ACS LABORATORY | BEYOND COMPLIANCE
721 Cortaro Dr.
Sun City Center, FL 33573
www.acslab.com
DEA No. RA0571996
FL License # CMTL-0003
CLIA No. 10D1094068

5mg 10:1 D9 THC Blueberry Lemon
Sample Matrix:
CBD/HEMP
Edibles
(Ingestion)

Certificate of Analysis

Compliance Test

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

Batch # BLD5225
Batch Date: 2025-02-10
Extracted From: Hemp

Test Reg State: Utah

Order # HIG250211-030001
Order Date: 2025-02-11
Sample # AAGJ780

Sampling Date: 2025-02-19
Lab Batch Date: 2025-02-19
Completion Date: 2025-02-27

Initial Gross Weight: 52.237 g
Net Weight: 50.137 g

Number of Units: 1
Net Weight per Unit: 5013.700 mg



Product Image

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

Potency 10

Specimen Weight: 1528.400 mg

Tested
SOP13.001 (LCUV)

Pieces For Panel: 10

Analyte	LOD (mg/g)	LOQ (%)	Result (mg/g)	(%)
CBD	5.40E-5	0.015	13.230	1.323
Delta-9 THC	1.30E-5	0.015	1.170	0.117
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			13.230	1.323
Total Active THC			1.170	0.117

Potency Summary

Total Active THC 0.117%	5.866 mg
Total Active CBD 1.323%	66.331 mg
Total CBG -	None Detected
Total CBN -	None Detected
Total Cannabinoids 1.440%	72.197 mg

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

ACCREDITED CERT #6786.01

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 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.

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QA By: 1050 on 2025-02-27 13:52:57 V1

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Completion Date: 2025-02-27

Initial Gross Weight: 52.237 g
Net Weight: 50.137 g

Number of Units: 1
Net Weight per Unit: 5013.700 mg

PCR Total Yeast and Mold

Passed

Specimen Weight: 484.800 mg

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 20:31:39 **Lab Batch #:** AAGJ780-218 **Date:** 2025-02-20 20:31:39

Pathogenic SAE (qPCR)

Passed

Specimen Weight: 1030.300 mg

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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5mg 10:1 D9 THC Blueberry Lemon
Sample Matrix: CBD/HEMP Edibles (Ingestion)

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Completion Date: 2025-02-27

Initial Gross Weight: 52.237 g
Net Weight: 50.137 g

Number of Units: 1
Net Weight per Unit: 5013.700 mg

Heavy Metals (For UT Clients ONLY)

Passed

Specimen Weight: 248.800 mg

SOP13.048 (ICP-MS)

Dilution Factor: 200.965

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

Passed

Specimen Weight: 597.100 mg

SOP13.007 (LCMS)

Dilution Factor: 2.510

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					

Residual Solvents (For UT Clients ONLY)

Passed

Specimen Weight: 51.700 mg

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	17.315
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	115.488					

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Pesticides (UT Levels)

Specimen Weight: 597.100 mg

Passed
SOP13.007 (LCMS)

Dilution Factor: 2.510

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	Metalaxyl	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	Paclobutrazol	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					

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