

Llama Kush

Sample ID: 2105CSALA5655.4033
 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

21.2663% 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	0.1215	0.2293	18.5897	185.8969
CBCA	0.2041	0.2293	0.8569	8.5691
CBGa	0.172	0.2293	0.6395	6.3947
THCa	0.1697	0.2293	0.5832	5.8318
CBD	0.1605	0.2293	0.4506	4.5056
CBDVA	0.2178	0.2293	0.0768	0.7685
CBG	0.211	0.2293	0.0458	0.4575
CBC	0.1949	0.2293	0.0239	0.2390
CBDV	0.188	0.2293	ND	ND
CBN	0.2247	0.2293	ND	ND
CBT	0.1926	0.8943	ND	ND
THCV	0.2224	0.2293	ND	ND
THCVA	0.2224	0.2293	ND	ND
Δ8-THC	0.2018	0.2293	ND	ND
Δ9-THC	0.1903	0.2293	ND	ND
Total THC			0.5115	5.1145
Total			21.2663	212.6632

ND Δ9-THC	16.7537% Total CBD
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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	0.0074	0.0225	0.50	4.96
β-Caryophyllene	0.0054	0.0163	0.20	2.04
α-Pinene	0.0054	0.0164	0.13	1.31
α-Humulene	0.0053	0.0162	0.06	0.61
β-Pinene	0.0045	0.0138	0.06	0.55
α-Bisabolol	0.0091	0.0277	0.04	0.45
δ-Limonene	0.0049	0.0149	0.04	0.38
Linalool	0.0071	0.0214	0.03	0.28
trans-Nerolidol	0.0068	0.0206	0.03	0.27
Guaiol	0.0103	0.0313	<LOQ	<LOQ
Caryophyllene Oxide	0.0271	0.082	ND	ND
Terpinolene	0.0052	0.0158	ND	ND
Camphene	0.005	0.0153	ND	ND
Eucalyptol	0.0054	0.0165	ND	ND
Geraniol	0.0064	0.0193	ND	ND
Isopulegol	0.0087	0.0265	ND	ND
Ocimene	0.0034	0.0117	ND	ND
p-Cymene	0.005	0.0152	ND	ND
α-Terpinene	0.0051	0.0155	ND	ND
γ-Terpinene	0.0052	0.0158	ND	ND
δ-3-Carene	0.005	0.015	ND	ND
Total			1.09	10.85

Date Tested: 05/27/2021

Total THC = THCa * 0.877 + d9-THC

Total CBD = CBDa * 0.877 + CBD

10.78% Moisture Moisture Analyzer SOP-103 Date Tested: 05/25/2021	Tested 0.63 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
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 LABORATORY
 Accreditation No. 73653

Cecilia Melgar
 COA Review
 06/01/2021

Llama Kush

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Matrix: Other

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Physical Address:

