


## Takilma

 Sample ID: 2011CSALA3184.8030  
 Matrix: Other  
 Type: Industrial Hemp Testing  
 Sample Size: 12 grams  
 County Sample ID:

 Produced: N/A  
 Collected: 11/11/2020  
 Received: 11/11/2020  
 Completed: 11/13/2020

 Physical Address:  
 Sampler:  
 Sample Received By:  
 Sample Tested By: Grant Sullivan

 Registration #:  
 Registrant Name:  
 Registrant Contact #:

	<b>0.5276%</b>	<b>15.0428%</b>	<b>17.9896%</b>
Total THC	Total CBD	Total Cannabinoids	

## Cannabinoids

Testing method: HPLC-SOP 101

Analyte	LOD	LOQ	Results	Results	
	mg/g	mg/g	%	mg/g	
CBDa	0.0012	0.0037	16.9711	169.7114	<div style="width: 100%; height: 100%; background-color: #90EE90; border: 1px solid #000;"></div> Pass
THCa	0.002	0.006	0.6015	6.0155	
CBGa	0.0016	0.005	0.2127	2.1266	
CBD	0.0059	0.018	0.1591	1.5914	
CBG	0.0047	0.0143	0.0322	0.3224	
CBC	0.0009	0.0027	0.0129	0.1290	
CBDV	0.0042	0.0126	ND	ND	
CBN	0.0014	0.0041	ND	ND	
THCV	0.0036	0.0111	ND	ND	
$\Delta$ 8-THC	0.0038	0.0115	ND	ND	
$\Delta$ 9-THC	0.0038	0.0115	ND	ND	
<b>Total</b>			<b>17.9896</b>	<b>179.8961</b>	

Date Tested: 11/12/2020

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;


 ISO / IEC 17025:2017 ACCREDITED  
 LABORATORY  
 Accreditation No. 73653



 Douglas Duncan  
 Lab Director  
 11/13/2020



 Cecilia Melgar  
 COA Review  
 11/13/2020



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



**Report Number:** 21-007475/D003.R000  
**Report Date:** 07/13/2021  
**ORELAP#:** OR100028  
**Purchase Order:**  
**Received:** 07/01/21 15:15

**Customer:**  
**Product identity:** 820-73-1  
**Client/Metric ID:** .  
**Laboratory ID:** 21-007475-0002

### Summary

**Potency:**

Analyte	Result (%)		CBD-Total	<LOQ	
Δ8-THC†	97.4		(Reported in percent of total sample)	THC-Total	<LOQ
Δ8-THCV	0.361				
CBT†	0.189				

**Residual Solvents:**

*All analytes passing and less than LOQ.*

**Pesticides:**

*All analytes passing and less than LOQ.*



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

**Report Number:** 21-007475/D003.R000  
**Report Date:** 07/13/2021  
**ORELAP#:** OR100028  
**Purchase Order:**  
**Received:** 07/01/21 15:15



**Customer:**

United States of America (USA)

**Product identity:** 820-73-1  
**Client/Metric ID:** .  
**Sample Date:**  
**Laboratory ID:** 21-007475-0002

**Sample Results**

Potency	Method J AOAC 2015 V98-6 (mod)			Units %	Batch: 2105993	Analyze: 7/7/21 12:53:00 AM
Analyte	As Received	Dry weight	LOQ	Notes		
CBC	< LOQ		0.0865			
CBC-A <sup>†</sup>	< LOQ		0.0865			
CBC-Total <sup>†</sup>	< LOQ		0.162			
CBD	< LOQ		0.0865			
CBD-A	< LOQ		0.0865			
CBD-Total	< LOQ		0.162			
CBDV <sup>†</sup>	< LOQ		0.0865			
CBDV-A <sup>†</sup>	< LOQ		0.0865			
CBDV-Total <sup>†</sup>	< LOQ		0.161			
CBE <sup>†</sup>	< LOQ		0.0865			
CBG <sup>†</sup>	< LOQ		0.0865			
CBG-A <sup>†</sup>	< LOQ		0.0865			
CBG-Total	< LOQ		0.161			
CBL <sup>†</sup>	< LOQ		0.0865			
CBL-A <sup>†</sup>	< LOQ		0.0865			
CBL-Total <sup>†</sup>	< LOQ		0.162			
CBN	< LOQ		0.0865			
CBT <sup>†</sup>	0.189		0.0865			
Δ8-THC <sup>†</sup>	97.4		0.865			
Δ8-THCV	0.361		0.0865			
Δ9-THC	< LOQ		0.0865			
THC-A	< LOQ		0.0865			
THC-Total	< LOQ		0.162			
THCV <sup>†</sup>	< LOQ		0.0865			
THCV-A <sup>†</sup>	< LOQ		0.0865			
THCV-Total <sup>†</sup>	< LOQ		0.161			
<b>Total Cannabinoids<sup>†</sup></b>	<b>&gt; 98.0</b>					



