



<b>HPTN BI37</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)	51.8 mg/serving	55.7 mg/g	N/A
Total THC (d9-THC + d8-THC)	2.05 mg/serving	2.21 mg/g	3 mg/g
Cannabigerol (CBG)	1.26 mg/serving	1.36 mg/g	N/A
Cannabinol (CBN)	0.128 mg/serving	0.138 mg/g	N/A
Cannabichromene (CBC)	2.42 mg/serving	2.60 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	% OF SAMPLE
Farnesene	0.0437 %
a-Bisabolol	0.0376 %
β-Caryophyllene	0.0259 %

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:** BI37 HPTN Top  
**Laboratory ID:** 19-011241-0001

**Client/Metric ID:** .  
**Sample Date:** 09/16/19

**Summary**

**Potency:**

Analyte per 1ml	Result	Limits	Units	LOQ	
CBC per 1ml <sup>†</sup>	2.42		mg/1ml	0.03	CBD-Total per 1ml
CBD per 1ml	51.8		mg/1ml	0.03	51.8 mg/1ml
CBDV per 1ml <sup>†</sup>	0.340		mg/1ml	0.03	THC-Total per 1ml
CBG per 1ml <sup>†</sup>	1.26		mg/1ml	0.03	2.05 mg/1ml
CBN per 1ml	0.128		mg/1ml	0.03	(Reported in milligrams per serving)
Δ9-THC per 1ml	2.05		mg/1ml	0.03	



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**Customer:** Etz Hayim Holdings

**Product identity:** BI37 HPTN Top  
**Client/Metric ID:** .  
**Sample Date:** 09/16/19  
**Laboratory ID:** 19-011241-0001  
**Relinquished by:** Received By Mail  
**Temp:** 23.5 °C  
**Serving Size #1:** 0.931 g

### Sample Results

Potency per 1ml		Batch: 1908524					
Analyte	Result	Limits	Units	LOQ	Analyze	Method	Notes
CBC per 1ml <sup>†</sup>	2.42		mg/1ml	0.0310	09/23/19	J AOAC 2015 V98-6	
CBC-A per 1ml <sup>†</sup>	< LOQ		mg/1ml	0.0310	09/23/19	J AOAC 2015 V98-6	
CBC-Total per 1ml <sup>†</sup>	2.42		mg/1ml	0.0583	09/23/19	J AOAC 2015 V98-6	
CBD per 1ml	51.8		mg/1ml	0.0310	09/23/19	J AOAC 2015 V98-6	
CBD-A per 1ml	< LOQ		mg/1ml	0.0310	09/23/19	J AOAC 2015 V98-6	
CBD-Total per 1ml	51.8		mg/1ml	0.0583	09/23/19	J AOAC 2015 V98-6	
CBDV per 1ml <sup>†</sup>	0.340		mg/1ml	0.0310	09/23/19	J AOAC 2015 V98-6	
CBDV-A per 1ml <sup>†</sup>	< LOQ		mg/1ml	0.0310	09/23/19	J AOAC 2015 V98-6	
CBDV-Total per 1ml <sup>†</sup>	0.340		mg/1ml	0.0579	09/23/19	J AOAC 2015 V98-6	
CBG per 1ml <sup>†</sup>	1.26		mg/1ml	0.0310	09/23/19	J AOAC 2015 V98-6	
CBG-A per 1ml <sup>†</sup>	< LOQ		mg/1ml	0.0310	09/23/19	J AOAC 2015 V98-6	
CBG-Total per 1ml <sup>†</sup>	1.26		mg/1ml	0.0583	09/23/19	J AOAC 2015 V98-6	
CBL per 1ml <sup>†</sup>	< LOQ		mg/1ml	0.0310	09/23/19	J AOAC 2015 V98-6	
CBN per 1ml	0.128		mg/1ml	0.0310	09/23/19	J AOAC 2015 V98-6	
Δ8-THC per 1ml <sup>†</sup>	< LOQ		mg/1ml	0.0310	09/23/19	J AOAC 2015 V98-6	
Δ9-THC per 1ml	2.05		mg/1ml	0.0310	09/23/19	J AOAC 2015 V98-6	
THC-A per 1ml	< LOQ		mg/1ml	0.0310	09/23/19	J AOAC 2015 V98-6	
THC-Total per 1ml	2.05		mg/1ml	0.0583	09/23/19	J AOAC 2015 V98-6	
THCV per 1ml <sup>†</sup>	< LOQ		mg/1ml	0.0310	09/23/19	J AOAC 2015 V98-6	
THCV-A per 1ml <sup>†</sup>	< LOQ		mg/1ml	0.0310	09/23/19	J AOAC 2015 V98-6	
THCV-Total per 1ml <sup>†</sup>	< LOQ		mg/1ml	0.0579	09/23/19	J AOAC 2015 V98-6	

