



Certificate of Analysis

Compliance Test

Client Information:
TERP NATION LLC
2500 S PARK ROAD
BAY#1
PEMBROKE PARK, FL
33009

Batch Data:
Batch # S061125MH
Batch Date: 2025-08-21
Extracted From: HEMP

Order Details:
Test Reg State: Florida
Food Permit #: 420113

Order #
TER250821-060001
Order Date: 2025-08-21
Sample # AAHA555

Sampling Date: 2025-08-26
Lab Batch Date: 2025-08-26
Orig. Completion Date: 2025-09-02

Initial Gross Weight: 25.600 g

Net Weight per Package:
2000.000 mg
Sampling Method:
MSP 7.3.1

Net Weight per Serving:
2000 mg
Servings Per Package:
1

Statement of Amendment: Report format; Updated Pathogenic SAE (qPCR) FL



Product Image

Potency
Tested

Terpenes
Tested

Heavy Metals
Passed

2,3-Butanedione
Passed

Mycotoxins
Passed

Pesticides
Passed

Residual Solvents
Passed

Water Activity
Tested

Pathogenic
Passed

Microbiology (qPCR)
Passed

Vitamin E
Passed

Potency Summary

Delta 9 THC	<LOQ	Total Active CBD	0.100%
per Serving	0.00 mg	per Serving	2.00 mg
per Package	0.00 mg	per Package	2.00 mg
Total CBG	8.79%	Total CBN	0.358%
per Serving	176 mg	per Serving	7.17 mg
per Package	176 mg	per Package	7.17 mg
Total Cannabinoids	24.5%	Total Active THC	0.0342%
per Serving	489 mg	per Serving	0.684 mg
per Package	489 mg	per Package	0.684 mg
Total DELTA9-THCP	6.26%		
per Serving	125 mg		
per Package	125 mg		

Terpenes Summary

Analyte	Result (mg/g)	(%)
trans-Caryophyllene	3.276	0.328%
alpha-Bisabolol	1.266	0.127%
Linalool	1.248	0.125%
Guaiol	0.766	0.077%
Caryophyllene oxide	0.638	0.064%
trans-Nerolidol	0.439	0.044%
alpha-Humulene	0.43	0.043%
Fenchyl Alcohol	0.39	0.039%
Total Terpeneol	0.232	0.023%

Total Terpenes: 0.870%

Detailed Terpenes Analysis is on the following page

Aixa 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, (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 FL rule 64ER20-39, 5K-4.036, 5K-4.034. Failed - Analyte/microbe is at the level that equal or above the action limit per FL rule 64ER20-39, 5K-4.036, 5K-4.034. The results apply to the sample as received. Revised report- see statement of amendment above.

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2000.000 mg
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MSP 7.3.1

Net Weight per Serving:

2000 mg
Servings Per Package:
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Potency 25 (LCUV)

Specimen Weight: 1668.350 mg

Tested

SOP13.001 (LCUV)

