



Certificate of Analysis
Compliance Test

Client Information:

Torch Batch # 25135-TOR-THCP-2G-PR-PR Test Reg State: Georgia
9245 Research Drive Batch Date: 2025-05-20
Irvine, California 90066 Extracted From: HEMP

Order # TER250520-060001 Sampling Date: 2025-05-23 Initial Gross Weight: 28.946 g Number of Units: 1
Order Date: 2025-05-20 Lab Batch Date: 2025-05-23 Net Weight per Unit: 2000.000 mg
Sample # AAGS964 Orig. Completion Date: 2025-05-30 Sampling Method: MSP 7.3.1

Statement of Amendment: Updated Heavy Metals



Potency Tested	HHCP Tested	Pathogenic Microbiology Passed	Heavy Metals Passed	Mycotoxins Passed
Pesticides Passed	Residual Solvents Passed	Moisture Tested	Microbiology (qPCR) Passed	Filtration Passed

Product Image

Potency (LCUV) (GA) + Potency 25 (LCUV)

Specimen Weight: 1024.580 mg

Tested
SOP13.001 (LCUV)

Analyte	Dilution (1:n)	LOD (mg/g)	LOQ (%)	Result (mg/g)	(%)
CBGA	15.000	8.00E-5	0.0125	80.1500	8.0150
Delta9-THCP *	15.000	1.17E-5	0.01	70.5800	7.0580
Delta-8 THC	15.000	2.60E-5	0.0125	69.7600	6.9760
CBCA	15.000	1.07E-4	0.0125	3.4500	0.3450
CBG	15.000	2.48E-4	0.0125	3.2600	0.3260
Delta-9 THC-O Acetate	15.000	7.70E-5	0.025	2.9500	0.2950
Delta8-THCP *	15.000	3.75E-4	0.0125	2.1200	0.2120
Delta-8 THCV	15.000	4.00E-5	0.0125	0.9200	0.0920
CBT	15.000	2.00E-4	0.0125	0.8600	0.0860
CBC	15.000	2.76E-5	0.075	0.8480	0.0848
CBDA	15.000	1.00E-5	0.0125	0.8400	0.0840
THCA-A	15.000	3.20E-5	0.0125	0.7900	0.0790
CBN	15.000	1.40E-5	0.0125	0.5800	0.0580
CBD	15.000	5.40E-5	0.0125	0.2300	0.0230
CBL	15.000	3.50E-5	0.0125	0.2000	0.0200
Delta-8 THC-O Acetate	15.000	2.70E-5	0.025	0.015	0.015
CBDVA	15.000	1.40E-5	0.0125	0.012	0.012
THCB *	15.000	1.80E-4	0.0163	0.011	0.011
THCVA	15.000	4.70E-5	0.0125	0.01	0.01
Delta-10 THC	15.000	3.00E-6	0.0125	<LOQ	<LOQ
Delta-9 THC	15.000	2.80E-4	0.075	<LOQ	<LOQ
Exo-THC	15.000	2.30E-4	0.0125	<LOQ	<LOQ
CBDV	15.000	6.50E-5	0.0125	<LOQ	<LOQ
CBNA	15.000	9.50E-5	0.0125	<LOQ	<LOQ
THCH *	15.000	3.50E-4	0.0163	<LOQ	<LOQ
THCV	15.000	7.00E-6	0.0125	<LOQ	<LOQ
Total Active CBD	15.000			0.967	0.097
Total Active THC	15.000			0.693	0.069

Potency Summary

Total HHC None Detected	Total Active THC 1.38 mg
Total Active CBD 1.94 mg	Total CBG 147.26 mg
Total CBN 1.16 mg	Total Cannabinoids 476.036 mg

Summary Results determined from two distinct Potency Tests - Potency (LCUV) (GA) + Potency 25 (LCUV)

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, (µg/g), (aw) = Water Activity, (mg/Kg) = Milligram per Kilogram, The results apply to the sample as received. Revised report-see statement of amendment above.

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Sample # AAGS964 Orig. Completion Date: 2025-05-30 Sampling Method: MSP 7.3.1

Moisture
Specimen Weight: *N/A* Dilution Factor: 1.000

Tested
SOP13.015 (Moisture Meter)

Analyte	Action Level (%)	Result (%)
Moisture	15	8.910

PCR Total Yeast and Mold
Specimen Weight: 986.900 mg

Passed
SOP13.017 (qPCR)

Dilution Factor: 20.000

Analyte	Action Level (cfu/g)	LOQ (cfu/g)	Result (cfu/g)
Total Yeast/Mold	100000	1000	14717

Prep. By: 1161 Date: 2025-05-23 12:13:10 Analyzed By: 1161 Date: 2025-05-23 12:13:10
 Reviewed By: 1179 Date: 2025-05-23 20:09:28 Lab Batch #: AAGS964-218 Date: 2025-05-23 20:09:28

Microbiology Pathogenic AE qPCR - (GA)
Specimen Weight: 1035.100 mg

Passed
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	Passed	STEC	1	Passed

Filth and Foreign Material - (GA)
Specimen Weight: *N/A* Dilution Factor: 1.000

Passed
SOP13.020 (Electronic Balance)

Analyte	Action Level (%)	Result (%)	Analyte	Action Level (%)	Result (%)
Covered Area	10	0.000	Weight %	1	0.000
Feces	0.5	0.000			

Aixia Sun
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Heavy Metals

Specimen Weight: 248.800 mg

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)	4.83	100	200	<LOQ	Lead (Pb)	11.76	100	500	<LOQ
Cadmium (Cd)	.64	100	200	123.561	Mercury (Hg)	.58	100	200	<LOQ



Residual Solvents (GA-4)

Specimen Weight: 5.100 mg

Passed

SOP13.039 (GCMS-HS)

Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)	Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)
Butane	0.4167	53.6	800000	<LOQ	Heptane	0.0013	29.8	500000	<LOQ
Ethanol	0.0021	59.5	5000000	182424.700	Hexane	0.068	25	100000	<LOQ



Mycotoxins

Specimen Weight: 586.400 mg

Passed

SOP13.007 (LCMS)

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	3.8	20	<LOQ
Aflatoxin G1	3.0400E-1	6	20	<LOQ					

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Sample # AAGS964 Orig. Completion Date: 2025-05-30 Sampling Method: MSP 7.3.1

HHCP

Specimen Weight: 1024.580 mg
Dilution Factor: 7500.000

Tested

SOP13.050 (LCMS)

Analyte	LOD (%)	LOQ (%)	Result (mg/g)	(%) Analyte	LOD (%)	LOQ (%)	Result (mg/g)	(%)
(9R)-HHC	3.6600E-6	0.075	<LOQ	<LOQ CBC	2.760000E-5	0.075	0.8480	0.0848
(9S)-HHC	6.6000E-6	0.075	<LOQ	<LOQ Delta-8 THC methyl ether	2.480000E-4	0.075	<LOQ	<LOQ
(±)-9β-hydroxy-HHC	7.7800E-6	0.075	<LOQ	<LOQ Delta-9 THC	2.8000E-4	0.075	<LOQ	<LOQ
1(R)-H4-CBD	7.330000E-7	0.15	<LOQ	<LOQ Delta-9 THC methyl ether	1.600000E-4	0.075	<LOQ	<LOQ
1(S)-H4-CBD	6.630000E-7	0.15	<LOQ	<LOQ H2-CBD	1.440000E-7	0.075	<LOQ	<LOQ
9(R)-HHCP	3.0900E-5	0.075	<LOQ	<LOQ Total HHC		0.075	<LOQ	<LOQ
9(S)-HHCP	2.5500E-5	0.075	<LOQ	<LOQ				

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Sample # AAGS964 Orig. Completion Date: 2025-05-30 Sampling Method: MSP 7.3.1

Pesticides
Specimen Weight: 586.400 mg
Dilution Factor: 2.560

Passed
SOP13.007 (LCMS)

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	100	<LOQ	Fludioxonil	1.7400E+0	48	100	<LOQ
Acephate	2.3000E-2	30	100	<LOQ	Hexythiazox	4.9000E-2	30	100	<LOQ
Acequinocyl	9.5640E+0	48	100	<LOQ	Imazalil	2.4800E-1	30	100	<LOQ
Acetamiprid	5.2000E-2	30	100	<LOQ	Imidacloprid	9.4000E-2	30	400	<LOQ
Aldicarb	2.6000E-2	30	100	<LOQ	Kresoxim Methyl	4.2000E-2	30	100	<LOQ
Azoxystrobin	8.1000E-2	10	100	<LOQ	Malathion	8.2000E-2	30	200	<LOQ
Bifenazate	1.4150E+0	30	100	<LOQ	Metalaxyl	8.1000E-2	10	100	<LOQ
Bifenthrin	4.3000E-2	30	200	<LOQ	Methiocarb	3.2000E-2	30	100	<LOQ
Boscalid	5.5000E-2	10	100	<LOQ	Methomyl	2.2000E-2	30	100	<LOQ
Captan	6.1200E+0	30	700	<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	MGK-264	5.8500E-1	10	100	<LOQ
Chlorantraniliprole	3.3000E-2	10	1000	<LOQ	Myclobutanil	1.0290E+0	30	100	<LOQ
Chlordane	1.0000E+1	10	100	<LOQ	Naled	9.5000E-2	30	250	<LOQ
Chlorfenapyr	3.4000E-2	30	100	<LOQ	Oxamyl	2.5000E-2	30	500	<LOQ
Chloromequat Chloride	1.0800E-1	10	1000	<LOQ	Paclbutrazol	6.5000E-2	30	100	<LOQ
Chlorpyrifos	3.5000E-2	30	100	<LOQ	Pentachloronitrobenzene	1.3200E+0	10	150	<LOQ
Clofentezine	1.1900E-1	30	200	<LOQ	Permethrin	3.4300E-1	30	100	<LOQ
Coumaphos	3.7700E+0	48	100	<LOQ	Phosmet	8.2000E-2	30	100	<LOQ
Cyfluthrin	3.1100E+0	30	500	<LOQ	Piperonylbutoxide	2.9000E-2	30	3000	<LOQ
Cypermethrin	1.4490E+0	30	500	<LOQ	Prallethrin	7.9800E-1	30	100	<LOQ
Daminozide	8.8500E-1	30	100	<LOQ	Propiconazole	7.0000E-2	30	100	<LOQ
Diazinon	4.4000E-2	30	100	<LOQ	Propoxur	4.6000E-2	30	100	<LOQ
Dichlorvos	2.1820E+0	30	100	<LOQ	Pyrethrins	2.3593E+1	30	500	<LOQ
Dimethoate	2.1000E-2	30	100	<LOQ	Pyridaben	3.2000E-2	30	200	<LOQ
Dimethomorph	5.8300E+0	48	200	<LOQ	Spinetoram	8.0000E-2	10	200	<LOQ
Ethoprophos	3.6000E-1	30	100	<LOQ	Spinosad	8.8000E-2	30	100	<LOQ
Etofenprox	1.1600E-1	30	100	<LOQ	Spiromesifen	2.6100E-1	30	100	<LOQ
Etoxadole	9.5000E-2	30	100	<LOQ	Spirotetramat	8.9000E-2	30	100	<LOQ
Fenhexamid	5.1000E-1	10	100	<LOQ	Spiroxamine	1.3100E-1	30	100	<LOQ
Fenoxycarb	1.0700E-1	30	100	<LOQ	Tebuconazole	6.7000E-2	30	100	<LOQ
Fenpyroximate	1.3800E-1	30	100	<LOQ	Thiacloprid	6.4000E-2	30	100	<LOQ
Fipronil	1.0700E-1	30	100	<LOQ	Thiamethoxam	5.0000E-2	30	500	<LOQ
Flonicamid	5.1700E-1	30	100	<LOQ	Trifloxystrobin	3.7000E-2	30	100	<LOQ

