51
Benzene	0.000	0.02	2	<LOQ	Methylene chloride	0.003	2.43	600	<LOQ
Butanes	0.417	2.5	2000	<LOQ	Pentane	0.037	2.08	5000	<LOQ
Chloroform	0.000	0.04	60	<LOQ	Propane	0.031	5.83	2100	<LOQ
Ethanol	0.002	2.78	5000	38.2	Toluene	0.001	2.92	890	<LOQ
Ethyl Acetate	0.001	1.11	5000	<LOQ	Total Xylenes	0.000	2.92	2170	<LOQ
Ethyl Ether	0.005	1.39	5000	<LOQ	Trichloroethylene	0.001	0.49	80	<LOQ
Ethylene Oxide	0.004	0.1	5	<LOQ					



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**Pesticides**

Specimen Weight: 584.740 mg

**Passed**

SOP13.007 (LCMS/GCMS)

Dilution Factor: 2.570

Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)	Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)
Abamectin	0.288	28.23	100	<LOQ	Fludioxonil	1.740	48	100	<LOQ
Acephate	0.023	30	100	<LOQ	Hexythiazox	0.049	30	100	<LOQ
Acequinocyl	9.564	48	100	<LOQ	Imazalil	0.248	30	100	<LOQ
Acetamiprid	0.052	30	100	<LOQ	Imidacloprid	0.094	30	400	<LOQ
Aldicarb	0.026	30	100	<LOQ	Kresoxim Methyl	0.042	30	100	<LOQ
Azoxystrobin	0.081	10	100	<LOQ	Malathion	0.082	30	200	<LOQ
Bifenazate	1.415	30	100	<LOQ	Metalaxyl	0.081	10	100	<LOQ
Bifenthrin	0.043	30	200	<LOQ	Methiocarb	0.032	30	100	<LOQ
Boscalid	0.055	10	100	<LOQ	Methomyl	0.022	30	100	<LOQ
Captan	6.120	30	700	<LOQ	methyl-Parathion	1.710	10	100	<LOQ
Carbaryl	0.022	10	500	<LOQ	Mevinphos	2.150	10	100	<LOQ
Carbofuran	0.034	10	100	<LOQ	MGK-264	0.585	10	100	<LOQ
Chlorantraniliprole	0.033	10	1000	<LOQ	Myclobutanil	1.029	30	100	<LOQ
Chlordane	10.000	10	100	<LOQ	Naled	0.095	30	250	<LOQ
Chlorfenapyr	0.034	30	100	<LOQ	Oxamyl	0.025	30	500	<LOQ
Chlormequat Chloride	0.108	10	1000	<LOQ	Paclbutrazol	0.065	30	100	<LOQ
Chlorpyrifos	0.035	30	100	<LOQ	Pentachloronitrobenzene	1.320	10	150	<LOQ
cis-Chlordane	10.000	10	100	<LOQ	Permethrin	0.343	30	100	<LOQ
Clofentazine	0.119	30	200	<LOQ	Phosmet	0.082	30	100	<LOQ
Coumaphos	3.770	48	100	<LOQ	Piperonylbutoxide	0.029	30	3000	<LOQ
Cyfluthrin	3.110	30	500	<LOQ	Prallethrin	0.798	30	100	<LOQ
Cypermethrin	1.449	30	500	<LOQ	Propiconazole	0.070	30	100	<LOQ
Daminozide	0.885	30	100	<LOQ	Propoxur	0.046	30	100	<LOQ
Diazinon	0.044	30	100	<LOQ	Pyrethrins	23.593	30	500	<LOQ
Dichlorvos	2.182	30	100	<LOQ	Pyridaben	0.032	30	200	<LOQ
Dimethoate	0.021	30	100	<LOQ	Spinetoram	0.080	10	200	<LOQ
Dimethomorph	5.830	48	200	<LOQ	Spinosad	0.088	30	100	<LOQ
Ethoprophos	0.360	30	100	<LOQ	Spiromesifen	0.261	30	100	<LOQ
Etofenprox	0.116	30	100	<LOQ	Spirotetramat	0.089	30	100	<LOQ
Etoxazole	0.095	30	100	<LOQ	Spiroxamine	0.131	30	100	<LOQ
Fenhexamid	0.510	10	100	<LOQ	Tebuconazole	0.067	30	100	<LOQ
Fenoxycarb	0.107	30	100	<LOQ	Thiacloprid	0.064	30	100	<LOQ
Fenpyroximate	0.138	30	100	<LOQ	Thiamethoxam	0.050	30	500	<LOQ
Fipronil	0.107	30	100	<LOQ	trans-Chlordane	10.000	10	100	<LOQ
Fonicamid	0.517	30	100	<LOQ	Trifloxystrobin	0.037	30	100	<LOQ

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Definitions are found on page 1

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