



**SMAK'D THCP INDOOR FLOWER
RAINBOW RUNTZ SATIVA**

Sample Matrix:
CBD/HEMP
Flower & Plants
(Inhalation - Heated)



Certificate of Analysis

Compliance Test

Client Information:

TERP NATION LLC
2500 S PARK ROAD
BAY#3
PEMBROKE PARK, FL 33009

Batch # 102324PRR
Batch Date: 2025-07-17
Extracted From: HEMP

Test Reg State: Florida
Food Permit #: 420113

Order # TER250717-120001
Order Date: 2025-07-17
Sample # AAGX749

Sampling Date: 2025-07-18
Lab Batch Date: 2025-07-18
Completion Date: 2025-07-28

Initial Gross Weight: 24.900 g



Product Image



**Potency
Tested**



**Heavy Metals
Passed**



**2,3-Butanedione
Passed**



**Mycotoxins
Passed**



**Pesticides
Passed**



**Residual Solvents
Passed**



**Water Activity
Tested**



**Pathogenic
Passed**



**Microbiology (qPCR)
Passed**



**Microbiology
Tested**



**Vitamin E
Passed**



Potency 25 (LCUV)

Specimen Weight: 1732.180 mg

Tested

SOP13.001 (LCUV)

Analyte	Dilution (1:n)	LOD (mg/g)	LOQ (%)	Result (mg/g)	(%)
CBGA	150.000	8.00E-5	0.0125	72.6100	7.2610
Delta9-THCP	1500.000	1.17E-5	0.01	68.8700	6.8870
Delta-8 THC	150.000	2.60E-5	0.0125	60.3100	6.0310
CBG	150.000	2.48E-4	0.0125	5.2800	0.5280
CBCA	150.000	1.07E-4	0.0125	2.3030	0.2303
CBC	150.000	1.80E-5	0.0125	2.1600	0.2160
Delta-8 THCV	150.000	4.00E-5	0.0125	1.0670	0.1067
CBN	150.000	1.40E-5	0.0125	0.6800	0.0680
Delta8-THCP	150.000	3.75E-4	0.0125	0.6374	0.0637
THCA-A	150.000	3.20E-5	0.0125	0.3900	0.0390
THCV	150.000	7.00E-6	0.0125	0.2300	0.0230
CBD	150.000	5.40E-5	0.0125	<LOQ	<LOQ
CBDa	150.000	1.00E-5	0.0125	<LOQ	<LOQ
CBDV	150.000	6.50E-5	0.0125	<LOQ	<LOQ
CBDVA	150.000	1.40E-5	0.0125	<LOQ	<LOQ
CBL	150.000	3.50E-5	0.0125	<LOQ	<LOQ
CBNA	150.000	9.50E-5	0.0125	<LOQ	<LOQ
CBT	150.000	2.00E-4	0.0125	<LOQ	<LOQ
Delta-8 THC-O Acetate	150.000	2.70E-5	0.025	<LOQ	<LOQ
Delta-9 THC	150.000	1.30E-5	0.0125	<LOQ	<LOQ
Delta-9 THC-O Acetate	150.000	7.70E-5	0.025	<LOQ	<LOQ
Exo-THC	150.000	2.30E-4	0.0125	<LOQ	<LOQ
THCB	150.000	1.80E-4	0.0163	<LOQ	<LOQ
THCH	150.000	3.50E-4	0.0163	<LOQ	<LOQ
THCVA	150.000	4.70E-5	0.0125	<LOQ	<LOQ
Total Active CBD	150.000			<LOQ	<LOQ
Total Active THC	150.000			0.342	0.034



Potency Summary

**Total Active THC
0.034%**

**Total Active CBD
None Detected**

**Total CBG
6.903%**

**Total CBN
0.068%**

**Total Cannabinoids
21.454%**

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. 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.