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

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Irvine, California 90066 Extracted From: HEMP

Order # TER250520-060001 Sampling Date: 2025-05-23 Initial Gross Weight: 29.996 g Number of Units: 1
Order Date: 2025-05-20 Lab Batch Date: 2025-05-23 Net Weight per Unit: 2000.000 mg
Sample # AAGS963 Completion Date: 2025-05-30 Sampling Method: MSP 7.3.1



Product Image

Potency Tested	HHCP Tested	Pathogenic Microbiology Passed	Heavy Metals Passed	Mycotoxins Passed
Pesticides Passed	Residual Solvents Passed	Moisture Tested	Microbiology (qPCR) Passed	Filtration Passed

Potency (LCUV) (GA) + Potency 25 (LCUV)

Specimen Weight: 944.050 mg

Tested
SOP13.001 (LCUV)

Analyte	Dilution (1:n)	LOD (mg/g)	LOQ (%)	Result (mg/g)	(%)
CBGA	15.000	8.00E-5	0.0125	80.7100	8.0710
Delta-8 THC	15.000	2.60E-5	0.0125	72.5600	7.2560
Delta9-THCP *	15.000	1.17E-5	0.01	66.6100	6.6610
CBCA	15.000	1.07E-4	0.0125	3.5800	0.3580
CBG	15.000	2.48E-4	0.0125	3.2600	0.3260
Delta-9 THC-O Acetate	15.000	7.70E-5	0.025	2.8300	0.2830
Delta8-THCP *	15.000	3.75E-4	0.0125	2.0200	0.2020
Delta-8 THC V	15.000	4.00E-5	0.0125	0.8700	0.0870
CBDA	15.000	1.00E-5	0.0125	0.8500	0.0850
CBT	15.000	2.00E-4	0.0125	0.8100	0.0810
CBC	15.000	2.76E-5	0.075	0.7910	0.0791
THCA-A	15.000	3.20E-5	0.0125	0.7800	0.0780
CBN	15.000	1.40E-5	0.0125	0.5600	0.0560
CBD	15.000	5.40E-5	0.0125	0.2400	0.0240
CBL	15.000	3.50E-5	0.0125	0.1800	0.0180
CBDVA	15.000	1.40E-5	0.0125	0.1300	0.0130
Delta-8 THC-O Acetate	15.000	2.70E-5	0.025	0.012	0.012
THCB *	15.000	1.80E-4	0.0163	0.009	0.009
THCVA	15.000	4.70E-5	0.0125	0.009	0.009
Delta-10 THC	15.000	3.00E-6	0.0125	<LOQ	<LOQ
Delta-9 THC	15.000	2.80E-4	0.075	<LOQ	<LOQ
Exo-THC	15.000	2.30E-4	0.0125	<LOQ	<LOQ
CBDV	15.000	6.50E-5	0.0125	<LOQ	<LOQ
CBNA	15.000	9.50E-5	0.0125	<LOQ	<LOQ
THCH *	15.000	3.50E-4	0.0163	<LOQ	<LOQ
THCV	15.000	7.00E-6	0.0125	<LOQ	<LOQ
Total Active CBD	15.000			0.985	0.099
Total Active THC	15.000			0.684	0.068

Potency Summary

Total HHC None Detected	Total Active THC 1.36 mg 0.068%
Total Active CBD 1.98 mg 0.099%	Total CBG 148.24 mg 7.412%
Total CBN 1.12 mg 0.056%	Total Cannabinoids 474.162 mg 23.708%

Summary Results determined from two distinct Potency Tests - Potency (LCUV) (GA) + Potency 25 (LCUV)

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Sample # AAGS963 Completion Date: 2025-05-30 Sampling Method: MSP 7.3.1

Moisture
Specimen Weight: *N/A* Dilution Factor: 1.000

Tested
SOP13.015 (Moisture Meter)
Result (%)
10.330

Analyte	Action Level (%)	Result (%)
Moisture	15	10.330

PCR Total Yeast and Mold
Specimen Weight: 993.400 mg
Dilution Factor: 20.000

Passed
SOP13.017 (qPCR)

Analyte	Action Level (cfu/g)	LOQ (cfu/g)	Result (cfu/g)
Total Yeast/Mold	100000	1000	4015

Prep. By: 1161 Date: 2025-05-23 12:13:10 Analyzed By: 1161 Date: 2025-05-23 12:13:10
Reviewed By: 1179 Date: 2025-05-23 20:09:29 Lab Batch #: AAGS963-218 Date: 2025-05-23 20:09:29

Microbiology Pathogenic AE qPCR - (GA)
Specimen Weight: 1032.000 mg
Dilution Factor: 1.000

Passed
SOP13.029 (qPCR)

Analyte	Action Level (cfu/g)	Result (cfu/g)	Analyte	Action Level (cfu/g)	Result (cfu/g)
Aspergillus (Flavus, Fumigatus, Niger, Terreus)	1	Passed	STEC	1	Passed

Filth and Foreign Material - (GA)
Specimen Weight: *N/A* Dilution Factor: 1.000

Passed
SOP13.020 (Electronic Balance)

Analyte	Action Level (%)	Result (%)	Analyte	Action Level (%)	Result (%)
Covered Area	10	0.000	Weight %	1	0.000
Feces	0.5	0.000			

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

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Certificate of Analysis
Compliance Test

Client Information:

Torch Batch # 25135-TOR-THCP-2G-PR-MS Test Reg State: Georgia
9245 Research Drive Batch Date: 2025-05-20
Irvine, California 90066 Extracted From: HEMP
Order # TER250520-060001 Sampling Date: 2025-05-23 Initial Gross Weight: 29.996 g Number of Units: 1
Order Date: 2025-05-20 Lab Batch Date: 2025-05-23 Net Weight per Unit: 2000.000 mg
Sample # AAGS963 Completion Date: 2025-05-30 Sampling Method: MSP 7.3.1

Heavy Metals Specimen Weight: 252.100 mg **Passed**
 Dilution Factor: 198 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)	4.83	100	200	<LOQ	Lead (Pb)	11.76	100	500	<LOQ
Cadmium (Cd)	.64	100	200	128.120	Mercury (Hg)	.58	100	200	<LOQ

Residual Solvents (GA-4) Specimen Weight: 7.100 mg **Passed**
 Dilution Factor: 1.000 SOP13.039 (GCMS-HS)

Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)	Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)
Butane	0.4167	53.6	800000	<LOQ	Heptane	0.0013	29.8	500000	<LOQ
Ethanol	0.0021	59.5	5000000	178379.240	Hexane	0.068	25	100000	<LOQ

Mycotoxins Specimen Weight: 582.700 mg **Passed**
 Dilution Factor: 2.570 SOP13.007 (LCMS)

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	3.8	20	<LOQ
Aflatoxin G1	3.0400E-1	6	20	<LOQ					

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Sample # AAGS963 Completion Date: 2025-05-30 Sampling Method: MSP 7.3.1

HHCP Specimen Weight: 944.050 mg
Dilution Factor: 7500.000

Tested
SOP13.050 (LCMS)

Analyte	LOD (%)	LOQ (%)	Result (mg/g)	(%) Analyte	LOD (%)	LOQ (%)	Result (mg/g)	(%)
(9R)-HHC	3.6600E-6	0.075	<LOQ	<LOQ CBC	2.760000E-5	0.075	0.7910	0.0791
(9S)-HHC	6.6000E-6	0.075	<LOQ	<LOQ Delta-8 THC methyl ether	2.480000E-4	0.075	<LOQ	<LOQ
(±)-9β-hydroxy-HHC	7.7800E-6	0.075	<LOQ	<LOQ Delta-9 THC	2.8000E-4	0.075	<LOQ	<LOQ
1(R)-H4-CBD	7.330000E-7	0.15	<LOQ	<LOQ Delta-9 THC methyl ether	1.600000E-4	0.075	<LOQ	<LOQ
1(S)-H4-CBD	6.630000E-7	0.15	<LOQ	<LOQ H2-CBD	1.440000E-7	0.075	<LOQ	<LOQ
9(R)-HHCP	3.0900E-5	0.075	<LOQ	<LOQ Total HHC		0.075	<LOQ	<LOQ
9(S)-HHCP	2.5500E-5	0.075	<LOQ	<LOQ				

