



## CONSOLIDATED TEST RESULTS SUMMARY

Please see the following pages for full test results.

<b>SKU: HPTN</b>	<b>BATCH #: BL57</b>	<b>NR: Not Reported</b> <b>NA: Not Available</b>
<b>PRODUCT NAME: HIGH 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)	54.0 mg/serving	58.1 mg/g	N/A
Total THC (d9-THC + d8-THC)	2.29 mg/serving	2.46 mg/g	3 mg/g
Cannabigerol (CBG)	1.08 mg/serving	1.16 mg/g	N/A
Cannabinol (CBN)	0.055 mg/serving	0.059 mg/g	N/A
Cannabichromene (CBC)	3.27 mg/serving	3.52 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	0.140%
Humulene	0.0617 %
α-Bisabolol	0.0315%

TERPENES	% OF SAMPLE
farnesene	0.0765 %
caryophyllene oxide	0.0326 %

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:** BL57 HPTN Bottom  
**Client/Metric ID:** .  
**Laboratory ID:** 20-000058-0003

**Sample Date:** 12/20/19 16:00

**Summary**

**Potency:**

Analyte per 1ml	Result	Limits	Units	Status	
					CBD-Total per 1ml 54.0 mg/1ml
CBC per 1ml†	3.27		mg/1ml		
CBD per 1ml	53.9		mg/1ml		
CBD-A per 1ml	0.0524		mg/1ml		
CBDV per 1ml†	0.337		mg/1ml		
CBG per 1ml†	1.08		mg/1ml		
CBL per 1ml†	0.135		mg/1ml		
CBN per 1ml	0.0546		mg/1ml		
Δ9-THC per 1ml	2.29		mg/1ml		
THCV per 1ml†	0.193		mg/1ml		
					THC-Total per 1ml 2.29 mg/1ml
					(Reported in milligrams per serving)



**Customer:** Etz Hayim Holdings  
  
**Product identity:** BL57 HPTN Bottom  
**Client/Metric ID:** .  
**Sample Date:** 12/20/19 16:00  
**Laboratory ID:** 20-000058-0003  
**Relinquished by:** Brian Ramos  
**Temp:** 20 °C  
**Serving Size #1:** 0.93 g

### Sample Results

Potency per 1ml		Batch: 2000257					
Analyte	Result	Limits	Units	LOQ	Analyze	Method	Notes
CBC per 1ml†	3.27		mg/1ml	0.0310	01/10/20	J AOAC 2015 V98-6	
CBC-A per 1ml†	< LOQ		mg/1ml	0.0310	01/10/20	J AOAC 2015 V98-6	
CBC-Total per 1ml†	3.27		mg/1ml	0.0582	01/10/20	J AOAC 2015 V98-6	
CBD per 1ml	53.9		mg/1ml	0.0310	01/10/20	J AOAC 2015 V98-6	
CBD-A per 1ml	0.0524		mg/1ml	0.0310	01/10/20	J AOAC 2015 V98-6	
CBD-Total per 1ml	54.0		mg/1ml	0.0582	01/10/20	J AOAC 2015 V98-6	
CBDV per 1ml†	0.337		mg/1ml	0.0310	01/10/20	J AOAC 2015 V98-6	
CBDV-A per 1ml†	< LOQ		mg/1ml	0.0310	01/10/20	J AOAC 2015 V98-6	
CBDV-Total per 1ml†	0.337		mg/1ml	0.0578	01/10/20	J AOAC 2015 V98-6	
CBG per 1ml†	1.08		mg/1ml	0.0310	01/10/20	J AOAC 2015 V98-6	
CBG-A per 1ml†	< LOQ		mg/1ml	0.0310	01/10/20	J AOAC 2015 V98-6	
CBG-Total per 1ml†	1.09		mg/1ml	0.0582	01/10/20	J AOAC 2015 V98-6	
CBL per 1ml†	0.135		mg/1ml	0.0310	01/10/20	J AOAC 2015 V98-6	
CBN per 1ml	0.0546		mg/1ml	0.0310	01/10/20	J AOAC 2015 V98-6	
Δ8-THC per 1ml†	< LOQ		mg/1ml	0.0310	01/10/20	J AOAC 2015 V98-6	
Δ9-THC per 1ml	2.29		mg/1ml	0.0310	01/10/20	J AOAC 2015 V98-6	
THC-A per 1ml	< LOQ		mg/1ml	0.0310	01/10/20	J AOAC 2015 V98-6	
THC-Total per 1ml	2.29		mg/1ml	0.0582	01/10/20	J AOAC 2015 V98-6	
THCV per 1ml†	0.193		mg/1ml	0.0310	01/10/20	J AOAC 2015 V98-6	
THCV-A per 1ml†	< LOQ		mg/1ml	0.0310	01/10/20	J AOAC 2015 V98-6	
THCV-Total per 1ml†	0.193		mg/1ml	0.0578	01/10/20	J AOAC 2015 V98-6	



