



Certificate of Analysis
Compliance Test

Client Information:

High Spirits
13611 E 104th Ave #800
Suite 160
Commerce City, CO 80022

Batch # TBD5225
Batch Date: 2025-02-10
Extracted From: Hemp

Test Reg State: Utah

Order # HIG250211-030001
Order Date: 2025-02-11
Sample # AAGJ778

Sampling Date: 2025-02-19
Lab Batch Date: 2025-02-19
Completion Date: 2025-02-25

Initial Gross Weight: 52.560 g
Net Weight: 50.460 g

Number of Units: 1
Net Weight per Unit: 5046.000 mg



Product Image



Potency
Tested



Heavy Metals
Passed



Mycotoxins
Passed



Pesticides
Passed



Residual Solvents
Passed



Pathogenic
Passed



Microbiology (qPCR)
Passed

Potency 10
Specimen Weight: 1515.100 mg

Tested
SOP13.001 (LCUV)

Potency Summary

Total Active THC 0.126% 6.358 mg	Total Active CBD 1.172% 59.139 mg
Total CBG None Detected	Total CBN None Detected
Total Cannabinoids 1.298% 65.497 mg	

Pieces For Panel: 10

Analyte	LOD (mg/g)	LOQ (%)	Result (mg/g)	(%)
CBD	5.40E-5	0.015	11.720	1.172
Delta-9 THC	1.30E-5	0.015	1.260	0.126
CBC	1.80E-5	0.015	<LOQ	<LOQ
CBDA	1.00E-5	0.015	<LOQ	<LOQ
CBDV	6.50E-5	0.015	<LOQ	<LOQ
CBG	2.48E-4	0.015	<LOQ	<LOQ
CBGA	8.00E-5	0.015	<LOQ	<LOQ
CBN	1.40E-5	0.015	<LOQ	<LOQ
THCA-A	3.20E-5	0.015	<LOQ	<LOQ
THCV	7.00E-6	0.015	<LOQ	<LOQ
Total Active CBD			11.720	1.172
Total Active THC			1.260	0.126

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 = 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 UT rule R68-37. Failed - Analyte/microbe is at the level that equal or above the action limit per UT rule R68-37. 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.





Certificate of Analysis
Compliance Test

Client Information:

High Spirits
13611 E 104th Ave #800
Suite 160
Commerce City, CO 80022

Batch # TBD5225
Batch Date: 2025-02-10
Extracted From: Hemp

Test Reg State: Utah

Order # HIG250211-030001
Order Date: 2025-02-11
Sample # AAGJ778

Sampling Date: 2025-02-19
Lab Batch Date: 2025-02-19
Completion Date: 2025-02-25

Initial Gross Weight: 52.560 g
Net Weight: 50.460 g

Number of Units: 1
Net Weight per Unit: 5046.000 mg

PCR Total Yeast and Mold
Specimen Weight: 509.200 mg

Passed
SOP13.017 (qPCR)

Dilution Factor: 8.000

Analyte	Action Level (cfu/g)	LOQ (cfu/g)	Result (cfu/g)
Total Yeast/Mold	100000	1000	<LOQ
Prep. By: 1161	Date: 2025-02-20 10:23:34	Analyzed By: 1161	Date: 2025-02-20 10:23:34
Reviewed By: 1179	Date: 2025-02-20 20:31:38	Lab Batch #: AAGJ778-218	Date: 2025-02-20 20:31:38

Pathogenic SAE (qPCR)
Specimen Weight: 1037.600 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	Absence in 1g	Salmonella	1	Absence in 1g
E.Coli	1	Absence in 1g			

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

Definitions are found on page 1

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.