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Sample # AAGS963 Completion Date: 2025-05-30 Sampling Method: MSP 7.3.1

Pesticides
Specimen Weight: 582.700 mg
Dilution Factor: 2.570

Passed

SOP13.007 (LCMS)

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	100	<LOQ	Fludioxonil	1.7400E+0	48	100	<LOQ
Acephate	2.3000E-2	30	100	<LOQ	Hexythiazox	4.9000E-2	30	100	<LOQ
Acequinocyl	9.5640E+0	48	100	<LOQ	Imazalil	2.4800E-1	30	100	<LOQ
Acetamiprid	5.2000E-2	30	100	<LOQ	Imidacloprid	9.4000E-2	30	400	<LOQ
Aldicarb	2.6000E-2	30	100	<LOQ	Kresoxim Methyl	4.2000E-2	30	100	<LOQ
Azoxystrobin	8.1000E-2	10	100	<LOQ	Malathion	8.2000E-2	30	200	<LOQ
Bifenazate	1.4150E+0	30	100	<LOQ	Metalaxyl	8.1000E-2	10	100	<LOQ
Bifenthrin	4.3000E-2	30	200	<LOQ	Methiocarb	3.2000E-2	30	100	<LOQ
Boscalid	5.5000E-2	10	100	<LOQ	Methomyl	2.2000E-2	30	100	<LOQ
Captan	6.1200E+0	30	700	<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	MGK-264	5.8500E-1	10	100	<LOQ
Chlorantraniliprole	3.3000E-2	10	1000	<LOQ	Myclobutanil	1.0290E+0	30	100	<LOQ
Chlordane	1.0000E+1	10	100	<LOQ	Naled	9.5000E-2	30	250	<LOQ
Chlorfenapyr	3.4000E-2	30	100	<LOQ	Oxamyl	2.5000E-2	30	500	<LOQ
Chloromequat Chloride	1.0800E-1	10	1000	<LOQ	Pacllobutrazol	6.5000E-2	30	100	<LOQ
Chlorpyrifos	3.5000E-2	30	100	<LOQ	Pentachloronitrobenzene	1.3200E+0	10	150	<LOQ
Clofentezine	1.1900E-1	30	200	<LOQ	Permethrin	3.4300E-1	30	100	<LOQ
Coumaphos	3.7700E+0	48	100	<LOQ	Phosmet	8.2000E-2	30	100	<LOQ
Cyfluthrin	3.1100E+0	30	500	<LOQ	Piperonylbutoxide	2.9000E-2	30	3000	<LOQ
Cypermethrin	1.4490E+0	30	500	<LOQ	Prallethrin	7.9800E-1	30	100	<LOQ
Daminozide	8.8500E-1	30	100	<LOQ	Propiconazole	7.0000E-2	30	100	<LOQ
Diazinon	4.4000E-2	30	100	<LOQ	Propoxur	4.6000E-2	30	100	<LOQ
Dichlorvos	2.1820E+0	30	100	<LOQ	Pyrethrins	2.3593E+1	30	500	<LOQ
Dimethoate	2.1000E-2	30	100	<LOQ	Pyridaben	3.2000E-2	30	200	<LOQ
Dimethomorph	5.8300E+0	48	200	<LOQ	Spinetoram	8.0000E-2	10	200	<LOQ
Ethoprophos	3.6000E-1	30	100	<LOQ	Spinosad	8.8000E-2	30	100	<LOQ
Etofenprox	1.1600E-1	30	100	<LOQ	Spiromesifen	2.6100E-1	30	100	<LOQ
Etiozazole	9.5000E-2	30	100	<LOQ	Spirotetramat	8.9000E-2	30	100	<LOQ
Fenhexamid	5.1000E-1	10	100	<LOQ	Spiroxamine	1.3100E-1	30	100	<LOQ
Fenoxycarb	1.0700E-1	30	100	<LOQ	Tebuconazole	6.7000E-2	30	100	<LOQ
Fenpyroximate	1.3800E-1	30	100	<LOQ	Thiacloprid	6.4000E-2	30	100	<LOQ
Fipronil	1.0700E-1	30	100	<LOQ	Thiamethoxam	5.0000E-2	30	500	<LOQ
Flonicamid	5.1700E-1	30	100	<LOQ	Trifloxystrobin	3.7000E-2	30	100	<LOQ

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

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Sample # AAGS962 Completion Date: 2025-05-30 Sampling Method: MSP 7.3.1



Product Image

Potency Tested	HHCP Tested	Pathogenic Microbiology Passed	Heavy Metals Passed	Mycotoxins Passed
Pesticides Passed	Residual Solvents Passed	Moisture Tested	Microbiology (qPCR) Passed	Filtration Passed

Potency (LCUV) (GA) + Potency 25 (LCUV)

Specimen Weight: 1002.400 mg

Analyte	Dilution (1:n)	LOD (mg/g)	LOQ (%)	Result (mg/g)	(%)
Delta-8 THC	15.000	2.60E-5	0.0125	86.3700	8.6370
CBGA	15.000	8.00E-5	0.0125	78.9600	7.8960
Delta9-THCP *	15.000	1.17E-5	0.01	77.1100	7.7110
CBCA	15.000	1.07E-4	0.0125	3.5100	0.3510
CBG	15.000	2.48E-4	0.0125	3.2200	0.3220
Delta-9 THC-O Acetate	15.000	7.70E-5	0.025	3.1900	0.3190
Delta8-THCP *	15.000	3.75E-4	0.0125	2.3100	0.2310
Delta-8 THC V	15.000	4.00E-5	0.0125	1.0000	0.1000
CBT	15.000	2.00E-4	0.0125	0.8500	0.0850
CBC	15.000	2.76E-5	0.075	0.8160	0.0816
THCA-A	15.000	3.20E-5	0.0125	0.7800	0.0780
CBDA	15.000	1.00E-5	0.0125	0.7300	0.0730
CBN	15.000	1.40E-5	0.0125	0.6600	0.0660
CBD	15.000	5.40E-5	0.0125	0.2200	0.0220
CBL	15.000	3.50E-5	0.0125	0.2100	0.0210
Delta-8 THC-O Acetate	15.000	2.70E-5	0.025	0.015	0.015
CBDVA	15.000	1.40E-5	0.0125	0.012	0.012
THCB *	15.000	1.80E-4	0.0163	0.011	0.011
THCVA	15.000	4.70E-5	0.0125	0.009	0.009
Delta-10 THC	15.000	3.00E-6	0.0125	<LOQ	<LOQ
Delta-9 THC	15.000	2.80E-4	0.075	<LOQ	<LOQ
Exo-THC	15.000	2.30E-4	0.0125	<LOQ	<LOQ
CBDV	15.000	6.50E-5	0.0125	<LOQ	<LOQ
CBNA	15.000	9.50E-5	0.0125	<LOQ	<LOQ
THCH *	15.000	3.50E-4	0.0163	<LOQ	<LOQ
THCV	15.000	7.00E-6	0.0125	<LOQ	<LOQ
Total Active CBD	15.000			0.860	0.086
Total Active THC	15.000			0.684	0.068

Tested
SOP13.001 (LCUV)

Potency Summary

Total HHC None Detected	Total Active THC 0.068% 1.36 mg
Total Active CBD 0.086% 1.72 mg	Total CBG 7.255% 145.1 mg
Total CBN 0.066% 1.32 mg	Total Cannabinoids 26.0406% 520.812 mg

Summary Results determined from two distinct Potency Tests - Potency (LCUV) (GA) + Potency 25 (LCUV)

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, (µg/g), (aw) = Water Activity, (mg/Kg) = Milligram per Kilogram. The results apply to the sample as received. 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. ACS Laboratory is accredited to the ISO/IEC 17025:2017 Standard. The tests and/or calibrations marked with an "*" are not ISO/IEC 17025:2017 accredited test results.



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Sample # AAGS962 Completion Date: 2025-05-30 Sampling Method: MSP 7.3.1

Moisture
Specimen Weight: *N/A* Dilution Factor: 1.000

Tested
SOP13.015 (Moisture
Meter)
Result (%)
9.860

Analyte	Action Level (%)	Result (%)
Moisture	15	9.860

PCR Total Yeast and Mold
Specimen Weight: 951.600 mg
Dilution Factor: 20.000

Passed
SOP13.017
(qPCR)
Result (cfu/g)
<LOQ

Analyte	Action Level (cfu/g)	LOQ (cfu/g)	Result (cfu/g)
Total Yeast/Mold	100000	1000	<LOQ

Prep. By: 1161 Date: 2025-05-23 12:13:10 Analyzed By: 1161 Date: 2025-05-23 12:13:10
Reviewed By: 1179 Date: 2025-05-23 20:09:30 Lab Batch #: AAGS962-218 Date: 2025-05-23 20:09:30

Microbiology Pathogenic AE qPCR - (GA)
Specimen Weight: 1014.700 mg
Dilution Factor: 1.000

Passed
SOP13.029 (qPCR)
Result (cfu/g)
Passed

Analyte	Action Level (cfu/g)	Result (cfu/g)	Analyte	Action Level (cfu/g)	Result (cfu/g)
Aspergillus (Flavus, Fumigatus, Niger, Terreus)	1	Passed	STEC	1	Passed

Filth and Foreign Material - (GA)
Specimen Weight: *N/A* Dilution Factor: 1.000

Passed
SOP13.020
(Electronic
Balance)
Result (%)
0.000

Analyte	Action Level (%)	Result (%)	Analyte	Action Level (%)	Result (%)
Covered Area	10	0.000	Weight %	1	0.000
Feces	0.5	0.000			

