

## Blue Orchid

Sample ID: 2011CSALA3184.8032

Matrix: Other

Type: Industrial Hemp Testing

Sample Size: 11 grams

County Sample ID:

Produced: N/A

Collected: 11/11/2020

Received: 11/11/2020

Completed: 11/18/2020

Physical Address:

Sampler:

Sample Received By:

Sample Tested By: Grant Sullivan

Whole Organix LLC

Registration #:

Registrant Name:

Registrant Contact #:



### Summary

<b>16.6083%</b> Total Cannabinoids	<b>Tested</b> Pesticides	<b>Not Tested</b> Residual Solvents
<b>Tested</b> Microbials	<b>Tested</b> Mycotoxins	<b>Tested</b> Heavy Metals

### Cannabinoids

Testing method: HPLC-SOP 101

Analyte	LOD	LOQ	Results	Results
	mg/g	mg/g	%	mg/g
CBDa	0.0012	0.0037	15.0180	150.1797
CBGa	0.0016	0.005	0.8454	8.4540
THCa	0.002	0.006	0.5274	5.2744
CBD	0.0059	0.018	0.1536	1.5364
CBG	0.0047	0.0143	0.0468	0.4682
CBC	0.0009	0.0027	0.0170	0.1701
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
Δ9-THC	0.0038	0.0115	ND	ND
<b>Total</b>			<b>16.6083</b>	<b>166.0828</b>

**ND**
**Δ9-THC**
**13.3244%**
**Total CBD**

Date Tested: 11/12/2020

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	0.58	5.77
β-Caryophyllene	0.006	0.0173	0.16	1.62
α-Pinene	0.006	0.0175	0.14	1.38
Caryophyllene Oxide	0.029	0.0874	<LOQ	<LOQ
β-Pinene	0.005	0.0147	0.06	0.56
α-Humulene	0.006	0.0173	0.05	0.50
α-Bisabolol	0.01	0.0295	0.05	0.50
Guaiol	0.011	0.0334	<LOQ	<LOQ
δ-Limonene	0.005	0.0159	0.03	0.32
Linalool	0.008	0.0228	0.03	0.29
Ocimene	0.004	0.0109	0.02	0.25
Terpinolene	0.006	0.0168	<LOQ	<LOQ
Camphene	0.005	0.0163	ND	ND
Eucalyptol	0.006	0.0175	ND	ND
Geraniol	0.007	0.0205	ND	ND
Isopulegol	0.009	0.0282	ND	ND
p-Cymene	0.005	0.0162	ND	ND
trans-Nerolidol	0.007	0.0219	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
<b>Total</b>			<b>1.12</b>	<b>11.19</b>

Date Tested: 11/16/2020

<b>10.8%</b> Moisture Moisture Analyzer SOP-103 Date Tested: 11/13/2020	<b>Tested</b> <b>0.530 aw</b> Water Activity Water Activity Meter SOP-102 Date Tested: 11/16/2020	<b>Tested</b> Foreign Matter Visual Inspection SOP-600 Date Tested: 11/13/2020
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 ISO / IEC 17025:2017 ACCREDITED  
 LABORATORY  
 Accreditation No. 73653



 Douglas Duncan  
 Lab Director  
 11/18/2020



 Cecilia Melgar  
 COA Review  
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## Pesticides

Testing method: LCMS &amp; 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	0.0009	0.003	ND	Fludioxonil	0.0143	0.048	ND
Acephate	0.005	0.017	ND	Hexythiazox	0.0237	0.079	ND
Acequinocyl	0.0193	0.064	ND	Imazalil *	0.0077	0.026	ND
Acetamiprid	0.0073	0.024	ND	Imidacloprid	0.0053	0.018	ND
Aldicarb *	0.0094	0.031	ND	Kresoxim Methyl	0.0182	0.061	ND
Azoxystrobin	0.015	0.05	ND	Malathion	0.015	0.05	ND
Bifenazate	0.0129	0.043	ND	Metalaxyl	0.0076	0.025	ND
Bifenthrin	0.029	0.097	ND	Methiocarb *	0.0103	0.034	ND
Boscalid	0.0172	0.058	ND	Methomyl	0.0109	0.036	ND
Captan	0.036	0.12	ND	Methyl Parathion *	0.0091	0.0303	ND
Carbaryl	0.0542	0.181	ND	Mevinphos *	0.0041	0.014	ND
Carbofuran *	0.0077	0.026	ND	Myclobutanil	0.01	0.033	ND
Chlorantraniliprole	0.0095	0.032	ND	Naled	0.0107	0.036	ND
Chlordane *	0.0055	0.0182	ND	Oxamyl	0.0071	0.024	ND
Chlorfenapyr *	0.0048	0.0159	ND	Paclobutrazol *	0.0092	0.031	ND
Chlorpyrifos *	0.0197	0.066	ND	Pentachloronitrobenzene	0.0084	0.0279	ND
Clofentezine	0.0216	0.072	ND	Permethrin	0.0142	0.048	ND
Coumaphos *	0.0196	0.065	ND	Phosmet	0.0138	0.046	ND
Cyfluthrin	0.0107	0.036	ND	Piperonyl Butoxide	0.0156	0.052	ND
Cypermethrin	0.0105	0.035	ND	Prallethrin	0.018	0.06	ND
Daminozide *	0.0052	0.017	ND	Propiconazole	0.013	0.043	ND
DDVP *	0.0081	0.027	ND	Propoxur *	0.0097	0.033	ND
Diazinon	0.0134	0.045	ND	Pyrethrins	0.0025	0.008	ND
Dimethoate *	0.0083	0.028	ND	Pyridaben	0.0236	0.079	ND
Dimethomorph	0.0025	0.008	ND	Spinetoram	0.0042	0.014	ND
Ethoprophos *	0.0112	0.037	ND	Spinosad	0.0002	0.001	ND
Etofenprox *	0.0247	0.082	ND	Spiromesifen	0.0199	0.066	ND
Etoxazole	0.0269	0.09	ND	Spirotetramat	0.0068	0.023	ND
Fenhexamid	0.0215	0.072	ND	Spiroxamine *	0.0065	0.022	ND
Fenoxycarb *	0.0186	0.062	ND	Tebuconazole	0.0099	0.033	ND
Fenpyroximate	0.0253	0.084	ND	Thiacloprid *	0.0094	0.031	ND
Fipronil *	0.0228	0.076	ND	Thiamethoxam	0.005	0.017	ND
Flonicamid	0.0073	0.024	ND	Trifloxystrobin	0.0192	0.064	ND

Date Tested: 11/17/2020

\* 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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## 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

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## 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: 11/17/2020

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## 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	ND

Date Tested: 11/16/2020

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