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Sampling Date: 2025-07-18
Lab Batch Date: 2025-07-18
Completion Date: 2025-07-28

Initial Gross Weight: 24.900 g



2,3-butanedione(Diacetyl) Florida

Specimen Weight: 17.500 mg

Passed
SOP13.039 (GCMS-HS)

Dilution Factor: 1.000

Analyte	LOD (ppm)	LOQ (ppm)	Result (ppm)
2,3-Butanedione	0.00036	0.2	<LOQ



Total Yeast and Mold

Specimen Weight: 1015.150 mg

Passed
SOP13.017 (qPCR)

Dilution Factor: 20.000

Analyte	Action Level (cfu/g)	LOQ (cfu/g)	Result (cfu/g)
Total Yeast/Mold	100000	1000	31223
Prep. By: 1161	Date: 2025-07-19 08:57:50	Analyzed By: 1161	Date: 2025-07-19 08:57:50
Reviewed By: 1161	Date: 2025-07-19 15:15:29	Lab Batch #: AAGX749-435	Date: 2025-07-19 15:15:29



Water Activity

Specimen Weight: 0.500 g

Tested
SOP13.016
(Water Activity Analyzer)

Dilution Factor: 1.000

Analyte	Action Level (aw)	Result (aw)
Water Activity	0.85	0.550



Microbiology AC TYM BTGN plating - (GA)

Specimen Weight: 1000.000 mg

Tested
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 Aerobic Count	1000	100000	<1000



Pathogenic SAE (qPCR)

Specimen Weight: 43.150 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	Salmonella	1	Absence in 1g
E.Coli	1	Absence in 1g			

Aixia Sun

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

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Initial Gross Weight: 24.900 g

Vitamin E (Tocopheryl Acetate)
Specimen Weight: 605.290 mg

Passed
SOP13.007 (LCMS)

Dilution Factor: 2.480

Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)
Tocopheryl Acetate (Vitamin E Acetate)	.705	500	500	<LOQ

Heavy Metals
Specimen Weight: 247.730 mg

Passed
SOP13.048 (ICP-MS)

Dilution Factor: 201

Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)	Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)
Arsenic (As)	4.83	100	200	<LOQ	Lead (Pb)	11.76	100	500	<LOQ
Cadmium (Cd)	.64	100	200	159.276	Mercury (Hg)	.58	100	200	<LOQ

Mycotoxins
Specimen Weight: 605.290 mg

Passed
SOP13.007 (LCMS)

Dilution Factor: 2.480

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					

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Residual Solvents - FL (CBD)

Specimen Weight: 17.500 mg

Passed
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	0.0094	0.16	8	<LOQ	Heptane	0.0013	1.39	5000	<LOQ
1,2-Dichloroethane	0.0003	0.04	2	<LOQ	Hexane	0.068	1.17	290	<LOQ
Acetone	0.015	2.08	5000	<LOQ	Isopropyl alcohol	0.0048	1.39	500	13.477
Acetonitrile	0.06	1.17	410	<LOQ	Methanol	0.0005	0.69	3000	11.970
Benzene	0.0002	0.02	2	<LOQ	Methylene chloride	0.0029	2.43	600	<LOQ
Butanes	0.4167	2.5	2000	<LOQ	Pentane	0.037	2.08	5000	<LOQ
Chloroform	0.0001	0.04	60	<LOQ	Propane	0.031	5.83	2100	<LOQ
Ethanol	0.0021	2.78	5000	43.186	Toluene	0.0009	2.92	890	<LOQ
Ethyl Acetate	0.0012	1.11	5000	<LOQ	Total Xylenes	0.0001	2.92	2170	<LOQ
Ethyl Ether	0.0049	1.39	5000	<LOQ	Trichloroethylene	0.0014	0.49	80	<LOQ
Ethylene Oxide	0.0038	0.1	5	<LOQ					

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Pesticides
Specimen Weight: 605.290 mg

Passed
SOP13.007 (LCMS)

