



**HD-D9 20 mg**  
Sample Matrix:  
CBD/HEMP  
Edibles  
(Ingestion)



DEA No. RA0571996  
FL License # CMTL-0003  
CLIA No. 10D1094068

# Certificate of Analysis

## Compliance Test

**TOP SHELF PRODUCTIONS**  
828 US 90  
UNIT J  
BAY ST LOUIS, MISSISSIPPI 39520

Batch # 1006  
Batch Date: 2022-02-28  
Extracted From: hemp

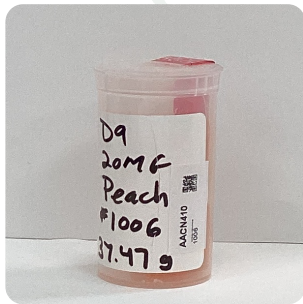
Sampling Method: MSP 7.3.1  
Test Reg State: Florida

Order # TOP220228-010001  
Order Date: 2022-02-28  
Sample # AACN410

Sampling Date: 2022-03-03  
Lab Batch Date: 2022-03-03  
Completion Date: 2022-03-07

Initial Gross Weight: 67.587 g  
Net Weight: 58.487 g

Number of Units: 1  
Net Weight per Unit: 7357.400 mg



Product Image

**Potency Tested**    
 **Heavy Metals Passed**    
 **Mycotoxins Passed**    
 **Pesticides Passed**    
 **Residual Solvents Passed**  
**Listeria Monocytogenes Passed**    
 **Microbiology (qPCR) Passed**

**Potency - 10**  
Specimen Weight: 1538.900 mg

**Tested**  
(LCUV)

**Potency Summary**

0.255%	<b>Total THC</b> 18.760mg	-	<b>Total CBD</b> None Detected
-	<b>Total CBG</b> None Detected	-	<b>Total CBN</b> None Detected
-	<b>Other Cannabinoids</b> None Detected	0.255%	<b>Total Cannabinoids</b> 18.760mg

Pieces For Panel: 5

Analyte	Dilution (1:n)	LOD (%)	LOQ (%)	Result (mg/g)	(%)
Delta-9 THC	1000.000	0.000013	0.002	2.550	0.255
CBC	1000.000	0.000018	0.001		<LOQ
CBD	1000.000	0.000054	0.002		<LOQ
THCA-A	1000.000	0.000032	0.001		<LOQ
CBN	1000.000	0.000014	0.002		<LOQ
CBGA	1000.000	0.00008	0.001		<LOQ
CBG	1000.000	0.000248	0.001		<LOQ
CBDV	1000.000	0.000065	0.001		<LOQ
CBDA	1000.000	0.00001	0.001		<LOQ
THCV	1000.000	0.000007	0.001		<LOQ

Xueli Gao  
Ph.D., DABT  
Lab Toxicologist

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



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Number of Units: 1  
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### Pesticides FL V4

Specimen Weight: 159.700 mg

**Passed**  
(LCMS/GCMS)

Dilution Factor: 9.393

Analyte	LOQ (ppb)	Action Level (ppb)	Result (ppb)	Analyte	LOQ (ppb)	Action Level (ppb)	Result (ppb)
Abamectin	28.23	300	<LOQ	Fludioxonil	48	3000	<LOQ
Acephate	30	3000	<LOQ	Hexythiazox	30	2000	<LOQ
Acequinocyl	48	2000	<LOQ	Imazalil	30	100	<LOQ
Acetamiprid	30	3000	<LOQ	Imidacloprid	30	3000	<LOQ
Aldicarb	30	100	<LOQ	Kresoxim Methyl	30	1000	<LOQ
Azoxystrobin	10	3000	<LOQ	Malathion	30	2000	<LOQ
Bifenazate	30	3000	<LOQ	Metalaxyl	10	3000	<LOQ
Bifenthrin	30	500	<LOQ	Methiocarb	30	100	<LOQ
Boscalid	10	3000	<LOQ	Methomyl	30	100	<LOQ
Captan	30	3000	<LOQ	methyl-Parathion	10	100	<LOQ
Carbaryl	10	500	<LOQ	Mevinphos	10	100	<LOQ
Carbofuran	10	100	<LOQ	Myclobutanil	30	3000	<LOQ
Chlorantraniliprole	10	3000	<LOQ	Naled	30	500	<LOQ
Chlorfanepr	30	100	<LOQ	Oxamyl	30	500	<LOQ
Chlorpyrifos	30	100	<LOQ	Paclotbutrazol	30	100	<LOQ
Chlorpyrifos Chloride	10	3000	<LOQ	Pentachloronitrobenzene	10	200	<LOQ
Chlorpyrifos	30	100	<LOQ	Permethrin	30	1000	<LOQ
Clofentezine	30	500	<LOQ	Phosmet	30	200	<LOQ
Coumaphos	48	100	<LOQ	Piperonylbutoxide	30	3000	<LOQ
Cyfluthrin	30	1000	<LOQ	Prallethrin	30	400	<LOQ
Cypermethrin	30	1000	<LOQ	Propiconazole	30	1000	<LOQ
Daminozide	30	100	<LOQ	Propoxur	30	100	<LOQ
Diazinon	30	200	<LOQ	Pyrethrins	30	1000	<LOQ
Dichlorvos	30	100	<LOQ	Pyridaben	30	3000	<LOQ
Dimethoate	30	100	<LOQ	Spinetoram	10	3000	<LOQ
Dimethomorph	48	3000	<LOQ	Spinosad	30	3000	<LOQ
Ethoprophos	30	100	<LOQ	Spiromesifen	30	3000	<LOQ
Etofenprox	30	100	<LOQ	Spirotetramat	30	3000	<LOQ
Etoxazole	30	1500	<LOQ	Spiroxamine	30	100	<LOQ
Fenhexamid	10	3000	<LOQ	Tebuconazole	30	1000	<LOQ
Fenoxycarb	30	100	<LOQ	Thiacloprid	30	100	<LOQ
Fenpyroximate	30	2000	<LOQ	Thiamethoxam	30	1000	<LOQ
Fipronil	30	100	<LOQ	Trifloxystrobin	30	3000	<LOQ
Fonicamid	30	2000	<LOQ				

