

Tropical Storm

Sample ID: 2105CSALA5655.4034

Matrix: Other

Type: Industrial Hemp Testing

Sample Size: 1 units

County Sample ID:

Produced: N/A

Collected: 05/24/2021

Received: 05/24/2021

Completed: 06/01/2021

Physical Address:

Sampler:

Sample Received By:

Sample Tested By: Richard Butunts

Whole Organix LLC

Registration #:

Registrant Name:

Registrant Contact #:



Summary

19.1554% 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	0.1289	0.2433	16.6806	166.8057
CBCA	0.2165	0.2433	0.8317	8.3170
THCa	0.18	0.2433	0.6092	6.0923
CBGa	0.1825	0.2433	0.4677	4.6768
CBD	0.1703	0.2433	0.3656	3.6565
Δ9-THC	0.2019	0.2433	0.1275	1.2748
CBDVA	0.2311	0.2433	0.0731	0.7307
CBC	0.2068	0.2433	ND	ND
CBDV	0.1995	0.2433	ND	ND
CBG	0.2238	0.2433	ND	ND
CBN	0.2384	0.2433	ND	ND
CBT	0.2044	0.9488	ND	ND
THCV	0.236	0.2433	ND	ND
THCVA	0.236	0.2433	ND	ND
Δ8-THC	0.2141	0.2433	ND	ND
Total THC			0.6618	6.6177
Total			19.1554	191.5537

0.1275%
Δ9-THC
14.9945%
Total CBD

Date Tested: 05/25/2021

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;

Terpenes

Testing method: HS-GC-FID - SOP 201

Analyte	LOD	LOQ	Results	Results
	%	%	%	mg/g
β-Myrcene	0.0076	0.0232	0.29	2.89
α-Pinene	0.0056	0.0169	0.21	2.10
β-Pinene	0.0047	0.0142	0.08	0.83
β-Caryophyllene	0.0055	0.0167	0.05	0.54
δ-Limonene	0.0051	0.0153	0.04	0.35
Linalool	0.0073	0.022	0.03	0.32
α-Bisabolol	0.0094	0.0285	<LOQ	<LOQ
trans-Nerolidol	0.007	0.0212	<LOQ	<LOQ
α-Humulene	0.0055	0.0167	<LOQ	<LOQ
Terpinolene	0.0054	0.0162	ND	ND
Caryophyllene Oxide	0.0278	0.0844	ND	ND
Camphene	0.0052	0.0157	ND	ND
Guaiol	0.0106	0.0322	ND	ND
Eucalyptol	0.0056	0.0169	ND	ND
Geraniol	0.0065	0.0198	ND	ND
Isopulegol	0.009	0.0273	ND	ND
Ocimene	0.0035	0.012	ND	ND
p-Cymene	0.0052	0.0156	ND	ND
α-Terpinene	0.0053	0.0159	ND	ND
γ-Terpinene	0.0053	0.0162	ND	ND
δ-3-Carene	0.0051	0.0154	ND	ND
Total			0.70	7.03

Date Tested: 05/27/2021

Total THC = THCa * 0.877 + d9-THC

Total CBD = CBDa * 0.877 + CBD

10.11%
 Moisture

 Moisture Analyzer SOP-103
 Date Tested: 05/25/2021

Tested
0.49 aw
 Water Activity

 Water Activity Meter SOP-102
 Date Tested: 05/27/2021

Tested
 Foreign Matter

 Visual Inspection SOP-600
 Date Tested: 05/27/2021

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



 Cecilia Melgar
 COA Review
 06/01/2021

Tropical Storm

Sample ID: 2105CSALA5655.4034

Matrix: Other

Type: Industrial Hemp Testing

Sample Size: 1 units

County Sample ID:

Produced: N/A

Collected: 05/24/2021

Received: 05/24/2021

Completed: 06/01/2021

Physical Address:

Sampler:

Sample Received By:

Sample Tested By: Richard Butunts

Whole Organix LLC

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	0.0174	0.0746	ND	Fludioxonil	0.0062	0.097	ND
Acephate	0.01	0.097	ND	Hexythiazox	0.0062	0.097	ND
Acequinocyl	0.0149	0.097	ND	Imazalil *	0.005	0.097	ND
Acetamiprid	0.0025	0.097	ND	Imidacloprid	0.0062	0.097	ND
Aldicarb *	0.0236	0.097	ND	Kresoxim Methyl	0.0062	0.097	ND
Azoxystrobin	0.005	0.097	ND	Malathion	0.0075	0.097	ND
Bifenazate	0.0124	0.097	ND	Metaxyl	0.0062	0.097	ND
Bifenthrin	0.0162	0.097	ND	Methiocarb *	0.0112	0.097	ND
Boscalid	0.0075	0.097	ND	Methomyl	0.0062	0.097	ND
Captan	0.0236	0.3887	ND	Methyl Parathion *	0.0174	0.0485	ND
Carbaryl	0.0062	0.097	ND	Mevinphos *	0.0261	0.097	ND
Carbofuran *	0.0062	0.097	ND	Myclobutanil	0.005	0.097	ND
Chlorantraniliprole	0.0199	0.097	ND	Naled	0.0087	0.097	ND
Chlordane *	0.0174	0.097	ND	Oxamyl	0.0037	0.097	ND
Chlorfenapyr *	0.0112	0.0485	ND	Paclobutrazol *	0.0062	0.097	ND
Chlorpyrifos *	0.005	0.097	ND	Pentachloronitrobenzene	0.0187	0.0485	ND
Clofentezine	0.0037	0.097	ND	Permethrin	0.0149	0.097	ND
Coumaphos *	0.0037	0.097	ND	Phosmet	0.0037	0.097	ND
Cyfluthrin	0.0211	0.097	ND	Piperonyl Butoxide	0.0062	0.097	ND
Cypermethrin	0.0149	0.097	ND	Prallethrin	0.005	0.097	ND
Daminozide *	0.0249	0.097	ND	Propiconazole	0.0062	0.097	ND
DDVP *	0.005	0.097	ND	Propoxur *	0.0025	0.097	ND
Diazinon	0.0025	0.097	ND	Pyrethrins	0.0535	0.0833	ND
Dimethoate *	0.0075	0.097	ND	Pyridaben	0.0062	0.097	ND
Dimethomorph	0.0162	0.097	ND	Spinetoram	0.0037	0.097	ND
Ethoprophos *	0.0062	0.097	ND	Spinosad	0.0037	0.0983	ND
Etofenprox *	0.0075	0.097	ND	Spiromesifen	0.0075	0.097	ND
Etoxazole	0.0062	0.097	ND	Spirotetramat	0.0062	0.097	ND
Fenhexamid	0.0187	0.097	ND	Spiroxamine *	0.005	0.097	ND
Fenoxycarb *	0.0075	0.097	ND	Tebuconazole	0.01	0.097	ND
Fenpyroximate	0.005	0.097	ND	Thiacloprid *	0.0174	0.097	ND
Fipronil *	0.0236	0.097	ND	Thiamethoxam	0.005	0.097	ND
Flonicamid	0.0087	0.097	ND	Trifloxystrobin	0.0149	0.097	ND

Date Tested: 05/27/2021

Total THC = THCa * 0.877 + d9-THC

Total CBD = CBDA * 0.877 + CBD

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


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

 Cecilia Melgar
 COA Review
 06/01/2021

Tropical Storm

Sample ID: 2105CSALA5655.4034

Matrix: Other

Type: Industrial Hemp Testing

Sample Size: 1 units

County Sample ID:

Produced: N/A

Collected: 05/24/2021

Received: 05/24/2021

Completed: 06/01/2021

Physical Address:

Sampler:

Sample Received By:

Sample Tested By: Richard Butunts

Whole Organix LLC

Registration #:

Registrant Name:

Registrant Contact #:

Microbials

Testing method: PCR-SOP 401

Analyte

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: 05/31/2021

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.

Tested

Mycotoxins

Testing method: LCMS-SOP 301

Analyte

Analyte	LOD	LOQ	Results
	µg/kg	µg/kg	µg/kg
Aflatoxin B1	1.2438	4.8507	ND
Aflatoxin B2	1.2438	5.0995	ND
Aflatoxin G1	1.2438	4.8507	ND
Aflatoxin G2	1.2438	4.8507	ND
Total Aflatoxins	4.9751	19.6517	ND
Ochratoxin A	4.9751	9.9502	ND

Date Tested: 05/27/2021

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.

Tested

Heavy Metals

Testing method: ICPMS-SOP 502

Analyte

Analyte	LOD	LOQ	Results
	µg/g	µg/g	µg/g
Arsenic	0.005	0.0498	0.073
Cadmium	0.003	0.0498	0.075
Lead	0.01	0.0498	0.160
Mercury	0.002	0.0498	<LOQ

Date Tested: 05/28/2021

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.

Tested


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

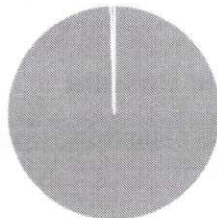
 Cecilia Melgar
 COA Review
 06/01/2021



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

Summary

Potency:

Analyte	Result (%)	 <ul style="list-style-type: none"> ● Δ8-THC ● Δ8-THCV 		
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:

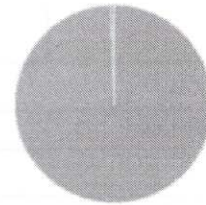
All analytes passing and less than LOQ.



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			
Total Cannabinoids†	92.6					



● Δ8-THC
● Δ8-THCV



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					
Method	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 (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	

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



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



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	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																						

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