

## Cascade Kush

Sample ID: 2111CSALA8073.2235

Matrix: Hemp

Type: Industrial Hemp

Sample Size: 7 grams

County Sample ID:

Produced: N/A

Collected: 11/29/2021

Received: 11/29/2021

Completed: 12/02/2021

Physical Address:

Sampler:

Sample Received By:


Sample Tested By: Richard Butunts

Whole Organix LLC

Registration #:

Registrant Name:

Registrant Contact #:

	<b>0.1097%</b>  $\Delta$ 9-THC	<b>13.0052%</b>  Total CBD	<b>16.3431%</b>  Total Cannabinoids
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## Cannabinoids

Testing method: HPLC-SOP 101

Analyte	LOD	LOQ	Results	Results
	%	%	%	mg/g
CBDa	0.0133	0.025	13.8984	138.9835
CBD	0.0175	0.025	0.8164	8.1639
CBCA *	0.0221	0.025	0.6528	6.5277
THCa	0.0184	0.025	0.5456	5.4560
CBGa	0.0187	0.025	0.1515	1.5149
$\Delta$ 9-THC	0.0207	0.025	0.1097	1.0968
CBC	0.0213	0.025	0.0680	0.6801
CBDVA *	0.0238	0.025	0.0563	0.5630
CBG	0.0229	0.025	0.0445	0.4446
CBDV	0.0204	0.025	ND	ND
CBN	0.0245	0.025	ND	ND
CBT *	0.021	0.0975	ND	ND
THCV	0.0242	0.025	ND	ND
THCVA *	0.0243	0.025	ND	ND
$\Delta$ 8-THC	0.022	0.025	ND	ND
<b>Total THC</b>			<b>0.5882</b>	<b>5.8817</b>
<b>Total</b>			<b>16.3431</b>	<b>163.4305</b>

Date Tested: 11/30/2021

Total THC = THCa \* 0.877 + d9-THC

Total CBD = CBDa \* 0.877 + CBD

LOQ = Limit of Quantitation; LOD = Limit of Detection; NT = Not Tested; ND = Not Detected. The reported result is based on a sample weight with the applicable moisture content for that sample;

\* Denotes analytes pending ISO-17025 scope addition

<b>11.2%</b> Moisture Moisture Analyzer SOP-103 Date Tested: 11/30/2021	- <b>NT</b> Water Activity Water Activity Meter SOP-102 -	<b>NT</b> Foreign Matter Visual Inspection SOP-600 -
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 ISO / IEC 17025:2017 ACCREDITED  
 LABORATORY  
 Accreditation No. 73653



 Neyajourabchian  
 Laboratory Director  
 12/02/2021



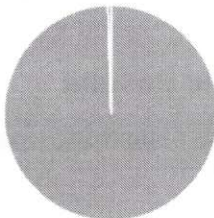
 Mikaela Gutierrez  
 COA Review  
 12/02/2021



Product identity: 826-24-1  
Client/Metric ID:  
Laboratory ID: 21-014329-0003

**Summary**

**Potency:**

Analyte	Result (%)	 <ul style="list-style-type: none"> <li>● Δ8-THC</li> <li>● Δ8-THCV</li> </ul>		
Δ8-THC†	92.2			CBD Total
Δ8-THCV	0.417		THC-Total	<LOQ
			(Reported in percent of total sample)	

**Residual Solvents:**

All analytes passing and less than LOQ.

**Pesticides:**

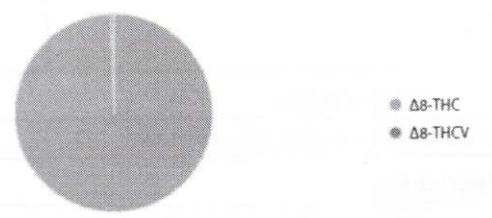
All analytes passing and less than LOQ.



**Product identity:** 826-24-1  
**Client/Metric ID:** .  
**Sample Date:**  
**Laboratory ID:** 21-014329-0003  
**Evidence of Cooling:** No  
**Temp:** 20.4 °C  
**Relinquished by:** UPS

### Sample Results

Potency	Method J AOAC 2015 V98-6 (mod)			Units %	Batch: 2111034	Analyze: 12/10/21 6:06:00 AM
Analyte	As Received	Dry weight	LOQ	Notes		
CBC	< LOQ		0.0857			
CBC-A†	< LOQ		0.0857			
CBC-Total†	< LOQ		0.161			
CBD	< LOQ		0.0857			
CBD-A	< LOQ		0.0857			
CBD-Total	< LOQ		0.161			
CBDV†	< LOQ		0.0857			
CBDV-A†	< LOQ		0.0857			
CBDV-Total†	< LOQ		0.160			
CBE†	< LOQ		0.0857			
CBG†	< LOQ		0.0857			
CBG-A†	< LOQ		0.0857			
CBG-Total	< LOQ		0.160			
CBL†	< LOQ		0.0857			
CBL-A†	< LOQ		0.0857			
CBL-Total†	< LOQ		0.161			
CBN	< LOQ		0.0857			
CBT†	< LOQ		0.0857			
Δ8-THC†	92.2		0.857			
Δ8-THCV	0.417		0.0857			
Δ9-THC	< LOQ		0.0857			
THC-A	< LOQ		0.0857			
THC-Total	< LOQ		0.161			
THCV†	< LOQ		0.0857			
THCV-A†	< LOQ		0.0857			
THCV-Total†	< LOQ		0.160			
<b>Total Cannabinoids†</b>	<b>92.6</b>					





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



**Report Number:** 21-014329/D004.R000  
**Report Date:** 12/15/2021  
**ORELAP#:** OR100028  
**Purchase Order:**  
**Received:** 12/08/21 12:29

Solvents						Residual Solvents by GC/MS					
Analyte	Method	Result	Limits	LOQ	Status	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 (Isopentane)	< LOQ		200		
2-Methylpentane	< LOQ		30.0			2-Propanol (IPA)	< LOQ	5000	200	pass	
2,2-Dimethyl butane	< LOQ		30.0			2,2-Dimethylpropane (neo-pentane)	< LOQ		200		
2,3-Dimethyl butane	< 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	20.0	pass	
Hexanes (sum)	< LOQ	290	150	pass		Isopropyl acetate	< LOQ	5000	200	pass	
Isopropyl benzene (Cumene)	< LOQ	70.0	30.0	pass		m,p-Xylene	< LOQ		200		
Methanol	< LOQ	3000	200	pass		Methylene chloride	< LOQ	600	60.0	pass	
Methylpropane (Isobutane)	< 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 benzene	< LOQ	2170	600	pass	



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Pesticides											
Method AOAC 2007.01 & EN 15662 (mod) Units mg/kg Batch 2111056 Analyze 12/13/21 09:31 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		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	0.200	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							

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Testing in accordance with: OAR 333-007-0400 OAR 333-007-0410 OAR 333-007-0430