



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

Certificate of Analysis

Compliance Test

TEXAS STAR HEMP FARMS
1133 NORTH 2ND ST, ABILENE, TX,
USA
SUITE 102
ABILENE, TX 79601

Batch # ST00002
Batch Date: 2022-08-22
Extracted From: Hemp

Sampling Method: MSP 7.3.1
Test Reg State: Florida

Order # TEX220822-020001
Order Date: 2022-08-22
Sample # AADH320

Sampling Date: 2022-08-24
Lab Batch Date: 2022-08-24
Completion Date: 2022-08-29

Initial Gross Weight: 76.563 g
Net Weight: 27.186 g

Number of Units: 1
Net Weight per Unit: 27186.000 mg



Product Image



Potency 10

Specimen Weight: 107.860 mg

Analyte	Dilution (1:n)	LOD (%)	LOQ (%)	Result (mg/g)	(%)
CBN	1000.000	1.40E-5	0.0015	18.7200	1.8720
CBG	1000.000	2.48E-4	0.0015	15.3000	1.5300
CBC	1000.000	1.80E-5	0.0015	10.1000	1.0100
CBD	1000.000	5.40E-5	0.0015	6.3500	0.6350
CBDa	1000.000	1.00E-5	0.0015	2.2500	0.2250
CBGa	1000.000	8.00E-5	0.0015	2.2100	0.2210
CBDV	1000.000	6.50E-5	0.0015	<LOQ	<LOQ
Delta-9 THC	1000.000	1.30E-5	0.0015	<LOQ	<LOQ
THCA	1000.000	3.20E-5	0.0015	<LOQ	<LOQ
THCV	1000.000	7.00E-6	0.0015	<LOQ	<LOQ

Tested SOP13.001 (LCUV)

Potency Summary

Total THC	None Detected	Total CBD	0.832% 226.190mg
Total CBG	1.724% 468.690mg	Total CBN	1.872% 508.920mg
Other Cannabinoids	1.010% 274.580mg	Total Cannabinoids	5.438% 1,478.370mg

Terpenes Summary

Analyte	Result (mg/g)	(%)
Linalool	2.772	0.277%
Farnesene	2.05	0.205%
Ocimene	0.793	0.079%
beta-Myrcene	0.589	0.059%

Total Terpenes: 0.620%

Detailed Terpenes Analysis is on the following page

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

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



Definitions and Abbreviations used in this report: Total CBD = CBD + (CBD-A * 0.877), *Total CBDV = CBDV + (CBDVA * 0.87), Total THC = THCA-A * 0.877 + Delta 9 THC, Total THCV = THCV + (THCVA * 0.87), CBG Total = (CBGA * 0.877) + CBG, CBN Total = (CBNA * 0.877) + CBN, Total CBC = CBC + (CBCA * 0.877), Total THC-O-Acetate = Delta 8 THC-O-Acetate + Delta 9 THC-O-Acetate, Other Cannabinoids Total = Total Cannabinoids - All the listed cannabinoids on the summary section, Total Detected Cannabinoids = Delta 6a10a-THC + Delta 8-THC + Total CBN + CBT + Delta 8-THCV + Total CBD + Total THCV + CBL + Total THC + Total CBC + Total CBDV + Delta 10-THC + Total THC-O-Acetate, Analyte Details above show the Dry Weight Concentrations unless specified as 12% moisture concentration. (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 (cfu/g) = Colony Forming Unit per Gram, LOD = Limit of Detection, (µg/g) = Microgram per Gram (ppm) = Parts per Million, (ppm) = (µg/g), (aw) = aw (area ratio) = Area Ratio, (mg/Kg) = Milligram per Kilogram, *Measurement of Uncertainty = +/- 10%

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Order Date: 2022-08-22
Sample # AADH320

