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

Mai High Tai Draft Batch #893 #
Sample Matrix: CBD/HEMP Beverages/Liquid/Water (Ingestion)

Certificate of Analysis

Compliance Test

Client Information:

Spindletap Brewery
10622 Hirsch Rd.
Houston, Texas 77016

Batch # 893
Batch Date: 2026-04-09
Extracted From: Hemp

Test Reg State: Texas

Production Facility: Spindle Tap Brewery
Production Date: 2026-04-09

Order # SPI260409-010001
Order Date: 2026-04-09
Sample # AAHP358

Sampling Date: 2026-04-13
Lab Batch Date: 2026-04-13
Completion Date: 2026-04-22

Volume: 355 ml

Product Image

Staphylococcus Aureus	Campylobacter	Potency	Microbiology- Yersinia spp	Pesticides
Passed	Tested	Tested	Tested	Passed

Heavy Metals	Residual Solvents	Pathogenic Microbiology	Listeria Monocytogenes	Microbiology Petrifilm
Passed	Passed	Passed	Passed	Passed

Delta 8/Delta 10 Potency 13 - (LCUV)

Tested

Specimen Weight: 20000.000 mg

SOP13.030 (LCMS)

Analyte	LOD (mg/g)	LOQ (%)	Result (µg/ml)	(%)
Delta-9 THC	1.30E-5	0.0015	14.370	0.001437
CBC	1.80E-5	0.0015	<LOQ	<LOQ
CBD	5.40E-5	0.0015	<LOQ	<LOQ
CBDA	1.00E-5	0.0015	<LOQ	<LOQ
CBDV	6.50E-5	0.0015	<LOQ	<LOQ
CBG	2.48E-4	0.0015	<LOQ	<LOQ
CBGA	8.00E-5	0.0015	<LOQ	<LOQ
CBN	1.40E-5	0.0015	<LOQ	<LOQ
Delta-10 THC	3.00E-6	0.0015	<LOQ	<LOQ
Delta-8 THC	2.60E-5	0.0015	<LOQ	<LOQ
Delta6a10a-THC	8.47E-5	0.0015	<LOQ	<LOQ
THCA-A	3.20E-5	0.0015	<LOQ	<LOQ
THCV	7.00E-6	0.0015	<LOQ	<LOQ
Total Active CBD			<LOQ	<LOQ
Total Active THC			14.4	0.001437

Potency Summary

Total Delta 8 - ND	**Total Delta 10** - ND
Delta 9 THC 0.001437% 5.101mg	**Total Active CBD** - ND
Total CBG - ND	**Total CBN** - ND
Total Cannabinoids 0.001437% 5.101mg	**Total Active THC** 0.001437% 5.101mg

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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, The results apply to the sample as received. , * Measurement of Uncertainty for all test panels ≤15%

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Sample # AAHP358

Sampling Date: 2026-04-13
Lab Batch Date: 2026-04-13
Completion Date: 2026-04-22

Volume: 355 ml

Staphylococcus Aureus

Specimen Weight: 265.300 mg

Passed
SOP13.029 (qPCR)

Dilution Factor: 1.000

Analyte	Result (cfu/g)
Staphylococcus aureus	Absence

Campylobacter Multi State *

Specimen Weight: 1017.100 mg

Tested
SOP MIC-012 (Immunochromatographic)

Dilution Factor: 1.000

Analyte	Result (cfu/g)
Campylobacter spp	<LOQ

Listeria Monocytogenes

Specimen Weight: 995.800 mg

Passed
SOP13.032 (qPCR)

Dilution Factor: 1.000

Analyte
Listeria Monocytogenes

Microbiology- Yersinia spp. Multi State *

Specimen Weight: 518.100 mg

Tested
SOP MIC-013 (Plating/PCR)

Dilution Factor: 1.000

Analyte	Result (cfu/g)	Analyte	Result (cfu/g)
Yersinia enterocolitica	Absence	Yersinia pseudotuberculosis	Absence

Microbiology Plating Multi State

Specimen Weight: 1009.000 mg

Passed
SOP13.003 (Petrifilm)

Dilution Factor: 1.000

Analyte	LOQ (cfu/g)	Action Level (cfu/g)	Result (cfu/g)	Analyte	LOQ (cfu/g)	Action Level (cfu/g)	Result (cfu/g)
Total Aerobic Count	1000	100000	4000	Total Yeast/Mold	1000	100000	<1000