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Heavy Metals

Specimen Weight: 246.300 mg

Dilution Factor: 203

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	200	<LOQ	Lead (Pb)	11.76	100	500	<LOQ
Cadmium (Cd)	.64	100	200	104.681	Mercury (Hg)	.58	100	200	<LOQ

Passed

SOP13.048 (ICP-MS)



Residual Solvents (GA-4)

Specimen Weight: 15.100 mg

Dilution Factor: 1.000

Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)	Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)
Butane	0.4167	53.6	800000	<LOQ	Heptane	0.0013	29.8	500000	<LOQ
Ethanol	0.0021	59.5	5000000	131925.100	Hexane	0.068	25	100000	<LOQ

Passed

SOP13.039 (GCMS-HS)



Mycotoxins

Specimen Weight: 590.600 mg

Dilution Factor: 2.540

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	3.8	20	<LOQ
Aflatoxin G1	3.0400E-1	6	20	<LOQ					

Passed

SOP13.007 (LCMS)

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HHCP

Specimen Weight: 1002.400 mg
Dilution Factor: 7500.000

Tested

SOP13.050 (LCMS)

Analyte	LOD (%)	LOQ (%)	Result (mg/g)	(%) Analyte	LOD (%)	LOQ (%)	Result (mg/g)	(%)
(9R)-HHC	3.6600E-6	0.075	<LOQ	<LOQ CBC	2.760000E-5	0.075	0.8160	0.0816
(9S)-HHC	6.6000E-6	0.075	<LOQ	<LOQ Delta-8 THC methyl ether	2.480000E-4	0.075	<LOQ	<LOQ
(±)-9β-hydroxy-HHC	7.7800E-6	0.075	<LOQ	<LOQ Delta-9 THC	2.8000E-4	0.075	<LOQ	<LOQ
1(R)-H4-CBD	7.330000E-7	0.15	<LOQ	<LOQ Delta-9 THC methyl ether	1.600000E-4	0.075	<LOQ	<LOQ
1(S)-H4-CBD	6.630000E-7	0.15	<LOQ	<LOQ H2-CBD	1.440000E-7	0.075	<LOQ	<LOQ
9(R)-HHCP	3.0900E-5	0.075	<LOQ	<LOQ Total HHC		0.075	<LOQ	<LOQ
9(S)-HHCP	2.5500E-5	0.075	<LOQ	<LOQ				

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Sample # AAGS962 Completion Date: 2025-05-30 Sampling Method: MSP 7.3.1

Pesticides
Specimen Weight: 590.600 mg
Dilution Factor: 2.540

Passed
SOP13.007 (LCMS)

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	100	<LOQ	Fludioxonil	1.7400E+0	48	100	<LOQ
Acephate	2.3000E-2	30	100	<LOQ	Hexythiazox	4.9000E-2	30	100	<LOQ
Acequinocyl	9.5640E+0	48	100	<LOQ	Imazalil	2.4800E-1	30	100	<LOQ
Acetamiprid	5.2000E-2	30	100	<LOQ	Imidacloprid	9.4000E-2	30	400	<LOQ
Aldicarb	2.6000E-2	30	100	<LOQ	Kresoxim Methyl	4.2000E-2	30	100	<LOQ
Azoxystrobin	8.1000E-2	10	100	<LOQ	Malathion	8.2000E-2	30	200	<LOQ
Bifenazate	1.4150E+0	30	100	<LOQ	Metalaxyl	8.1000E-2	10	100	<LOQ
Bifenthrin	4.3000E-2	30	200	<LOQ	Methiocarb	3.2000E-2	30	100	<LOQ
Boscalid	5.5000E-2	10	100	<LOQ	Methomyl	2.2000E-2	30	100	<LOQ
Captan	6.1200E+0	30	700	<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	MGK-264	5.8500E-1	10	100	<LOQ
Chlorantraniliprole	3.3000E-2	10	1000	<LOQ	Myclobutanil	1.0290E+0	30	100	<LOQ
Chlordane	1.0000E+1	10	100	<LOQ	Naled	9.5000E-2	30	250	<LOQ
Chlorfenapyr	3.4000E-2	30	100	<LOQ	Oxamyl	2.5000E-2	30	500	<LOQ
Chloromequat Chloride	1.0800E-1	10	1000	<LOQ	Paclbutrazol	6.5000E-2	30	100	<LOQ
Chlorpyrifos	3.5000E-2	30	100	<LOQ	Pentachloronitrobenzene	1.3200E+0	10	150	<LOQ
Clofentazine	1.1900E-1	30	200	<LOQ	Permethrin	3.4300E-1	30	100	<LOQ
Coumaphos	3.7700E+0	48	100	<LOQ	Phosmet	8.2000E-2	30	100	<LOQ
Cyfluthrin	3.1100E+0	30	500	<LOQ	Piperonylbutoxide	2.9000E-2	30	3000	<LOQ
Cypermethrin	1.4490E+0	30	500	<LOQ	Prallethrin	7.9800E-1	30	100	<LOQ
Daminozide	8.8500E-1	30	100	<LOQ	Propiconazole	7.0000E-2	30	100	<LOQ
Diazinon	4.4000E-2	30	100	<LOQ	Propoxur	4.6000E-2	30	100	<LOQ
Dichlorvos	2.1820E+0	30	100	<LOQ	Pyrethrins	2.3593E+1	30	500	<LOQ
Dimethoate	2.1000E-2	30	100	<LOQ	Pyridaben	3.2000E-2	30	200	<LOQ
Dimethomorph	5.8300E+0	48	200	<LOQ	Spinetoram	8.0000E-2	10	200	<LOQ
Ethoprophos	3.6000E-1	30	100	<LOQ	Spinosad	8.8000E-2	30	100	<LOQ
Etofenprox	1.1600E-1	30	100	<LOQ	Spiromesifen	2.6100E-1	30	100	<LOQ
Etoxazole	9.5000E-2	30	100	<LOQ	Spirotetramat	8.9000E-2	30	100	<LOQ
Fenhexamid	5.1000E-1	10	100	<LOQ	Spiroxamine	1.3100E-1	30	100	<LOQ
Fenoxycarb	1.0700E-1	30	100	<LOQ	Tebuconazole	6.7000E-2	30	100	<LOQ
Fenpyroximate	1.3800E-1	30	100	<LOQ	Thiacloprid	6.4000E-2	30	100	<LOQ
Fipronil	1.0700E-1	30	100	<LOQ	Thiamethoxam	5.0000E-2	30	500	<LOQ
Flonicamid	5.1700E-1	30	100	<LOQ	Trifloxystrobin	3.7000E-2	30	100	<LOQ

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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Certificate of Analysis
Compliance Test

Client Information:

Torch Batch # 25135-TOR-THCP-2G-PR-GFR Test Reg State: Georgia
9245 Research Drive Batch Date: 2025-05-20
Irvine, California 90066 Extracted From: HEMP

Order # TER250520-060001 Sampling Date: 2025-05-23 Initial Gross Weight: 29.367 g Number of Units: 1
Order Date: 2025-05-20 Lab Batch Date: 2025-05-23 Net Weight per Unit: 2000.000 mg
Sample # AAGS961 Completion Date: 2025-05-30 Sampling Method: MSP 7.3.1



Product Image

Potency Tested	HHCP Tested	Pathogenic Microbiology Passed	Heavy Metals Passed	Mycotoxins Passed
Pesticides Passed	Residual Solvents Passed	Moisture Tested	Microbiology (qPCR) Passed	Filtration Passed

Potency (LCUV) (GA) + Potency 25 (LCUV)

Specimen Weight: 994.400 mg

Analyte	Dilution (1:n)	LOD (mg/g)	LOQ (%)	Result (mg/g)	(%)
Delta-8 THC	15.000	2.60E-5	0.0125	77.9900	7.7990
CBGA	15.000	8.00E-5	0.0125	73.8400	7.3840
Delta9-THCP *	15.000	1.17E-5	0.01	70.9000	7.0900
CBCA	15.000	1.07E-4	0.0125	3.5400	0.3540
CBDA	15.000	1.00E-5	0.0125	3.0300	0.3030
Delta-9 THC-O Acetate	15.000	7.70E-5	0.025	2.9400	0.2940
CBG	15.000	2.48E-4	0.0125	2.8500	0.2850
Delta8-THCP *	15.000	3.75E-4	0.0125	2.2300	0.2230
Delta-8 THCV	15.000	4.00E-5	0.0125	0.9700	0.0970
CBT	15.000	2.00E-4	0.0125	0.8600	0.0860
CBC	15.000	2.76E-5	0.075	0.8000	0.0800
THCA-A	15.000	3.20E-5	0.0125	0.7700	0.0770
CBN	15.000	1.40E-5	0.0125	0.5700	0.0570
CBD	15.000	5.40E-5	0.0125	0.3500	0.0350
CBL	15.000	3.50E-5	0.0125	0.2100	0.0210
CBDVA	15.000	1.40E-5	0.0125	0.1300	0.0130
Delta-8 THC-O Acetate	15.000	2.70E-5	0.025	0.012	0.012
THCB *	15.000	1.80E-4	0.0163	0.01	0.01
THCVA	15.000	4.70E-5	0.0125	0.009	0.009
Delta-10 THC	15.000	3.00E-6	0.0125	<LOQ	<LOQ
Delta-9 THCV	15.000	2.80E-4	0.075	<LOQ	<LOQ
Exo-THC	15.000	2.30E-4	0.0125	<LOQ	<LOQ
CBDV	15.000	6.50E-5	0.0125	<LOQ	<LOQ
CBNA	15.000	9.50E-5	0.0125	<LOQ	<LOQ
THCH *	15.000	3.50E-4	0.0163	<LOQ	<LOQ
THCV	15.000	7.00E-6	0.0125	<LOQ	<LOQ
Total Active CBD	15.000			3.007	0.301
Total Active THC	15.000			0.675	0.068

Tested
SOP13.001 (LCUV)

Potency Summary

Total HHC None Detected	Total Active THC 1.36 mg
Total Active CBD 6.02 mg	Total CBG 135.36 mg
Total CBN 1.14 mg	Total Cannabinoids 484.58 mg

Summary Results determined from two distinct Potency Tests - Potency (LCUV) (GA) + Potency 25 (LCUV)

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, (µg/g), (aw) = Water Activity, (mg/Kg) = Milligram per Kilogram. The results apply to the sample as received. 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. ACS Laboratory is accredited to the ISO/IEC 17025:2017 Standard. The tests and/or calibrations marked with an "*" are not ISO/IEC 17025:2017 accredited test results.