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Completion Date: 2022-08-29

Initial Gross Weight: 76.563 g
Net Weight: 27.186 g

Number of Units: 1
Net Weight per Unit: 27186.000 mg



Pesticides FL V4

Specimen Weight: 270.950 mg

Dilution Factor: 5.540

Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)	Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)
Abamectin	2.8800E-1	28.23	300	<LOQ	Fludioxonil	1.7400E+0	48	3000	<LOQ
Acephate	2.3000E-2	30	3000	<LOQ	Hexythiazox	4.9000E-2	30	2000	<LOQ
Acetamiprid	9.5640E+0	48	2000	<LOQ	Imazalil	2.4800E-1	30	100	<LOQ
Acetamiprid	5.2000E-2	30	3000	<LOQ	Imidacloprid	9.4000E-2	30	3000	<LOQ
Aldicarb	2.6000E-2	30	100	<LOQ	Kresoxim Methyl	4.2000E-2	30	1000	<LOQ
Azoxystrobin	8.1000E-2	10	3000	<LOQ	Malathion	8.2000E-2	30	2000	<LOQ
Bifenazate	1.4150E+0	30	3000	<LOQ	Metaxyl	8.1000E-2	10	3000	<LOQ
Bifenthrin	4.3000E-2	30	500	<LOQ	Methiocarb	3.2000E-2	30	100	<LOQ
Boscalid	5.5000E-2	10	3000	<LOQ	Methomyl	2.2000E-2	30	100	<LOQ
Captan	6.1200E+0	30	3000	<LOQ	methyl-Parathion	1.7100E+0	10	100	<LOQ
Carbaryl	2.2000E-2	10	500	<LOQ	Mevinphos	2.1500E+0	10	100	<LOQ
Carbofuran	3.4000E-2	10	100	<LOQ	Myclobutanil	1.0290E+0	30	3000	<LOQ
Chlorantranilprole	3.3000E-2	10	3000	<LOQ	Naled	9.5000E-2	30	500	<LOQ
Chlordane	1.0000E+1	10	100	<LOQ	Oxamyl	2.5000E-2	30	500	<LOQ
Chlorfenapyr	3.4000E-2	30	100	<LOQ	Paclobutrazol	6.5000E-2	30	100	<LOQ
Chloromequat Chloride	1.0800E-1	10	3000	<LOQ	Pentachloronitrobenzene	1.3200E+0	10	200	<LOQ
Chlorpyrifos	3.5000E-2	30	100	<LOQ	Permethrin	3.4300E-1	30	1000	<LOQ
Clofentezine	1.1900E-1	30	500	<LOQ	Phosmet	8.2000E-2	30	200	<LOQ
Coumaphos	3.7700E+0	48	100	<LOQ	Piperonylbutoxide	2.9000E-2	30	3000	<LOQ
Cyfluthrin	3.1100E+0	30	1000	<LOQ	Prallethrin	7.9800E-1	30	400	<LOQ
Cypermethrin	1.4490E+0	30	1000	<LOQ	Propiconazole	7.0000E-2	30	1000	<LOQ
Daminozide	8.8500E-1	30	100	<LOQ	Propoxur	4.6000E-2	30	100	<LOQ
Diazinon	4.4000E-2	30	200	<LOQ	Pyrethrins	2.3593E+1	30	1000	<LOQ
Dichlorvos	2.1820E+0	30	100	<LOQ	Pyridaben	3.2000E-2	30	3000	<LOQ
Dimethoate	2.1000E-2	30	100	<LOQ	Spinetoram	8.0000E-2	10	3000	<LOQ
Dimethomorph	5.8300E+0	48	3000	<LOQ	Spinosad	8.8000E-2	30	3000	<LOQ
Ethoprophos	3.6000E-1	30	100	<LOQ	Spiromesifen	2.6100E-1	30	3000	<LOQ
Etofenprox	1.1600E-1	30	100	<LOQ	Spirotetramat	8.9000E-2	30	3000	<LOQ
Etozoxole	9.5000E-2	30	1500	<LOQ	Spiroxamine	1.3100E-1	30	100	<LOQ
Fenhexamid	5.1000E-1	10	3000	<LOQ	Tebuconazole	6.7000E-2	30	1000	<LOQ
Fenoxycarb	1.0700E-1	30	100	<LOQ	Thiacloprid	6.4000E-2	30	100	<LOQ
Fenpyroximate	1.3800E-1	30	2000	<LOQ	Thiamectoxam	5.0000E-2	30	1000	<LOQ
Fipronil	1.0700E-1	30	100	<LOQ	Trifloxystrobin	3.7000E-2	30	3000	<LOQ
Fonicamid	5.1700E-1	30	2000	<LOQ					

