

Theraplant LLC
856 Echo Lake Rd
Watertown, CT 06795

Date Received: 12/5/2024
Report Date: 12/12/2024
NELabs Report ID: 2495598-04

HPEN24-044T

Biotrack ID: HPEN24-044T

9559 3232 4576 2712

Microbiology	Results	Limits	Methods
Total Aerobic Microbial Count (cfu/g)	<100	100,000	AOAC 990.12
Total Yeast & Mold Count (cfu/g)	<100	100,000	AOAC 2014.05
<i>Aspergillus</i> (flavus, fumigatus, terreus, niger)	Not Detected	Not Detected	qPCR
Enteropathogenic <i>E. coli</i>	Not Detected	Not Detected	AOAC 2017.01
<i>Listeria Monocytogenes</i>	Not Detected	Not Detected	AOAC 2016.08
<i>Salmonella</i> species	Not Detected	Not Detected	AOAC 2016.01
Shiga Toxin Producing <i>E. coli</i>	Not Detected	Not Detected	qPCR
Pass/Fail	Pass		

By HPLC

Cannabinoids	Results (% w/w)	Dosing (mg/package)
CBDV		
CBDA		
CBGA		
CBG	2.57	25.7
CBD	<LOQ	<1.0
THCV	<LOQ	<1.0
CBN	2.14	21.4
Δ^9 THC	81.05	810.5
Δ^8 THC		
CBL		
THCA		
CBC		
Total Cannabinoids	85.76	857.6
Total THC % (0.877*THCA)+THC	81.05	

By GC - MS

Terpenes	Results (% w/w)
α -Pinene	0.03
β -Myrcene	0.06
β -Pinene	0.06
Limonene	0.57
α -Terpinolene	
Linalool	0.27
β -Caryophyllene	0.50
α -Humulene	0.18
Caryophyllene Oxide	
α -Bisabolol	
Total Terpenes	1.67



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Pesticides	Results	Limits	Methods
Per Sample ≥ 0.5 g	Below Action Limits	Below Action Limits	LC & GC - MS/MS
Pass/Fail	Pass		

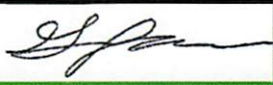
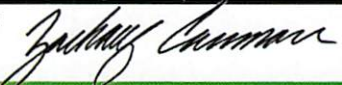
Mycotoxins	Results (µg/kg)	Limits (µg/kg)	Methods
Aflatoxins (B1, B2, G1, G2)	Below Action Limits	< 20 each	LC - MS/MS
Ochratoxin-A	Below Action Limits	< 20	
Pass/Fail	Pass		

Heavy Metals	Results	Limits	Methods
As, Cd, Pb, Hg, Cr	Below Action Limits	Below Action Limits	ICP - MS
Pass/Fail	Pass		

Residual Solvents	Results	Limits	Methods
Solvent Panel	Below Action Limits	1000 ppm individual 5000 ppm total	GC - MS
Pass/Fail	Pass		

Ingredient Testing	Results	Limits	Methods
Restricted Ingredient Panel	Not Detected	Absent	FTIR
Pass/Fail	Pass		

NOTE: Results are for sample(s) submitted to Northeast Laboratories Inc. on 12/5/2024

DATE	Reviewed by	Released by
12/12/2024	 Garrett Johnson, QA/QC	 Zachary Cannone, Laboratory Director

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025: 2017.
This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system
(refer to joint ISO/ILAC-IAF Communiqué dated April 2017).

Not all results and/or analytes reported are obtained for ISO accredited testing methods.
Please refer to our ISO certificate for a full list of testing under our scope of accreditation.



HPEN24-044T

BioTrack Lot ID: 7722623186103801

Sample ID: 2411ANSCT0070.0404

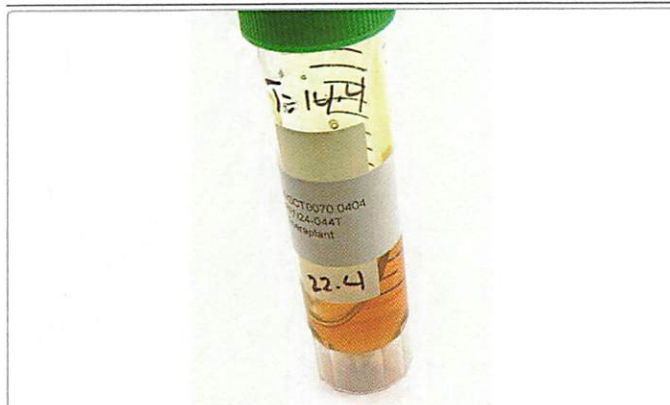
Strain: Concentrates & Extracts, Formulated Vape Oil, Bulk
Oil Beaker, Hybrid, Produced: Completed: 11/22/2024
Expiration: 11/22/2025
Batch ID:

