



## CONSOLIDATED TEST RESULTS SUMMARY

Please see the following pages for full test results.

<b>SKU: SPTN</b>	<b>BATCH #: BK50(A)</b>	<b>NR: Not Reported</b> <b>NA: Not Available</b>
<b>PRODUCT NAME: STANDARD POTENCY FULL SPECTRUM CBD TINCTURE</b>		<b>LOQ: Limit Of Quantitation</b> <b>LOD: Limit Of Detection</b>
<b>LAB NAME: PIXIS LABS</b>	<b>OREGON ACCREDITATION: OR100028</b>	1 g = 10 <sup>-3</sup> kg = 10 <sup>3</sup> mg = 10 <sup>6</sup> µg 1 mg/kg = 1 ppm = 1000 ppb

POTENCY	PER SERVING	PER GRAM	REGULATORY ACTION LEVEL
Cannabidiol (CBD)	15.1 mg/serving	16.0 mg/g	N/A
Total THC (d9-THC + d8-THC)	0.520 mg/serving	0.551 mg/g	3 mg/g
Cannabigerol (CBG)	0.184 mg/serving	0.195 mg/g	N/A
Cannabinol (CBN)	<LOQ mg/serving	<LOQ mg/g	N/A
Cannabichromene (CBC)	0.784 mg/serving	0.831 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.

MICROBIAL	PASS/FAIL
Yeast & Mold	PASS
Coliform	PASS

TERPENES	% OF SAMPLE
β-Caryophyllene	0.0226 %

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:** BK50(A) SPTN Bottom  
**Client/Metric ID:** .  
**Laboratory ID:** 19-015108-0003

**Summary**

**Potency:**

Analyte per 1ml	Result	Limits	Units	Status		
					CBD-Total per 1ml	15.1 mg/1ml
CBC per 1ml <sup>†</sup>	0.784		mg/1ml			
CBD per 1ml	15.1		mg/1ml		THC-Total per 1ml	0.520 mg/1ml
CBD-A per 1ml	0.0318		mg/1ml			
CBDV per 1ml <sup>†</sup>	0.100		mg/1ml			
CBG per 1ml <sup>†</sup>	0.184		mg/1ml			
Δ9-THC per 1ml	0.520		mg/1ml			



**Customer:** Etz Hayim Holdings  
**Product identity:** BK50(A) SPTN Bottom  
**Client/Metric ID:** .  
**Sample Date:**  
**Laboratory ID:** 19-015108-0003  
**Relinquished by:** Brian Ramos  
**Temp:** 19.1 °C  
**Serving Size #1:** 0.943 g