Passed
SOP13.007
(LCMS/GCMS)



Pathogenic Microbiology SAE (MicroArray)

Specimen Weight: 1009.160 mg

Dilution Factor: 1.000

Analyte	Result (cfu/g)	Analyte	Result (cfu/g)
Aspergillus flavus	Absence in 1g	Aspergillus terreus	Absence in 1g
Aspergillus fumigatus	Absence in 1g	Salmonella	Absence in 1g
Aspergillus niger	Absence in 1g	STEC E. Coli	Absence in 1g



Listeria Monocytogenes

Specimen Weight: 992.940 mg

Dilution Factor: 1.000

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

Passed
SOP13.019
(Micro Array)

Passed
SOP13.032
(qPCR)

Xueli Gao

Lab Toxicologist
Ph.D., DABT

Lab Toxicologist

Aixia Sun

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



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Test Reg State: Florida

Order # TEX220822-020001
Order Date: 2022-08-22
Sample # AADH320

Sampling Date: 2022-08-24
Lab Batch Date: 2022-08-24
Completion Date: 2022-08-29

Initial Gross Weight: 76.563 g
Net Weight: 27.186 g

Number of Units: 1
Net Weight per Unit: 27186.000 mg



Terpenes

Tested
SOP13.023 (GC/GCMS)

Specimen Weight: 107.860 mg

Dilution Factor: 20.000

Analyte	LOQ (%)	Result (mg/g)	(%)	Analyte	LOQ (%)	Result (mg/g)	(%)
Linalool	0.002	2.772	0.277	Eucalyptol	0.002	<LOQ	
Farnesene	0.002	2.050	0.205	Fenchone	0.002	<LOQ	
Ocimene	0.00033	0.793	0.079	Fenchyl Alcohol	0.002	<LOQ	
beta-Myrcene	0.002	0.589	0.059	Gamma-Terpinene	0.002	<LOQ	
(+)-Cedrol	0.002	<LOQ		Geraniol	0.002	<LOQ	
(R)-(+)-Limonene	0.002	<LOQ		Geranyl acetate	0.002	<LOQ	
3-Carene	0.002	<LOQ		Guaiol	0.002	<LOQ	
alpha-Bisabolol	0.002	<LOQ		Hexahydrothymol	0.002	<LOQ	
alpha-Cedrene	0.002	<LOQ		Isoborneol	0.002	<LOQ	
alpha-Humulene	0.002	<LOQ		Isopulegol	0.002	<LOQ	
alpha-Phellandrene	0.002	<LOQ		Nerol	0.002	<LOQ	
alpha-Pinene	0.002	<LOQ		Pulegone	0.002	<LOQ	
alpha-Terpinene	0.002	<LOQ		Sabinene	0.002	<LOQ	
beta-Pinene	0.002	<LOQ		Sabinene Hydrate	0.002	<LOQ	
Borneol	0.004	<LOQ		Terpinolene	0.002	<LOQ	
Camphene	0.002	<LOQ		Total Terpeneol	0.00126	<LOQ	
Camphors	0.006	<LOQ		trans-Caryophyllene	0.002	<LOQ	
Caryophyllene oxide	0.002	<LOQ		trans-Nerolidol	0.002	<LOQ	
cis-Nerolidol	0.002	<LOQ		Valencene	0.002	<LOQ	

Total Terpenes: 0.620%



Residual Solvents - FL (CBD)

Passed
SOP13.039 (GCMS)