Client

Theraplant
Lic. # MMPR00000004
856 Echo Lake Rd
Watertown, CT 06795

Sample Size: 22.4 g

COC #: 2411ANSCT0070; Number of Servings: ; Growth Material: ; Extraction Solvent: ; Remediated: ; Revision Notes: ; Amended: No; Sample Condition: Intact;



Summary

Test	Date Tested	Result
Batch		Fail
Cannabinoids	11/19/2024	Complete
Terpenes	11/21/2024	Complete
Residual Solvents	11/19/2024	Pass
Microbials	11/19/2024	Pass
Mycotoxins	11/19/2024	Pass
Pesticides	11/19/2024	Pass
Heavy Metals	11/20/2024	Fail

Cannabinoids

Complete

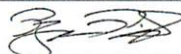
82.07% Total THC	ND Total CBD	87.59% Total Cannabinoids
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Analyte	LOD	LOQ	Result	Result	Qualifiers
	%	%	%	mg/g	
THCa	0.00003	0.00010	ND	ND	
Δ9-THC	0.00003	0.00010	82.070	820.700	
Δ8-THC	0.00005	0.00010	ND	ND	
THCVa	0.00001	0.00010	ND	ND	
THCV	0.00003	0.00010	ND	ND	
CBDa	0.00002	0.00010	ND	ND	
CBD	0.00002	0.00010	ND	ND	
CBDVa	0.00001	0.00010	ND	ND	
CBDV	0.00001	0.00010	ND	ND	
CBN	0.00002	0.00010	2.030	20.300	
CBGa	0.00003	0.00010	ND	ND	
CBG	0.00004	0.00010	2.160	21.600	
CBCa	0.00006	0.00010	ND	ND	
CBC	0.00004	0.00010	1.330	13.300	
CBL	0.00007	0.00010	ND	ND	
CBT	0.00003	0.00010	ND	ND	
Total Available THC			82.072	820.715	
Total Active THC			82.072	820.715	
Total Available CBD			ND	ND	
Total Active CBD			ND	ND	
Total Available Cannabinoids			87.593	875.925	
Total Active Cannabinoids			87.593	875.925	

Entered by: 5; Instrument ID: 1; Date Tested: 11/19/2024;

Cannabinoids analyzed by SOP-009. LOD= Limit of Detection, LOQ = Limit of Quantitation, ND = Not Detected. Total Available THC = Δ9-THC + THCa. Total Active THC = Δ9-THC + (THCa0.877). Total Available CBD = CBD + CBDA. Total Active CBD = CBD + (CBDA0.877). Total Active Cannabinoids = THCa0.877 + Δ9-THC + Δ8-THC + THCVa0.867 + THCV + CBDA 0.877 + CBD + CBDV + CBDVA 0.867 + CBNA0.876 + CBN + CBGA0.878 + CBG + CBCA 0.877 + CBC + CBL + CBT. Total Available Cannabinoids = sum of all detected cannabinoids.




Ryan Picard
Lab Director
11/22/2024

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HPEN24-044T

BioTrack Lot ID: 7722623186103801

Sample ID: 2411ANSCT0070.0404

Strain: Concentrates & Extracts, Formulated Vape Oil, Bulk
Oil Beaker, Hybrid,
Produced: Completed: 11/22/2024
Expiration: 11/22/2025
Batch ID:

Client

Theraplant
Lic. # MMPR0000004
856 Echo Lake Rd
Watertown, CT 06795

Sample Size: 22.4 g
COC #: 2411ANSCT0070; Number of Servings: ; Growth Material: ; Extraction Solvent: ; Remediated: ; Revision Notes: ; Amended: No; Sample Condition: Intact;

