



<b>HPTN BJ76(A)</b>		NR: Not Reported NA: Not Available LOQ: Limit Of Quantitation LOD: Limit Of Detection 1 g = 10 <sup>3</sup> kg = 10 <sup>3</sup> mg = 10 <sup>6</sup> µg 1 mg/kg = 1 ppm = 1000 ppb
<b>HIGH POTENCY TINCTURE</b>	Serving Size: 1 ml	
Pixis Labs	Oregon Accreditation: OR100028	

POTENCY	PER SERVING	PER GRAM	REGULATORY ACTION LEVEL
Cannabidiol (CBD)	52.0 mg/serving	55.94 mg/g	N/A
Total THC (d9-THC + d8-THC)	1.96 mg/serving	2.11 mg/g	3 mg/g
Cannabigerol (CBG)	1.28 mg/serving	1.38 mg/g	N/A
Cannabinol (CBN)	0.09 mg/serving	0.10 mg/g	N/A
Cannabichromene (CBC)	2.24 mg/serving	2.41 mg/g	N/A

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

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

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

TERPENES	% OF SAMPLE
Farnesene	0.0793 %
β-Caryophyllene	0.0659 %
α-Bisabolol	0.0547 %

TERPENES	% OF SAMPLE
Guaiol	0.0325 %
Humulene	0.0325 %

1. American Herbal Pharmacopoeia. (2014). *Cannabis Inflorescence: Standards of Identity, Analysis, and Quality Control*. Washington DC: AHP.

2. 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:** BJ76(A) HPTN Middle  
**Client/Metric ID:** .  
**Laboratory ID:** 19-013677-0002

**Sample Date:** 11/07/19 14:00

**Summary**

**Potency:**

Analyte per 1ml	Result	Limits	Units	Status	
					CBD-Total per 1ml 52.0 mg/1ml
CBC per 1ml <sup>†</sup>	2.24		mg/1ml		
CBD per 1ml	52.0		mg/1ml		THC-Total per 1ml 1.96 mg/1ml
CBD-A per 1ml	0.0426		mg/1ml		
CBDV per 1ml <sup>†</sup>	0.316		mg/1ml		
CBG per 1ml <sup>†</sup>	1.28		mg/1ml		
CBL per 1ml <sup>†</sup>	0.0726		mg/1ml		
CBN per 1ml	0.0911		mg/1ml		
Δ9-THC per 1ml	1.96		mg/1ml		



**Customer:** Etz Hayim Holdings

**Product identity:** BJ76(A) HPTN Middle  
**Client/Metric ID:** .  
**Sample Date:** 11/07/19 14:00  
**Laboratory ID:** 19-013677-0002  
**Relinquished by:** ETZHH INC  
**Temp:** 21.9 °C  
**Serving Size #1:** 0.93 g

### Sample Results

Potency per 1ml		Batch: 1910418					
Analyte	Result	Limits	Units	LOQ	Analyze	Method	Notes
CBC- <del>per</del> {  †	2.24		mg/F{	0.0310	11/15/19	J AOAC 2015 V98-6	
CBC-A- <del>per</del> {  †	< LOQ		mg/F{	0.0310	11/15/19	J AOAC 2015 V98-6	
CBC-Total <del>per</del> {  †	2.24		mg/F{	0.0582	11/15/19	J AOAC 2015 V98-6	
CBD <del>per</del> {	52.0		mg/F{	0.0310	11/15/19	J AOAC 2015 V98-6	
CBD-A <del>per</del> {  Á	0.0426		mg/F{	0.0310	11/15/19	J AOAC 2015 V98-6	
CBD-Total <del>per</del> {  Á	52.0		mg/F{	0.0582	11/15/19	J AOAC 2015 V98-6	
CBDV <del>per</del> {  †	0.316		mg/F{	0.0310	11/15/19	J AOAC 2015 V98-6	
CBDV-A <del>per</del> {  †	< LOQ		mg/F{	0.0310	11/15/19	J AOAC 2015 V98-6	
CBDV-Total <del>per</del> {  †	0.316		mg/F{	0.0578	11/15/19	J AOAC 2015 V98-6	
CBG <del>per</del> {  †	1.28		mg/F{	0.0310	11/15/19	J AOAC 2015 V98-6	
CBG-A <del>per</del> {  †	< LOQ		mg/F{	0.0310	11/15/19	J AOAC 2015 V98-6	
CBG-Total <del>per</del> {  †	1.28		mg/F{	0.0582	11/15/19	J AOAC 2015 V98-6	
CBL <del>per</del> {  †	0.0726		mg/F{	0.0310	11/15/19	J AOAC 2015 V98-6	
CBN <del>per</del> {	0.0911		mg/F{	0.0310	11/15/19	J AOAC 2015 V98-6	
Δ8-THC <del>per</del> {  †	< LOQ		mg/F{	0.0310	11/15/19	J AOAC 2015 V98-6	
Δ9-THC <del>per</del> {  Á	1.96		mg/F{	0.0310	11/15/19	J AOAC 2015 V98-6	
THC-A <del>per</del> {  Á	< LOQ		mg/F{	0.0310	11/15/19	J AOAC 2015 V98-6	
THC-Total <del>per</del> {  Á	1.96		mg/F{	0.0582	11/15/19	J AOAC 2015 V98-6	
THCV <del>per</del> {  †	< LOQ		mg/F{	0.0310	11/15/19	J AOAC 2015 V98-6	
THCV-A <del>per</del> {  †	< LOQ		mg/F{	0.0310	11/15/19	J AOAC 2015 V98-6	
THCV-Total <del>per</del> {  †	< LOQ		mg/F{	0.0578	11/15/19	J AOAC 2015 V98-6	



