



HPTN BJ47(A)		NR: Not Reported
HIGHPOTENCY TINCTURE	Serving Size: 1 ml	NA: Not Available
Pixis Labs	Oregon Accreditation: OR100028	LOQ: Limit Of Quantitation
		LOD: Limit Of Detection
		1 g = 10 ³ kg = 10 ³ mg = 10 ⁶ µg
		1 mg/kg = 1 ppm = 1000 ppb

POTENCY	PER SERVING	PER GRAM	REGULATORY ACTION LEVEL
Cannabidiol (CBD)	53.5 mg/serving	57.55 mg/g	N/A
Total THC (d9-THC + d8-THC)	1.92 mg/serving	2.07 mg/g	3 mg/g
Cannabigerol (CBG)	1.43 mg/serving	1.54 mg/g	N/A
Cannabinol (CBN)	0.0867 mg/serving	0.09 mg/g	N/A
Cannabichromene (CBC)	2.20 mg/serving	2.37 mg/g	N/A

HEAVY METALS	PER SERVING	PER GRAM	REGULATORY ACTION LEVEL
Arsenic	<LOQ µg/serving	<LOQ µg/g	10 µg/day ^[1]
Cadmium	<LOQ µg/serving	<LOQ µg/g	4.1 µg/day ^[1]
Lead	<LOQ µg/serving	<LOQ µg/g	3.5 µg/day ^[2]
Mercury	<LOQ µg/serving	<LOQ µg/g	2 µg/day ^[1]

PESTICIDES	REGULATORY ACTION LEVEL
None of the 59 pesticides tested found above limit of detection in the sample.	10 ppb ^[1]

RESIDUAL SOLVENTS
None of the 36 residual solvents tested found above limit of detection in the sample.

TERPENES	% OF SAMPLE
Farnesene	0.0891%
β-Caryophyllene	0.0726%
α-Bisabolol	0.0657%

TERPENES	% OF SAMPLE
Guaiol	0.0320%
Humulene	0.0321%

- American Herbal Pharmacopoeia. (2014). *Cannabis Inflorescence: Standards of Identity, Analysis, and Quality Control*. Washington DC: AHP.
- US Food and Drug Administration. (2019). *Lead in Food, Foodwares, and Dietary Supplements*. Washington DC: FDA. US Food and Drug Administration. (2019). *Lead in Food, Foodwares, and Dietary Supplements*. Washington DC: FDA.



Customer: Etz Hayim Holdings
Product identity: BJ47(A) HPTN.FVM Top
Client/Metric ID: .
Laboratory ID: 19-013390-0001

Sample Date: 11/01/19 11:00

Summary

Potency:

Analyte per 1ml	Result	Limits	Units	Status	
CBC per 1ml†	2.20		mg/1ml		CBD-Total per 1ml 53.5 mg/1ml
CBD per 1ml	53.5		mg/1ml		
CBDV per 1ml†	0.263		mg/1ml		THC-Total per 1ml 1.92 mg/1ml
CBG per 1ml†	1.43		mg/1ml		(Reported in milligrams per serving)
CBN per 1ml	0.0867		mg/1ml		
Δ9-THC per 1ml	1.92		mg/1ml		



Customer: Etz Hayim Holdings

Product identity: BJ47(A) HPTN.FVM Top
Client/Metric ID: .
Sample Date: 11/01/19 11:00
Laboratory ID: 19-013390-0001
Relinquished by: ETZHH INC
Temp: 22.3 °C
Serving Size #1: 0.946 g