Terpenes

Analyte	CAS #	LOD	LOQ	Result	Result	Qualifiers
		%	%	%	mg/g	
Limonene		0.00004	0.0005	0.58	5.752	
β-Caryophyllene		0.00003	0.0005	0.33	3.344	
Nerolidol			0.0005	0.28	2.808	
2-Piperidone		0.00003	0.0005	ND	ND	
3-Carene		0.00003	0.0005	ND	ND	
α-Bisabolol		0.00007	0.0005	ND	ND	
α-Cedrene		0.00002	0.0004	ND	ND	
α-Humulene		0.00003	0.0005	ND	ND	
α-Phellandrene		0.00003	0.0005	ND	ND	
α-Pinene		0.00004	0.0005	ND	ND	
α-Terpinene		0.00002	0.0005	ND	ND	
α-Terpineol		0.00004	0.0005	ND	ND	
alpha-Thujone		0.00002	0.0005	ND	ND	
β-Cedrene		0.00012	0.0001	ND	ND	
β-Farnesene		0.00110	0.0005	ND	ND	
β-Myrcene		0.00004	0.0005	ND	ND	
β-Pinene		0.00002	0.0005	ND	ND	
Borneol		0.00002	0.0005	ND	ND	
Camphene		0.00007	0.0005	ND	ND	
Camphor		0.00001	0.0005	ND	ND	
Carvacrol		0.00013	0.0005	ND	ND	
Carvone		0.00003	0.0005	ND	ND	
Caryophyllene Oxide		0.00010	0.0005	ND	ND	
Cedrol		0.00003	0.0005	ND	ND	
cis-Ocimene		0.00004	0.0001	ND	ND	
Citral		0.00002	0.0005	ND	ND	
Eucalyptol		0.00003	0.0005	ND	ND	
Fenchol		0.00002	0.0005	ND	ND	
Total				1.19	11.904	

Primary Aromas



Entered by: 007
Instrument ID: GCMS-1
Date Tested: 11/21/2024
LOD= Limit of Detection, LOQ = Limit of Quantitation. Terpenes analyzed by SOP-010. Nerolidol = Sum of Cis and Trans-Nerolidol.




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Lab Director
11/22/2024

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HPEN24-044T

BioTrack Lot ID: 7722623186103801

Sample ID: 2411ANSCT0070.0404

Strain: Completed: 11/22/2024
Concentrates & Extracts, Formulated Vape Oil, Bulk Expiration: 11/22/2025
Oil Beaker, Hybrid, Batch ID:

Client

Theraplant
Lic. # MMPR0000004
856 Echo Lake Rd
Watertown, CT 06795

Sample Size: 22.4 g

COC #: 2411ANSCT0070; Number of Servings: ; Growth Material: ; Extraction Solvent: ; Remediated: ; Revision Notes: ; Amended: No; Sample Condition: Intact;

Terpenes

Analyte	CAS #	LOD	LOQ	Result	Result	Qualifiers
		%	%	%	mg/g	
Fenchone		0.00002	0.0005	ND	ND	
γ-Terpinene		0.00002	0.0005	ND	ND	
Geraniol		0.00003	0.0005	ND	ND	
Geranyl Acetate		0.00002	0.0005	ND	ND	
Isoborneol		0.00002	0.0005	ND	ND	
Isobornyl Acetate		0.00002	0.0005	ND	ND	
Linalool		0.00002	0.0005	ND	ND	
m-Cymene		0.00002	0.0005	ND	ND	
Menthone		0.00003	0.0005	ND	ND	
Nerol		0.00004	0.0005	ND	ND	
Nootkatone		0.00011	0.0005	ND	ND	
o-Cymene		0.00003	0.0005	ND	ND	
(-)-Isopulegol		0.00002	0.0005	ND	ND	
(-)-Guaiol		0.00006	0.0005	ND	ND	
Phytane		0.00002	0.0005	ND	ND	
Piperitone		0.00003	0.0005	ND	ND	
Pulegone		0.00002	0.0005	ND	ND	
p-Cymene		0.00003	0.0005	ND	ND	
Sabinene		0.00003	0.0005	ND	ND	
Sabinene Hydrate		0.00001	0.0005	ND	ND	
Safranal		0.00001	0.0005	ND	ND	
Terpinolene		0.00002	0.0005	ND	ND	
Thymol		0.00005	0.0005	ND	ND	
trans-Ocimene		0.00005	0.0004	ND	ND	
Valencene		0.00002	0.0005	ND	ND	
Squalene				0.00	0.000	
Total				1.19	11.904	

Primary Aromas

 Orange	 Cinnamon	 Apple		
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Entered by: 007

Instrument ID: GCMS-1

Date Tested: 11/21/2024

LOD= Limit of Detection, LOQ = Limit of Quantitation. Terpenes analyzed by SOP-010. Nerolidol = Sum of Cis and Trans-Nerolidol.