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



**Report Number:** 19-013677/D08.R00  
**Report Date:** 11/21/2019  
**ORELAP#:** OR100028  
**Purchase Order:**  
**Received:** 11/08/19 16:40

**Customer:** Etz Hayim Holdings  
**Product identity:** BJ76(A) HPTN  
**Client/Metric ID:** .  
**Laboratory ID:** 19-013677-0008

**Sample Date:** 11/07/19 14:00

### Summary

**Metals:**

*Less than LOQ for all analytes.*



**Customer:** Etz Hayim Holdings

**Product identity:** BJ76(A) HPTN  
**Client/Metric ID:** .  
**Sample Date:** 11/07/19 14:00  
**Laboratory ID:** 19-013677-0008  
**Relinquished by:** ETZHH INC  
**Temp:** 21.9 °C

### Sample Results

Metals								
Analyte	Result	Limits	Units	LOQ	Batch	Analyze	Method	Notes
Arsenic	< LOQ		mg/kg	0.0420	1910522	11/18/19	AOAC 2013.06 (mod.)	X
Cadmium	< LOQ		mg/kg	0.0420	1910522	11/18/19	AOAC 2013.06 (mod.)	X
Lead	< LOQ		mg/kg	0.0420	1910522	11/18/19	AOAC 2013.06 (mod.)	X
Mercury	< LOQ		mg/kg	0.0210	1910522	11/18/19	AOAC 2013.06 (mod.)	X



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



**Report Number:** 19-013677/D04.R00  
**Report Date:** 11/21/2019  
**ORELAP#:** OR100028  
**Purchase Order:**  
**Received:** 11/08/19 16:40

**Customer:** Etz Hayim Holdings  
**Product identity:** BJ76(A) HPTN  
**Client/Metric ID:** .  
**Laboratory ID:** 19-013677-0004

**Sample Date:** 11/07/19 14:00

### Summary

-----  
**Pesticides:**

*All analytes passing and less than LOQ.*



**Customer:** Etz Hayim Holdings

**Product identity:** BJ76(A) HPTN  
**Client/Metric ID:** .  
**Sample Date:** 11/07/19 14:00  
**Laboratory ID:** 19-013677-0004  
**Relinquished by:** ETZHH INC  
**Temp:** 21.9 °C

### Sample Results

**Pesticides**      **Method** AOAC 2007.01 & EN 15662 (mod)      **Units** mg/kg      **Batch** 1910570      **Analyze** 11/20/19 08:34 AM

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							



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



**Report Number:** 19-013677/D09.R00  
**Report Date:** 11/21/2019  
**ORELAP#:** OR100028  
**Purchase Order:**  
**Received:** 11/08/19 16:40

**Customer:** Etz Hayim Holdings  
**Product identity:** BJ76(A) HPTN  
**Client/Metric ID:** .  
**Laboratory ID:** 19-013677-0009

