



<b>HPTN BH78</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)	50.46 mg/serving	54.2 mg/g	N/A
Total THC (d9-THC + d8-THC)	2.07 mg/serving	2.22 mg/g	3 mg/g
Cannabigerol (CBG)	1.37 mg/serving	1.47 mg/g	N/A
Cannabinol (CBN)	0.13 mg/serving	0.14 mg/g	N/A
Cannabichromene (CBC)	2.60 mg/serving	2.79 mg/g	N/A

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

TERPENES	PER SERVING
a-Bisabolol	0.035 mg/g
β-Caryophyllene	0.022 mg/g

TERPENES	PER SERVING

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.



This report cannot be used for ODA, OHA or OLCC compliance requirements.

**Product identity:** BH78 HPTN Middle  
**Laboratory ID:** 19-010539-0002

**Client/Metric ID:** .  
**Sample Date:** 08/30/19

**Summary**

**Potency:**

Analyte per 1ml	Result	Limits	Units	LOQ	
CBC per 1ml <sup>†</sup>	2.79		mg/1ml	0.03	CBD-Total per 1ml 54.2 mg/1ml
CBD per 1ml	54.2		mg/1ml	0.03	
CBDV per 1ml <sup>†</sup>	0.367		mg/1ml	0.03	THC-Total per 1ml 2.22 mg/1ml
CBG per 1ml <sup>†</sup>	1.47		mg/1ml	0.03	(Reported in milligrams per serving)
CBN per 1ml	0.138		mg/1ml	0.03	
Δ9-THC per 1ml	2.22		mg/1ml	0.03	



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**Customer:** Etz Hayim Holdings

**Product identity:** BH78 HPTN Middle

**Client/Metric ID:** .

**Sample Date:** 08/30/19

**Laboratory ID:** 19-010539-0002

**Relinquished by:** Received By Mail

**Temp:** 23.8 °C

**Serving Size #1:** 0.931 g

### Sample Results

Potency per 1ml		Batch: 1908003					
Analyte	Result	Limits	Units	LOQ	Analyze	Method	Notes
CBC per 1ml <sup>†</sup>	2.79		mg/1ml	0.0310	09/05/19	J AOAC 2015 V98-6	
CBC-A per 1ml <sup>†</sup>	< LOQ		mg/1ml	0.0310	09/05/19	J AOAC 2015 V98-6	
CBC-Total per 1ml <sup>†</sup>	2.79		mg/1ml	0.0583	09/05/19	J AOAC 2015 V98-6	
CBD per 1ml	54.2		mg/1ml	0.0310	09/05/19	J AOAC 2015 V98-6	
CBD-A per 1ml	< LOQ		mg/1ml	0.0310	09/05/19	J AOAC 2015 V98-6	
CBD-Total per 1ml	54.2		mg/1ml	0.0583	09/05/19	J AOAC 2015 V98-6	
CBDV per 1ml <sup>†</sup>	0.367		mg/1ml	0.0310	09/05/19	J AOAC 2015 V98-6	
CBDV-A per 1ml <sup>†</sup>	< LOQ		mg/1ml	0.0310	09/05/19	J AOAC 2015 V98-6	
CBDV-Total per 1ml <sup>†</sup>	0.367		mg/1ml	0.0579	09/05/19	J AOAC 2015 V98-6	
CBG per 1ml <sup>†</sup>	1.47		mg/1ml	0.0310	09/05/19	J AOAC 2015 V98-6	
CBG-A per 1ml <sup>†</sup>	< LOQ		mg/1ml	0.0310	09/05/19	J AOAC 2015 V98-6	
CBG-Total per 1ml <sup>†</sup>	1.47		mg/1ml	0.0583	09/05/19	J AOAC 2015 V98-6	
CBL per 1ml <sup>†</sup>	< LOQ		mg/1ml	0.0310	09/05/19	J AOAC 2015 V98-6	
CBN per 1ml	0.138		mg/1ml	0.0310	09/05/19	J AOAC 2015 V98-6	
Δ8-THC per 1ml <sup>†</sup>	< LOQ		mg/1ml	0.0310	09/05/19	J AOAC 2015 V98-6	
Δ9-THC per 1ml	2.22		mg/1ml	0.0310	09/05/19	J AOAC 2015 V98-6	
THC-A per 1ml	< LOQ		mg/1ml	0.0310	09/05/19	J AOAC 2015 V98-6	
THC-Total per 1ml	2.22		mg/1ml	0.0583	09/05/19	J AOAC 2015 V98-6	
THCV per 1ml <sup>†</sup>	< LOQ		mg/1ml	0.0310	09/05/19	J AOAC 2015 V98-6	
THCV-A per 1ml <sup>†</sup>	< LOQ		mg/1ml	0.0310	09/05/19	J AOAC 2015 V98-6	
THCV-Total per 1ml <sup>†</sup>	< LOQ		mg/1ml	0.0579	09/05/19	J AOAC 2015 V98-6	



