



**Certificate of Analysis**  
Compliance Test

<b>Client Information:</b> High Spirits 13611 E 104th Ave #800 Suite 160 Commerce City, CO 80022	<b>Manufacturing Facility:</b> Sleeping Giant Brewing Company LLC 2500 W 5th Ave Denver, CO 80204-4803	<b>Batch Data:</b> Batch # 050ITL002 Batch Date: 2025-11-06 Extracted From: Hemp	<b>Order Details:</b> Test Reg State: Georgia
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<b>Order #</b> HIG251110-030001 <b>Order Date:</b> 2025-11-10 <b>Sample #</b> AAHF136	<b>Sampling Date:</b> 2025-11-13 <b>Lab Batch Date:</b> 2025-11-13 <b>Orig. Completion Date:</b> 2025-11-19	<b>Volume:</b> 355 ml	<b>Net Weight per Serving:</b> 355 ml <b>Servings Per Package:</b> 1
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Statement of Amendment: Updated Potency; HF728



**Potency Tested**

**HHCP Tested**

**Pathogenic Microbiology Tested**

**Heavy Metals Passed**

**Mycotoxins Passed**

**Pesticides Passed**

**Residual Solvents Passed**

**Microbiology Passed**

**Filth and Foreign Passed**

**Potency Summary**

<b>Total HHC</b>	<b>&lt;LOQ</b>	<b>Delta 9 THC</b>	<b>0.0175%</b>
per Serving	0.00 mg	per Serving	62.1 mg
per Package	0.00 mg	per Package	62.1 mg
<b>Total Active CBD</b>	<b>0.000154%</b>	<b>Total CBG</b>	<b>0.000578%</b>
per Serving	0.547 mg	per Serving	2.05 mg
per Package	0.547 mg	per Package	2.05 mg
<b>Total CBN</b>	<b>0.000381%</b>	<b>Total Cannabinoids</b>	<b>0.0886%</b>
per Serving	1.35 mg	per Serving	315 mg
per Package	1.35 mg	per Package	315 mg
<b>Total Active THC</b>	<b>0.0175%</b>		
per Serving	62.1 mg		
per Package	62.1 mg		

\* Summary Results determined from two distinct Potency Tests - Potency (GA) LCUV + 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, (ppm) = (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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13611 E 104th Ave #800  
Suite 160  
Commerce City, CO 80022

**Manufacturing Facility:**

Sleeping Giant Brewing Company LLC  
2500 W 5th Ave  
Denver, CO 80204-4803

**Batch Data:**

Batch # 050ITL002  
Batch Date: 2025-11-06  
Extracted From: Hemp

**Order Details:**

Test Reg State: Georgia

**Order #**

HIG251110-030001  
Order Date: 2025-11-10  
Sample # AAHF136

**Sampling Date:** 2025-11-13

Lab Batch Date: 2025-11-13  
Orig. Completion Date: 2025-11-19

Volume: 355 ml

**Net Weight per Serving:**

355 ml  
Servings Per Package:  
1

**Potency (GA) LCUV + Potency 25 (LCUV) Tested SOP13.030 (LCMS)**  
Specimen Weight: 20000.000 mg

Analyte	Dilution (1:n)	LOD (mg/g)	LOQ (%)	Result (µg/ml)	(%)	Per Serving (mg)	Per Package (mg)
CBC	8.000	2.760000E-5	0.075	0.0699	0.0699	0.0248	0.0248
Delta-9 THC	40.000	1.300000E-5	0.0015	175	0.0175	62.1	62.1
CBG	8.000	2.480000E-4	0.0015	5.78	0.000578	2.05	2.05
CBN	8.000	1.400000E-5	0.0015	3.81	0.000381	1.35	1.35
CBD	8.000	5.400000E-5	0.0015	1.54	0.000154	0.546	0.546
THCV	8.000	7.000000E-6	0.0015	1.08	0.000108	0.383	0.383
CBDA	8.000	1.000000E-5	0.0015	<LOQ	<LOQ	0.00	0.00
CBGA	8.000	8.000000E-5	0.0015	<LOQ	<LOQ	0.00	0.00
Delta-10 THC	8.000	3.000E-6	0.015	<LOQ	<LOQ	0.00	0.00
Delta-8 THC	8.000	2.600000E-5	0.0015	<LOQ	<LOQ	0.00	0.00
Delta-9 THC-O Acetate	8.000	7.700000E-5	0.003	<LOQ	<LOQ	0.00	0.00
Exo-THC	8.000	2.300000E-4	0.0015	<LOQ	<LOQ	0.00	0.00
THCA-A	8.000	3.200000E-5	0.0015	<LOQ	<LOQ	0.00	0.00
CBCA	8.000	1.070000E-4	0.0015	<LOQ	<LOQ	0.00	0.00
CBDV	8.000	6.500000E-5	0.0015	<LOQ	<LOQ	0.00	0.00
CBDVA	8.000	1.400000E-5	0.0015	<LOQ	<LOQ	0.00	0.00
CBL	8.000	3.500000E-5	0.0015	<LOQ	<LOQ	0.00	0.00
CBNA	8.000	9.500000E-5	0.0015	<LOQ	<LOQ	0.00	0.00
CBT	8.000	2.000000E-4	0.0015	<LOQ	<LOQ	0.00	0.00
Delta-8 THC-O Acetate	8.000	2.700000E-5	0.003	<LOQ	<LOQ	0.00	0.00
Delta-8 THCV	8.000	4.000000E-5	0.0015	<LOQ	<LOQ	0.00	0.00
Delta8-THCP	8.000	3.750000E-4	0.0015	<LOQ	<LOQ	0.00	0.00
Delta9-THCP	8.000	1.170000E-5	0.0012	<LOQ	<LOQ	0.00	0.00
THCB	8.000	1.800000E-4	0.00195	<LOQ	<LOQ	0.00	0.00
THCH	8.000	3.500000E-4	0.00195	<LOQ	<LOQ	0.00	0.00
THCVA	8.000	4.700000E-5	0.0015	<LOQ	<LOQ	0.00	0.00
Total Active THC	8.000			175	0.0175	62.1	62.1
Total Active CBD	8.000			2.00	0.000154	0.710	0.710