Pieces For Panel: 1

Analyte	Dilution (1:n)	LOD (mg/g)	LOQ (%)	Result (mg/g)	(%)	Per Serving (mg)	Per Package (mg)
CBGA	15.000	8.000000E-5	0.0125	91.9	9.19	184	184
Delta-8 THC	15.000	2.600000E-5	0.0125	64.5	6.45	129	129
Delta-9-THCP	15.000	1.170000E-5	0.01	62.6	6.26	125	125
CBG	15.000	2.480000E-4	0.0125	7.16	0.716	14.3	14.3
CBCA	15.000	1.070000E-4	0.0125	4.79	0.479	9.58	9.58
Delta-8-THCP	15.000	3.750000E-4	0.0125	3.51	0.351	7.02	7.02
CBNA	15.000	9.500000E-5	0.0125	3.20	0.320	6.40	6.40
CBC	15.000	1.800000E-5	0.0125	2.57	0.257	5.14	5.14
Delta-8 THCV	15.000	4.000000E-5	0.0125	1.25	0.125	2.50	2.50
CBN	15.000	1.400000E-5	0.0125	0.780	0.0780	1.56	1.56
CBT	15.000	2.000000E-4	0.0125	0.630	0.0630	1.26	1.26
CBDA	15.000	1.000000E-5	0.0125	0.580	0.0580	1.16	1.16
CBD	15.000	5.400000E-5	0.0125	0.490	0.0490	0.980	0.980
THCA-A	15.000	3.200000E-5	0.0125	0.390	0.0390	0.780	0.780
THCV	15.000	7.000000E-6	0.0125	0.270	0.0270	0.540	0.540
CBDV	15.000	6.500000E-5	0.0125	<LOQ	<LOQ	0.00	0.00
CBDVA	15.000	1.400000E-5	0.0125	<LOQ	<LOQ	0.00	0.00
CBL	15.000	3.500000E-5	0.0125	<LOQ	<LOQ	0.00	0.00
Delta-8 THC-O Acetate	15.000	2.700000E-5	0.025	<LOQ	<LOQ	0.00	0.00
Delta-9 THC	15.000	1.300000E-5	0.0125	<LOQ	<LOQ	0.00	0.00
Delta-9 THC-O Acetate	15.000	7.700000E-5	0.025	<LOQ	<LOQ	0.00	0.00
Exo-THC	15.000	2.300000E-4	0.0125	<LOQ	<LOQ	0.00	0.00
THCB	15.000	1.800000E-4	0.0163	<LOQ	<LOQ	0.00	0.00
THCH	15.000	3.500000E-4	0.0163	<LOQ	<LOQ	0.00	0.00
THCVA	15.000	4.700000E-5	0.0125	<LOQ	<LOQ	0.00	0.00
Total Active THC	15.000			0.342	0.0342	0.684	0.684
Total Active CBD	15.000			0.999	0.0999	2.00	2.00

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



Definitions are found on page 1

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Net Weight per Package:
2000.000 mg
Sampling Method:
MSP 7.3.1

Net Weight per Serving:
2000 mg
Servings Per Package:
1

Terpenes				Tested			
Specimen Weight: 207.340 mg				SOP13.045 (GC-MS/GC (Liquid Injection))			
Dilution Factor: 30.000							
Analyte	LOQ (%)	Result (mg/g)	(%)	Analyte	LOQ (%)	Result (mg/g)	(%)
trans-Caryophyllene	0.002	3.28	0.328	Camphene	0.002	<LOQ	
alpha-Bisabolol	0.002	1.27	0.127	Camphors	0.006	<LOQ	
Linalool	0.002	1.25	0.125	cis-Nerolidol	0.002	<LOQ	
Guaiol	0.002	0.766	0.077	Eucalyptol	0.002	<LOQ	
Caryophyllene oxide	0.002	0.638	0.064	Farnesene	0.002	<LOQ	
trans-Nerolidol	0.002	0.439	0.044	Fenchone	0.002	<LOQ	
alpha-Humulene	0.002	0.430	0.043	Gamma-Terpinene	0.002	<LOQ	
Fenchyl Alcohol	0.002	0.390	0.039	Geraniol	0.002	<LOQ	
Total Terpineol	0.00126	0.232	0.023	Geranyl acetate	0.002	<LOQ	
(+)-Cedrol	0.002	<LOQ		Hexahydrothymol	0.002	<LOQ	
(R)-(+)-Limonene	0.002	<LOQ		Isoborneol	0.002	<LOQ	
3-Carene	0.002	<LOQ		Isopulegol	0.002	<LOQ	
alpha-Cedrene	0.002	<LOQ		Nerol	0.002	<LOQ	
alpha-Phellandrene	0.002	<LOQ		Ocimene	0.00033	<LOQ	
alpha-Pinene	0.002	<LOQ		Pulegone	0.002	<LOQ	
alpha-Terpinene	0.002	<LOQ		Sabinene	0.002	<LOQ	
beta-Myrcene	0.002	<LOQ		Sabinene Hydrate	0.002	<LOQ	
beta-Pinene	0.002	<LOQ		Terpinolene	0.002	<LOQ	
Borneol	0.004	<LOQ		Valencene	0.002	<LOQ	

