



CONSOLIDATED TEST RESULTS SUMMARY

Please see the following pages for full test results.

SKU: HPTN	BATCH #: BL22(A)	NR: Not Reported NA: Not Available
PRODUCT NAME: HIGH POTENCY FULL SPECTRUM CBD TINCTURE		LOQ: Limit Of Quantitation LOD: Limit Of Detection
LAB NAME: PIXIS LABS	OREGON ACCREDITATION: OR100028	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)	51.0 mg/serving	54.9 mg/g	N/A
Total THC (d9-THC + d8-THC)	1.76 mg/serving	1.89 mg/g	3 mg/g
Cannabigerol (CBG)	0.907 mg/serving	0.976 mg/g	N/A
Cannabinol (CBN)	0.055 mg/serving	0.060 mg/g	N/A
Cannabichromene (CBC)	2.86 mg/serving	3.08 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.

MICROBIAL	PASS/FAIL
Yeast & Mold	PASS
Coliform	PASS

TERPENES	% OF SAMPLE
β-Caryophyllene	0.112%
Humulene	0.0497%

TERPENES	% OF SAMPLE
farnesene	0.0604%
caryophyllene oxide	0.0243%

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: BL22(A) HPTN Middle
Client/Metric ID: .
Laboratory ID: 19-015641-0002

Sample Date: 12/20/19 16:00

Summary

Potency:

Analyte per 1ml	Result	Limits	Units	Status	
CBC per 1ml†	2.86		mg/1ml		CBD-Total per 1ml 51.0 mg/1ml
CBD per 1ml	51.0		mg/1ml		
CBDV per 1ml†	0.311		mg/1ml		THC-Total per 1ml 1.76 mg/1ml
CBG per 1ml†	0.907		mg/1ml		(Reported in milligrams per serving)
CBN per 1ml	0.0554		mg/1ml		
Δ9-THC per 1ml	1.76		mg/1ml		



Customer: Etz Hayim Holdings

Product identity: BL22(A) HPTN Middle

Client/Metric ID: .

Sample Date: 12/20/19 16:00

Laboratory ID: 19-015641-0002

Relinquished by: Zack Holden

Temp: 18.9 °C

Serving Size #1: 0.93 g

Sample Results

Potency per 1ml		Batch: 1911812					
Analyte	Result	Limits	Units	LOQ	Analyze	Method	Notes
CBC per 1ml†	2.86		mg/1ml	0.0310	01/02/20	J AOAC 2015 V98-6	
CBC-A per 1ml†	< LOQ		mg/1ml	0.0310	01/02/20	J AOAC 2015 V98-6	
CBC-Total per 1ml†	2.86		mg/1ml	0.0582	01/02/20	J AOAC 2015 V98-6	
CBD per 1ml	51.0		mg/1ml	0.0310	01/02/20	J AOAC 2015 V98-6	
CBD-A per 1ml	< LOQ		mg/1ml	0.0310	01/02/20	J AOAC 2015 V98-6	
CBD-Total per 1ml	51.0		mg/1ml	0.0582	01/02/20	J AOAC 2015 V98-6	
CBDV per 1ml†	0.311		mg/1ml	0.0310	01/02/20	J AOAC 2015 V98-6	
CBDV-A per 1ml†	< LOQ		mg/1ml	0.0310	01/02/20	J AOAC 2015 V98-6	
CBDV-Total per 1ml†	0.311		mg/1ml	0.0578	01/02/20	J AOAC 2015 V98-6	
CBG per 1ml†	0.907		mg/1ml	0.0310	01/02/20	J AOAC 2015 V98-6	
CBG-A per 1ml†	< LOQ		mg/1ml	0.0310	01/02/20	J AOAC 2015 V98-6	
CBG-Total per 1ml†	0.907		mg/1ml	0.0582	01/02/20	J AOAC 2015 V98-6	
CBL per 1ml†	< LOQ		mg/1ml	0.0310	01/02/20	J AOAC 2015 V98-6	
CBN per 1ml	0.0554		mg/1ml	0.0310	01/02/20	J AOAC 2015 V98-6	
Δ8-THC per 1ml†	< LOQ		mg/1ml	0.0310	01/02/20	J AOAC 2015 V98-6	
Δ9-THC per 1ml	1.76		mg/1ml	0.0310	01/02/20	J AOAC 2015 V98-6	
THC-A per 1ml	< LOQ		mg/1ml	0.0310	01/02/20	J AOAC 2015 V98-6	
THC-Total per 1ml	1.76		mg/1ml	0.0582	01/02/20	J AOAC 2015 V98-6	
THCV per 1ml†	< LOQ		mg/1ml	0.0310	01/02/20	J AOAC 2015 V98-6	
THCV-A per 1ml†	< LOQ		mg/1ml	0.0310	01/02/20	J AOAC 2015 V98-6	
THCV-Total per 1ml†	< LOQ		mg/1ml	0.0578	01/02/20	J AOAC 2015 V98-6	