**Sample Date:** 11/07/19 14:00

### Summary

-----  
**Residual Solvents:**

*All analytes passing and less than LOQ.*





**Customer:** Etz Hayim Holdings

**Product identity:** BJ76(A) HPTN  
**Client/Metric ID:** .  
**Sample Date:** 11/07/19 14:00  
**Laboratory ID:** 19-013677-0009  
**Relinquished by:** ETZHH INC  
**Temp:** 21.9 °C

### Sample Results

Solvents					Method EPA5021A	Units µg/g	Batch 1910616	Analyze 11/21/19 01:19 PM			
Analyte	Result	Limits	LOQ	Status	Notes	Analyte	Result	Limits	LOQ	Status	Notes
1,4-Dioxane	< LOQ	380	100	pass		2-Butanol	< LOQ	5000	200	pass	
2-Ethoxyethanol	< LOQ	160	30.0	pass		2-Methylbutane	< LOQ		200		
2-Methylpentane	< LOQ		30.0			2-Propanol (IPA)	< LOQ	5000	200	pass	
2,2-Dimethylbutane	< LOQ		30.0			2,2-Dimethylpropane	< LOQ		200		
2,3-Dimethylbutane	< LOQ		30.0			3-Methylpentane	< LOQ		30.0		
Acetone	< LOQ	5000	200	pass		Acetonitrile	< LOQ	410	100	pass	
Benzene	< LOQ	2.00	1.00	pass		Butanes (sum)	< LOQ	5000	400	pass	
Cyclohexane	< LOQ	3880	200	pass		Ethanol <sup>l</sup>	< LOQ		200		
Ethyl acetate	< LOQ	5000	200	pass		Ethyl benzene	< LOQ		200		
Ethyl ether	< LOQ	5000	200	pass		Ethylene glycol	< LOQ	620	200	pass	
Ethylene oxide	< LOQ	50.0	30.0	pass		Hexanes (sum)	< LOQ	290	150	pass	
Isopropyl acetate	< LOQ	5000	200	pass		Isopropylbenzene	< LOQ	70.0	30.0	pass	
m,p-Xylene	< LOQ		200			Methanol	< LOQ	3000	200	pass	
Methylene chloride	< LOQ	600	200	pass		Methylpropane	< LOQ		200		
n-Butane	< LOQ		200			n-Heptane	< LOQ	5000	200	pass	
n-Hexane	< LOQ		30.0			n-Pentane	< LOQ		200		
o-Xylene	< LOQ		200			Pentanes (sum)	< LOQ	5000	600	pass	
Propane	< LOQ	5000	200	pass		Tetrahydrofuran	< LOQ	720	100	pass	
Toluene	< LOQ	890	100	pass		Total Xylenes	< LOQ		400		
Total Xylenes and Ethyl	< LOQ	2170	600	pass							



**Customer:** Etz Hayim Holdings  
**Product identity:** BJ76(A) HPTN  
**Client/Metric ID:** .  
**Laboratory ID:** 19-013677-0007

**Sample Date:** 11/07/19 14:00

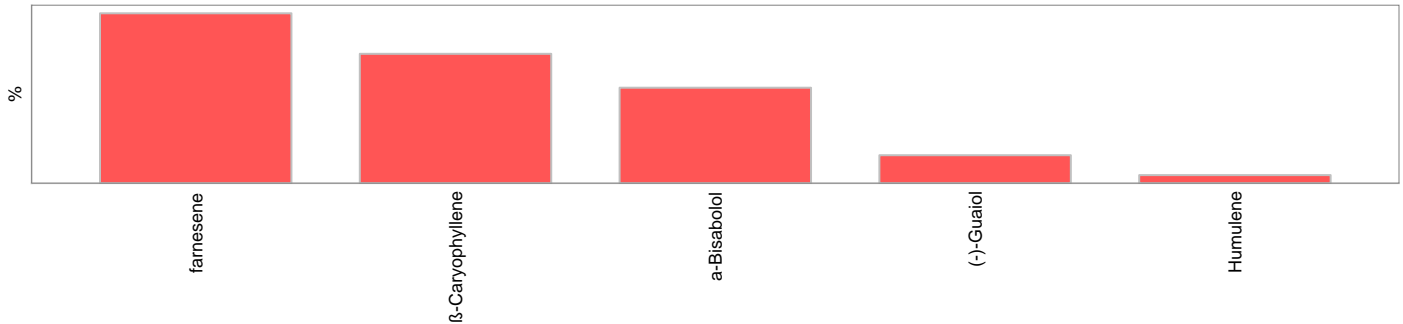
**Summary**

**Terpenes:**

Analyte	Percent by weight	Percent of Total	Analyte	Percent by weight	Percent of Total
farnesene†	0.0793	30.74%	β-Caryophyllene†	0.0659	25.54%
α-Bisabolol†	0.0547	21.20%	(-)-Guaiol†	0.0325	12.60%
Humulene†	0.0259	10.04%	<b>Total Terpenes†</b>	<b>0.258</b>	<b>100.00%</b>