*Aixia Sun*  
Aixia Sun Lab Director/Principal Scientist  
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Definitions are found on page 1

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<b>Order #</b> HIG251110-030001 <b>Order Date:</b> 2025-11-10 <b>Sample #</b> AAHF136	<b>Sampling Date:</b> 2025-11-13 <b>Lab Batch Date:</b> 2025-11-13 <b>Orig. Completion Date:</b> 2025-11-19	<b>Volume:</b> 355 ml	<b>Net Weight per Serving:</b> 355 ml <b>Servings Per Package:</b> 1
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<b>Pathogenic Microbiology AE Microarray – GA</b> Specimen Weight: 1026.600 mg	<b>Tested</b> SOP13.019 (Micro Array)		
Dilution Factor: 1.000			
Analyte	Result (cfu/g)	Analyte	Result (cfu/g)
Aspergillus (Flavus, Fumigatus, Niger, Terreus)	Passed	Shiga toxin-producing E. coli (STEC)	Passed

<b>Microbiology AC TYM BTGN plating - (GA)</b> Specimen Weight: 990.300 mg	<b>Passed</b> 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)
Bile tolerant gram-negative bacteria	100	1000	<100	Total Yeast/Mold	1000	10000	<1000
Total Aerobic Count	1000	100000	<1000				

<b>Filth and Foreign Material - (GA)</b> Specimen Weight: N/A Dilution Factor: 1.000	<b>Passed</b> SOP13.020 (Electronic Balance)				
Analyte	Action Level (%)	Result (%)	Analyte	Action Level (%)	Result (%)
Covered Area	10	0.00	Weight %	1	0.00
Feces	0.5	0.00			

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Batch Date: 2025-11-06  
Extracted From: Hemp

**Order Details:**

Test Reg State: Georgia

**Order #**

HIG251110-030001  
Order Date: 2025-11-10  
Sample # AAHF136

**Sampling Date:** 2025-11-13

Lab Batch Date: 2025-11-13  
Orig. Completion Date: 2025-11-19

Volume: 355 ml

**Net Weight per Serving:**

355 ml  
Servings Per Package:  
1

**H Heavy Metals - (GA) (Edible)**

Specimen Weight: 246.700 mg

**Passed**

SOP13.048 (ICP-MS)

Dilution Factor: 202.675

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	500	<LOQ	Lead (Pb)	0.007	100	500	<LOQ
Cadmium (Cd)	0.003	100	500	<LOQ	Mercury (Hg)	0.016	100	500	<LOQ

**I Residual Solvents (GA-4)**

Specimen Weight: 17.700 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	0.417	53.6	800000	<LOQ	Heptane	0.001	29.8	500000	<LOQ
Ethanol	0.002	59.5	5000000	134000	Hexane	0.068	25	100000	<LOQ

**J Mycotoxins - (GA)**

Specimen Weight: 591.900 mg

**Passed**

SOP13.007 (LCMS/GCMS)

Dilution Factor: 2.530

Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)	Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)
Aflatoxin B1	0.304	1.9	20	<LOQ	Aflatoxin G2	0.271	1.9	20	<LOQ
Aflatoxin B2	0.077	1.9	20	<LOQ	Ochratoxin A	0.754	3.8	20	<LOQ
Aflatoxin G1	0.304	1.9	20	<LOQ					

