



HPTN BI16		NR: Not Reported NA: Not Available 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
HIGH POTENCY TINCTURE	Serving Size: 1 ml	
Pixis Labs	Oregon Accreditation: OR100028	

POTENCY	PER SERVING	PER GRAM	REGULATORY ACTION LEVEL
Cannabidiol (CBD)	50.1 mg/serving	53.8 mg/g	N/A
Total THC (d9-THC + d8-THC)	2.26 mg/serving	2.43 mg/g	3 mg/g
Cannabigerol (CBG)	1.41 mg/serving	1.51 mg/g	N/A
Cannabinol (CBN)	0.185 mg/serving	0.199 mg/g	N/A
Cannabichromene (CBC)	1.84 mg/serving	1.98 mg/g	N/A

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

TERPENES	% OF SAMPLE
a-Bisabolol	0.0222%

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: BI16 HPTN Top
Laboratory ID: 19-010818-0001

Client/Metric ID: .
Sample Date: 09/05/19

Summary

Potency:

Analyte per 1ml	Result	Limits	Units	LOQ	
CBC per 1ml [†]	1.84		mg/1ml	0.03	CBD-Total per 1ml 50.1 mg/1ml
CBD per 1ml	50.1		mg/1ml	0.03	
CBDV per 1ml [†]	0.322		mg/1ml	0.03	THC-Total per 1ml 2.26 mg/1ml
CBG per 1ml [†]	1.41		mg/1ml	0.03	(Reported in milligrams per serving)
CBN per 1ml	0.185		mg/1ml	0.03	
Δ9-THC per 1ml	2.26		mg/1ml	0.03	



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Customer: Etz Hayim Holdings

Product identity: BI16 HPTN Top
Client/Metric ID: .
Sample Date: 09/05/19
Laboratory ID: 19-010818-0001
Relinquished by: Received By Mail
Temp: 23.5 °C
Serving Size #1: 0.931 g

Sample Results

Potency per 1ml		Batch: 1908311					
Analyte	Result	Limits	Units	LOQ	Analyze	Method	Notes
CBC per 1ml [†]	1.84		mg/1ml	0.0310	09/16/19	J AOAC 2015 V98-6	
CBC-A per 1ml [†]	< LOQ		mg/1ml	0.0310	09/16/19	J AOAC 2015 V98-6	
CBC-Total per 1ml [†]	1.84		mg/1ml	0.0583	09/16/19	J AOAC 2015 V98-6	
CBD per 1ml	50.1		mg/1ml	0.0310	09/16/19	J AOAC 2015 V98-6	
CBD-A per 1ml	< LOQ		mg/1ml	0.0310	09/16/19	J AOAC 2015 V98-6	
CBD-Total per 1ml	50.1		mg/1ml	0.0583	09/16/19	J AOAC 2015 V98-6	
CBDV per 1ml [†]	0.322		mg/1ml	0.0310	09/16/19	J AOAC 2015 V98-6	
CBDV-A per 1ml [†]	< LOQ		mg/1ml	0.0310	09/16/19	J AOAC 2015 V98-6	
CBDV-Total per 1ml [†]	0.322		mg/1ml	0.0579	09/16/19	J AOAC 2015 V98-6	
CBG per 1ml [†]	1.41		mg/1ml	0.0310	09/16/19	J AOAC 2015 V98-6	
CBG-A per 1ml [†]	< LOQ		mg/1ml	0.0310	09/16/19	J AOAC 2015 V98-6	
CBG-Total per 1ml [†]	1.41		mg/1ml	0.0583	09/16/19	J AOAC 2015 V98-6	
CBL per 1ml [†]	< LOQ		mg/1ml	0.0310	09/16/19	J AOAC 2015 V98-6	
CBN per 1ml	0.185		mg/1ml	0.0310	09/16/19	J AOAC 2015 V98-6	
Δ8-THC per 1ml [†]	< LOQ		mg/1ml	0.0310	09/16/19	J AOAC 2015 V98-6	
Δ9-THC per 1ml	2.26		mg/1ml	0.0310	09/16/19	J AOAC 2015 V98-6	
THC-A per 1ml	< LOQ		mg/1ml	0.0310	09/16/19	J AOAC 2015 V98-6	
THC-Total per 1ml	2.26		mg/1ml	0.0583	09/16/19	J AOAC 2015 V98-6	
THCV per 1ml [†]	< LOQ		mg/1ml	0.0310	09/16/19	J AOAC 2015 V98-6	
THCV-A per 1ml [†]	< LOQ		mg/1ml	0.0310	09/16/19	J AOAC 2015 V98-6	
THCV-Total per 1ml [†]	< LOQ		mg/1ml	0.0579	09/16/19	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.