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HPEN24-044T

BioTrack Lot ID: 7722623186103801

Sample ID: 2411ANSCT0070.0404

Strain:
Concentrates & Extracts, Formulated Vape Oil, Bulk
Oil Beaker, Hybrid,

Produced:
Completed: 11/22/2024
Expiration: 11/22/2025
Batch ID:

Client
Theraplant
Lic. # MMPR0000004
856 Echo Lake Rd
Watertown, CT 06795

Sample Size: 22.4 g
COC #: 2411ANSCT0070; Number of Servings: ; Growth Material: ; Extraction Solvent: ; Remediated: ; Revision Notes: ; Amended: No; Sample Condition: Intact;

Pesticides

Pass

Analyte	LOD	LOQ	Limit	Result	Status	Analyte	LOD	LOQ	Limit	Result	Status
	PPB	PPB	PPM	PPB			PPB	PPB	PPM	PPB	
Abamectin	0.0270	5.0	0.10	ND	Pass	Fludioxonil	0.0220	5.0	0.10	ND	Pass
Acephate	0.0130	5.0	0.10	ND	Pass	Hexythiazox	0.0150	5.0	0.10	ND	Pass
Acequinocyl	0.0100	5.0	0.10	ND	Pass	Imazalil	0.0120	5.0	0.10	ND	Pass
Acetamiprid	0.0110	5.0	0.10	ND	Pass	Imidacloprid	0.0110	5.0	5.00	ND	Pass
Aldicarb	0.0130	5.0	0.10	ND	Pass	Kresoxim Methyl	0.0150	5.0	0.10	ND	Pass
Azoxystrobin	0.0210	5.0	0.10	ND	Pass	Malathion	0.0180	5.0	0.50	ND	Pass
Bifenazate	0.0270	5.0	0.10	ND	Pass	Metalaxyl	0.0160	5.0	2.00	ND	Pass
Bifenthrin	0.0280	5.0	3.00	ND	Pass	Methiocarb	0.0180	5.0	0.10	ND	Pass
Boscalid	0.0110	5.0	0.10	ND	Pass	Methomyl	0.0110	5.0	1.00	ND	Pass
Captan	0.0900	5.0	0.70	ND	Pass	Methyl Parathion	0.0080	5.0	0.10	ND	Pass
Carbaryl	0.0110	5.0	0.50	ND	Pass	Mevinphos	0.0080	5.0	0.10	ND	Pass
Carbofuran	0.0130	5.0	0.10	ND	Pass	Myclobutanil	0.0170	5.0	0.10	ND	Pass
Chlorantraniliprole	0.0120	5.0	10.00	ND	Pass	Naled	0.0110	5.0	0.10	ND	Pass
Chlordane	0.0320	5.0	0.10	ND	Pass	Oxamyl	0.0110	5.0	0.50	ND	Pass
Chlorfenapyr	0.0280	5.0	0.10	ND	Pass	Paclobutrazol	0.0190	5.0	0.10	ND	Pass
Chlorpyrifos	0.0270	5.0	0.10	ND	Pass	Pentachloronitrobenzene	0.0160	5.0	0.10	ND	Pass
Clofentezine	0.0120	5.0	0.10	ND	Pass	Permethrin	0.0230	5.0	0.50	ND	Pass
Coumaphos	0.0090	5.0	0.10	ND	Pass	Phosmet	0.0100	5.0	0.10	ND	Pass
Cyfluthrin	0.0170	5.0	2.00	ND	Pass	Piperonyl Butoxide	0.0200	5.0	3.00	ND	Pass
Cypermethrin	0.0230	5.0	1.00	ND	Pass	Prallethrin	0.0150	5.0	0.10	ND	Pass
Daminozide	0.0100	5.0	0.10	ND	Pass	Propiconazole	0.0100	5.0	0.10	ND	Pass
DDVP	0.0120	5.0	0.10	ND	Pass	Pyrethrins	0.0100	5.0	0.50	ND	Pass
Diazinon	0.0050	5.0	0.10	ND	Pass	Pyridaben	0.0240	5.0	0.10	ND	Pass
Dimethoate	0.0090	5.0	0.10	ND	Pass	Spinetoram	0.0190	5.0	0.10	ND	Pass
Dimethomorph	0.0140	5.0	2.00	ND	Pass	Spinosad	0.0150	5.0	0.10	ND	Pass
Ethoprophos	0.0160	5.0	0.10	ND	Pass	Spiromesifen	0.0190	5.0	0.10	ND	Pass
Etofenprox	0.0270	5.0	0.10	ND	Pass	Spirotetramat	0.0130	5.0	0.10	ND	Pass
Etoxazole	0.0200	5.0	0.10	ND	Pass	Spiroxamine	0.0110	5.0	0.10	ND	Pass
Fenhexamid	0.0250	5.0	0.10	ND	Pass	Tebuconazole	0.0230	5.0	0.10	ND	Pass
Fenoxycarb	0.0160	5.0	0.10	ND	Pass	Thiacloprid	0.0120	5.0	0.10	ND	Pass
Fenpyroximate	0.0290	5.0	0.10	ND	Pass	Thiamethoxam	0.0080	5.0	5.00	ND	Pass
Fipronil	0.0190	5.0	0.10	ND	Pass	Trifloxystrobin	0.0230	5.0	0.10	ND	Pass
Flonicamid	0.0130	5.0	0.10	ND	Pass						