2,3-butanedione(Diacetyl) Florida				Passed	
Specimen Weight: 17.100 mg				SOP13.039 (GCMS-HS)	
Dilution Factor: 1.000					
Analyte	LOD (ppm)	LOQ (ppm)	Result (ppm)		
2,3-Butanedione	0.000	0.2	<LOQ		

Water Activity Florida			Tested	
Specimen Weight: 0.500 g			SOP13.016 (Water Activity Analyzer)	
Dilution Factor: 1.000				
Analyte	Acceptable Range (aw)	Result (aw)		
Water Activity	.55 - .65	0.537		

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Sampling Method:
MSP 7.3.1

Net Weight per Serving:

2000 mg
Servings Per Package:
1



Total Yeast and Mold

Specimen Weight: 989.700 mg

Passed

SOP13.017 (qPCR)

Dilution Factor: 20.000

Analyte	LOQ (cfu/g)	Action Level (cfu/g)	Result (cfu/g)
Total Yeast/Mold	1000	100000	78300



Pathogenic SAE (qPCR) FL

Specimen Weight: 1023.800 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	Shiga toxin-producing E. coli (STEC)	1	Absence in 1g
Salmonella	1	Absence in 1g			

Aixia Sun

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Net Weight per Package:
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Sampling Method:
MSP 7.3.1Net Weight per Serving:
2000 mg
Servings Per Package:
1E Vitamin E (Tocopheryl Acetate)
Specimen Weight: 588.800 mg

Dilution Factor: 2.550

Passed
SOP13.007 (LCMS/GCMS)

Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)
Tocopheryl Acetate (Vitamin E Acetate)	0.705	500	500	<LOQ

H Heavy Metals Florida
Specimen Weight: 246.800 mg

Dilution Factor: 202.593

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)	0.013	100	200	<LOQ	Lead (Pb)	0.007	100	500	<LOQ
Cadmium (Cd)	0.003	100	200	180	Mercury (Hg)	0.016	100	200	<LOQ

Mycotoxins
Specimen Weight: 588.800 mg

Dilution Factor: 2.550

Passed
SOP13.007 (LCMS/GCMS)

Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)	Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)
Aflatoxin B1	0.304	6	20	<LOQ	Aflatoxin G2	0.271	6	20	<LOQ
Aflatoxin B2	0.077	6	20	<LOQ	Ochratoxin A	0.754	3.8	20	<LOQ
Aflatoxin G1	0.304	6	20	<LOQ					

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Residual Solvents - FL (CBD)

Specimen Weight: 17.100 mg

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	8	<LOQ	Heptane	0.001	13.9	5000	<LOQ
1,2-Dichloroethane	0.000	0.4	2	<LOQ	Hexane	0.068	11.7	250	<LOQ
Acetone	0.015	20.8	750	<LOQ	Isopropyl alcohol	0.005	13.9	500	<LOQ
Acetonitrile	0.060	11.7	60	<LOQ	Methanol	0.001	6.9	250	8.65
Benzene	0.000	0.2	1	<LOQ	Methylene chloride	0.003	24.3	125	<LOQ
Butanes	0.417	25	5000	<LOQ	Pentane	0.037	20.8	750	<LOQ
Chloroform	0.000	0.4	2	<LOQ	Propane	0.031	58.3	5000	<LOQ
Ethanol	0.002	27.8	5000	<LOQ	Toluene	0.001	29.2	150	<LOQ
Ethyl Acetate	0.001	11.1	400	<LOQ	Total Xylenes	0.000	29.2	150	<LOQ
Ethyl Ether	0.005	13.9	500	<LOQ	Trichloroethylene	0.001	4.9	25	<LOQ
Ethylene Oxide	0.004	1	5	<LOQ					

Passed

SOP13.039 (GCMS-HS)