### Residual Solvents - FL (CBD)

Specimen Weight: 12.600 mg

**Passed**  
(GCMS)

Dilution Factor: 1.000

Analyte	LOQ (ppm)	Action Level (ppm)	Result (ppm)	Analyte	LOQ (ppm)	Action Level (ppm)	Result (ppm)
1,1-Dichloroethene	0.16	8	<LOQ	Heptane	1.39	5000	<LOQ
1,2-Dichloroethane	0.04	5	<LOQ	Hexane	1.17	290	<LOQ
Acetone	2.08	5000	<LOQ	Isopropyl alcohol	1.39	500	<LOQ
Acetonitrile	1.17	410	<LOQ	Methanol	0.69	3000	Passed
Benzene	0.02	2	<LOQ	Methylene chloride	2.43	600	<LOQ
Butanes	2.5	2000	<LOQ	Pentane	2.08	5000	<LOQ
Chloroform	0.04	60	<LOQ	Propane	5.83	2100	<LOQ
Ethanol	2.78	5000	Passed	Toluene	2.92	890	<LOQ
Ethyl Acetate	1.11	5000	Passed	Total Xylenes	2.92	2170	<LOQ
Ethyl Ether	1.39	5000	<LOQ	Trichloroethylene	0.49	80	<LOQ
Ethylene Oxide	0.1	5	<LOQ				

### Mycotoxins

Specimen Weight: 159.700 mg

**Passed**  
(LCMS)

Dilution Factor: 9.393

Analyte	LOQ (ppb)	Action Level (ppb)	Result (ppb)	Analyte	LOQ (ppb)	Action Level (ppb)	Result (ppb)
Aflatoxin B1	6	20	<LOQ	Aflatoxin G2	6	20	<LOQ
Aflatoxin B2	6	20	<LOQ	Ochratoxin A	12	20	<LOQ
Aflatoxin G1	6	20	<LOQ				

### Heavy Metals

Specimen Weight: 249.500 mg

**Passed**  
(ICP-MS)

Dilution Factor: 200

Analyte	LOQ (ppb)	Action Level (ppb)	Result (ppb)	Analyte	LOQ (ppb)	Action Level (ppb)	Result (ppb)
Arsenic (As)	100	1500	<LOQ	Lead (Pb)	100	500	<LOQ
Cadmium (Cd)	100	500	<LOQ	Mercury (Hg)	100	3000	<LOQ

Xueli Gao  
Ph.D., DABT  
Lab Toxicologist

Aixia Sun  
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## Microbiology (qPCR)

**Passed**  
(qPCR)

Specimen Weight: 234.700 mg

Dilution Factor: 1.000

Analyte	Result	Analyte	Result
Total Aerobic Count	Passed	Total Enterobacteriaceae	Passed
Total Coliform	Passed	Total Yeast/Mold	Passed



## Listeria Monocytogenes

**Passed**  
(qPCR)

Specimen Weight: 1011.400 mg

Dilution Factor: 1.000

Analyte	Action Level (cfu/g)	Result
Listeria Monocytogenes	1	Absence in 1g

*Xueli Gao*  
Xueli Gao Lab Toxicologist  
Ph.D., DABT

*Aixia Sun*  
Aixia Sun Lab Director/Principal Scientist  
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