Entered by: 70
Instrument ID 1: LCMS-1
Instrument ID 2: 0
Date Tested (LC): 11/19/2024
Date Tested (GC):
LOD= Limit of Detection, LOQ = Limit of Quantitation. Pesticides analyzed by SOP-008




Ryan Picard
Lab Director
11/22/2024

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HPEN24-044T

BioTrack Lot ID: 7722623186103801

Sample ID: 2411ANSCT0070.0404

Strain: Completed: 11/22/2024
Concentrates & Extracts, Formulated Vape Oil, Bulk Expiration: 11/22/2025
Oil Beaker, Hybrid, Batch ID:

Client
Theraplant
Lic. # MMPR0000004
856 Echo Lake Rd
Watertown, CT 06795

Sample Size: 22.4 g
COC #: 2411ANSCT0070; Number of Servings: ; Growth Material: ; Extraction Solvent: ; Remediated: ; Revision Notes: ; Amended: No; Sample Condition: Intact;

Microbials

Pass

Analyte	Limit	Results	Qualifiers	Status
	CFU/g	CFU/g		
Total Viable Aerobic Bacteria	100000	<100		Pass
Total Yeast & Mold	100000	<100		Pass
E. coli	Not Detected in 1g	Not Detected		Pass
Listeria monocytogenes	Not Detected in 1g	Not Detected		Pass
Salmonella	Not Detected in 1g	Not Detected		Pass
Shiga Toxin E. Coli	Not Detected in 1g	Not Detected		Pass
Aspergillus flavus	Not Detected in 1g	Not Detected		Pass
Aspergillus fumigatus	Not Detected in 1g	Not Detected		Pass
Aspergillus niger	Not Detected in 1g	Not Detected		Pass
Aspergillus terreus	Not Detected in 1g	Not Detected		Pass

Entered by: 010
Instrument ID: PCR-1
Date Tested: 11/19/2024
Plating of Total Aerobic bacteria, Bile-Tolerant Gram-negative bacteria, total Coliforms, and total yeast & mold are analyzed by SOP-006. Shiga Toxin-Producing Escherichia coli and Salmonella spp. are analyzed by SOP-019. Viruses analyzed by SOP-016, are non-compliant, and NOT ISO accredited. NR = Not Reported, NT = Not Tested, TNTC = Too Numerous To Count.

Mycotoxins

Pass

Analyte	LOD	LOQ	Limit	Results	Qualifiers	Status
	ug/kg	ug/kg	ug/kg	ug/kg		
B1	0.0	1.0	20.0	ND		Pass
B2	0.0	1.0	20.0	ND		Pass
G1	0.0	1.0	20.0	ND		Pass
G2	0.0	1.0	20.0	ND		Pass
Ochratoxin A	0.0	1.0	20.0	ND		Pass

Entered by: 010
Instrument ID: LCMS-1
Date Tested: 11/19/2024
LOD = Limit of Detection, LOQ = Limit of Quantitation. Mycotoxins analyzed by SOP-013.