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



Job Number: 19-010818
Report Number: 19-010818-00
Report Date: 09/26/2019
ORELAP#: OR100028
Purchase Order:
Received: 09/09/19 10:30

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

Product identity: BI16 HPTN
Laboratory ID: 19-010818-0005

Client/Metric ID: .
Sample Date: 09/05/19

Summary

Terpenes:

Analyte	Percent by weight	Percent of Total	Analyte	Percent by weight	Percent of Total
a-Bisabolol†	0.0222	100.00%	Total Terpenes†	0.0222	100.00%

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Testing in accordance with:



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

Customer: Etz Hayim Holdings

Product identity: BI16 HPTN

Client/Metric ID: .

Sample Date: 09/05/19

Laboratory ID: 19-010818-0005

Relinquished by: Received By Mail

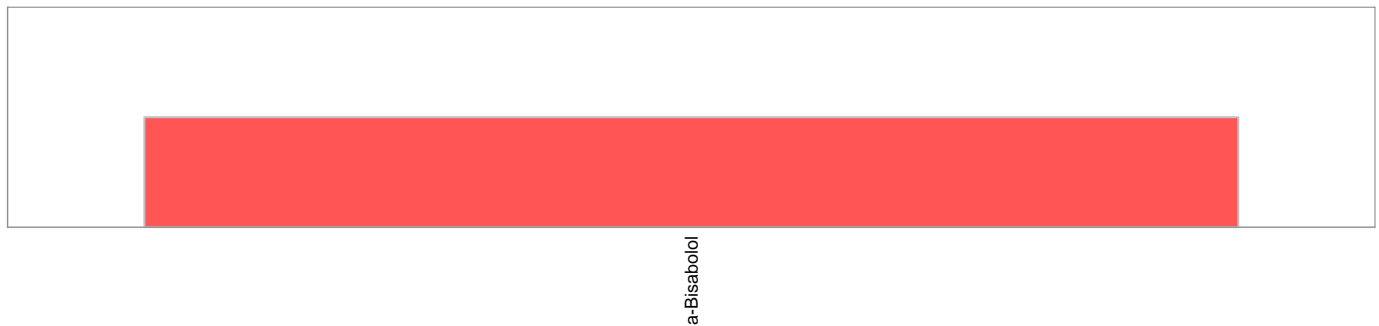
Temp: 23.5 °C

Sample Results



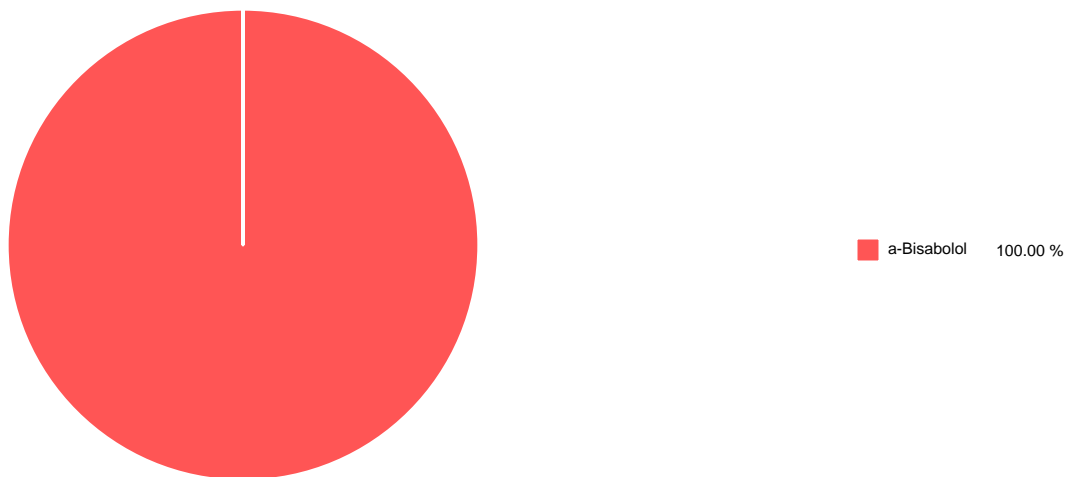
This report cannot be used for ODA, OHA or OLCC compliance requirements.

Terpenes				Method J AOAC 2015 V98-6	Units %	Batch 1908415	Analyze 09/19/19 11:56 AM		
Analyte	Result	LOQ	% of Total	Notes	Analyte	Result	LOQ	% of Total	Notes
a-Bisabolol [†]	0.0222	0.020	100.00%		(-)-a-Terpineol [†]	< LOQ	0.020	0.00%	
(-)-caryophyllene oxide [†]	< LOQ	0.020	0.00%		(-)-Guaiol [†]	< 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%		a-cedrene [†]	< LOQ	0.020	0.00%	
a-phellandrene [†]	< LOQ	0.020	0.00%		a-pinene [†]	< LOQ	0.020	0.00%	
a-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%		farnesene [†]	< LOQ	0.020	0.00%	
gamma-Terpinene [†]	< LOQ	0.020	0.00%		Geraniol [†]	< LOQ	0.020	0.00%	
Geranyl acetate [†]	< LOQ	0.020	0.00%		Humulene [†]	< 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-Caryophyllene [†]	< 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	0.0222								