Customer: Etz Hayim Holdings
Product identity: BL22(A) HPTN
Client/Metric ID: .
Laboratory ID: 19-015641-0006

Sample Date: 12/20/19 16:00

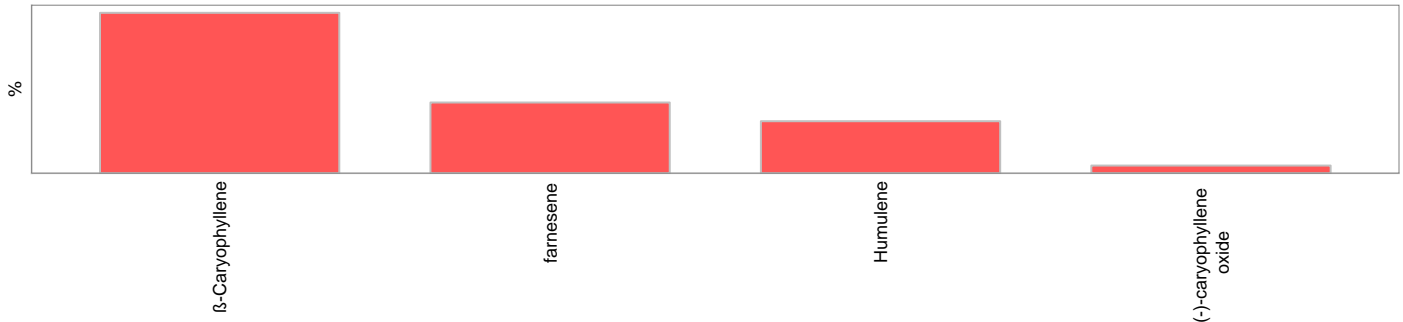
Summary

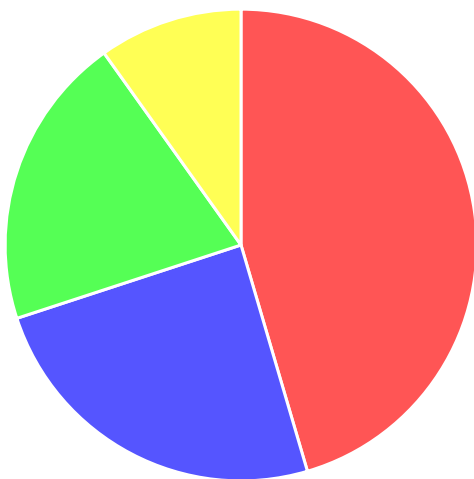
Terpenes:

Analyte	Percent by weight	Percent of Total	Analyte	Percent by weight	Percent of Total
β-Caryophyllene†	0.112	45.53%	farnesene†	0.0604	24.55%
Humulene†	0.0497	20.20%	(-)-caryophyllene oxide†	0.0243	9.88%
Total Terpenes†	0.246	100.00%			



Terpenes				Method J AOAC 2015 V98-6	Units %	Batch 2000065	Analyze 01/03/20 01:38 PM		
Analyte	Result	LOQ	% of Total	Notes	Analyte	Result	LOQ	% of Total	Notes
β-Caryophyllene†	0.112	0.020	45.53%		farnesene†	0.0604	0.020	24.55%	
Humulene†	0.0497	0.020	20.20%		(-)-caryophyllene oxide†	0.0243	0.020	9.88%	
α-Bisabolol†	< LOQ	0.020	0.00%		(-)-α-Terpineol†	< 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%	
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	0.246								





■ β -Caryophyllene	45.53 %
■ farnesene	24.55 %
■ Humulene	20.20 %
■ (-)-caryophyllene oxide	9.88 %



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

Report Number: 19-015641/D05.R00
Report Date: 01/08/2020
ORELAP#: OR100028
Purchase Order:
Received: 12/23/19 09:05



Customer: Etz Hayim Holdings
Product identity: BL22(A) HPTN
Client/Metric ID: .
Laboratory ID: 19-015641-0009

Sample Date: 12/20/19 16:00

Summary

Metals:

Less than LOQ for all analytes.



Customer: Etz Hayim Holdings

Product identity: BL22(A) HPTN

Client/Metric ID: .