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



**Job Number:** 19-010539  
**Report Number:** 19-010539-00  
**Report Date:** 09/20/2019  
**ORELAP#:** OR100028  
**Purchase Order:**  
**Received:** 09/03/19 10:40

This report cannot be used for ODA, OHA or OLCC compliance requirements.

**Product identity:** BH78 HPTN  
**Laboratory ID:** 19-010539-0008

**Client/Metric ID:** .  
**Sample Date:** 08/30/19

### Summary

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**Metals:**

Less than LOQ for all analytes.



This report cannot be used for ODA, OHA or OLCC compliance requirements.

**Customer:** Etz Hayim Holdings  
  
**Product identity:** BH78 HPTN  
**Client/Metric ID:** .  
**Sample Date:** 08/30/19  
**Laboratory ID:** 19-010539-0008  
**Relinquished by:** Received By Mail  
**Temp:** 23.8 °C

### Sample Results

Metals								
Analyte	Result	Limits	Units	LOQ	Batch	Analyze	Method	Notes
Arsenic	< LOQ		mg/kg	0.0484	1908223	09/12/19	AOAC 2013.06 (mod.)	X
Cadmium	< LOQ		mg/kg	0.0484	1908223	09/12/19	AOAC 2013.06 (mod.)	X
Lead	< LOQ		mg/kg	0.0484	1908223	09/12/19	AOAC 2013.06 (mod.)	X
Mercury	< LOQ		mg/kg	0.0242	1908240	09/12/19	AOAC 2013.06 (mod.)	X



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**Job Number:** 19-010539  
**Report Number:** 19-010539-00  
**Report Date:** 09/20/2019  
**ORELAP#:** OR100028  
**Purchase Order:**  
**Received:** 09/03/19 10:40

This report cannot be used for ODA, OHA or OLCC compliance requirements.

**Product identity:** BH78 HPTN  
**Laboratory ID:** 19-010539-0004

**Client/Metric ID:** .  
**Sample Date:** 08/30/19

### Summary

**Pesticides:**

*All analytes passing and less than LOQ.*



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**Customer:** Etz Hayim Holdings  
  
**Product identity:** BH78 HPTN  
**Client/Metric ID:** .  
**Sample Date:** 08/30/19  
**Laboratory ID:** 19-010539-0004  
**Relinquished by:** Received By Mail  
**Temp:** 23.8 °C

### Sample Results

Pesticides											
Method AOAC 2007.01 & EN 15662 (mod) Units mg/kg Batch 1908239 Analyze 09/13/19 11:42 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	0.100	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 (incl.	< 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		Paclotrazole	< 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	0.100	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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**Job Number:** 19-010539  
**Report Number:** 19-010539-00  
**Report Date:** 09/20/2019  
**ORELAP#:** OR100028  
**Purchase Order:**  
**Received:** 09/03/19 10:40

This report cannot be used for ODA, OHA or OLCC compliance requirements.

**Product identity:** BH78 HPTN  
**Laboratory ID:** 19-010539-0006

**Client/Metric ID:** .  
**Sample Date:** 08/30/19

### Summary

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**Microbiology:**

Less than LOQ for all analytes.





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**Customer:** Etz Hayim Holdings  
  
**Product identity:** BH78 HPTN  
**Client/Metric ID:** .  
**Sample Date:** 08/30/19  
**Laboratory ID:** 19-010539-0006  
**Relinquished by:** Received By Mail  
**Temp:** 23.8 °C

### Sample Results

Microbiology								
Analyte	Result	Limits	Units	LOQ	Batch	Analyze	Method	Notes
Mold (RAPID Petrifilm)	< LOQ		cfu/g	10	1908145	09/13/19	AOAC 2014.05 (RAPID)	X
Yeast (RAPID Petrifilm)	< LOQ		cfu/g	10	1908145	09/13/19	AOAC 2014.05 (RAPID)	X



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**Job Number:** 19-010539  
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**Report Date:** 09/20/2019  
**ORELAP#:** OR100028  
**Purchase Order:**  
**Received:** 09/03/19 10:40