Sample Results

Potency per 1ml		Batch: 1910202					
Analyte	Result	Limits	Units	LOQ	Analyze	Method	Notes
CBC per 1ml†	2.20		mg/1ml	0.0315	11/08/19	J AOAC 2015 V98-6	
CBC-A per 1ml†	< LOQ		mg/1ml	0.0315	11/08/19	J AOAC 2015 V98-6	
CBC-Total per 1ml†	2.20		mg/1ml	0.0592	11/08/19	J AOAC 2015 V98-6	
CBD per 1ml	53.5		mg/1ml	0.0315	11/08/19	J AOAC 2015 V98-6	
CBD-A per 1ml	< LOQ		mg/1ml	0.0315	11/08/19	J AOAC 2015 V98-6	
CBD-Total per 1ml	53.5		mg/1ml	0.0592	11/08/19	J AOAC 2015 V98-6	
CBDV per 1ml†	0.263		mg/1ml	0.0315	11/08/19	J AOAC 2015 V98-6	
CBDV-A per 1ml†	< LOQ		mg/1ml	0.0315	11/08/19	J AOAC 2015 V98-6	
CBDV-Total per 1ml†	0.263		mg/1ml	0.0588	11/08/19	J AOAC 2015 V98-6	
CBG per 1ml†	1.43		mg/1ml	0.0315	11/08/19	J AOAC 2015 V98-6	
CBG-A per 1ml†	< LOQ		mg/1ml	0.0315	11/08/19	J AOAC 2015 V98-6	
CBG-Total per 1ml†	1.43		mg/1ml	0.0592	11/08/19	J AOAC 2015 V98-6	
CBL per 1ml†	< LOQ		mg/1ml	0.0315	11/08/19	J AOAC 2015 V98-6	
CBN per 1ml	0.0867		mg/1ml	0.0315	11/08/19	J AOAC 2015 V98-6	
Δ8-THC per 1ml†	< LOQ		mg/1ml	0.0315	11/08/19	J AOAC 2015 V98-6	
Δ9-THC per 1ml	1.92		mg/1ml	0.0315	11/08/19	J AOAC 2015 V98-6	
THC-A per 1ml	< LOQ		mg/1ml	0.0315	11/08/19	J AOAC 2015 V98-6	
THC-Total per 1ml	1.92		mg/1ml	0.0592	11/08/19	J AOAC 2015 V98-6	
THCV per 1ml†	< LOQ		mg/1ml	0.0315	11/08/19	J AOAC 2015 V98-6	
THCV-A per 1ml†	< LOQ		mg/1ml	0.0315	11/08/19	J AOAC 2015 V98-6	
THCV-Total per 1ml†	< LOQ		mg/1ml	0.0588	11/08/19	J AOAC 2015 V98-6	



Customer: Etz Hayim Holdings
Product identity: BJ47(A) HPTN.FVM
Client/Metric ID: .
Laboratory ID: 19-013390-0005

Sample Date: 11/01/19 11:00

Summary

Terpenes:

Analyte	Percent by weight	Percent of Total	Analyte	Percent by weight	Percent of Total
farnesene†	0.0891	28.47%	β-Caryophyllene†	0.0726	23.19%
α-Bisabolol†	0.0657	20.99%	Humulene†	0.0321	10.26%
(-)-Guaiol†	0.0320	10.22%	(-)-caryophyllene oxide†	0.0212	6.77%
Total Terpenes†	0.313	100.00%			



Customer: Etz Hayim Holdings

Product identity: BJ47(A) HPTN.FVM

Client/Metric ID: .