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



Job Number: 19-010818
Report Number: 19-010818-00
Report Date: 09/26/2019
ORELAP#: OR100028
Purchase Order:
Received: 09/09/19 10:30

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

Product identity: BI16 HPTN
Laboratory ID: 19-010818-0008

Client/Metric ID: .
Sample Date: 09/05/19

Summary

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: BI16 HPTN
Client/Metric ID: .
Sample Date: 09/05/19
Laboratory ID: 19-010818-0008
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	0.0450	1908501	09/20/19	AOAC 2013.06 (mod.)	X
Cadmium	< LOQ		mg/kg	0.0450	1908501	09/20/19	AOAC 2013.06 (mod.)	X
Lead	< LOQ		mg/kg	0.0450	1908501	09/20/19	AOAC 2013.06 (mod.)	X
Mercury	< LOQ		mg/kg	0.0225	1908501	09/20/19	AOAC 2013.06 (mod.)	X



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



Job Number: 19-010818
Report Number: 19-010818-00
Report Date: 09/26/2019
ORELAP#: OR100028
Purchase Order:
Received: 09/09/19 10:30

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

Product identity: BI16 HPTN
Laboratory ID: 19-010818-0004

Client/Metric ID: .
Sample Date: 09/05/19

Summary

Pesticides:

All analytes passing and less than LOQ.



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

Customer: Etz Hayim Holdings
Product identity: BI16 HPTN
Client/Metric ID: .
Sample Date: 09/05/19
Laboratory ID: 19-010818-0004
Relinquished by: Received By Mail
Temp: 23.5 °C

Sample Results

Pesticides											
Method AOAC 2007.01 & EN 15662 (mod) Units mg/kg Batch 1908565 Analyze 09/24/19 04:33 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		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		Paclbutrazole	< 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							