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**Product identity:** BH78 HPTN  
**Laboratory ID:** 19-010539-0007

**Client/Metric ID:** .  
**Sample Date:** 08/30/19

### Summary

**Microbiology:**

*Less than LOQ for all analytes.*



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**Customer:** Etz Hayim Holdings  
  
**Product identity:** BH78 HPTN  
**Client/Metric ID:** .  
**Sample Date:** 08/30/19  
**Laboratory ID:** 19-010539-0007  
**Relinquished by:** Received By Mail  
**Temp:** 23.8 °C

### Sample Results

Microbiology								
Analyte	Result	Limits	Units	LOQ	Batch	Analyze	Method	Notes
E.coli	< LOQ		cfu/g	10	1908148	09/13/19	AOAC 991.14 (Petrifilm)	X
Total Coliforms	< LOQ		cfu/g	10	1908148	09/13/19	AOAC 991.14 (Petrifilm)	X



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**Product identity:** BH78 HPTN  
**Laboratory ID:** 19-010539-0005

**Client/Metric ID:** .  
**Sample Date:** 08/30/19

**Summary**

**Terpenes:**

Analyte	Percent by weight	Percent of Total	Analyte	Percent by weight	Percent of Total
a-Bisabolol <sup>†</sup>	0.0355	59.66%	β-Caryophyllene <sup>†</sup>	0.0240	40.34%
<b>Total Terpenes<sup>†</sup></b>	<b>0.0595</b>	<b>100.00%</b>			



This report cannot be used for ODA, OHA or OLCC compliance requirements.

**Customer:** Etz Hayim Holdings

**Product identity:** BH78 HPTN

**Client/Metric ID:** .

**Sample Date:** 08/30/19

**Laboratory ID:** 19-010539-0005

**Relinquished by:** Received By Mail

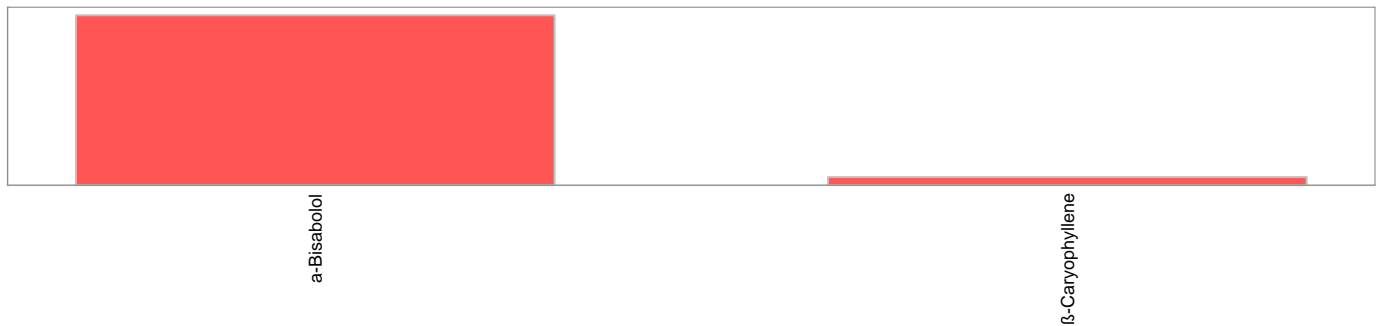
**Temp:** 23.8 °C

## Sample Results



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Terpenes				Method J AOAC 2015 V98-6	Units %	Batch 1908415	Analyze 09/19/19 11:53 AM		
Analyte	Result	LOQ	% of Total	Notes	Analyte	Result	LOQ	% of Total	Notes
a-Bisabolol <sup>†</sup>	0.0355	0.020	59.66%		β-Caryophyllene <sup>†</sup>	0.0240	0.020	40.34%	
(-)-Guaiol <sup>†</sup>	< LOQ	0.020	0.00%		(-)-a-Terpineol <sup>†</sup>	< LOQ	0.020	0.00%	
(-)-caryophyllene oxide <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%	
(±)-trans-Nerolidol <sup>†</sup>	< LOQ	0.020	0.00%		(R)-(+)-Limonene <sup>†</sup>	< LOQ	0.020	0.00%	
a-cedrene <sup>†</sup>	< LOQ	0.020	0.00%		a-phellandrene <sup>†</sup>	< LOQ	0.020	0.00%	
a-pinene <sup>†</sup>	< LOQ	0.020	0.00%		a-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%	
farnesene <sup>†</sup>	< LOQ	0.020	0.00%		gamma-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%	
Humulene <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>0.0595</b>								





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