Certificate of Analysis
Compliance Test

Client Information:

Torch Batch # 25135-TOR-THCP-2G-PR-GFR Test Reg State: Georgia
9245 Research Drive Batch Date: 2025-05-20
Irvine, California 90066 Extracted From: HEMP
Order # TER250520-060001 Sampling Date: 2025-05-23
Order Date: 2025-05-20 Lab Batch Date: 2025-05-23
Sample # AAGS961 Completion Date: 2025-05-30

Initial Gross Weight: 29.367 g

Number of Units: 1
Net Weight per Unit: 2000.000 mg
Sampling Method: MSP 7.3.1

Moisture
Specimen Weight: N/A Dilution Factor: 1.000

Tested
SOP13.015 (Moisture
Meter)
Result (%)
8.200

Analyte	Action Level (%)	Result (%)
Moisture	15	8.200

PCR Total Yeast and Mold
Specimen Weight: 1005.400 mg
Dilution Factor: 20.000

Passed
SOP13.017
(qPCR)
Result (cfu/g)
<LOQ

Analyte	Action Level (cfu/g)	LOQ (cfu/g)	Result (cfu/g)
Total Yeast/Mold	100000	1000	<LOQ

Prep. By: 1161 Date: 2025-05-23 12:13:10 Analyzed By: 1161 Date: 2025-05-23 12:13:10
Reviewed By: 1179 Date: 2025-05-23 20:09:32 Lab Batch #: AAGS961-218 Date: 2025-05-23 20:09:32

Microbiology Pathogenic AE qPCR - (GA)
Specimen Weight: 1046.100 mg
Dilution Factor: 1.000

Passed
SOP13.029 (qPCR)
Result (cfu/g)
Passed

Analyte	Action Level (cfu/g)	Result (cfu/g)	Analyte	Action Level (cfu/g)	Result (cfu/g)
Aspergillus (Flavus, Fumigatus, Niger, Terreus)	1	Passed	STEC	1	Passed

Filth and Foreign Material - (GA)
Specimen Weight: N/A Dilution Factor: 1.000

Passed
SOP13.020
(Electronic
Balance)
Result (%)
0.000

Analyte	Action Level (%)	Result (%)	Analyte	Action Level (%)	Result (%)
Covered Area	10	0.000	Weight %	1	0.000
Feces	0.5	0.000			

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

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Certificate of Analysis
Compliance Test

Client Information:

Torch Batch # 25135-TOR-THCP-2G-PR-GFR Test Reg State: Georgia
9245 Research Drive Batch Date: 2025-05-20
Irvine, California 90066 Extracted From: HEMP
Order # TER250520-060001 Sampling Date: 2025-05-23 Initial Gross Weight: 29.367 g Number of Units: 1
Order Date: 2025-05-20 Lab Batch Date: 2025-05-23 Net Weight per Unit: 2000.000 mg
Sample # AAGS961 Completion Date: 2025-05-30 Sampling Method: MSP 7.3.1



Heavy Metals

Specimen Weight: 248.100 mg

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)	4.83	100	200	<LOQ	Lead (Pb)	11.76	100	500	<LOQ
Cadmium (Cd)	.64	100	200	136.576	Mercury (Hg)	.58	100	200	<LOQ



Residual Solvents (GA-4)

Specimen Weight: 7.000 mg

Passed

SOP13.039 (GCMS-HS)

Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)	Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)
Butane	0.4167	53.6	800000	<LOQ	Heptane	0.0013	29.8	500000	<LOQ
Ethanol	0.0021	59.5	5000000	210519.410	Hexane	0.068	25	100000	<LOQ



Mycotoxins

Specimen Weight: 604.400 mg

Passed

SOP13.007 (LCMS)

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	3.8	20	<LOQ
Aflatoxin G1	3.0400E-1	6	20	<LOQ					

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

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Certificate of Analysis
Compliance Test

Client Information:

Torch Batch # 25135-TOR-THCP-2G-PR-GFR Test Reg State: Georgia
9245 Research Drive Batch Date: 2025-05-20
Irvine, California 90066 Extracted From: HEMP

Order # TER250520-060001 Sampling Date: 2025-05-23 Initial Gross Weight: 29.367 g Number of Units: 1
Order Date: 2025-05-20 Lab Batch Date: 2025-05-23 Net Weight per Unit: 2000.000 mg
Sample # AAGS961 Completion Date: 2025-05-30 Sampling Method: MSP 7.3.1

HHCP Specimen Weight: 994.400 mg
Dilution Factor: 7500.000

Tested
SOP13.050 (LCMS)

Analyte	LOD (%)	LOQ (%)	Result (mg/g)	(%) Analyte	LOD (%)	LOQ (%)	Result (mg/g)	(%)
(9R)-HHC	3.6600E-6	0.075	<LOQ	<LOQ CBC	2.760000E-5	0.075	0.8000	0.08
(9S)-HHC	6.6000E-6	0.075	<LOQ	<LOQ Delta-8 THC methyl ether	2.480000E-4	0.075	<LOQ	<LOQ
(±)-9β-hydroxy-HHC	7.7800E-6	0.075	<LOQ	<LOQ Delta-9 THC	2.8000E-4	0.075	<LOQ	<LOQ
1(R)-H4-CBD	7.330000E-7	0.15	<LOQ	<LOQ Delta-9 THC methyl ether	1.600000E-4	0.075	<LOQ	<LOQ
1(S)-H4-CBD	6.630000E-7	0.15	<LOQ	<LOQ H2-CBD	1.440000E-7	0.075	<LOQ	<LOQ
9(R)-HHCP	3.0900E-5	0.075	<LOQ	<LOQ Total HHC		0.075	<LOQ	<LOQ
9(S)-HHCP	2.5500E-5	0.075	<LOQ	<LOQ				

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

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Certificate of Analysis
Compliance Test

Client Information:

Torch Batch # 25135-TOR-THCP-2G-PR-GFR Test Reg State: Georgia
9245 Research Drive Batch Date: 2025-05-20
Irvine, California 90066 Extracted From: HEMP

Order # TER250520-060001 Initial Gross Weight: 29.367 g Number of Units: 1
Order Date: 2025-05-20 Lab Batch Date: 2025-05-23 Net Weight per Unit: 2000.000 mg
Sample # AAGS961 Completion Date: 2025-05-30 Sampling Method: MSP 7.3.1

Pesticides
Specimen Weight: 604.400 mg
Dilution Factor: 2.480

Passed
SOP13.007 (LCMS)

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	100	<LOQ	Fludioxonil	1.7400E+0	48	100	<LOQ
Acephate	2.3000E-2	30	100	<LOQ	Hexythiazox	4.9000E-2	30	100	<LOQ
Acequinocyl	9.5640E+0	48	100	<LOQ	Imazalil	2.4800E-1	30	100	<LOQ
Acetamiprid	5.2000E-2	30	100	<LOQ	Imidacloprid	9.4000E-2	30	400	<LOQ
Aldicarb	2.6000E-2	30	100	<LOQ	Kresoxim Methyl	4.2000E-2	30	100	<LOQ
Azoxystrobin	8.1000E-2	10	100	<LOQ	Malathion	8.2000E-2	30	200	<LOQ
Bifenazate	1.4150E+0	30	100	<LOQ	Metalaxyl	8.1000E-2	10	100	<LOQ
Bifenthrin	4.3000E-2	30	200	<LOQ	Methiocarb	3.2000E-2	30	100	<LOQ
Boscalid	5.5000E-2	10	100	<LOQ	Methomyl	2.2000E-2	30	100	<LOQ
Captan	6.1200E+0	30	700	<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	MGK-264	5.8500E-1	10	100	<LOQ
Chlorantraniliprole	3.3000E-2	10	1000	<LOQ	Myclobutanil	1.0290E+0	30	100	<LOQ
Chlordane	1.0000E+1	10	100	<LOQ	Naled	9.5000E-2	30	250	<LOQ
Chlorfenapyr	3.4000E-2	30	100	<LOQ	Oxamyl	2.5000E-2	30	500	<LOQ
Chloromequat Chloride	1.0800E-1	10	1000	<LOQ	Pacllobutrazol	6.5000E-2	30	100	<LOQ
Chlorpyrifos	3.5000E-2	30	100	<LOQ	Pentachloronitrobenzene	1.3200E+0	10	150	<LOQ
Clofentazine	1.1900E-1	30	200	<LOQ	Permethrin	3.4300E-1	30	100	<LOQ
Coumaphos	3.7700E+0	48	100	<LOQ	Phosmet	8.2000E-2	30	100	<LOQ
Cyfluthrin	3.1100E+0	30	500	<LOQ	Piperonylbutoxide	2.9000E-2	30	3000	<LOQ
Cypermethrin	1.4490E+0	30	500	<LOQ	Prallethrin	7.9800E-1	30	100	<LOQ
Daminozide	8.8500E-1	30	100	<LOQ	Propiconazole	7.0000E-2	30	100	<LOQ
Diazinon	4.4000E-2	30	100	<LOQ	Propoxur	4.6000E-2	30	100	<LOQ
Dichlorvos	2.1820E+0	30	100	<LOQ	Pyrethrins	2.3593E+1	30	500	<LOQ
Dimethoate	2.1000E-2	30	100	<LOQ	Pyridaben	3.2000E-2	30	200	<LOQ
Dimethomorph	5.8300E+0	48	200	<LOQ	Spinetoram	8.0000E-2	10	200	<LOQ
Ethoprophos	3.6000E-1	30	100	<LOQ	Spinosad	8.8000E-2	30	100	<LOQ
Etofenprox	1.1600E-1	30	100	<LOQ	Spiromesifen	2.6100E-1	30	100	<LOQ
Etoxazole	9.5000E-2	30	100	<LOQ	Spirotetramat	8.9000E-2	30	100	<LOQ
Fenhexamid	5.1000E-1	10	100	<LOQ	Spiroxamine	1.3100E-1	30	100	<LOQ
Fenoxycarb	1.0700E-1	30	100	<LOQ	Tebuconazole	6.7000E-2	30	100	<LOQ
Fenpyroximate	1.3800E-1	30	100	<LOQ	Thiacloprid	6.4000E-2	30	100	<LOQ
Fipronil	1.0700E-1	30	100	<LOQ	Thiamethoxam	5.0000E-2	30	500	<LOQ
Flonicamid	5.1700E-1	30	100	<LOQ	Trifloxystrobin	3.7000E-2	30	100	<LOQ

