

Certificate of Analysis
Compliance Test

Client Information:

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

Manufacturing Facility:

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

Batch Data:

Batch # S061125PP
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 # AAHA554

Sampling Date: 2025-08-26

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

Initial Gross Weight: 25.300 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 Total Yeast and Mold



Product Image

Potency
TestedTerpenes
TestedHeavy Metals
Passed2-Butanedione
PassedMycotoxins
PassedPesticides
PassedResidual Solvents
PassedWater Activity
TestedPathogenic
PassedMicrobiology (qPCR)
PassedVitamin E
Passed

Potency Summary

Delta 9 THC	<LOQ	Total Active CBD	0.0840%
per Serving	0.00 mg	per Serving	1.69 mg
per Package	0.00 mg	per Package	1.69 mg
Total CBG	8.62%	Total CBN	0.404%
per Serving	172 mg	per Serving	8.09 mg
per Package	172 mg	per Package	8.09 mg
Total Cannabinoids	25.7%	Total Active THC	0.0351%
per Serving	515 mg	per Serving	0.702 mg
per Package	515 mg	per Package	0.702 mg
Total DELTA9-THCP	7.13%		
per Serving	143 mg		
per Package	143 mg		



Terpenes Summary

Analyte	Result (mg/g)	(%)
trans-Caryophyllene	3.249	0.325%
Linalool	1.23	0.123%
alpha-Bisabolol	1.19	0.119%
Guaiol	0.717	0.072%
Caryophyllene oxide	0.614	0.061%
alpha-Humulene	0.445	0.044%
trans-Nerolidol	0.445	0.045%
Fenchyl Alcohol	0.385	0.039%
Total Terpeneol	0.221	0.022%

Total Terpenes: 0.850%

Detailed Terpenes Analysis is on the following page

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 = 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, (ug/g) = Microgram per Gram, (ppm) = Parts per Million, (ppm) = (ug/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
Sampling Method:
MSP 7.3.1

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



Potency 25 (LCUV)
Specimen Weight: 1697.480 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	150.000	8.000000E-5	0.0125	89.8	8.98	180	180
Delta9-THCP	150.000	1.170000E-5	0.01	71.3	7.13	143	143
Delta-8 THC	150.000	2.600000E-5	0.0125	70.4	7.04	141	141
CBG	150.000	2.480000E-4	0.0125	7.30	0.730	14.6	14.6
CBCA	150.000	1.070000E-4	0.0125	4.70	0.470	9.40	9.40
CBNA	150.000	9.500000E-5	0.0125	3.67	0.367	7.34	7.34
Delta8-THCP	150.000	3.750000E-4	0.0125	3.17	0.317	6.34	6.34
CBC	150.000	1.800000E-5	0.0125	2.61	0.261	5.22	5.22
Delta-8 THCV	150.000	4.000000E-5	0.0125	1.27	0.127	2.54	2.54
CBN	150.000	1.400000E-5	0.0125	0.830	0.0830	1.66	1.66
CBT	150.000	2.000000E-4	0.0125	0.760	0.0760	1.52	1.52
CBD	150.000	5.400000E-5	0.0125	0.450	0.0450	0.900	0.900
CBDA	150.000	1.000000E-5	0.0125	0.450	0.0450	0.900	0.900
THCA-A	150.000	3.200000E-5	0.0125	0.400	0.0400	0.800	0.800
THCV	150.000	7.000000E-6	0.0125	0.270	0.0270	0.540	0.540
CBDV	150.000	6.500000E-5	0.0125	<LOQ	<LOQ	0.00	0.00
CBDVA	150.000	1.400000E-5	0.0125	<LOQ	<LOQ	0.00	0.00
CBL	150.000	3.500000E-5	0.0125	<LOQ	<LOQ	0.00	0.00
Delta-8 THC-O Acetate	150.000	2.700000E-5	0.025	<LOQ	<LOQ	0.00	0.00
Delta-9 THC	150.000	1.300000E-5	0.0125	<LOQ	<LOQ	0.00	0.00
Delta-9 THC-O Acetate	150.000	7.700000E-5	0.025	<LOQ	<LOQ	0.00	0.00
Exo-THC	150.000	2.300000E-4	0.0125	<LOQ	<LOQ	0.00	0.00
THCB	150.000	1.800000E-4	0.0163	<LOQ	<LOQ	0.00	0.00
THCH	150.000	3.500000E-4	0.0163	<LOQ	<LOQ	0.00	0.00
THCVA	150.000	4.700000E-5	0.0125	<LOQ	<LOQ	0.00	0.00
Total Active THC	150.000			0.351	0.0351	0.702	0.702
Total Active CBD	150.000			0.845	0.0845	1.69	1.69

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



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2000.000 mg
Sampling Method:
MSP 7.3.1

Net Weight per Serving:

2000 mg
Servings Per Package:
1

Terpenes

Specimen Weight: 208.600 mg

Dilution Factor: 30.000

Analyte	LOQ (%)	Result (mg/g)	(%)	Analyte	LOQ (%)	Result (mg/g)	(%)
trans-Caryophyllene	0.002	3.25	0.325	Camphene	0.002	<LOQ	
Linalool	0.002	1.23	0.123	Camphors	0.006	<LOQ	
alpha-Bisabolol	0.002	1.19	0.119	cis-Nerolidol	0.002	<LOQ	
Guaiol	0.002	0.717	0.072	Eucalyptol	0.002	<LOQ	
Caryophyllene oxide	0.002	0.614	0.061	Farnesene	0.002	<LOQ	
trans-Nerolidol	0.002	0.445	0.045	Fenchone	0.002	<LOQ	
alpha-Humulene	0.002	0.445	0.044	Gamma-Terpinene	0.002	<LOQ	
Fenchyl Alcohol	0.002	0.385	0.039	Geraniol	0.002	<LOQ	
Total Terpineol	0.00126	0.221	0.022	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	

Tested

SOP13.045 (GC-MS/GC (Liquid Injection))



2,3-butanedione(Diacetyl) Florida

Specimen Weight: 16.500 mg

Dilution Factor: 1.000

Analyte	LOD (ppm)	LOQ (ppm)	Result (ppm)
2,3-Butanedione	0.000	0.2	<LOQ

Passed

SOP13.039 (GCMS-HS)



Water Activity Florida

Specimen Weight: 0.500 g

Dilution Factor: 1.000

Analyte	Acceptable Range (aw)	Result (aw)
Water Activity	.55 - .65	0.544

Tested

SOP13.016 (Water Activity Analyzer)

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

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Servings Per Package:
1



Total Yeast and Mold

Specimen Weight: 956.900 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	92100



Pathogenic SAE (qPCR) FL

Specimen Weight: 1039.700 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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Vitamin E (Tocopheryl Acetate)

Specimen Weight: 590.700 mg

Dilution Factor: 2.540

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



Heavy Metals Florida

Specimen Weight: 251.200 mg

Dilution Factor: 199.045

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	177	Mercury (Hg)	0.016	100	200	<LOQ



Mycotoxins

Specimen Weight: 590.700 mg

Dilution Factor: 2.540

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: 16.500 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	8.04
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: 590.700 mg

Dilution Factor: 2.540

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	Metaxalyl	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
Fenproxiimate	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

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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