Pathogenic Microbiology SAE (MicroArray) Multi State

Specimen Weight: 1030.200 mg

Passed
SOP13.019 (Micro Array)

Dilution Factor: 1.000

Analyte	Action Level (cfu/g)	Result (cfu/g)	Analyte	Action Level (cfu/g)	Result (cfu/g)
E. Coli	1	Absence in 1g	STX1 Gene	1	Absence in 1g
Salmonella	1	Absence in 1g	STX2 Gene	1	Absence in 1g
Shiga toxin-producing E. coli (STEC)	1	Absence in 1g			

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Lab Batch Date: 2026-04-13
Completion Date: 2026-04-22

Volume: 355 ml

Heavy Metals Multi State - Ingestion

Passed

Specimen Weight: 251.600 mg

SOP13.048 (ICP-MS)

Dilution Factor: 198.728

Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)	Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)
Arsenic (As)	0.013	100	200	<LOQ	Lead (Pb)	0.007	100	500	263
Cadmium (Cd)	0.003	100	200	<LOQ	Mercury (Hg)	0.016	100	200	<LOQ

Residual Solvents Multi State - Ingestion

Passed

Specimen Weight: 15.900 mg

SOP13.039 (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)
1,1-Dichloroethene	0.009	1.6	2	<LOQ	Heptane	0.001	13.9	500	<LOQ
1,2-Dichloroethane	0.000	0.5	2	<LOQ	Hexane	0.068	11.7	10	<LOQ
Acetone	0.015	20.8	500	<LOQ	Isopropyl alcohol	0.005	13.9	500	<LOQ
Acetonitrile	0.060	11.7	50	<LOQ	Methanol	0.001	6.9	250	<LOQ
Benzene	0.000	0.2	1	<LOQ	Methylene chloride	0.003	24.3	1	<LOQ
Butane	0.417	25	800	<LOQ	Pentane	0.037	20.8	500	<LOQ
Chloroform	0.000	0.4	1	<LOQ	Propane	0.031	58.3	500	<LOQ
Ethanol	0.002	27.8	2500	114	Toluene	0.001	29.2	1	<LOQ
Ethyl Acetate	0.001	11.1	400	<LOQ	Total Xylenes	0.000	29.2	3	<LOQ
Ethyl Ether	0.005	13.9	500	<LOQ	Trichloroethylene	0.001	4.9	1	<LOQ
Ethylene Oxide	0.004	1	1	<LOQ					

Pesticides Multi State - Ingestion

Passed

Specimen Weight: 604.500 mg

SOP13.007 (LCMS/GCMS)

Dilution Factor: 2.480

Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)	Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)
Acetamiprid	0.14	24.8	3000	<LOQ	Flonicamid	0.466	24.8	2000	<LOQ
Aldicarb	0.203	24.8	100	<LOQ	Imidacloprid	0.402	24.8	3000	<LOQ
Azoxystrobin	0.188	24.8	3000	<LOQ	Metalaxyl	0.27	24.8	3000	<LOQ
Bifenazate	0.086	24.8	3000	<LOQ	Methiocarb	0.118	24.8	100	<LOQ
Boscalid	0.595	24.8	3000	<LOQ	Methomyl	0.064	24.8	100	<LOQ
Carbaryl	0.122	24.8	500	<LOQ	methyl-Parathion	0.820	24.8	100	<LOQ
Carbofuran	0.086	24.8	100	<LOQ	Myclobutanil	0.573	24.8	3000	<LOQ
Chlorantraniliprole	0.084	24.8	3000	<LOQ	Oxamyl	0.041	24.8	500	<LOQ
Chlorpyrifos	0.109	24.8	100	<LOQ	Permethrins	0.624	24.8	1000	<LOQ
Cypermethrin	0.985	24.8	1000	<LOQ	Pyridaben	0.14	24.8	3000	<LOQ
Diazinon	0.212	24.8	200	<LOQ	Spiroxamine	0.533	24.8	100	<LOQ
Dichlorvos	1.13	24.8	100	<LOQ	Tebuconazole	0.23	24.8	1000	<LOQ
Ethoprophos	0.151	24.8	100	<LOQ	Thiacloprid	0.17	24.8	100	<LOQ
Etofenprox	0.172	24.8	100	<LOQ	Thiamethoxam	0.179	24.8	1000	<LOQ
Fipronil	0.317	24.8	100	<LOQ					

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