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Pesticides Florida

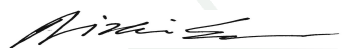
Specimen Weight: 588.800 mg

Dilution Factor: 2.550

Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)	Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)
Abamectin	0.399	23.3	100	<LOQ	Fludioxonil	0.360	24.8	100	<LOQ
Acephate	0.141	24.8	100	<LOQ	Hexythiazox	0.113	24.8	100	<LOQ
Acequinocyl	2.178	24.8	100	<LOQ	Imazalil	0.258	24.8	100	<LOQ
Acetamiprid	0.140	24.8	100	<LOQ	Imidacloprid	0.402	24.8	400	<LOQ
Aldicarb	0.203	24.8	100	<LOQ	Kresoxim Methyl	0.182	24.8	100	<LOQ
Azoxystrobin	0.188	24.8	100	<LOQ	Malathion	0.223	24.8	200	<LOQ
Bifenazate	0.086	24.8	100	<LOQ	Metaxyl	0.270	24.8	100	<LOQ
Bifenthrin	0.100	24.8	100	<LOQ	Methiocarb	0.118	24.8	100	<LOQ
Boscalid	0.595	24.8	100	<LOQ	Methomyl	0.064	24.8	100	<LOQ
Captan	1.850	323	700	<LOQ	methyl-Parathion	2.390	24.8	100	<LOQ
Carbaryl	0.122	24.8	500	<LOQ	Mevinphos	0.093	24.8	100	<LOQ
Carbofuran	0.086	24.8	100	<LOQ	Myclobutanil	0.573	24.8	24.8	<LOQ
Chlorantraniliprole	0.084	24.8	1000	<LOQ	Naled	0.069	24.8	250	<LOQ
Chlordane	9.671	24.8	100	<LOQ	Oxamyl	0.041	24.8	500	<LOQ
Chlorfenapyr	1.500	24.8	100	<LOQ	Paclobutrazol	0.186	24.8	100	<LOQ
Chlormequat Chloride	0.205	24.8	1000	<LOQ	Pentachloronitrobenzene	7.950	24.8	150	<LOQ
Chlorpyrifos	0.109	24.8	100	<LOQ	Permethrin	0.624	24.8	100	<LOQ
Clofentezine	0.212	24.8	200	<LOQ	Phosmet	0.127	24.8	100	<LOQ
Coumaphos	0.206	24.8	100	<LOQ	Piperonylbutoxide	0.149	24.8	3000	<LOQ
Cyfluthrin	0.980	24.8	500	<LOQ	Prallethrin	1.476	24.8	100	<LOQ
Cypermethrin	0.985	24.8	500	<LOQ	Propiconazole	0.294	24.8	100	<LOQ
Daminozide	1.655	24.8	100	<LOQ	Propoxur	0.100	24.8	100	<LOQ
Diazinon	0.212	24.8	100	<LOQ	Pyrethrins	0.067	12.9	500	<LOQ
Dichlorvos	1.130	24.8	100	<LOQ	Pyridaben	0.140	24.8	200	<LOQ
Dimethoate	0.063	24.8	100	<LOQ	Spinetoram	0.424	24.8	200	<LOQ
Dimethomorph	2.581	24.8	200	<LOQ	Spinosad	0.028	24.8	100	<LOQ
Ethoprophos	0.151	24.8	100	<LOQ	Spiromesifen	0.120	24.8	100	<LOQ
Etofenprox	0.172	24.8	100	<LOQ	Spirotetramat	0.211	24.8	100	<LOQ
Etoxazole	0.866	24.8	100	<LOQ	Spiroxamine	0.533	24.8	100	<LOQ
Fenhexamid	0.588	24.8	100	<LOQ	Tebuconazole	0.230	24.8	100	<LOQ
Fenoxycarb	0.274	24.8	100	<LOQ	Thiacloprid	0.170	24.8	100	<LOQ
Fenpyroximate	0.198	24.8	100	<LOQ	Thiamethoxam	0.179	24.8	500	<LOQ
Fipronil	0.317	24.8	100	<LOQ	Trifloxystrobin	0.134	24.8	100	<LOQ
Flonicamid	0.466	24.8	100	<LOQ					

Passed

SOP13.007 (LCMS/GCMS)


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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