Certificate of Analysis
Compliance Test

Client Information:

High Spirits
13611 E 104th Ave #800
Suite 160
Commerce City, CO 80022

Batch # TBD5225
Batch Date: 2025-02-10
Extracted From: Hemp

Test Reg State: Utah

Order # HIG250211-030001
Order Date: 2025-02-11
Sample # AAGJ778

Sampling Date: 2025-02-19
Lab Batch Date: 2025-02-19
Completion Date: 2025-02-25

Initial Gross Weight: 52.560 g
Net Weight: 50.460 g

Number of Units: 1
Net Weight per Unit: 5046.000 mg

H Heavy Metals (For UT Clients ONLY)
Specimen Weight: 250.200 mg

Passed
SOP13.048 (ICP-MS)

Dilution Factor: 199.840

Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)	Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)
Arsenic (As)	.014	100	2000	<LOQ	Lead (Pb)	.006	100	1200	<LOQ
Cadmium (Cd)	.002	100	820	<LOQ	Mercury (Hg)	.014	100	400	<LOQ

Mycotoxin - Utah
Specimen Weight: 608.500 mg

Passed
SOP13.007 (LCMS)

Dilution Factor: 2.470

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					

I Residual Solvents (For UT Clients ONLY)
Specimen Weight: 52.000 mg

Passed
SOP13.056, SOP13.039 (GCMS-
(HS), 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)
1,2 Dimethoxyethane	.004	6.4	100	<LOQ	Ethyl Acetate	.0017	6.4	5000	<LOQ
1,4 Dioxane	.0022	8	380	<LOQ	Ethyl Ether	.0004	8	5000	<LOQ
1-Butanol	.0103	6.4	5000	<LOQ	Ethylene glycol	.0013	6.4	620	<LOQ
1-Pentanol	.0103	0.32	5000	<LOQ	Ethylene Oxide		0.32	50	<LOQ
1-Propanol	.003	8	5000	<LOQ	Heptane	.002	8	5000	<LOQ
2,2-dimethylbutane	.0016	12	290	<LOQ	Isopropyl acetate	.0012	8	5000	<LOQ
2,3-dimethylbutane	.0011	26.668	290	<LOQ	Isopropyl alcohol	.111	6.4	5000	<LOQ
2-Butanol	.0002	8	5000	<LOQ	Methanol	.0021	4	3000	<LOQ
2-Butanone		6.4	5000	<LOQ	Methylene chloride	.0006	0.8	600	<LOQ
2-Ethoxyethanol	.0013	4	160	<LOQ	Methylpropane	.0366	2	5000	<LOQ
2-methylbutane	.0108	2	5000	<LOQ	N,N-dimethylacetamide	.0229	6.4	1090	<LOQ
2-Methylpentane	.0108	6.4	290	<LOQ	N,N-dimethylformamide	.005	0.132	880	<LOQ
3-Methylpentane	.0108	2.4	290	<LOQ	n-Hexane		0.8	290	<LOQ
Acetone	.0009	12	5000	<LOQ	Pentane	.0167	12	5000	<LOQ
Acetonitrile	.0011	0.96	410	<LOQ	Propane	.0849	26.668	5000	<LOQ
Benzene	.0003	0.016	2	<LOQ	Pyridine	.0014	6.4	100	<LOQ
Butane	.0028	13.32	5000	<LOQ	Sulfolane	.0518	6.4	160	<LOQ
Cumene	.0002	0.032	70	<LOQ	Tetrahydrofuran	.0006	6.4	720	<LOQ
Cyclohexane	.0024	0.032	3880	<LOQ	Toluene	.0003	2.4	890	<LOQ
Dimethyl sulfoxide	.001	6.4	5000	<LOQ	Total Xylenes	.0002	7.2	1000	<LOQ
Ethanol	.0044	16	5000	48.785					

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

Definitions are found on page 1

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.