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

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Certificate of Analysis
Compliance Test

Client Information:

Torch Batch # 25135-TOR-THCP-2G-PR-BP Test Reg State: Georgia
9245 Research Drive Batch Date: 2025-05-20
Irvine, California 90066 Extracted From: HEMP

Order # TER250520-060001 Sampling Date: 2025-05-23 Initial Gross Weight: 29.741 g Number of Units: 1
Order Date: 2025-05-20 Lab Batch Date: 2025-05-23 Net Weight per Unit: 2000.000 mg
Sample # AAGS960 Completion Date: 2025-06-02 Sampling Method: MSP 7.3.1



Product Image

Potency Tested	HHCP Tested	Pathogenic Microbiology Passed	Heavy Metals Passed	Mycotoxins Passed
Pesticides Passed	Residual Solvents Passed	Moisture Tested	Microbiology (qPCR) Passed	Filtration Passed

Potency (LCUV) (GA) + Potency 25 (LCUV)

Specimen Weight: 1061.900 mg

Tested
SOP13.001 (LCUV)

Analyte	Dilution (1:n)	LOD (mg/g)	LOQ (%)	Result (mg/g)	(%)
CBGA	15.000	8.00E-5	0.0125	81.9400	8.1940
Delta-8 THC	15.000	2.60E-5	0.0125	69.3600	6.9360
Delta-9-THCP *	15.000	1.17E-5	0.01	64.0500	6.4050
CBCA	15.000	1.07E-4	0.0125	3.6000	0.3600
CBG	15.000	2.48E-4	0.0125	3.2200	0.3220
Delta-9 THC-O Acetate	15.000	7.70E-5	0.025	2.6300	0.2630
Delta-8-THCP *	15.000	3.75E-4	0.0125	1.9600	0.1960
Delta-8 THC-V	15.000	4.00E-5	0.0125	0.8500	0.0850
CBT	15.000	2.00E-4	0.0125	0.8400	0.0840
CBC	15.000	2.76E-5	0.075	0.7920	0.0792
THCA-A	15.000	3.20E-5	0.0125	0.7800	0.0780
CBDA	15.000	1.00E-5	0.0125	0.6900	0.0690
CBN	15.000	1.40E-5	0.0125	0.5500	0.0550
CBD	15.000	5.40E-5	0.0125	0.2200	0.0220
CBL	15.000	3.50E-5	0.0125	0.1800	0.0180
CBDVA	15.000	1.40E-5	0.0125	0.012	0.012
Delta-8 THC-O Acetate	15.000	2.70E-5	0.025	0.01	0.01
THCB *	15.000	1.80E-4	0.0163	0.009	0.009
THCVA	15.000	4.70E-5	0.0125	0.009	0.009
Delta-10 THC	15.000	3.00E-6	0.0125	<LOQ	<LOQ
Delta-9 THC	15.000	2.80E-4	0.075	<LOQ	<LOQ
Exo-THC	15.000	2.30E-4	0.0125	<LOQ	<LOQ
CBDV	15.000	6.50E-5	0.0125	<LOQ	<LOQ
CBNA	15.000	9.50E-5	0.0125	<LOQ	<LOQ
THCH *	15.000	3.50E-4	0.0163	<LOQ	<LOQ
THCV	15.000	7.00E-6	0.0125	<LOQ	<LOQ
Total Active CBD	15.000			0.825	0.083
Total Active THC	15.000			0.684	0.068

Potency Summary

Total HHC None Detected	Total Active THC 1.36 mg 0.068%
Total Active CBD 1.66 mg 0.083%	Total CBG 150.32 mg 7.516%
Total CBN 1.1 mg 0.055%	Total Cannabinoids 464.124 mg 23.206%

Summary Results determined from two distinct Potency Tests - Potency (LCUV) (GA) + Potency 25 (LCUV)

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 = Delta-8-THCP + Delta-9-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, (µg/g), (aw) = Water Activity, (mg/Kg) = Milligram per Kilogram. The results apply to the sample as received. 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. ACS Laboratory is accredited to the ISO/IEC 17025:2017 Standard. The tests and/or calibrations marked with an "*" are not ISO/IEC 17025:2017 accredited test results.





Certificate of Analysis
Compliance Test

Client Information:

Torch Batch # 25135-TOR-THCP-2G-PR-BP Test Reg State: Georgia
9245 Research Drive Batch Date: 2025-05-20
Irvine, California 90066 Extracted From: HEMP
Order # TER250520-060001 Sampling Date: 2025-05-23
Order Date: 2025-05-20 Lab Batch Date: 2025-05-23
Sample # AAGS960 Completion Date: 2025-06-02

Initial Gross Weight: 29.741 g

Number of Units: 1
Net Weight per Unit: 2000.000 mg
Sampling Method: MSP 7.3.1

Moisture
Specimen Weight: N/A Dilution Factor: 1.000

Tested
SOP13.015 (Moisture Meter)
Result (%)
9.040

Analyte	Action Level (%)	Result (%)
Moisture	15	9.040

PCR Total Yeast and Mold
Specimen Weight: 994.800 mg
Dilution Factor: 20.000

Passed
SOP13.017 (qPCR)

Analyte	Action Level (cfu/g)	LOQ (cfu/g)	Result (cfu/g)
Total Yeast/Mold	100000	1000	<LOQ

Prep. By: 1161 Date: 2025-05-23 12:13:10 Analyzed By: 1161 Date: 2025-05-23 12:13:10
Reviewed By: 1179 Date: 2025-05-23 20:09:29 Lab Batch #: AAGS960-218 Date: 2025-05-23 20:09:29

Microbiology Pathogenic AE qPCR - (GA)
Specimen Weight: 1039.300 mg
Dilution Factor: 1.000

Passed
SOP13.029 (qPCR)

Analyte	Action Level (cfu/g)	Result (cfu/g)	Analyte	Action Level (cfu/g)	Result (cfu/g)
Aspergillus (Flavus, Fumigatus, Niger, Terreus)	1	Passed	STEC	1	Passed

Filth and Foreign Material - (GA)
Specimen Weight: N/A Dilution Factor: 1.000

Passed
SOP13.020 (Electronic Balance)

Analyte	Action Level (%)	Result (%)	Analyte	Action Level (%)	Result (%)
Covered Area	10	0.000	Weight %	1	0.000
Feces	0.5	0.000			

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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Compliance Test

Client Information:

Torch Batch # 25135-TOR-THCP-2G-PR-BP Test Reg State: Georgia
9245 Research Drive Batch Date: 2025-05-20
Irvine, California 90066 Extracted From: HEMP
Order # TER250520-060001 Sampling Date: 2025-05-23 Initial Gross Weight: 29.741 g Number of Units: 1
Order Date: 2025-05-20 Lab Batch Date: 2025-05-23 Net Weight per Unit: 2000.000 mg
Sample # AAGS960 Completion Date: 2025-06-02 Sampling Method: MSP 7.3.1



Heavy Metals

Specimen Weight: 247.300 mg

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)	4.83	100	200	<LOQ	Lead (Pb)	11.76	100	500	<LOQ
Cadmium (Cd)	.64	100	200	150.721	Mercury (Hg)	.58	100	200	<LOQ



Residual Solvents (GA-4)

Specimen Weight: 15.200 mg

Passed

SOP13.039 (GCMS-HS)

Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)	Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)
Butane	0.4167	53.6	800000	<LOQ	Heptane	0.0013	29.8	500000	<LOQ
Ethanol	0.0021	59.5	5000000	135705.030	Hexane	0.068	25	100000	<LOQ



Mycotoxins

Specimen Weight: 586.900 mg

Passed

SOP13.007 (LCMS)

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	3.8	20	<LOQ
Aflatoxin G1	3.0400E-1	6	20	<LOQ					

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

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Certificate of Analysis
Compliance Test

Client Information:

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Irvine, California 90066 Extracted From: HEMP

Order # TER250520-060001 Sampling Date: 2025-05-23 Initial Gross Weight: 29.741 g Number of Units: 1
Order Date: 2025-05-20 Lab Batch Date: 2025-05-23 Net Weight per Unit: 2000.000 mg
Sample # AAGS960 Completion Date: 2025-06-02 Sampling Method: MSP 7.3.1

HHCP Specimen Weight: 1061.900 mg
Dilution Factor: 7500.000

Tested

SOP13.050 (LCMS)