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 kept a maximum of 15 days from the report date unless prior arrangements have been made.



**Product identity:** BI37 HPTN  
**Laboratory ID:** 19-011241-0005

**Client/Metric ID:** .  
**Sample Date:** 09/16/19

**Summary**

**Terpenes:**

Analyte	Percent by weight	Percent of Total	Analyte	Percent by weight	Percent of Total
farnesene <sup>†</sup>	0.0437	40.84%	a-Bisabolol <sup>†</sup>	0.0376	35.14%
β-Caryophyllene <sup>†</sup>	0.0259	24.21%	<b>Total Terpenes<sup>†</sup></b>	<b>0.107</b>	<b>100.00%</b>



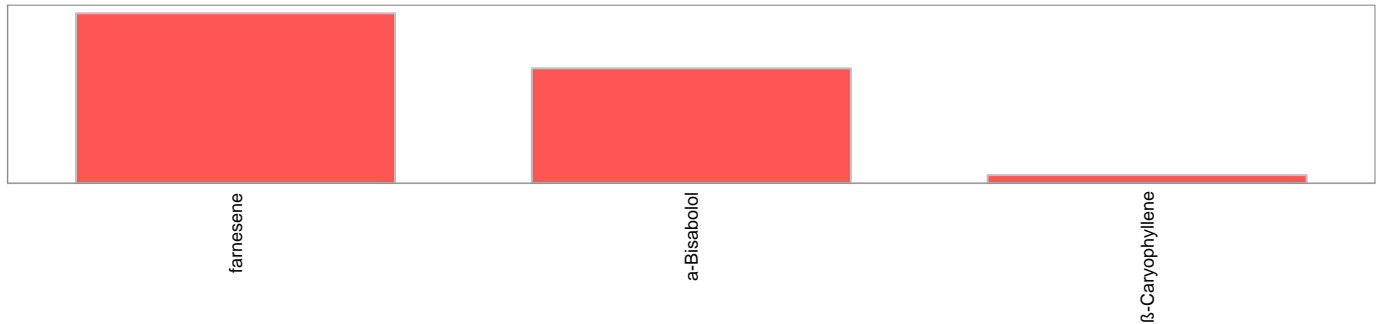
**Customer:** Etz Hayim Holdings

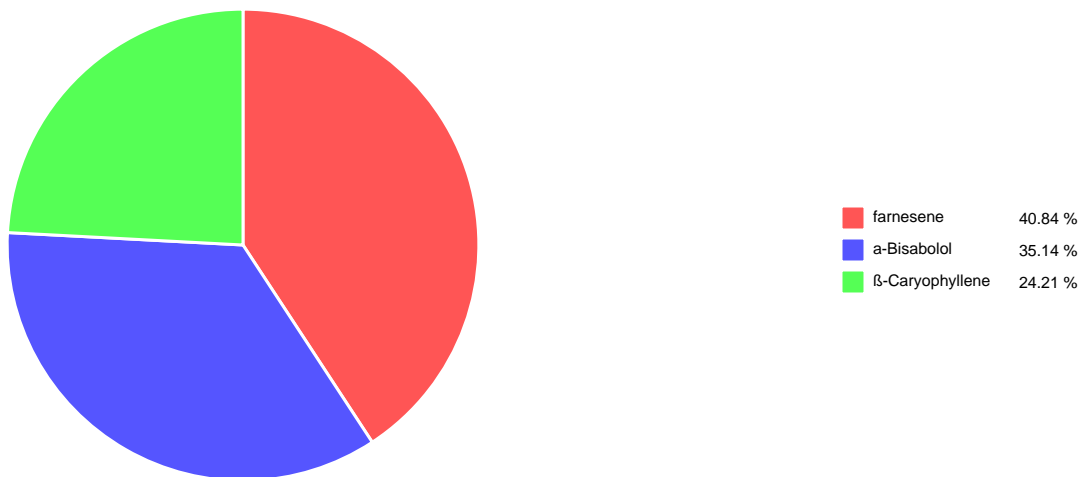
**Product identity:** BI37 HPTN  
**Client/Metric ID:** .  
**Sample Date:** 09/16/19  
**Laboratory ID:** 19-011241-0005  
**Relinquished by:** Received By Mail  
**Temp:** 23.5 °C

## Sample Results



Terpenes				Method J AOAC 2015 V98-6	Units %	Batch 1908847	Analyze 10/02/19 09:29 AM		
Analyte	Result	LOQ	% of Total	Notes	Analyte	Result	LOQ	% of Total	Notes
farnesene <sup>†</sup>	0.0437	0.020	40.84%		α-Bisabolol <sup>†</sup>	0.0376	0.020	35.14%	
β-Caryophyllene <sup>†</sup>	0.0259	0.020	24.21%		(-)-Guaiol <sup>†</sup>	< LOQ	0.020	0.00%	
(-)-α-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%		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%	
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>0.107</b>								





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



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



**Job Number:** 19-011241  
**Report Number:** 19-011241-00  
**Report Date:** 10/08/2019  
**ORELAP#:** OR100028  
**Purchase Order:**  
**Received:** 09/17/19 11:15

**Product identity:** BI37 HPTN  
**Laboratory ID:** 19-011241-0008

**Client/Metric ID:** .  
**Sample Date:** 09/16/19

### Summary

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**Metals:**