Specimen Weight: 309.700 mg

Dilution Factor: 50.000

Analyte	LOD (ppm)	LOQ (ppm)	Action Level (ppm)	Result (ppm)	Analyte	LOD (ppm)	LOQ (ppm)	Action Level (ppm)	Result (ppm)
1,1-Dichloroethane	0.0094	0.16	8	<LOQ	Heptane	0.0013	1.39	5000	<LOQ
1,2-Dichloroethane	0.0003	0.04	5	<LOQ	Hexane	0.068	1.17	290	<LOQ
Acetone	0.015	2.08	5000	<LOQ	Isopropyl alcohol	0.0048	1.39	500	<LOQ
Acetonitrile	0.06	1.17	410	<LOQ	Methanol	0.0005	0.69	3000	<LOQ
Benzene	0.0002	0.02	2	<LOQ	Methylene chloride	0.0029	2.43	600	<LOQ
Butanes	0.4167	2.5	2000	<LOQ	Pentane	0.037	2.08	5000	<LOQ
Chloroform	0.0001	0.04	60	<LOQ	Propane	0.031	5.83	2100	<LOQ
Ethanol	0.0021	2.78	5000	<LOQ	Toluene	0.0009	2.92	890	<LOQ
Ethyl Acetate	0.0012	1.11	5000	<LOQ	Total Xylenes	0.0001	2.92	2170	<LOQ
Ethyl Ether	0.0049	1.39	5000	<LOQ	Trichloroethylene	0.0014	0.49	80	<LOQ
Ethylene Oxide	0.0038	0.1	5	<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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Order Date: 2022-08-22
Sample # AADH320

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Lab Batch Date: 2022-08-24
Completion Date: 2022-08-29

Initial Gross Weight: 76.563 g
Net Weight: 27.186 g

Number of Units: 1
Net Weight per Unit: 27186.000 mg



Mycotoxins

Specimen Weight: 270.950 mg

Passed
SOP13.007 (LCMS)

Dilution Factor: 5.540

Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)	Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)
Aflatoxin B1	3.0400E-1	6	20	<LOQ	Aflatoxin G2	2.7100E-1	6	20	<LOQ
Aflatoxin B2	7.7000E-2	6	20	<LOQ	Ochratoxin A	7.5400E-1	12	20	<LOQ
Aflatoxin G1	3.0400E-1	6	20	<LOQ					



Heavy Metals

Specimen Weight: 246.800 mg

Passed
SOP13.048 (ICP-MS)

Dilution Factor: 202

Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)	Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)
Arsenic (As)	4.83	100	1500	<LOQ	Lead (Pb)	11.76	100	500	<LOQ
Cadmium (Cd)	.64	100	500	<LOQ	Mercury (Hg)	.58	100	3000	<LOQ

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1133 NORTH 2ND ST, ABILENE, TX,
USA
SUITE 102
ABILENE, TX 79601

Batch # PB00001
Batch Date: 2022-05-16
Extracted From: ISO

Test Reg State: Florida

Production Facility: Texas Star Hemp Farms
Production Date: 2022-05-16

Order # TEX220516-020001
Order Date: 2022-05-16
Sample # AACV289

Sampling Date: 2022-05-18
Lab Batch Date: 2022-05-18
Completion Date: 2022-05-22

Initial Gross Weight: 22.523 g
Net Weight: 13.580 g

Number of Units: 1
Net Weight per Unit: 13580.000 mg



Potency
Tested



Heavy Metals
Passed



Mycotoxins
Passed



Product Image



Delta 8/Delta 10 Potency 12

Specimen Weight: 114.120 mg

Analyte	LOD (%)	LOQ (%)	Result (mg/g)	(%)
CBD	0.000054	0.001	14.150	1.415
CBG	0.000248	0.001	13.000	1.300
CBN	0.000014	0.001	12.690	1.269
Delta-8 THC	0.000026	0.001	11.290	1.129
CBDA	0.00001	0.001	10.750	1.075
CBC	0.000018	0.001	<LOQ	
THCA	0.000032	0.001	<LOQ	
Delta-9 THC	0.000013	0.1	<LOQ	
Delta-10 THC	0.000003	0.001	<LOQ	
CBGA	0.00008	0.001	<LOQ	
CBDV	0.000065	0.001	<LOQ	
THCV	0.000007	0.001	<LOQ	