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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	0.0172	0.0739	ND	Fludioxonil	0.0062	0.0961	ND
Acephate	0.0099	0.0961	ND	Hexythiazox	0.0062	0.0961	ND
Acequinocyl	0.0148	0.0961	ND	Imazalil *	0.0049	0.0961	ND
Acetamiprid	0.0025	0.0961	ND	Imidacloprid	0.0062	0.0961	ND
Aldicarb *	0.0234	0.0961	ND	Kresoxim Methyl	0.0062	0.0961	ND
Azoxystrobin	0.0049	0.0961	ND	Malathion	0.0074	0.0961	ND
Bifenazate	0.0123	0.0961	ND	Metaxyl	0.0062	0.0961	ND
Bifenthrin	0.016	0.0961	ND	Methiocarb *	0.0111	0.0961	ND
Boscalid	0.0074	0.0961	ND	Methomyl	0.0062	0.0961	ND
Captan	0.0234	0.3849	ND	Methyl Parathion *	0.0172	0.048	ND
Carbaryl	0.0062	0.0961	ND	Mevinphos *	0.0259	0.0961	ND
Carbofuran *	0.0062	0.0961	ND	Myclobutanil	0.0049	0.0961	ND
Chlorantraniliprole	0.0197	0.0961	ND	Naled	0.0086	0.0961	ND
Chlordane *	0.0172	0.0961	ND	Oxamyl	0.0037	0.0961	ND
Chlorfenapyr *	0.0111	0.048	ND	Paclobutrazol *	0.0062	0.0961	ND
Chlorpyrifos *	0.0049	0.0961	ND	Pentachloronitrobenzene	0.0185	0.048	ND
Clofentezine	0.0037	0.0961	ND	Permethrin	0.0148	0.0961	ND
Coumaphos *	0.0037	0.0961	ND	Phosmet	0.0037	0.0961	ND
Cyfluthrin	0.0209	0.0961	ND	Piperonyl Butoxide	0.0062	0.0961	ND
Cypermethrin	0.0148	0.0961	ND	Prallethrin	0.0049	0.0961	ND
Daminozide *	0.0246	0.0961	ND	Propiconazole	0.0062	0.0961	ND
DDVP *	0.0049	0.0961	ND	Propoxur *	0.0025	0.0961	ND
Diazinon	0.0025	0.0961	ND	Pyrethrins	0.053	0.0825	ND
Dimethoate *	0.0074	0.0961	ND	Pyridaben	0.0062	0.0961	ND
Dimethomorph	0.016	0.0961	ND	Spinetoram	0.0037	0.0961	ND
Ethoprophos *	0.0062	0.0961	ND	Spinosad	0.0037	0.0973	ND
Etofenprox *	0.0074	0.0961	ND	Spiromesifen	0.0074	0.0961	ND
Etoxazole	0.0062	0.0961	ND	Spirotetramat	0.0062	0.0961	ND
Fenhexamid	0.0185	0.0961	ND	Spiroxamine *	0.0049	0.0961	ND
Fenoxycarb *	0.0074	0.0961	ND	Tebuconazole	0.0099	0.0961	ND
Fenpyroximate	0.0049	0.0961	ND	Thiacloprid *	0.0172	0.0961	ND
Fipronil *	0.0234	0.0961	ND	Thiamethoxam	0.0049	0.0961	ND
Flonicamid	0.0086	0.0961	ND	Trifloxystrobin	0.0148	0.0961	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.


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 Cecilia Melgar
 COA Review
 06/01/2021

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Physical Address:

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Sample Received By:

Sample Tested By: Richard Butunts

Whole Organix LLC

Registration #:

Registrant Name:

Registrant Contact #:

Microbials

Testing method: PCR-SOP 401

Analyte

Aspergillus flavus

Aspergillus fumigatus

Aspergillus niger

Aspergillus terreus

Salmonella

Shiga toxin-producing E. Coli

Result

Not Detected

Not Detected

Not Detected

Not Detected

Not Detected

Not Detected

Tested

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.

Mycotoxins

Testing method: LCMS-SOP 301

Analyte

Aflatoxin B1

Aflatoxin B2

Aflatoxin G1

Aflatoxin G2

Total Aflatoxins

Ochratoxin A

LOD

µg/kg

1.2315

1.2315

1.2315

1.2315

4.9261

4.9261

LOQ

µg/kg

4.803

5.0493

4.803

4.803

19.4581

9.8522

Results

µg/kg

ND

ND

ND

ND

ND

ND

Tested

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.

Heavy Metals

Testing method: ICPMS-SOP 502

Analyte

Arsenic

Cadmium

Lead

Mercury

LOD

µg/g

0.0049

0.003

0.0098

0.002

LOQ

µg/g

0.0492

0.0492

0.0492

0.0492

Results

µg/g

0.072

0.049

0.167

<LOQ

Tested

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.


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 Cecilia Melgar
 COA Review
 06/01/2021



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

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

Summary

Potency:

Analyte	Result (%)		
Δ8-THC†	92.2		CBD Total <LOQ
Δ8-THCV	0.417		THC-Total <LOQ (Reported in percent of total sample)

Residual Solvents:

All analytes passing and less than LOQ.

Pesticides:

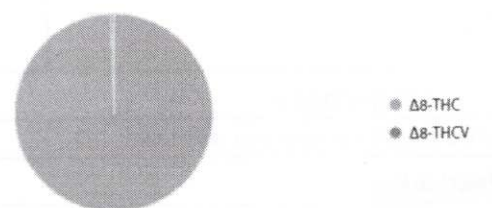
All analytes passing and less than LOQ.



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					





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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	

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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



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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																						

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