Less than LOQ for all analytes.





**Customer:** Etz Hayim Holdings

**Product identity:** BI37 HPTN  
**Client/Metric ID:** .  
**Sample Date:** 09/16/19  
**Laboratory ID:** 19-011241-0008  
**Relinquished by:** Received By Mail  
**Temp:** 23.5 °C

### Sample Results

Metals								
Analyte	Result	Limits	Units	LOQ	Batch	Analyze	Method	Notes
Arsenic	< LOQ		mg/kg	0.0497	1909013	10/07/19	AOAC 2013.06 (mod.)	X
Cadmium	< LOQ		mg/kg	0.0497	1909013	10/07/19	AOAC 2013.06 (mod.)	X
Lead	< LOQ		mg/kg	0.0497	1909013	10/07/19	AOAC 2013.06 (mod.)	X
Mercury	< LOQ		mg/kg	0.0248	1909013	10/07/19	AOAC 2013.06 (mod.)	X

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



**Job Number:** 19-011241  
**Report Number:** 19-011241-00  
**Report Date:** 10/07/2019  
**ORELAP#:** OR100028  
**Purchase Order:**  
**Received:** 09/17/19 11:15

**Product identity:** BI37 HPTN  
**Laboratory ID:** 19-011241-0004

**Client/Metric ID:** .  
**Sample Date:** 09/16/19

### Summary

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**Pesticides:**

*All analytes passing and less than LOQ.*



**Customer:** Etz Hayim Holdings

**Product identity:** BI37 HPTN  
**Client/Metric ID:** .  
**Sample Date:** 09/16/19  
**Laboratory ID:** 19-011241-0004  
**Relinquished by:** Received By Mail  
**Temp:** 23.5 °C

### Sample Results

Pesticides		Method AOAC 2007.01 & EN 15662 (mod)				Units mg/kg	Batch 1908884	Analyze 10/02/19 04:37 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	0.100	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		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	0.100	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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