Sample Date: 11/01/19 11:00

Laboratory ID: 19-013390-0005

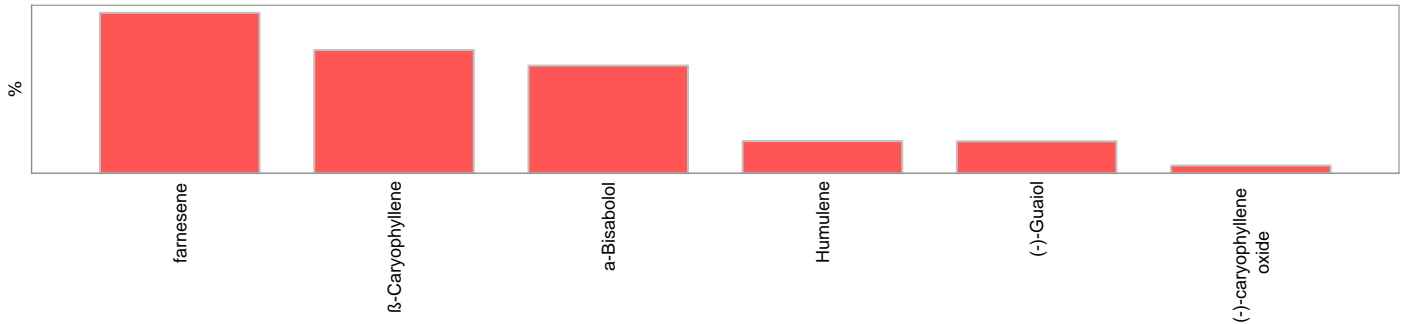
Relinquished by: ETZHH INC

Temp: 22.3 °C

Sample Results



Terpenes				Method J AOAC 2015 V98-6	Units %	Batch 1910300	Analyze 11/12/19 01:57 PM		
Analyte	Result	LOQ	% of Total	Notes	Analyte	Result	LOQ	% of Total	Notes
farnesene [†]	0.0891	0.020	28.47%		β-Caryophyllene [†]	0.0726	0.020	23.19%	
α-Bisabolol [†]	0.0657	0.020	20.99%		Humulene [†]	0.0321	0.020	10.26%	
(-)-Guaiaol [†]	0.0320	0.020	10.22%		(-)-caryophyllene oxide [†]	0.0212	0.020	6.77%	
(-)-α-Terpineol [†]	< LOQ	0.020	0.00%		(-)-Isopulegol [†]	< LOQ	0.020	0.00%	
(-)-β-Pinene [†]	< LOQ	0.020	0.00%		(+)-Borneol [†]	< LOQ	0.020	0.00%	
(+)-Cedrol [†]	< LOQ	0.020	0.00%		(+)-fenchol [†]	< LOQ	0.020	0.00%	
(+)-Pulegone [†]	< LOQ	0.020	0.00%		(±)-Camphor [†]	< LOQ	0.020	0.00%	
(±)-cis-Nerolidol [†]	< LOQ	0.020	0.00%		(±)-fenchone [†]	< LOQ	0.020	0.00%	
(±)-trans-Nerolidol [†]	< LOQ	0.020	0.00%		(R)-(+)-Limonene [†]	< LOQ	0.020	0.00%	
α-cedrene [†]	< LOQ	0.020	0.00%		α-phellandrene [†]	< LOQ	0.020	0.00%	
α-pinene [†]	< LOQ	0.020	0.00%		α-Terpinene [†]	< LOQ	0.020	0.00%	
Camphene [†]	< LOQ	0.020	0.00%		cis-β-Ocimene [†]	< LOQ	0.006	0.00%	
d-3-Carene [†]	< LOQ	0.020	0.00%		Eucalyptol [†]	< LOQ	0.020	0.00%	
γ-Terpinene [†]	< LOQ	0.020	0.00%		Geraniol [†]	< LOQ	0.020	0.00%	
Geranyl acetate [†]	< LOQ	0.020	0.00%		Isoborneol [†]	< LOQ	0.020	0.00%	
Linalool [†]	< LOQ	0.020	0.00%		Menthol [†]	< LOQ	0.020	0.00%	
nerol [†]	< LOQ	0.020	0.00%		p-Cymene [†]	< LOQ	0.020	0.00%	
Sabinene [†]	< LOQ	0.020	0.00%		Sabinene hydrate [†]	< LOQ	0.020	0.00%	
β-Myrcene [†]	< LOQ	0.020	0.00%		Terpinolene [†]	< LOQ	0.020	0.00%	
trans-β-Ocimene [†]	< LOQ	0.013	0.00%		valencene [†]	< LOQ	0.020	0.00%	
Total Terpenes	0.313								





12423 NE Whitaker Way
Portland, OR 97230
503-254-1794



Report Number: 19-013390/D04.R00
Report Date: 11/15/2019
ORELAP#: OR100028
Purchase Order:
Received: 11/01/19 15:15

Customer: Etz Hayim Holdings
Product identity: BJ47(A) HPTN.FVM
Client/Metric ID: .
Laboratory ID: 19-013390-0004

Sample Date: 11/01/19 11:00

Summary

Pesticides:

All analytes passing and less than LOQ.



Customer: Etz Hayim Holdings

Product identity: BJ47(A) HPTN.FVM

Client/Metric ID: .