### Sample Results

Potency per 1ml		Batch: 1911470					
Analyte	Result	Limits	Units	LOQ	Analyze	Method	Notes
CBC per 1ml <sup>†</sup>	0.784		mg/1ml	0.0314	12/18/19	J AOAC 2015 V98-6	
CBC-A per 1ml <sup>†</sup>	< LOQ		mg/1ml	0.0314	12/18/19	J AOAC 2015 V98-6	
CBC-Total per 1ml <sup>†</sup>	0.784		mg/1ml	0.0591	12/18/19	J AOAC 2015 V98-6	
CBD per 1ml	15.1		mg/1ml	0.0314	12/18/19	J AOAC 2015 V98-6	
CBD-A per 1ml	0.0318		mg/1ml	0.0314	12/18/19	J AOAC 2015 V98-6	
CBD-Total per 1ml	15.1		mg/1ml	0.0591	12/18/19	J AOAC 2015 V98-6	
CBDV per 1ml <sup>†</sup>	0.100		mg/1ml	0.0314	12/18/19	J AOAC 2015 V98-6	
CBDV-A per 1ml <sup>†</sup>	< LOQ		mg/1ml	0.0314	12/18/19	J AOAC 2015 V98-6	
CBDV-Total per 1ml <sup>†</sup>	0.100		mg/1ml	0.0587	12/18/19	J AOAC 2015 V98-6	
CBG per 1ml <sup>†</sup>	0.184		mg/1ml	0.0314	12/18/19	J AOAC 2015 V98-6	
CBG-A per 1ml <sup>†</sup>	< LOQ		mg/1ml	0.0314	12/18/19	J AOAC 2015 V98-6	
CBG-Total per 1ml <sup>†</sup>	0.184		mg/1ml	0.0591	12/18/19	J AOAC 2015 V98-6	
CBL per 1ml <sup>†</sup>	< LOQ		mg/1ml	0.0314	12/18/19	J AOAC 2015 V98-6	
CBN per 1ml	< LOQ		mg/1ml	0.0314	12/18/19	J AOAC 2015 V98-6	
Δ8-THC per 1ml <sup>†</sup>	< LOQ		mg/1ml	0.0314	12/18/19	J AOAC 2015 V98-6	
Δ9-THC per 1ml	0.520		mg/1ml	0.0314	12/18/19	J AOAC 2015 V98-6	
THC-A per 1ml	< LOQ		mg/1ml	0.0314	12/18/19	J AOAC 2015 V98-6	
THC-Total per 1ml	0.520		mg/1ml	0.0591	12/18/19	J AOAC 2015 V98-6	
THCV per 1ml <sup>†</sup>	< LOQ		mg/1ml	0.0314	12/18/19	J AOAC 2015 V98-6	
THCV-A per 1ml <sup>†</sup>	< LOQ		mg/1ml	0.0314	12/18/19	J AOAC 2015 V98-6	
THCV-Total per 1ml <sup>†</sup>	< LOQ		mg/1ml	0.0587	12/18/19	J AOAC 2015 V98-6	



**Customer:** Etz Hayim Holdings  
**Product identity:** BK50(A) SPTN  
**Client/Metric ID:** .  
**Laboratory ID:** 19-015108-0006

**Summary**

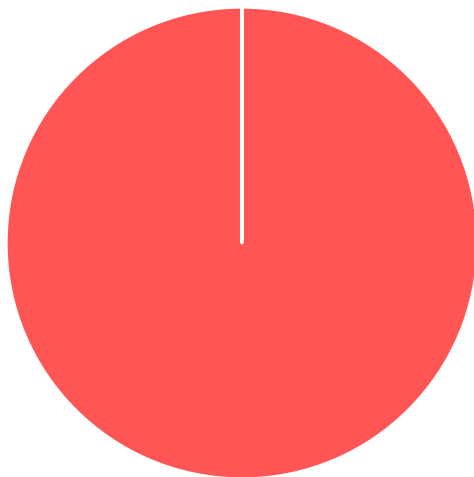
**Terpenes:**

Analyte	Percent by weight	Percent of Total	Analyte	Percent by weight	Percent of Total
β-Caryophyllene†	0.0226	100.00%	<b>Total Terpenes†</b>	<b>0.0226</b>	<b>100.00%</b>

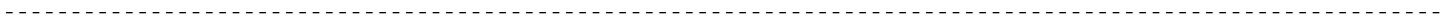


Terpenes				Method J AOAC 2015 V98-6	Units %	Batch 1911802	Analyze 12/31/19 09:52 AM		
Analyte	Result	LOQ	% of Total	Notes	Analyte	Result	LOQ	% of Total	Notes
β-Caryophyllene†	0.0226	0.020	100.00%		(-)-a-Terpineol†	< LOQ	0.020	0.00%	
(-)-caryophyllene oxide†	< LOQ	0.020	0.00%		(-)-Guaiol†	< LOQ	0.020	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-Bisabolol†	< 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-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%	
<b>Total Terpenes</b>	<b>0.0226</b>								





■  $\beta$ -Caryophyllene 100.00 %





**Customer:** Etz Hayim Holdings  
**Product identity:** BK50(A) SPTN  
**Client/Metric ID:** .  
**Laboratory ID:** 19-015108-0009