Sample Date: 12/20/19 16:00

Laboratory ID: 19-015641-0009

Relinquished by: Zack Holden

Temp: 18.9 °C

Sample Results

Metals								
Analyte	Result	Limits	Units	LOQ	Batch	Analyze	Method	Notes
Arsenic	< LOQ		mg/kg	0.0453	2000160	01/07/20	AOAC 2013.06 (mod.)	X
Cadmium	< LOQ		mg/kg	0.0453	2000160	01/07/20	AOAC 2013.06 (mod.)	X
Lead	< LOQ		mg/kg	0.0453	2000160	01/07/20	AOAC 2013.06 (mod.)	X
Mercury	< LOQ		mg/kg	0.0226	2000160	01/07/20	AOAC 2013.06 (mod.)	X



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



Report Number: 19-015641/D10.R00
Report Date: 01/08/2020
ORELAP#: OR100028
Purchase Order:
Received: 12/23/19 09:05

Customer: Etz Hayim Holdings
Product identity: BL22(A) HPTN
Client/Metric ID: .
Laboratory ID: 19-015641-0004

Sample Date: 12/20/19 16:00

Summary

Pesticides:

All analytes passing and less than LOQ.



Customer: Etz Hayim Holdings

Product identity: BL22(A) HPTN
Client/Metric ID: .
Sample Date: 12/20/19 16:00
Laboratory ID: 19-015641-0004
Relinquished by: Zack Holden
Temp: 18.9 °C

Sample Results

Pesticides **Method** AOAC 2007.01 & EN 15662 (mod) **Units** mg/kg **Batch** 2000128 **Analyze** 01/07/20 08:56 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: 19-015641/D09.R00
Report Date: 01/08/2020
ORELAP#: OR100028
Purchase Order:
Received: 12/23/19 09:05

Customer: Etz Hayim Holdings
Product identity: BL22(A) HPTN
Client/Metric ID: .
Laboratory ID: 19-015641-0005

Sample Date: 12/20/19 16:00

Summary

Residual Solvents:

All analytes passing and less than LOQ.



Customer: Etz Hayim Holdings

Product identity: BL22(A) HPTN
Client/Metric ID: .
Sample Date: 12/20/19 16:00
Laboratory ID: 19-015641-0005
Relinquished by: Zack Holden
Temp: 18.9 °C

Sample Results

Solvents		Method EPA5021A				Units µg/g	Batch 2000066	Analyze 01/03/20 01:43 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		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	



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



Report Number: 19-015641/D06.R00
Report Date: 01/08/2020
ORELAP#: OR100028
Purchase Order:
Received: 12/23/19 09:05

Customer: Etz Hayim Holdings
Product identity: BL22(A) HPTN
Client/Metric ID: .
Laboratory ID: 19-015641-0008

Sample Date: 12/20/19 16:00

Summary

Microbiology:

Less than LOQ for all analytes.



Customer: Etz Hayim Holdings

Product identity: BL22(A) HPTN
Client/Metric ID: .
Sample Date: 12/20/19 16:00
Laboratory ID: 19-015641-0008
Relinquished by: Zack Holden
Temp: 18.9 °C

Sample Results

Microbiology								
Analyte	Result	Limits	Units	LOQ	Batch	Analyze	Method	Notes
E.coli	< LOQ		cfu/g	10	2000080	01/06/20	AOAC 991.14 (Petrifilm)	X
Total Coliforms	< LOQ		cfu/g	10	2000080	01/06/20	AOAC 991.14 (Petrifilm)	X



12423 NE Whitaker Way
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Report Number: 19-015641/D07.R00
Report Date: 01/08/2020
ORELAP#: OR100028
Purchase Order:
Received: 12/23/19 09:05

Customer: Etz Hayim Holdings
Product identity: BL22(A) HPTN
Client/Metric ID: .
Laboratory ID: 19-015641-0007

Sample Date: 12/20/19 16:00

Summary

Microbiology:

Less than LOQ for all analytes.



Customer: Etz Hayim Holdings

Product identity: BL22(A) HPTN

Client/Metric ID: .

Sample Date: 12/20/19 16:00

Laboratory ID: 19-015641-0007

Relinquished by: Zack Holden

Temp: 18.9 °C

Sample Results

Microbiology								
Analyte	Result	Limits	Units	LOQ	Batch	Analyze	Method	Notes
Mold (RAPID Petrifilm)	< LOQ		cfu/g	10	2000081	01/06/20	AOAC 2014.05 (RAPID)	X
Yeast (RAPID Petrifilm)	< LOQ		cfu/g	10	2000081	01/06/20	AOAC 2014.05 (RAPID)	X