Analyte	LOD (%)	LOQ (%)	Result (mg/g)	(%) Analyte	LOD (%)	LOQ (%)	Result (mg/g)	(%)
(9R)-HHC	3.6600E-6	0.075	<LOQ	<LOQ CBC	2.760000E-5	0.075	0.7920	0.0792
(9S)-HHC	6.6000E-6	0.075	<LOQ	<LOQ Delta-8 THC methyl ether	2.480000E-4	0.075	<LOQ	<LOQ
(±)-9β-hydroxy-HHC	7.7800E-6	0.075	<LOQ	<LOQ Delta-9 THC	2.8000E-4	0.075	<LOQ	<LOQ
1(R)-H4-CBD	7.330000E-7	0.15	<LOQ	<LOQ Delta-9 THC methyl ether	1.600000E-4	0.075	<LOQ	<LOQ
1(S)-H4-CBD	6.630000E-7	0.15	<LOQ	<LOQ H2-CBD	1.440000E-7	0.075	<LOQ	<LOQ
9(R)-HHCP	3.0900E-5	0.075	<LOQ	<LOQ Total HHC		0.075	<LOQ	<LOQ
9(S)-HHCP	2.5500E-5	0.075	<LOQ	<LOQ				

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

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Compliance Test

Client Information:

Torch Batch # 25135-TOR-THCP-2G-PR-BP Test Reg State: Georgia
9245 Research Drive Batch Date: 2025-05-20
Irvine, California 90066 Extracted From: HEMP
Order # TER250520-060001 Sampling Date: 2025-05-23 Initial Gross Weight: 29.741 g Number of Units: 1
Order Date: 2025-05-20 Lab Batch Date: 2025-05-23 Net Weight per Unit: 2000.000 mg
Sample # AAGS960 Completion Date: 2025-06-02 Sampling Method: MSP 7.3.1

Pesticides
Specimen Weight: 586.900 mg
Dilution Factor: 2.560

Passed

SOP13.007 (LCMS)

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	100	<LOQ	Fludioxonil	1.7400E+0	48	100	<LOQ
Acephate	2.3000E-2	30	100	<LOQ	Hexythiazox	4.9000E-2	30	100	<LOQ
Acequinocyl	9.5640E+0	48	100	<LOQ	Imazalil	2.4800E-1	30	100	<LOQ
Acetamiprid	5.2000E-2	30	100	<LOQ	Imidacloprid	9.4000E-2	30	400	<LOQ
Aldicarb	2.6000E-2	30	100	<LOQ	Kresoxim Methyl	4.2000E-2	30	100	<LOQ
Azoxystrobin	8.1000E-2	10	100	<LOQ	Malathion	8.2000E-2	30	200	<LOQ
Bifenazate	1.4150E+0	30	100	<LOQ	Metalaxyl	8.1000E-2	10	100	<LOQ
Bifenthrin	4.3000E-2	30	200	<LOQ	Methiocarb	3.2000E-2	30	100	<LOQ
Boscalid	5.5000E-2	10	100	<LOQ	Methomyl	2.2000E-2	30	100	<LOQ
Captan	6.1200E+0	30	700	<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	MGK-264	5.8500E-1	10	100	<LOQ
Chlorantraniliprole	3.3000E-2	10	1000	<LOQ	Myclobutanil	1.0290E+0	30	100	<LOQ
Chlordane	1.0000E+1	10	100	<LOQ	Naled	9.5000E-2	30	250	<LOQ
Chlorfenapyr	3.4000E-2	30	100	<LOQ	Oxamyl	2.5000E-2	30	500	<LOQ
Chloromequat Chloride	1.0800E-1	10	1000	<LOQ	Pacllobutrazol	6.5000E-2	30	100	<LOQ
Chlorpyrifos	3.5000E-2	30	100	<LOQ	Pentachloronitrobenzene	1.3200E+0	10	150	<LOQ
Clofentazine	1.1900E-1	30	200	<LOQ	Permethrin	3.4300E-1	30	100	<LOQ
Coumaphos	3.7700E+0	48	100	<LOQ	Phosmet	8.2000E-2	30	100	<LOQ
Cyfluthrin	3.1100E+0	30	500	<LOQ	Piperonylbutoxide	2.9000E-2	30	3000	<LOQ
Cypermethrin	1.4490E+0	30	500	<LOQ	Prallethrin	7.9800E-1	30	100	<LOQ
Daminozide	8.8500E-1	30	100	<LOQ	Propiconazole	7.0000E-2	30	100	<LOQ
Diazinon	4.4000E-2	30	100	<LOQ	Propoxur	4.6000E-2	30	100	<LOQ
Dichlorvos	2.1820E+0	30	100	<LOQ	Pyrethrins	2.3593E+1	30	500	<LOQ
Dimethoate	2.1000E-2	30	100	<LOQ	Pyridaben	3.2000E-2	30	200	<LOQ
Dimethomorph	5.8300E+0	48	200	<LOQ	Spinetoram	8.0000E-2	10	200	<LOQ
Ethoprophos	3.6000E-1	30	100	<LOQ	Spinosad	8.8000E-2	30	100	<LOQ
Etofenprox	1.1600E-1	30	100	<LOQ	Spiromesifen	2.6100E-1	30	100	<LOQ
Etoxazole	9.5000E-2	30	100	<LOQ	Spirotetramat	8.9000E-2	30	100	<LOQ
Fenhexamid	5.1000E-1	10	100	<LOQ	Spiroxamine	1.3100E-1	30	100	<LOQ
Fenoxycarb	1.0700E-1	30	100	<LOQ	Tebuconazole	6.7000E-2	30	100	<LOQ
Fenpyroximate	1.3800E-1	30	100	<LOQ	Thiacloprid	6.4000E-2	30	100	<LOQ
Fipronil	1.0700E-1	30	100	<LOQ	Thiamethoxam	5.0000E-2	30	500	<LOQ
Flonicamid	5.1700E-1	30	100	<LOQ	Trifloxystrobin	3.7000E-2	30	100	<LOQ

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

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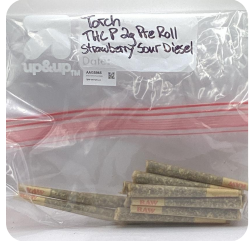


Certificate of Analysis
Compliance Test

Client Information:

Torch Batch # 25135-TOR-THCP-2G-PR-SSD Test Reg State: Georgia
9245 Research Drive Batch Date: 2025-05-20
Irvine, California 90066 Extracted From: HEMP

Order # TER250520-060001 Sampling Date: 2025-05-23 Initial Gross Weight: 29.219 g Number of Units: 1
Order Date: 2025-05-20 Lab Batch Date: 2025-05-23 Net Weight per Unit: 2000.000 mg
Sample # AAGS965 Completion Date: 2025-05-30 Sampling Method: MSP 7.3.1



Product Image

Potency Tested	HHCP Tested	Pathogenic Microbiology Passed	Heavy Metals Passed	Mycotoxins Passed
Pesticides Passed	Residual Solvents Passed	Moisture Tested	Microbiology (qPCR) Passed	Filtration Passed

Potency (LCUV) (GA) + Potency 25 (LCUV)

Specimen Weight: 1003.820 mg

Analyte	Dilution (1:n)	LOD (mg/g)	LOQ (%)	Result (mg/g)	(%)
CBGA	15.000	8.00E-5	0.0125	82.0300	8.2030
Delta-8 THC	15.000	2.60E-5	0.0125	68.6500	6.8650
Delta9-THCP *	15.000	1.17E-5	0.01	68.6000	6.8600
CBCA	15.000	1.07E-4	0.0125	3.5200	0.3520
CBG	15.000	2.48E-4	0.0125	3.1400	0.3140
Delta-9 THC-O Acetate	15.000	7.70E-5	0.025	2.9100	0.2910
Delta8-THCP *	15.000	3.75E-4	0.0125	2.0700	0.2070
Delta-8 THC V	15.000	4.00E-5	0.0125	0.8900	0.0890
CBT	15.000	2.00E-4	0.0125	0.8400	0.0840
THCA-A	15.000	3.20E-5	0.0125	0.7800	0.0780
CBDA	15.000	1.00E-5	0.0125	0.7500	0.0750
CBC	15.000	2.76E-5	0.075	0.0682	0.0682
CBN	15.000	1.40E-5	0.0125	0.5800	0.0580
CBD	15.000	5.40E-5	0.0125	0.2200	0.0220
CBL	15.000	3.50E-5	0.0125	0.1900	0.0190
CBDVA	15.000	1.40E-5	0.0125	0.1300	0.0130
Delta-8 THC-O Acetate	15.000	2.70E-5	0.025	0.012	0.012
THCB *	15.000	1.80E-4	0.0163	0.01	0.01
THCVA	15.000	4.70E-5	0.0125	0.01	0.01
Delta-10 THC	15.000	3.00E-6	0.0125	<LOQ	<LOQ
Delta-9 THC	15.000	2.80E-4	0.075	<LOQ	<LOQ
Exo-THC	15.000	2.30E-4	0.0125	<LOQ	<LOQ
CBDV	15.000	6.50E-5	0.0125	<LOQ	<LOQ
CBNA	15.000	9.50E-5	0.0125	<LOQ	<LOQ
THCH *	15.000	3.50E-4	0.0163	<LOQ	<LOQ
THCV	15.000	7.00E-6	0.0125	<LOQ	<LOQ
Total Active CBD	15.000			0.878	0.0888
Total Active THC	15.000			0.684	0.068

Tested
SOP13.001 (LCUV)

Potency Summary

Total HHC None Detected	Total Active THC 1.36 mg
Total Active CBD 1.76 mg	Total CBG 150.32 mg
Total CBN 1.16 mg	Total Cannabinoids 472.604 mg

Summary Results determined from two distinct Potency Tests - Potency (LCUV) (GA) + Potency 25 (LCUV)

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 THC V = THC V + (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, (µg/g), (aw) = Water Activity, (mg/Kg) = Milligram per Kilogram. The results apply to the sample as received. 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. ACS Laboratory is accredited to the ISO/IEC 17025:2017 Standard. The tests and/or calibrations marked with an "*" are not ISO/IEC 17025:2017 accredited test results.



