




Product Identity: 1058843-21-825-38-1
Client/Metric ID:
Sample Date: 07/22/21 08:30
Laboratory ID: 21-008214-0001
Evidence of Cooling: No
Temp: 19.2 °C

Sample Results

Potency Analyte	Method J AOAC 2015 V98-6 (mod)			Units %	Batch: 2106730	Analyze: 7/28/21 4:18:00 PM
	As Received	Dry weight	LOQ	Notes		
CBC	< LOQ		0.0867			
CBC-A [†]	< LOQ		0.0867			
CBC-Total [†]	< LOQ		0.163			
CBD	< LOQ		0.0867			
CBD-A	< LOQ		0.0867			
CBD-Total	< LOQ		0.163			
CBDV [†]	< LOQ		0.0867			
CBDV-A [†]	< LOQ		0.0867			
CBDV-Total [†]	< LOQ		0.162			
CBE [†]	< LOQ		0.0867			
CBG [†]	< LOQ		0.0867			
CBG-A [†]	< LOQ		0.0867			
CBG-Total	< LOQ		0.162			
CBL [†]	< LOQ		0.0867			
CBL-A [†]	< LOQ		0.0867			
CBL-Total [†]	< LOQ		0.163			
CBN	< LOQ		0.0867			
CBT [†]	0.154		0.0867			
Δ8-THC [†]	94.5		0.867			
Δ8-THCV	0.415		0.0867			
Δ9-THC	< LOQ		0.0867			
THC-A	< LOQ		0.0867			
THC-Total	< LOQ		0.163			
THCV [†]	< LOQ		0.0867			
THCV-A [†]	< LOQ		0.0867			
THCV-Total [†]	< LOQ		0.162			
Total Cannabinoids[†]	95.1					



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



Report Number: 21-008214/D006.R000
 Report Date: 07/30/2021
 ORELAP#: OR100028
 Purchase Order:
 Received: 07/22/21 23:59

Solvents		Method Residual Solvents by GC/MS				Units µg/g	Batch 2106647	Analyze 07/27/21 11:27 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-Dimethyl butane	< LOQ		30.0			2,2-Dimethylpropane	< 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	< LOQ	70.0	30.0	pass		m,p-Xylene	< LOQ		200		
Methanol	< LOQ	3000	200	pass		Methylene chloride	< LOQ	600	60.0	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	

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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



12423 NE Whitaker Way
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 503-254-1794



Report Number: 21-008214/D006.R000
Report Date: 07/30/2021
ORELAP#: OR100028
Purchase Order:
Received: 07/22/21 23:59

Pesticides											
Method AOAC 2007.01 & EN 15662 (mod) Units mg/kg Batch 2106706 Analyze 07/28/21 04:01 PM											
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		Etozazole	< 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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This results relate only to the pesticides 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 the 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 333-007-0460 OAR 333-007-0410 OAR 333-007-0430



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



Report Number: 21-008214/D006.R000
Report Date: 07/30/2021
ORELAP#: OR100028
Purchase Order:
Received: 07/22/21 23:59

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.

t = Analyte not NELAP accredited.

Units of Measure

$\mu\text{g/g}$ = Microgram per gram

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

% = Percentage of sample

% wt = $\mu\text{g/g}$ divided by 10,000

Approved Signatory

Derrick Tanner
General Manager

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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 minimum of 90 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

Oregon Guava

Sample ID: 2011CSALA3843.9672

Matrix: Other

Type: Industrial Hemp Testing

Sample Size: 4 grams

County Sample ID:

Produced: N/A

Collected: 11/30/2020

Received: 11/30/2020

Completed: 12/14/2020

Physical Address:

Sampler:

Sample Received By: Tom Knenlein

Sample Tested By: Saro Kanaan

Registration #:

Registrant Name:

Registrant Contact #:



Summary

17.0851% Total Cannabinoids	Tested Pesticides	Not Tested Residual Solvents
Tested Microbials	Tested Mycotoxins	Tested Heavy Metals

Cannabinoids

Testing method: HPLC-SOP 101

Analyte	LOD	LOQ	Results	Results
	mg/g	mg/g	%	mg/g
CBDa	0.0012	0.0037	15.5364	155.3638
CBGa	0.0016	0.005	0.7029	7.0295
THCa	0.002	0.006	0.5414	5.4144
CBD	0.0059	0.018	0.2379	2.3786
Δ9-THC	0.0038	0.0115	0.0347	0.3474
CBG	0.0047	0.0143	0.0317	0.3171
CBC	0.0009	0.0027	ND	ND
CBDV	0.0042	0.0126	ND	ND
CBN	0.0014	0.0041	ND	ND
THCV	0.0036	0.0111	ND	ND
Δ8-THC	0.0038	0.0115	ND	ND
Total			17.0851	170.8508