Sample Date: 11/01/19 11:00

Laboratory ID: 19-013390-0004

Relinquished by: ETZHH INC

Temp: 22.3 °C

Sample Results

Pesticides		Method AOAC 2007.01 & EN 15662 (mod)				Units mg/kg	Batch 1910320	Analyze 11/12/19 05:04 PM			
Analyte	Result	Limits	LOQ	Status	Notes	Analyte	Result	Limits	LOQ	Status	Notes
Abamectin	< LOQ	0.50	0.250	pass		Acephate	< LOQ	0.40	0.250	pass	
Acequinocyl	< LOQ	2.0	1.00	pass		Acetamiprid	< LOQ	0.20	0.100	pass	
Aldicarb	< LOQ	0.40	0.200	pass		Azoxystrobin	< LOQ	0.20	0.100	pass	
Bifenazate	< LOQ	0.20	0.100	pass		Bifenthrin	< LOQ	0.20	0.100	pass	
Boscalid	< LOQ	0.40	0.200	pass		Carbaryl	< LOQ	0.20	0.100	pass	
Carbofuran	< LOQ	0.20	0.100	pass		Chlorantraniliprole	< LOQ	0.20	0.100	pass	
Chlorfenapyr	< LOQ	1.0	0.500	pass		Chlorpyrifos	< LOQ	0.20	0.100	pass	
Clofentezine	< LOQ	0.20	0.100	pass		Cyfluthrin	< LOQ	1.0	0.500	pass	
Cypermethrin	< LOQ	1.0	0.500	pass		Daminozide	< LOQ	1.0	0.500	pass	
Diazinon	< LOQ	0.20	0.100	pass		Dichlorvos	< LOQ	1.0	0.500	pass	
Dimethoate	< LOQ	0.20	0.100	pass		Ethoprophos	< LOQ	0.20	0.100	pass	
Etofenprox	< LOQ	0.40	0.200	pass		Etoazole	< LOQ	0.20	0.100	pass	
Fenoxycarb	< LOQ	0.20	0.100	pass		Fenpyroximate	< LOQ	0.40	0.200	pass	
Fipronil	< LOQ	0.40	0.200	pass		Fonicamid	< LOQ	1.0	0.400	pass	
Fludioxonil	< LOQ	0.40	0.200	pass		Hexythiazox	< LOQ	1.0	0.400	pass	
Imazalil	< LOQ	0.20	0.100	pass		Imidacloprid	< LOQ	0.40	0.200	pass	
Kresoxim-methyl	< LOQ	0.40	0.200	pass		Malathion	< LOQ	0.20	0.100	pass	
Metalaxyl	< LOQ	0.20	0.100	pass		Methiocarb	< LOQ	0.20	0.100	pass	
Methomyl	< LOQ	0.40	0.200	pass		MGK-264	< LOQ	0.20	0.100	pass	
Myclobutanil	< LOQ	0.20	0.100	pass		Naled	< LOQ	0.50	0.250	pass	
Oxamyl	< LOQ	1.0	0.500	pass		Paclobutrazole	< LOQ	0.40	0.200	pass	
Parathion-Methyl	< LOQ	0.20	0.200	pass		Permethrin	< LOQ	0.20	0.100	pass	
Phosmet	< LOQ	0.20	0.100	pass		Piperonyl butoxide	< LOQ	2.0	1.00	pass	
Prallethrin	< LOQ	0.20	0.200	pass		Propiconazole	< LOQ	0.40	0.200	pass	
Propoxur	< LOQ	0.20	0.100	pass		Pyrethrin I (total)	< LOQ	1.0	0.500	pass	
Pyridaben	< LOQ	0.20	0.100	pass		Spinosad	< LOQ	0.20	0.100	pass	
Spiromesifen	< LOQ	0.20	0.100	pass		Spirotetramat	< LOQ	0.20	0.100	pass	
Spiroxamine	< LOQ	0.40	0.200	pass		Tebuconazole	< LOQ	0.40	0.200	pass	
Thiacloprid	< LOQ	0.20	0.100	pass		Thiamethoxam	< LOQ	0.20	0.100	pass	
Trifloxystrobin	< LOQ	0.20	0.100	pass							



12423 NE Whitaker Way
Portland, OR 97230
503-254-1794



Report Number: 19-013390/D08.R00
Report Date: 11/15/2019
ORELAP#: OR100028
Purchase Order:
Received: 11/01/19 15:15

Customer: Etz Hayim Holdings
Product identity: BJ47(A) HPTN.FVM
Client/Metric ID: .
Laboratory ID: 19-013390-0008

Sample Date: 11/01/19 11:00

Summary

Metals:

Less than LOQ for all analytes.



Customer: Etz Hayim Holdings

Product identity: BJ47(A) HPTN.FVM

Client/Metric ID: .

Sample Date: 11/01/19 11:00

Laboratory ID: 19-013390-0008

Relinquished by: ETZHH INC

Temp: 22.3 °C

Sample Results

Metals								
Analyte	Result	Limits	Units	LOQ	Batch	Analyze	Method	Notes
Arsenic	< LOQ		mg/kg	0.0486	1910386	11/13/19	AOAC 2013.06 (mod.)	X
Cadmium	< LOQ		mg/kg	0.0486	1910386	11/13/19	AOAC 2013.06 (mod.)	X
Lead	< LOQ		mg/kg	0.0486	1910386	11/13/19	AOAC 2013.06 (mod.)	X
Mercury	< LOQ		mg/kg	0.0243	1910386	11/13/19	AOAC 2013.06 (mod.)	X