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



**Report Number:** 21-007475/D003.R000  
**Report Date:** 07/13/2021  
**ORELAP#:** OR100028  
**Purchase Order:**  
**Received:** 07/01/21 15:15

Solvents						Residual Solvents by GC/MS					Units µg/g		Batch 2106092		Analyze 07/09/21 02:51 PM			
Analyte	Result	Limits	LOQ	Status	Notes	Analyte	Result	Limits	LOQ	Status	Notes							
1,4-Dioxane	< LOQ	380	187	pass		2-Butanol	< LOQ	5000	2,460	pass								
2-Ethoxyethanol	< LOQ	160	78.8	pass		2-Methylbutane	< LOQ		2,460									
2-Methylpentane	< LOQ		143			2-Propanol (IPA)	< LOQ	5000	2,460	pass								
2,2-Dimethyl butane	< LOQ		143			2,2-Dimethylpropane	< LOQ		2,460									
2,3-Dimethyl butane	< LOQ		143			3-Methylpentane	< LOQ		143									
Acetone	< LOQ	5000	2,460	pass		Acetonitrile	< LOQ	410	202	pass								
Benzene	< LOQ	2.00	0.985	pass		Butanes (sum)	< LOQ	5000	2,460	pass								
Cyclohexane	< LOQ	3880	1,910	pass		Ethyl acetate	< LOQ	5000	2,460	pass								
Ethyl benzene	< LOQ		1,070			Ethyl ether	< LOQ	5000	2,460	pass								
Ethylene glycol	< LOQ	620	305	pass		Ethylene oxide	< LOQ	50.0	24.6	pass								
Hexanes (sum)	< LOQ	290	143	pass		Isopropyl acetate	< LOQ	5000	2,460	pass								
Isopropyl benzene	< LOQ	70.0	34.5	pass		m,p-Xylene	< LOQ		1,070									
Methanol	< LOQ	3000	1,480	pass		Methylene chloride	< LOQ	600	296	pass								
Methylpropane	< LOQ		2,460			n-Butane	< LOQ		2,460									
n-Heptane	< LOQ	5000	2,460	pass		n-Hexane	< LOQ		143									
n-Pentane	< LOQ		2,460			o-Xylene	< LOQ		1,070									
Pentanes (sum)	< LOQ	5000	2,460	pass		Propane	< LOQ	5000	2,460	pass								
Tetrahydrofuran	< LOQ	720	355	pass		Toluene	< LOQ	890	438	pass								
Total Xylenes	< LOQ		1,070			Total Xylenes and Ethyl	< LOQ	2170	1,070	pass								



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



**Report Number:** 21-007475/D003.R000  
**Report Date:** 07/13/2021  
**ORELAP#:** OR100028  
**Purchase Order:**  
**Received:** 07/01/21 15:15

Pesticides											
Method AOAC 2007.01 & EN 15662 (mod) Units mg/kg Batch 2105934 Analyze 07/06/21 09:36 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							

Notes:

Residual solvents analysis performed by SC Labs, Oregon



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



**Report Number:** 21-007475/D003.R000  
**Report Date:** 07/13/2021  
**ORELAP#:** OR100028  
**Purchase Order:**  
**Received:** 07/01/21 15:15

**Abbreviations**

**Limits:** Action Levels per OAR-333-007-0400, OAR-333-007-0210, OAR-333-007-0220

**Limit(s) of Quantitation (LOQ):** The minimum levels, concentrations, or quantities of a target variable (e.g., target analyte) that can be reported with a specified degree of confidence.

† = Analyte not NELAP accredited.

**Units of Measure**

µg/g = Microgram per gram

mg/kg = Milligram per kilogram = parts per million (ppm)

% = Percentage of sample

% wt = µg/g divided by 10,000

Approved Signatory

Derrick Tanner  
General Manager

[www.columbialaboratories.com](http://www.columbialaboratories.com)

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 Columbia Laboratories 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 retained for a maximum of 30 days from the receipt date unless prior arrangements have been made.

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