0.0347%
Δ9-THC
13.8633%
Total CBD

Date Tested: 12/02/2020

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;

Terpenes

Testing method: HS-GC-FID - SOP 201

Analyte	LOD	LOQ	Results	Results
	%	%	%	mg/g
β-Myrcene	0.008	0.024	0.79	7.95
α-Pinene	0.006	0.0175	0.27	2.67
β-Caryophyllene	0.006	0.0173	0.16	1.64
β-Pinene	0.005	0.0147	0.13	1.35
α-Bisabolol	0.01	0.0295	0.09	0.89
δ-Limonene	0.005	0.0159	0.07	0.70
Linalool	0.008	0.0228	0.06	0.63
α-Humulene	0.006	0.0173	0.06	0.60
Guaiol	0.011	0.0334	0.05	0.50
trans-Nerolidol	0.007	0.0219	<LOQ	<LOQ
Camphene	0.005	0.0163	ND	ND
Caryophyllene Oxide	0.029	0.0874	ND	ND
Eucalyptol	0.006	0.0175	ND	ND
Geraniol	0.007	0.0205	ND	ND
Isopulegol	0.009	0.0282	ND	ND
Ocimene	0.004	0.0109	ND	ND
p-Cymene	0.005	0.0162	ND	ND
Terpinolene	0.006	0.0168	ND	ND
α-Terpinene	0.005	0.0165	ND	ND
γ-Terpinene	0.006	0.0168	ND	ND
δ-3-Carene	0.005	0.016	ND	ND
Total			1.69	16.93

Date Tested: 12/09/2020

11.6% Moisture Moisture Analyzer SOP-103 Date Tested: 12/01/2020	Tested 0.469 aw Water Activity Water Activity Meter SOP-102 Date Tested: 12/09/2020	Tested Foreign Matter Visual Inspection SOP-600 Date Tested: 12/08/2020
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 LABORATORY
 Accreditation No. 73653



 Douglas Duncan
 Lab Director
 12/14/2020



 Cecilia Melgar
 COA Review
 12/14/2020

Oregon Guava

Sample ID: 2011CSALA3843.9672

Matrix: Other

Type: Industrial Hemp Testing

Sample Size: 4 grams

County Sample ID:

Produced: N/A

Collected: 11/30/2020

Received: 11/30/2020

Completed: 12/14/2020

Physical Address:

Sampler:

Sample Received By: Tom Knenlein

Sample Tested By: Saro Kanaan

Registration #:

Registrant Name:

Registrant Contact #:

Pesticides

Testing method: LCMS & GCMS-SOP 301 and 302

Tested

Analyte	LOD	LOQ	Results	Analyte	LOD	LOQ	Results
	µg/g	µg/g	µg/g		µg/g	µg/g	µg/g
Abamectin	0.0002	0.0005	ND	Fludioxonil	0.009	0.0394	ND
Acephate	0.0029	0.0394	ND	Hexythiazox	0.0147	0.0489	ND
Acequinocyl	0.0067	0.0394	ND	Imazalil *	0.0029	0.0394	ND
Acetamiprid	0.0026	0.0394	ND	Imidacloprid	0.0089	0.0394	ND
Aldicarb *	0.0033	0.0394	ND	Kresoxim Methyl	0.0087	0.0394	ND
Azoxystrobin	0.0037	0.0394	ND	Malathion	0.0087	0.0394	ND
Bifenazate	0.0134	0.0447	ND	Metaxyl	0.0085	0.0394	ND
Bifenthrin	0.0171	0.0571	ND	Methiocarb *	0.006	0.0394	ND
Boscalid	0.007	0.0394	ND	Methomyl	0.0021	0.0394	ND
Captan	0.0184	0.1538	ND	Methyl Parathion *	0.0065	0.0385	ND
Carbaryl	0.0031	0.0394	ND	Mevinphos *	0.006	0.0394	ND
Carbofuran *	0.0034	0.0394	ND	Myclobutanil	0.0092	0.0394	ND
Chlorantraniliprole	0.017	0.0567	ND	Naled	0.01	0.0394	ND
Chlordane *	0.0052	0.0385	ND	Oxamyl	0.0027	0.0394	ND
Chlorfenapyr *	0.0034	0.0385	ND	Paclobutrazol *	0.0105	0.0394	ND
Chlorpyrifos *	0.0041	0.0394	ND	Pentachloronitrobenzene	0.0034	0.0385	ND
Clofentezine	0.0065	0.0394	ND	Permethrin	0.0072	0.0394	ND
Coumaphos *	0.0049	0.0394	ND	Phosmet	0.0062	0.0394	ND
Cyfluthrin	0.0624	0.2082	ND	Piperonyl Butoxide	0.0036	0.0394	ND
Cypermethrin	0.0082	0.0394	ND	Prallethrin	0.0101	0.0394	ND
Daminozide *	0.0273	0.0911	ND	Propiconazole	0.0075	0.0394	ND
DDVP *	0.0051	0.0169	ND	Propoxur *	0.0027	0.0394	ND
Diazinon	0.0029	0.0394	ND	Pyrethrins	0.0	0.0001	ND
Dimethoate *	0.001	0.0394	ND	Pyridaben	0.0028	0.0394	ND
Dimethomorph	0.0001	0.0003	ND	Spinetoram	0.0001	0.0003	ND
Ethoprophos *	0.0052	0.0394	ND	Spinosad	0.0	0.0001	ND
Etofenprox *	0.0021	0.0394	ND	Spiromesifen	0.0026	0.0394	ND
Etoxazole	0.0023	0.0394	ND	Spirotetramat	0.0065	0.0394	ND
Fenhexamid	0.0059	0.0394	ND	Spiroxamine *	0.0038	0.0394	ND
Fenoxycarb *	0.0051	0.0394	ND	Tebuconazole	0.0179	0.0598	ND
Fenpyroximate	0.0054	0.0394	ND	Thiacloprid *	0.0055	0.0394	ND
Fipronil *	0.017	0.0566	ND	Thiamethoxam	0.0057	0.0394	ND
Flonicamid	0.0215	0.0716	ND	Trifloxystrobin	0.0017	0.0394	ND

Date Tested: 12/10/2020

* Denotes Category I pesticides, which fail when detected; LOQ = Limit of Quantitation; LOD = Limit of Detection; NT = Not Tested; ND = Not Detected.


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 LABORATORY
 Accreditation No. 73653

 Douglas Duncan
 Lab Director
 12/14/2020

 Cecilia Melgar
 COA Review
 12/14/2020

Oregon Guava

Sample ID: 2011CSALA3843.9672

Matrix: Other

Type: Industrial Hemp Testing

Sample Size: 4 grams

County Sample ID:

Produced: N/A

Collected: 11/30/2020

Received: 11/30/2020

Completed: 12/14/2020

Physical Address:

Sampler:

Sample Received By: Tom Knenlein

Sample Tested By: Saro Kanaan

Registration #:

Registrant Name:

Registrant Contact #:

Microbials

Testing method: PCR-SOP 401

Tested

Analyte	Result
Aspergillus flavus	Not Detected
Aspergillus fumigatus	Not Detected
Aspergillus niger	Not Detected
Aspergillus terreus	Not Detected
Salmonella	Not Detected
Shiga toxin-producing E. Coli	Not Detected

Date Tested: 12/14/2020

LOQ = Limit of Quantitation; LOD = Limit of Detection; NT = Not Tested; ND = Not Detected.

Mycotoxins

Testing method: LCMS-SOP 301

Tested

Analyte	LOD	LOQ	Results
	µg/kg	µg/kg	µg/kg
Aflatoxin B1	0.0036	0.012	ND
Aflatoxin B2	0.0092	0.031	ND
Aflatoxin G1	0.0058	0.019	ND
Aflatoxin G2	0.0034	0.011	ND
Total Aflatoxins			ND
Ochratoxin A	0.0113	0.038	ND

Date Tested: 12/10/2020

LOQ = Limit of Quantitation; LOD = Limit of Detection; NT = Not Tested; ND = Not Detected.

Heavy Metals

Testing method: ICPMS-SOP 502

Tested

Analyte	LOD	LOQ	Results
	µg/g	µg/g	µg/g
Arsenic	0.006	0.018	0.1
Cadmium	0.003	0.011	0.1
Lead	0.003	0.009	0.2
Mercury	0.01	0.033	<LOQ

Date Tested: 12/09/2020

LOQ = Limit of Quantitation; LOD = Limit of Detection; NT = Not Tested; ND = Not Detected.


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 Douglas Duncan
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 12/14/2020

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 12/14/2020