Heavy Metals

Fail

Analyte	LOD	LOQ	Limit	Results	Qualifiers	Status
	ug/kg	ug/kg	ug/kg	ug/kg		
Arsenic	0.236	1.000	200.000	ND		Pass
Cadmium	0.115	1.000	200.000	ND		Pass
Chromium	0.216	1.000	600.000	1429.9917		Fail
Lead	0.088	1.000	500.000	ND		Pass
Mercury	0.188	0.500	100.000	ND		Pass

Entered by: 3
Instrument ID: ICPMS-1
Date Tested: 11/19/2024
LOD = Limit of Detection, LOQ = Limit of Quantitation. Heavy Metals analyzed by SOP-005



Ryan Picard
Lab Director
11/22/2024

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The sampling was performed by Analytics Labs CT LLC, in accordance with established sampling protocols. Samples were received intact and underwent testing following all appropriate chain of custody and sample control protocols. All pass limits are as specified in the most recent version of Chapter 420f Sec. 21a 408-414, Chapter 420h Sec. 21a 420-429 and 21a 421j-(1-40). This product has been tested by Analytics Labs using internally validated testing methodologies and a quality management system. Uncertainty and test condition information is available upon request. Decision Rule (measurement of uncertainty) is not used to determine Pass/Fail. Analytics Labs makes no claim as to the efficacy, safety, or other risk associated with any detected, or non-detected levels of any compounds reported herein. This Certificate shall not be reproduced, except in full, without the written consent of Analytics Labs CT.



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Certificate of Analysis

6 of 7

HPEN24-044T

BioTrack Lot ID: 7722623186103801

Sample ID: 2411ANSCT0070.0404

Strain: Concentrates & Extracts, Formulated Vape Oil, Bulk
Oil Beaker, , Hybrid,

Produced:

Completed: 11/22/2024

Expiration: 11/22/2025

Batch ID:

Client

Theraplant
Lic. # MMMPR0000004
856 Echo Lake Rd
Watertown, CT 06795

Sample Size: 22.4 g

COC #: 2411ANSCT0070; Number of Servings: ; Growth Material: ; Extraction Solvent: ; Remediated: ; Revision Notes: ; Amended: No; Sample Condition: Intact;

Residual Solvents

Pass

Analyte	LOQ	Limit	Results	Status	Qualifiers
	PPM	PPM	PPM		
Acetone	100.000	1000.000	ND	Pass	
Ethanol	100.000	1000.000	ND	Pass	
Ethyl-Acetate	100.000	1000.000	ND	Pass	
Ethyl-Ether	100.000	1000.000	ND	Pass	
Ethyl-Formate	100.000	1000.000	ND	Pass	
Heptane	100.000	1000.000	ND	Pass	
Isobutane	100.000	1000.000	ND	Pass	
Isobutyl-Acetate	100.000	1000.000	ND	Pass	
Isopropyl-Acetate	100.000	1000.000	ND	Pass	
n-Butane	100.000	1000.000	ND	Pass	
n-Pentane	100.000	1000.000	ND	Pass	
Propane	100.000	1000.000	ND	Pass	
Tert-Butyl-Methyl-Ether	100.000	1000.000	ND	Pass	

Entered by: 007
Instrument ID: GC-1
Date Tested: 11/19/2024
LOQ = Limit of Quantitation. Residual Solvents analyzed by SOP-011



Ryan Picard
Lab Director
11/22/2024

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Certificate of Analysis

7 of 7

HPEN24-044T

BioTrack Lot ID: 7722623186103801

Sample ID: 2411ANSCT0070.0404

Strain: Concentrates & Extracts, Formulated Vape Oil, Bulk
Oil Beaker, Hybrid, Completed: 11/22/2024
Expiration: 11/22/2025
Batch ID:

Client

Theraplant
Lic. # MMPR0000004
856 Echo Lake Rd
Watertown, CT 06795

Sample Size: 22.4 g

COC #: 2411ANSCT0070; Number of Servings: ; Growth Material: ; Extraction Solvent: ; Remediated: ; Revision Notes: ; Amended: No; Sample Condition: Intact;

Ingredient Testing

Pass

Analyte	Results	Status
Vitamin E Acetate	NR	NT
Medium Chain Triglycerides	Not Detected	Pass
Polyethylene Glycol	Not Detected	Pass
Squalane	Not Detected	Pass
Squalene	Not Detected	Pass



Ryan Picard
Lab Director
11/22/2024

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