Terpenes				Method J AOAC 2015 V98-6	Units %	Batch 1910600	Analyze 11/20/19 02:58 PM		
Analyte	Result	LOQ	% of Total	Notes	Analyte	Result	LOQ	% of Total	Notes
farnesene <sup>†</sup>	0.0793	0.020	30.74%		β-Caryophyllene <sup>†</sup>	0.0659	0.020	25.54%	
α-Bisabolol <sup>†</sup>	0.0547	0.020	21.20%		(-)-Guaial <sup>†</sup>	0.0325	0.020	12.60%	
Humulene <sup>†</sup>	0.0259	0.020	10.04%		(-)-caryophyllene oxide <sup>†</sup>	< LOQ	0.020	0.00%	
(±)-trans-Nerolidol <sup>†</sup>	< LOQ	0.020	0.00%		(-)-α-Terpineol <sup>†</sup>	< LOQ	0.020	0.00%	
(-)-Isopulegol <sup>†</sup>	< LOQ	0.020	0.00%		(-)-β-Pinene <sup>†</sup>	< LOQ	0.020	0.00%	
(+)-Borneol <sup>†</sup>	< LOQ	0.020	0.00%		(+)-Cedrol <sup>†</sup>	< LOQ	0.020	0.00%	
(+)-fenchol <sup>†</sup>	< LOQ	0.020	0.00%		(+)-Pulegone <sup>†</sup>	< LOQ	0.020	0.00%	
(±)-Camphor <sup>†</sup>	< LOQ	0.020	0.00%		(±)-cis-Nerolidol <sup>†</sup>	< LOQ	0.020	0.00%	
(±)-fenchone <sup>†</sup>	< LOQ	0.020	0.00%		(R)-(+)-Limonene <sup>†</sup>	< LOQ	0.020	0.00%	
α-cedrene <sup>†</sup>	< LOQ	0.020	0.00%		α-phellandrene <sup>†</sup>	< LOQ	0.020	0.00%	
α-pinene <sup>†</sup>	< LOQ	0.020	0.00%		α-Terpinene <sup>†</sup>	< LOQ	0.020	0.00%	
Camphene <sup>†</sup>	< LOQ	0.020	0.00%		cis-β-Ocimene <sup>†</sup>	< LOQ	0.006	0.00%	
d-3-Carene <sup>†</sup>	< LOQ	0.020	0.00%		Eucalyptol <sup>†</sup>	< LOQ	0.020	0.00%	
γ-Terpinene <sup>†</sup>	< LOQ	0.020	0.00%		Geraniol <sup>†</sup>	< LOQ	0.020	0.00%	
Geranyl acetate <sup>†</sup>	< LOQ	0.020	0.00%		Isoborneol <sup>†</sup>	< LOQ	0.020	0.00%	
Linalool <sup>†</sup>	< LOQ	0.020	0.00%		Menthol <sup>†</sup>	< LOQ	0.020	0.00%	
nerol <sup>†</sup>	< LOQ	0.020	0.00%		p-Cymene <sup>†</sup>	< LOQ	0.020	0.00%	
Sabinene <sup>†</sup>	< LOQ	0.020	0.00%		Sabinene hydrate <sup>†</sup>	< LOQ	0.020	0.00%	
β-Myrcene <sup>†</sup>	< LOQ	0.020	0.00%		Terpinolene <sup>†</sup>	< LOQ	0.020	0.00%	
trans-β-Ocimene <sup>†</sup>	< LOQ	0.013	0.00%		valencene <sup>†</sup>	< LOQ	0.020	0.00%	
<b>Total Terpenes</b>	<b>0.258</b>								





<span style="color: red;">■</span> farnesene	30.74 %
<span style="color: blue;">■</span> β-Caryophyllene	25.54 %
<span style="color: green;">■</span> α-Bisabolol	21.20 %
<span style="color: yellow;">■</span> (-)-Guaiol	12.60 %
<span style="color: magenta;">■</span> Humulene	10.04 %