



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 ⁷	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.



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



Report Number: 19-013390/D01.R00
Report Date: 11/08/2019
ORELAP#: OR100028
Purchase Order:
Received: 11/01/19 15:15

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		

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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	

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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%			

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Testing in accordance with:



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



Report Number: 19-013390/D05.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: .
Sample Date: 11/01/19 11:00
Laboratory ID: 19-013390-0005
Relinquished by: ETZHH INC
Temp: 22.3 °C

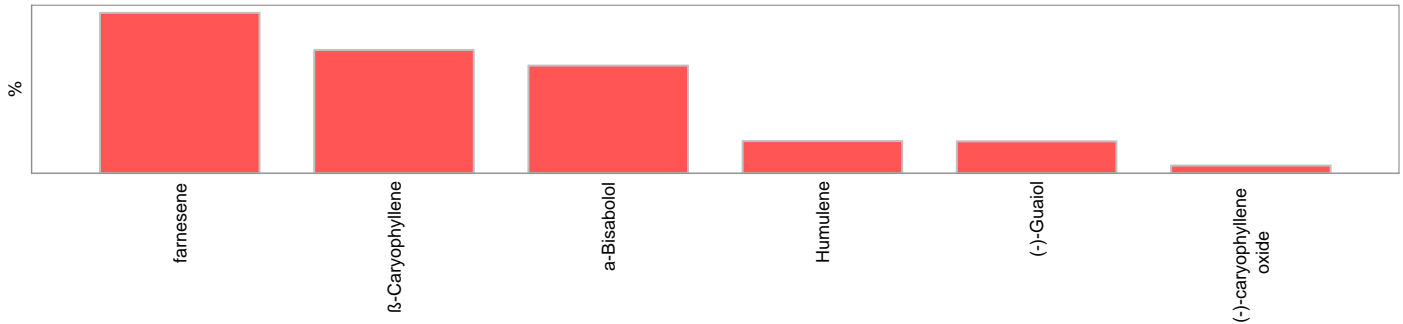
Sample Results

Test results relate only to the parameters tested and to the samples as received by the laboratory. Test results meet all requirements of NELAP and the Pixis quality assurance plan unless otherwise noted. This report shall not be reproduced, except in full, without the written consent of this laboratory. Samples will be retained for a maximum of 30 days from the receipt date unless prior arrangements have been made.

Testing in accordance with:



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								



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Testing in accordance with:



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.

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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		Etoxazole	< 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							

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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.

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Testing in accordance with:



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: .

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

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