**Customer:** Etz Hayim Holdings  
**Product identity:** BL57 HPTN  
**Client/Metric ID:** .  
**Laboratory ID:** 20-000058-0006

**Sample Date:** 12/20/19 16:00

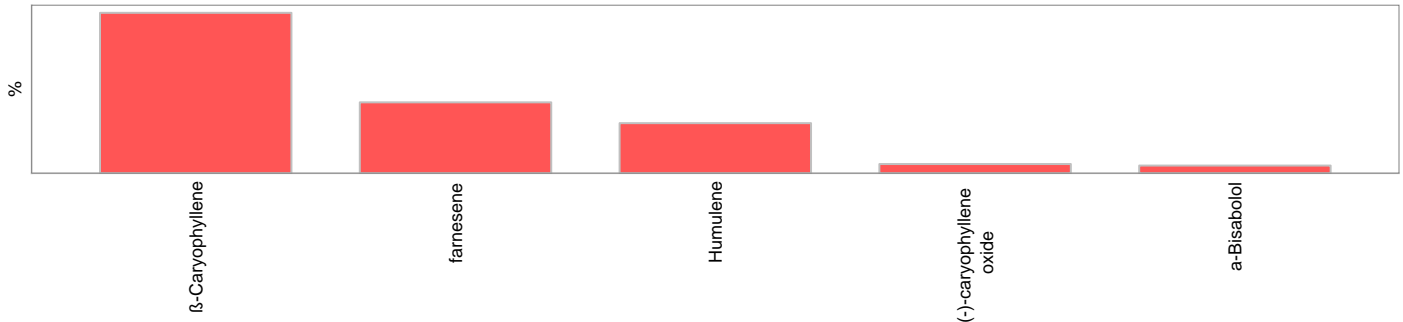
**Summary**

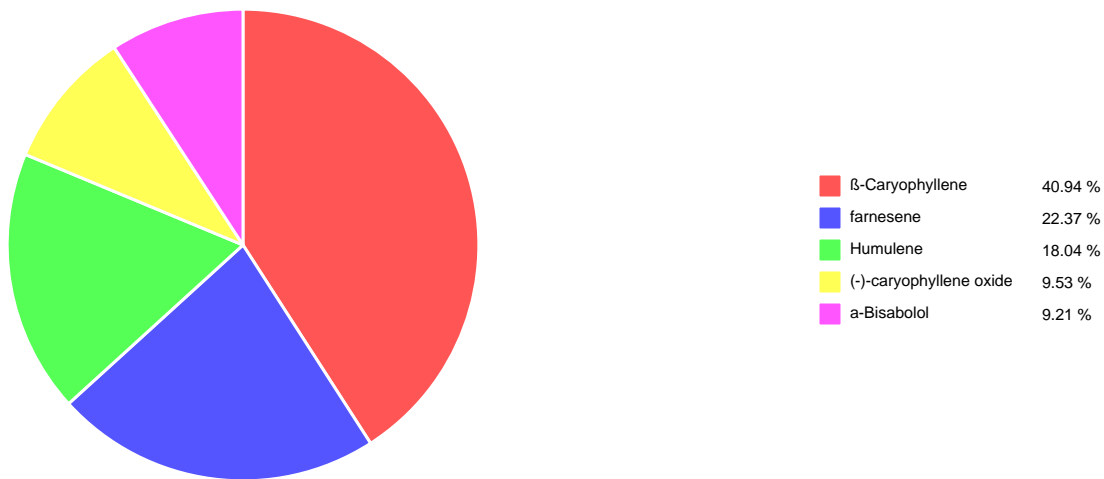
**Terpenes:**

Analyte	Percent by weight	Percent of Total	Analyte	Percent by weight	Percent of Total
β-Caryophyllene†	0.140	40.94%	farnesene†	0.0765	22.37%
Humulene†	0.0617	18.04%	(-)-caryophyllene oxide†	0.0326	9.53%
α-Bisabolol†	0.0315	9.21%	<b>Total Terpenes†</b>	<b>0.342</b>	<b>100.00%</b>



Terpenes				Method J AOAC 2015 V98-6	Units %	Batch 2000393	Analyze 01/15/20 09:54 AM		
Analyte	Result	LOQ	% of Total	Notes	Analyte	Result	LOQ	% of Total	Notes
β-Caryophyllene†	0.140	0.020	40.94%		farnesene†	0.0765	0.020	22.37%	
Humulene†	0.0617	0.020	18.04%		(-)-caryophyllene oxide†	0.0326	0.020	9.53%	
α-Bisabolol†	0.0315	0.020	9.21%		(±)-trans-Nerolidol†	< 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%		(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%	
<b>Total Terpenes</b>	<b>0.342</b>								







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



**Report Number:** 20-000058/D10.R00  
**Report Date:** 01/16/2020  
**ORELAP#:** OR100028  
**Purchase Order:**  
**Received:** 01/03/20 09:10

**Customer:** Etz Hayim Holdings  
**Product identity:** BL57 HPTN  
**Client/Metric ID:** .  
**Laboratory ID:** 20-000058-0004