Tested (LCUV)



Potency Summary

Total Delta 8 1.129% 153.320mg	Total Delta 10 None Detected
Total THC None Detected	Total CBD 2.358% 320.220mg
Total CBG 1.300% 176.540mg	Total CBN 1.269% 172.330mg
Other Cannabinoids None Detected	Total Cannabinoids 6.056% 822.400mg

Xueli Gao
Lab Toxicologist
Ph.D., DABT

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



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

Certificate of Analysis

Compliance Test

TEXAS STAR HEMP FARMS

1133 NORTH 2ND ST, ABILENE, TX,
USA
SUITE 102
ABILENE, TX 79601

Batch # PB00001
Batch Date: 2022-05-16
Extracted From: ISO

Test Reg State: Florida

Production Facility: Texas Star Hemp
Farms
Production Date: 2022-05-16

Order # TEX220516-020001
Order Date: 2022-05-16
Sample # AACV289

Sampling Date: 2022-05-18
Lab Batch Date: 2022-05-18
Completion Date: 2022-05-22

Initial Gross Weight: 22.523 g
Net Weight: 13.580 g

Number of Units: 1
Net Weight per Unit: 13580.000 mg



Mycotoxins

Specimen Weight: 251.500 mg

Passed
(LCMS)

Dilution Factor: 5.964

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: 249.870 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
Xueli Gao
Ph.D., DABT
Lab Toxicologist

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



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FL License # CMTL-0003
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Certificate of Analysis

Compliance Test

TEXAS STAR HEMP FARMS
1133 NORTH 2ND ST, ABILENE, TX,
USA
ABILENE, TX 79601

Batch # 00002
Batch Date: 2022-03-24
Extracted From: Isolates

Test Reg State: Florida

Production Facility: Texas Star Hemp
Farms
Production Date: 2022-03-24

Order # TEX220324-010001
Order Date: 2022-03-24
Sample # AACQ173

Sampling Date: 2022-03-25
Lab Batch Date: 2022-03-25
Completion Date: 2022-04-03

Initial Gross Weight: 9.583 g



Product Image



Potency 21 (LCUV)

Specimen Weight: 89.000 mg

Analyte	Dilution (1:n)	LOD (%)	LOQ (%)	Result (mg/g)	(%)
CBD	10.000	0.000054	0.0015	10.3900	1.0390
CBG	10.000	0.000248	0.0015	10.3100	1.0310
CBDa	10.000	0.000001	0.0015	5.2180	0.5218
CBDV	10.000	0.000065	0.0015	4.9630	0.4963
CBGA	10.000	0.000008	0.0015	2.6430	0.2643
CBT	10.000	0.00002	0.0015	1.5340	0.1534
CBC	10.000	0.000018	0.0015	1.3180	0.1318
CBN	10.000	0.000014	0.0015	0.9910	0.0991
Delta-8 THC	10.000	0.000026	0.0015	<LOQ	
CBDVA	10.000	0.000014	0.0015	<LOQ	
CBL	10.000	0.000035	0.0015	<LOQ	
CBNA	10.000	0.000095	0.0015	<LOQ	
Delta-8 THC-O-Acetate	10.000	0.000027	0.0003	<LOQ	
THCVA	10.000	0.000047	0.0015	<LOQ	
THCV	10.000	0.000007	0.0015	<LOQ	
THCA-A	10.000	0.000032	0.0015	<LOQ	
Exo-THC	10.000	0.00023	0.0015	<LOQ	
Delta-9 THCO-Acetate	10.000	0.000077	0.0003	<LOQ	
CBCA	10.000	0.000107	0.0015	<LOQ	
Delta-8 THCV	10.000	0.000004	0.0015	<LOQ	
Delta-9 THC	10.000	0.000013	0.0015	<LOQ	

Tested (LCUV)



Potency Summary

Total THC None Detected	Total CBD 1.497%
Total CBG 1.263%	Total CBN 0.099%
Other Cannabinoids 0.782%	Total Cannabinoids 3.640%

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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