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HHCP		Specimen Weight: 20000.000 mg		Dilution Factor: 40.000		Tested SOP13.050 (LCMS)			
Analyte	LOD (%)	LOQ (%)	Result (µg/ml)	(%) Analyte	LOD (%)	LOQ (%)	Result (µg/ml)	(%)	
(9R)-HHC	0.000	0.075	<LOQ	<LOQ 9(S)-HHCP	0.000	0.075	<LOQ	<LOQ	
(9S)-HHC	0.000	0.075	<LOQ	<LOQ CBC	0.000	0.075	<LOQ	<LOQ	
(±)-9β-hydroxy-HHC	0.000	0.075	<LOQ	<LOQ Delta-8 THC methyl ether	0.000	0.075	<LOQ	<LOQ	
1(R)-H4-CBD	0.000	0.15	<LOQ	<LOQ Delta-9 THC methyl ether	0.000	0.075	<LOQ	<LOQ	
1(S)-H4-CBD	0.000	0.15	<LOQ	<LOQ H2-CBD	0.000	0.075	<LOQ	<LOQ	
9(R)-HHCP	0.000	0.075	<LOQ	<LOQ Total HHC		0.075	<LOQ	<LOQ	

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**Pesticides - (GA)**  
Specimen Weight: 591.900 mg

**Passed**  
SOP13.007 (LCMS/GCMS)

Dilution Factor: 2.530

Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)	Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)
Abamectin	0.399	9	100	<LOQ	Fludioxonil	0.360	9.6	100	<LOQ
Acephate	0.141	9.6	100	<LOQ	Hexythiazox	0.113	9.6	100	<LOQ
Acequinocyl	2.178	9.6	100	<LOQ	Imazalil	0.258	9.6	100	<LOQ
Acetamiprid	0.140	9.6	100	<LOQ	Imidacloprid	0.402	9.6	100	<LOQ
Aldicarb	0.203	9.6	100	<LOQ	Kresoxim Methyl	0.182	9.6	100	<LOQ
Azoxystrobin	0.188	9.6	100	<LOQ	Malathion	0.223	9.6	100	<LOQ
Bifenazate	0.086	9.6	100	<LOQ	Metaxalyl	0.270	9.6	100	<LOQ
Bifenthrin	0.100	9.6	100	<LOQ	Methiocarb	0.118	9.6	100	<LOQ
Boscalid	0.595	9.6	100	<LOQ	Methomyl	0.064	9.6	100	<LOQ
Carbaryl	0.122	9.6	100	<LOQ	Mevinphos	0.093	9.6	100	<LOQ
Carbofuran	0.086	9.6	100	<LOQ	Myclobutanil	0.573	9.6	100	<LOQ
Chlorantraniliprole	0.084	9.6	100	<LOQ	Oxamyl	0.041	9.6	100	<LOQ
Chlordane	1.900	9.6	100	<LOQ	Paclobutrazol	0.186	9.6	100	<LOQ
Chlorpyrifos	0.109	9.6	100	<LOQ	Permethrin	0.624	9.6	100	<LOQ
Coumaphos	0.206	9.6	100	<LOQ	Phosmet	0.127	9.6	100	<LOQ
Cyfluthrin	0.980	9.6	100	<LOQ	Piperonylbutoxide	0.149	9.6	100	<LOQ
Cypermethrin	0.985	9.6	100	<LOQ	Prallethrin	1.476	9.6	100	<LOQ
Daminozide	1.655	9.6	100	<LOQ	Propiconazole	0.294	9.6	100	<LOQ
Diazinon	0.212	9.6	100	<LOQ	Propoxur	0.100	9.6	100	<LOQ
Dichlorvos	1.130	9.6	100	<LOQ	Pyridaben	0.140	9.6	100	<LOQ
Dimethoate	0.063	9.6	100	<LOQ	Spinetoram	0.424	9.6	100	<LOQ
Dimethomorph	2.581	9.6	100	<LOQ	Spiromesifen	0.120	9.6	100	<LOQ
Ethoprophos	0.151	9.6	100	<LOQ	Spirotetramat	0.211	9.6	100	<LOQ
Etofenprox	0.172	9.6	100	<LOQ	Spiroxamine	0.533	9.6	100	<LOQ
Etoxazole	0.866	9.6	100	<LOQ	Tebuconazole	0.230	9.6	100	<LOQ
Fenhexamid	0.588	9.6	100	<LOQ	Thiacloprid	0.170	9.6	100	<LOQ
Fenoxycarb	0.274	9.6	100	<LOQ	Thiamethoxam	0.179	9.6	100	<LOQ
Fipronil	0.317	9.6	100	<LOQ	Trifloxystrobin	0.134	9.6	100	<LOQ
Fonicamid	0.466	9.6	100	<LOQ					

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