### Summary

**Metals:**

*Less than LOQ for all analytes.*



**Customer:** Etz Hayim Holdings

**Product identity:** BK50(A) SPTN

**Client/Metric ID:** .

**Sample Date:**

**Laboratory ID:** 19-015108-0009

**Relinquished by:** Brian Ramos

**Temp:** 19.1 °C

### Sample Results

Metals								
Analyte	Result	Limits	Units	LOQ	Batch	Analyze	Method	Notes
Arsenic	< LOQ		mg/kg	0.0494	1911686	12/26/19	AOAC 2013.06 (mod.)	X, H
Cadmium	< LOQ		mg/kg	0.0494	1911686	12/26/19	AOAC 2013.06 (mod.)	X, H
Lead	< LOQ		mg/kg	0.0494	1911686	12/26/19	AOAC 2013.06 (mod.)	X, H
Mercury	< LOQ		mg/kg	0.0247	1911686	12/26/19	AOAC 2013.06 (mod.)	X, H





**Customer:** Etz Hayim Holdings  
**Product identity:** BK50(A) SPTN  
**Client/Metric ID:** .  
**Laboratory ID:** 19-015108-0004

### Summary

**Pesticides:**

*All analytes passing and less than LOQ.*



**Customer:** Etz Hayim Holdings

**Product identity:** BK50(A) SPTN

**Client/Metric ID:** .

**Sample Date:**

**Laboratory ID:** 19-015108-0004

**Relinquished by:** Brian Ramos

**Temp:** 19.1 °C

### Sample Results

**Pesticides**      **Method** AOAC 2007.01 & EN 15662 (mod)      **Units** mg/kg      **Batch** 1911650      **Analyze** 12/24/19 09:27 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							



**Customer:** Etz Hayim Holdings  
**Product identity:** BK50(A) SPTN  
**Client/Metric ID:** .  
**Laboratory ID:** 19-015108-0005

### Summary

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**Residual Solvents:**

*All analytes passing and less than LOQ.*

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**Customer:** Etz Hayim Holdings

**Product identity:** BK50(A) SPTN

**Client/Metric ID:** .

**Sample Date:**

**Laboratory ID:** 19-015108-0005

**Relinquished by:** Brian Ramos

**Temp:** 19.1 °C

### Sample Results

Solvents		Method EPA5021A				Units µg/g	Batch 1911587	Analyze 12/22/19 08:40 AM			
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	



**Customer:** Etz Hayim Holdings  
**Product identity:** BK50(A) SPTN  
**Client/Metric ID:** .  
**Laboratory ID:** 19-015108-0007

### Summary

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**Microbiology:**

Less than LOQ for all analytes.



**Customer:** Etz Hayim Holdings

**Product identity:** BK50(A) SPTN

**Client/Metric ID:** .

**Sample Date:**

**Laboratory ID:** 19-015108-0007

**Relinquished by:** Brian Ramos

**Temp:** 19.1 °C

### Sample Results

Microbiology								
Analyte	Result	Limits	Units	LOQ	Batch	Analyze	Method	Notes
Mold (RAPID Petrifilm)	< LOQ		cfu/g	10	1911578	12/23/19	AOAC 2014.05 (RAPID)	X
Yeast (RAPID Petrifilm)	< LOQ		cfu/g	10	1911578	12/23/19	AOAC 2014.05 (RAPID)	X



**Customer:** Etz Hayim Holdings  
**Product identity:** BK50(A) SPTN  
**Client/Metric ID:** .  
**Laboratory ID:** 19-015108-0008

### Summary

**Microbiology:**

*Less than LOQ for all analytes.*



**Customer:** Etz Hayim Holdings

**Product identity:** BK50(A) SPTN

**Client/Metric ID:** .

**Sample Date:**

**Laboratory ID:** 19-015108-0008

**Relinquished by:** Brian Ramos

**Temp:** 19.1 °C

### Sample Results

Microbiology								
Analyte	Result	Limits	Units	LOQ	Batch	Analyze	Method	Notes
E.coli	< LOQ		cfu/g	10	1911576	12/23/19	AOAC 991.14 (Petrifilm)	X
Total Coliforms	< LOQ		cfu/g	10	1911576	12/23/19	AOAC 991.14 (Petrifilm)	X