**Sample Date:** 12/20/19 16:00

### Summary

**Pesticides:**

*All analytes passing and less than LOQ.*



**Customer:** Etz Hayim Holdings

**Product identity:** BL57 HPTN  
**Client/Metric ID:** .  
**Sample Date:** 12/20/19 16:00  
**Laboratory ID:** 20-000058-0004  
**Relinquished by:** Brian Ramos  
**Temp:** 20 °C

### Sample Results

**Pesticides**      **Method** AOAC 2007.01 & EN 15662 (mod)      **Units** mg/kg      **Batch** 2000380      **Analyze** 01/15/20 08:21 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:** BL57 HPTN  
**Client/Metric ID:** .  
**Laboratory ID:** 20-000058-0005

**Sample Date:** 12/20/19 16:00

### Summary

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**Residual Solvents:**

*All analytes passing and less than LOQ.*



**Customer:** Etz Hayim Holdings

**Product identity:** BL57 HPTN  
**Client/Metric ID:** .  
**Sample Date:** 12/20/19 16:00  
**Laboratory ID:** 20-000058-0005  
**Relinquished by:** Brian Ramos  
**Temp:** 20 °C

### Sample Results

Solvents		Method EPA5021A				Units µg/g	Batch 2000313	Analyze 01/13/20 10:53 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:** BL57 HPTN  
**Client/Metric ID:** .  
**Laboratory ID:** 20-000058-0007

**Sample Date:** 12/20/19 16:00

### Summary

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**Microbiology:**

Less than LOQ for all analytes.



**Customer:** Etz Hayim Holdings

**Product identity:** BL57 HPTN  
**Client/Metric ID:** .  
**Sample Date:** 12/20/19 16:00  
**Laboratory ID:** 20-000058-0007  
**Relinquished by:** Brian Ramos  
**Temp:** 20 °C

### Sample Results

Microbiology								
Analyte	Result	Limits	Units	LOQ	Batch	Analyze	Method	Notes
Mold (RAPID Petrifilm)	< LOQ		cfu/g	10	2000305	01/14/20	AOAC 2014.05 (RAPID)	X
Yeast (RAPID Petrifilm)	< LOQ		cfu/g	10	2000305	01/14/20	AOAC 2014.05 (RAPID)	X



12423 NE Whitaker Way  
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503-254-1794



**Report Number:** 20-000058/D06.R00  
**Report Date:** 01/16/2020  
**ORELAP#:** OR100028  
**Purchase Order:**  
**Received:** 01/03/20 09:10

**Customer:** Etz Hayim Holdings  
**Product identity:** BL57 HPTN  
**Client/Metric ID:** .  
**Laboratory ID:** 20-000058-0008

**Sample Date:** 12/20/19 16:00

### Summary

**Microbiology:**

*Less than LOQ for all analytes.*



**Customer:** Etz Hayim Holdings

**Product identity:** BL57 HPTN  
**Client/Metric ID:** .  
**Sample Date:** 12/20/19 16:00  
**Laboratory ID:** 20-000058-0008  
**Relinquished by:** Brian Ramos  
**Temp:** 20 °C

### Sample Results

Microbiology								
Analyte	Result	Limits	Units	LOQ	Batch	Analyze	Method	Notes
E.coli	< LOQ		cfu/g	10	2000304	01/14/20	AOAC 991.14 (Petrifilm)	X
Total Coliforms	< LOQ		cfu/g	10	2000304	01/14/20	AOAC 991.14 (Petrifilm)	X



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



**Report Number:** 20-000058/D05.R00  
**Report Date:** 01/16/2020  
**ORELAP#:** OR100028  
**Purchase Order:**  
**Received:** 01/03/20 09:10

**Customer:** Etz Hayim Holdings  
**Product identity:** BL57 HPTN  
**Client/Metric ID:** .  
**Laboratory ID:** 20-000058-0009

**Sample Date:** 12/20/19 16:00

### Summary

**Metals:**

*Less than LOQ for all analytes.*



**Customer:** Etz Hayim Holdings

**Product identity:** BL57 HPTN  
**Client/Metric ID:** .  
**Sample Date:** 12/20/19 16:00  
**Laboratory ID:** 20-000058-0009  
**Relinquished by:** Brian Ramos  
**Temp:** 20 °C

### Sample Results

Metals								
Analyte	Result	Limits	Units	LOQ	Batch	Analyze	Method	Notes
Arsenic	< LOQ		mg/kg	0.0421	2000410	01/15/20	AOAC 2013.06 (mod.)	X
Cadmium	< LOQ		mg/kg	0.0421	2000410	01/15/20	AOAC 2013.06 (mod.)	X
Lead	< LOQ		mg/kg	0.0421	2000410	01/15/20	AOAC 2013.06 (mod.)	X
Mercury	< LOQ		mg/kg	0.0211	2000410	01/15/20	AOAC 2013.06 (mod.)	X