Certificate of Analysis
Compliance Test

Client Information:

Torch Batch # 25135-TOR-THCP-2G-PR-SSD Test Reg State: Georgia
9245 Research Drive Batch Date: 2025-05-20
Irvine, California 90066 Extracted From: HEMP
Order # TER250520-060001 Sampling Date: 2025-05-23
Order Date: 2025-05-20 Lab Batch Date: 2025-05-23
Sample # AAGS965 Completion Date: 2025-05-30

Initial Gross Weight: 29.219 g Number of Units: 1
Net Weight per Unit: 2000.000 mg
Sampling Method: MSP 7.3.1

Moisture
Specimen Weight: N/A Dilution Factor: 1.000

Tested
SOP13.015 (Moisture
Meter)
Result (%)
9.500

Analyte	Action Level (%)	Result (%)
Moisture	15	9.500

PCR Total Yeast and Mold
Specimen Weight: 1034.500 mg
Dilution Factor: 20.000

Passed
SOP13.017
(qPCR)
Result (cfu/g)
<LOQ

Analyte	Action Level (cfu/g)	LOQ (cfu/g)	Result (cfu/g)
Total Yeast/Mold	100000	1000	<LOQ

Prep. By: 1161 Date: 2025-05-23 12:13:10 Analyzed By: 1161 Date: 2025-05-23 12:13:10
Reviewed By: 1179 Date: 2025-05-23 20:09:31 Lab Batch #: AAGS965-218 Date: 2025-05-23 20:09:31

Microbiology Pathogenic AE qPCR - (GA)
Specimen Weight: 1021.300 mg
Dilution Factor: 1.000

Passed
SOP13.029 (qPCR)
Result (cfu/g)
Passed

Analyte	Action Level (cfu/g)	Result (cfu/g)	Analyte	Action Level (cfu/g)	Result (cfu/g)
Aspergillus (Flavus, Fumigatus, Niger, Terreus)	1	Passed	STEC	1	Passed

Filth and Foreign Material - (GA)
Specimen Weight: N/A Dilution Factor: 1.000

Passed
SOP13.020
(Electronic
Balance)
Result (%)
0.000

Analyte	Action Level (%)	Result (%)	Analyte	Action Level (%)	Result (%)
Covered Area	10	0.000	Weight %	1	0.000
Feces	0.5	0.000			

Aixia Sun
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Order Date: 2025-05-20 Lab Batch Date: 2025-05-23 Net Weight per Unit: 2000.000 mg
Sample # AAGS965 Completion Date: 2025-05-30 Sampling Method: MSP 7.3.1



Heavy Metals

Specimen Weight: 248.100 mg

Passed

SOP13.048 (ICP-MS)

Dilution Factor: 201

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	200	<LOQ	Lead (Pb)	11.76	100	500	<LOQ
Cadmium (Cd)	.64	100	200	128.522	Mercury (Hg)	.58	100	200	<LOQ



Residual Solvents (GA-4)

Specimen Weight: 15.300 mg

Passed

SOP13.039 (GCMS-HS)

Dilution Factor: 1.000

Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)	Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)
Butane	0.4167	53.6	800000	<LOQ	Heptane	0.0013	29.8	500000	<LOQ
Ethanol	0.0021	59.5	5000000	134601.940	Hexane	0.068	25	100000	<LOQ



Mycotoxins

Specimen Weight: 583.200 mg

Passed

SOP13.007 (LCMS)

Dilution Factor: 2.570

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	3.8	20	<LOQ
Aflatoxin G1	3.0400E-1	6	20	<LOQ					

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

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Certificate of Analysis
Compliance Test

Client Information:

Torch Batch # 25135-TOR-THCP-2G-PR-SSD Test Reg State: Georgia
9245 Research Drive Batch Date: 2025-05-20
Irvine, California 90066 Extracted From: HEMP

Order # TER250520-060001 Sampling Date: 2025-05-23 Initial Gross Weight: 29.219 g Number of Units: 1
Order Date: 2025-05-20 Lab Batch Date: 2025-05-23 Net Weight per Unit: 2000.000 mg
Sample # AAGS965 Completion Date: 2025-05-30 Sampling Method: MSP 7.3.1

HHCP Specimen Weight: 1003.820 mg
Dilution Factor: 7500.000

Tested
SOP13.050 (LCMS)

Analyte	LOD (%)	LOQ (%)	Result (mg/g)	(%) Analyte	LOD (%)	LOQ (%)	Result (mg/g)	(%)
(9R)-HHC	3.6600E-6	0.075	<LOQ	<LOQ CBC	2.760000E-5	0.075	<LOQ	<LOQ
(9S)-HHC	6.6000E-6	0.075	<LOQ	<LOQ Delta-8 THC methyl ether	2.480000E-4	0.075	<LOQ	<LOQ
(±)-9β-hydroxy-HHC	7.7800E-6	0.075	<LOQ	<LOQ Delta-9 THC	2.8000E-4	0.075	<LOQ	<LOQ
1(R)-H4-CBD	7.330000E-7	0.15	<LOQ	<LOQ Delta-9 THC methyl ether	1.600000E-4	0.075	<LOQ	<LOQ
1(S)-H4-CBD	6.630000E-7	0.15	<LOQ	<LOQ H2-CBD	1.440000E-7	0.075	<LOQ	<LOQ
9(R)-HHCP	3.0900E-5	0.075	<LOQ	<LOQ Total HHC		0.075	<LOQ	<LOQ
9(S)-HHCP	2.5500E-5	0.075	<LOQ	<LOQ				

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Order Date: 2025-05-20 Lab Batch Date: 2025-05-23 Net Weight per Unit: 2000.000 mg
Sample # AAGS965 Completion Date: 2025-05-30 Sampling Method: MSP 7.3.1

Pesticides
Specimen Weight: 583.200 mg
Dilution Factor: 2.570

Passed
SOP13.007 (LCMS)

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	100	<LOQ	Fludioxonil	1.7400E+0	48	100	<LOQ
Acephate	2.3000E-2	30	100	<LOQ	Hexythiazox	4.9000E-2	30	100	<LOQ
Acequinocyl	9.5640E+0	48	100	<LOQ	Imazalil	2.4800E-1	30	100	<LOQ
Acetamiprid	5.2000E-2	30	100	<LOQ	Imidacloprid	9.4000E-2	30	400	<LOQ
Aldicarb	2.6000E-2	30	100	<LOQ	Kresoxim Methyl	4.2000E-2	30	100	<LOQ
Azoxystrobin	8.1000E-2	10	100	<LOQ	Malathion	8.2000E-2	30	200	<LOQ
Bifenazate	1.4150E+0	30	100	<LOQ	Metalaxyl	8.1000E-2	10	100	<LOQ
Bifenthrin	4.3000E-2	30	200	<LOQ	Methiocarb	3.2000E-2	30	100	<LOQ
Boscalid	5.5000E-2	10	100	<LOQ	Methomyl	2.2000E-2	30	100	<LOQ
Captan	6.1200E+0	30	700	<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	MGK-264	5.8500E-1	10	100	<LOQ
Chlorantraniliprole	3.3000E-2	10	1000	<LOQ	Myclobutanil	1.0290E+0	30	100	<LOQ
Chlordane	1.0000E+1	10	100	<LOQ	Naled	9.5000E-2	30	250	<LOQ
Chlorfenapyr	3.4000E-2	30	100	<LOQ	Oxamyl	2.5000E-2	30	500	<LOQ
Chloromequat Chloride	1.0800E-1	10	1000	<LOQ	Paclbutrazol	6.5000E-2	30	100	<LOQ
Chlorpyrifos	3.5000E-2	30	100	<LOQ	Pentachloronitrobenzene	1.3200E+0	10	150	<LOQ
Clofentazine	1.1900E-1	30	200	<LOQ	Permethrin	3.4300E-1	30	100	<LOQ
Coumaphos	3.7700E+0	48	100	<LOQ	Phosmet	8.2000E-2	30	100	<LOQ
Cyfluthrin	3.1100E+0	30	500	<LOQ	Piperonylbutoxide	2.9000E-2	30	3000	<LOQ
Cypermethrin	1.4490E+0	30	500	<LOQ	Prallethrin	7.9800E-1	30	100	<LOQ
Daminozide	8.8500E-1	30	100	<LOQ	Propiconazole	7.0000E-2	30	100	<LOQ
Diazinon	4.4000E-2	30	100	<LOQ	Propoxur	4.6000E-2	30	100	<LOQ
Dichlorvos	2.1820E+0	30	100	<LOQ	Pyrethrins	2.3593E+1	30	500	<LOQ
Dimethoate	2.1000E-2	30	100	<LOQ	Pyridaben	3.2000E-2	30	200	<LOQ
Dimethomorph	5.8300E+0	48	200	<LOQ	Spinetoram	8.0000E-2	10	200	<LOQ
Ethoprophos	3.6000E-1	30	100	<LOQ	Spinosad	8.8000E-2	30	100	<LOQ
Etofenprox	1.1600E-1	30	100	<LOQ	Spiromesifen	2.6100E-1	30	100	<LOQ
Etoxazole	9.5000E-2	30	100	<LOQ	Spirotetramat	8.9000E-2	30	100	<LOQ
Fenhexamid	5.1000E-1	10	100	<LOQ	Spiroxamine	1.3100E-1	30	100	<LOQ
Fenoxycarb	1.0700E-1	30	100	<LOQ	Tebuconazole	6.7000E-2	30	100	<LOQ
Fenpyroximate	1.3800E-1	30	100	<LOQ	Thiacloprid	6.4000E-2	30	100	<LOQ
Fipronil	1.0700E-1	30	100	<LOQ	Thiamethoxam	5.0000E-2	30	500	<LOQ
Flonicamid	5.1700E-1	30	100	<LOQ	Trifloxystrobin	3.7000E-2	30	100	<LOQ

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