Dilution Factor: 2.480

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	100	<LOQ	Fludioxonil	1.7400E+0	48	100	<LOQ
Acephate	2.3000E-2	30	100	<LOQ	Hexythiazox	4.9000E-2	30	100	<LOQ
Acequinocyl	9.5640E+0	48	100	<LOQ	Imazalil	2.4800E-1	30	100	<LOQ
Acetamiprid	5.2000E-2	30	100	<LOQ	Imidacloprid	9.4000E-2	30	400	<LOQ
Aldicarb	2.6000E-2	30	100	<LOQ	Kresoxim Methyl	4.2000E-2	30	100	<LOQ
Azoxystrobin	8.1000E-2	10	100	<LOQ	Malathion	8.2000E-2	30	200	<LOQ
Bifenazate	1.4150E+0	30	100	<LOQ	Metalaxyl	8.1000E-2	10	100	<LOQ
Bifenthrin	4.3000E-2	30	200	<LOQ	Methiocarb	3.2000E-2	30	100	<LOQ
Boscalid	5.5000E-2	10	100	<LOQ	Methomyl	2.2000E-2	30	100	<LOQ
Captan	6.1200E+0	30	700	<LOQ	methyl-Parathion	1.7100E+0	10	100	<LOQ
Carbaryl	2.2000E-2	10	500	<LOQ	Mevinphos	2.1500E+0	10	100	<LOQ
Carbofuran	3.4000E-2	10	100	<LOQ	MGK-264	5.8500E-1	10	100	<LOQ
Chlorantraniliprole	3.3000E-2	10	1000	<LOQ	Myclobutanil	1.0290E+0	30	100	<LOQ
Chlordane	1.0000E+1	10	100	<LOQ	Naled	9.5000E-2	30	250	<LOQ
Chlorfenapyr	3.4000E-2	30	100	<LOQ	Oxamyl	2.5000E-2	30	500	<LOQ
Chlormequat Chloride	1.0800E-1	10	1000	<LOQ	Paclobutrazol	6.5000E-2	30	100	<LOQ
Chlorpyrifos	3.5000E-2	30	100	<LOQ	Pentachloronitrobenzene	1.3200E+0	10	150	<LOQ
cis-Chlordane	1.0000E+1	10	100	<LOQ	Permethrin	3.4300E-1	30	100	<LOQ
Clofentezine	1.1900E-1	30	200	<LOQ	Phosmet	8.2000E-2	30	100	<LOQ
Coumaphos	3.7700E+0	48	100	<LOQ	Piperonylbutoxide	2.9000E-2	30	3000	<LOQ
Cyfluthrin	3.1100E+0	30	500	<LOQ	Prallethrin	7.9800E-1	30	100	<LOQ
Cypermethrin	1.4490E+0	30	500	<LOQ	Propiconazole	7.0000E-2	30	100	<LOQ
Daminozide	8.8500E-1	30	100	<LOQ	Propoxur	4.6000E-2	30	100	<LOQ
Diazinon	4.4000E-2	30	100	<LOQ	Pyrethrins	2.3593E+1	30	500	<LOQ
Dichlorvos	2.1820E+0	30	100	<LOQ	Pyridaben	3.2000E-2	30	200	<LOQ
Dimethoate	2.1000E-2	30	100	<LOQ	Spinetoram	8.0000E-2	10	200	<LOQ
Dimethomorph	5.8300E+0	48	200	<LOQ	Spinosad	8.8000E-2	30	100	<LOQ
Ethoprophos	3.6000E-1	30	100	<LOQ	Spiromesifen	2.6100E-1	30	100	<LOQ
Etofenprox	1.1600E-1	30	100	<LOQ	Spirotetramat	8.9000E-2	30	100	<LOQ
Etoxazole	9.5000E-2	30	100	<LOQ	Spiroxamine	1.3100E-1	30	100	<LOQ
Fenhexamid	5.1000E-1	10	100	<LOQ	Tebuconazole	6.7000E-2	30	100	<LOQ
Fenoxycarb	1.0700E-1	30	100	<LOQ	Thiacloprid	6.4000E-2	30	100	<LOQ
Fenpyroximate	1.3800E-1	30	100	<LOQ	Thiamethoxam	5.0000E-2	30	500	<LOQ
Fipronil	1.0700E-1	30	100	<LOQ	trans-Chlordane	1.0000E+1	10	100	<LOQ
Flonicamid	5.1700E-1	30	100	<LOQ	Trifloxystrobin	3.7000E-2	30	100	<LOQ

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