Certificate of Analysis
Compliance Test

Client Information:

High Spirits
13611 E 104th Ave #800
Suite 160
Commerce City, CO 80022

Batch # TBD5225
Batch Date: 2025-02-10
Extracted From: Hemp

Test Reg State: Utah

Order # HIG250211-030001
Order Date: 2025-02-11
Sample # AAGJ778

Sampling Date: 2025-02-19
Lab Batch Date: 2025-02-19
Completion Date: 2025-02-25

Initial Gross Weight: 52.560 g
Net Weight: 50.460 g

Number of Units: 1
Net Weight per Unit: 5046.000 mg

Pesticides (UT Levels)
Specimen Weight: 608.500 mg

Passed
SOP13.007 (LCMS)

Dilution Factor: 2.470

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	500	<LOQ	Imazalil	2.4800E-1	30	200	<LOQ
Acephate	2.3000E-2	30	400	<LOQ	Imidacloprid	9.4000E-2	30	400	<LOQ
Acequinocyl	9.5640E+0	48	2000	<LOQ	Kresoxim Methyl	4.2000E-2	30	400	<LOQ
Acetamiprid	5.2000E-2	30	200	<LOQ	Malathion	2.2300E-1	9.6	200	<LOQ
Aldicarb	2.6000E-2	30	400	<LOQ	Metaxalyl	8.1000E-2	10	200	<LOQ
Azoxystrobin	8.1000E-2	10	200	<LOQ	Methiocarb	2.2000E-2	30	200	<LOQ
Bifenazate	1.4150E+0	30	200	<LOQ	Methomyl	2.2000E-2	30	400	<LOQ
Bifenthrin	4.3000E-2	30	200	<LOQ	methyl-Parathion	2.3900E+0	9.6	200	<LOQ
Boscalid	5.5000E-2	30	400	<LOQ	MGK-264	5.8500E-1	48	200	<LOQ
Carbaryl	2.2000E-2	10	200	<LOQ	Myclobutanil	1.0290E+0	30	200	<LOQ
Carbofuran	3.4000E-2	30	200	<LOQ	Naled	9.5000E-2	30	500	<LOQ
Chlorantraniliprole	3.3000E-2	30	200	<LOQ	Oxamyl	2.5000E-2	30	1000	<LOQ
Chlorfenapyr	8.0000E-2	48	1000	<LOQ	Pacllobutrazol	6.5000E-2	30	400	<LOQ
Chlorpyrifos	3.5000E-2	30	200	<LOQ	Permethrins	3.4300E-1	30	200	<LOQ
Clofentezine	1.1900E-1	30	200	<LOQ	Phosmet	8.2000E-2	30	200	<LOQ
Cyfluthrin	3.1100E+0	30	1000	<LOQ	Piperonylbutoxide	2.9000E-2	30	2000	<LOQ
Cypermethrin	1.4490E+0	30	1000	<LOQ	Prallethrin	7.9800E-1	30	200	<LOQ
Daminozide	8.8500E-1	30	1000	<LOQ	Propiconazole	7.0000E-2	30	400	<LOQ
Diazinon	4.4000E-2	30	200	<LOQ	Propoxur	1.0000E-1	30	200	<LOQ
Dichlorvos	2.1820E+0	30	100	<LOQ	Pyrethrins	2.3593E+1	30	1000	<LOQ
Dimethoate	2.1000E-2	30	200	<LOQ	Pyridaben	3.2000E-2	30	200	<LOQ
Ethoprophos	3.6000E-1	30	200	<LOQ	Spinosad	8.8000E-2	30	200	<LOQ
Etofenprox	1.1600E-1	30	400	<LOQ	Spiromesifen	2.6100E-1	30	200	<LOQ
Etoxazole	1.1600E-1	30	200	<LOQ	Spirotetramat	8.9000E-2	30	200	<LOQ
Fenoxycarb	1.0700E-1	30	200	<LOQ	Spiroxamine	1.3100E-1	30	400	<LOQ
Fenpyroximate	1.3800E-1	30	400	<LOQ	Tebuconazole	6.7000E-2	30	400	<LOQ
Fipronil	1.0700E-1	30	400	<LOQ	Thiacloprid	6.4000E-2	30	200	<LOQ
Flonicamid	5.1700E-1	30	1000	<LOQ	Thiamethoxam	5.0000E-2	30	200	<LOQ
Fludioxonil	1.7400E+0	30	400	<LOQ	Trifloxystrobin	3.7000E-2	30	200	<LOQ
Hexythiazox	4.9000E-2	30	1000	<LOQ					

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

Definitions are found on page 1

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.

