

EVIO Labs Medford (pka Kenevir Research)
 540 East Vilas Road, Suite F, Central Point, OR 97502
 541-668-7444 / OLCC 010-1001626980D / www.EVIOLabs.com

FOR INFORMATIONAL USE ONLY - NOT FOR REGULATORY PURPOSES

Sour Space Candy

Cascadia Blooms Nursery LLC

Info Only

Sample ID: M190208-01

METRC Batch #:

Matrix: Industrial Hemp

Date Sampled: 02/19/19 09:00

Date Accepted: 02/19/19

Batch ID:

Batch Size:

Sampling Method/SOP: SOP.T.20.010

Yeast and Mold Enumeration

Date/Time Extracted: 02/20/19 17:14

Analysis Method/SOP: SOP.T.40.040

Date/Time Analyzed: 02/26/19 10:51

Total Colonies: 2200 CFU/g

About Your Yeast and Mold Results

Botanical materials often have total yeast and mold counts between 1,500 - 7,500 CFU/g. Products that have undergone exposure to solvents, such as alcohol tinctures or concentrated materials extracted with butane, propane, hexane, carbon dioxide, or other organic solvents will typically feature total yeast and mold counts at 0 CFU/g.

The American Herbal Pharmacopoeia recommends herbal products contain no greater than 10,000 CFU/g of total yeasts and molds. Results above 10,000 CFU/g will be highlighted **Red**.

Yeasts vs Molds

Yeasts and molds are both broad types of fungi. Yeasts are unicellular and reproduce by budding, creating a small smooth appearance, whereas molds are multicellular and grow through fungal strands called hyphae, creating a fuzzy appearance often associated with mold.

Yeasts and molds are commonly found on natural products, and not all are harmful. Nevertheless, yeasts and molds, as well as their spores, can cause lung irritation, facilitate allergic reactions, or even present life-threatening conditions for immuno-compromised consumers. For instance, the dark mold, *Aspergillus*, can produce toxic chemical byproducts which can be harmful to human health. *Aspergillus* spores can lodge in small crevices in the lungs and grow, leading to a potentially life-threatening condition called Aspergillosis.

A simple total yeast and mold count can be a great way to monitor for potential health hazards in botanical products and help ensure the safety of consumers.



Ian Riversong
 Laboratory Director - 3/4/2019

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Cascadia Blooms Nursery LLC

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Sample ID: M190162-01

METRC Batch #:

Matrix: Industrial Hemp

Date Sampled: 02/07/19 09:00

Date Accepted: 02/07/19

Batch ID:

Batch Size:

Sampling Method/SOP: SOP.T.20.010

Pesticides

Date/Time Extracted: 02/12/19 11:16

Date/Time Analyzed: 2/12/2019 5:04:38PM

Analysis Method/SOP: SOP.T.30.060

Analyte	LOQ	Action Level	Result	Units	Type
Abamectin	0.250	0.5	< LOQ	ppm	
Acephate	0.200	0.4	< LOQ	ppm	Organophosphate insecticide
Acequinocyl	1.00	2	< LOQ	ppm	
Acetamiprid	0.200	0.2	< LOQ	ppm	Neonicotinoid insecticide
Aldicarb	0.200	0.4	< LOQ	ppm	Carbamate insecticide
Azoxystrobin	0.200	0.2	< LOQ	ppm	
Bifenazate	0.200	0.2	< LOQ	ppm	Unclassified insecticide
Bifenthrin	0.200	0.2	< LOQ	ppm	
Boscalid	0.200	0.4	< LOQ	ppm	Anilide fungicide
Carbaryl	0.200	0.2	< LOQ	ppm	Carbamate insecticide
Carbofuran	0.200	0.2	< LOQ	ppm	Carbamate insecticide
Chlorantraniliprole	0.200	0.2	< LOQ	ppm	Anthranilic diamide insecticide
Chlorfenapyr	0.500	1	< LOQ	ppm	Pyrazole insecticide
Chlorpyrifos	0.200	0.2	< LOQ	ppm	Organophosphate insecticide
Clofentezine	0.200	0.2	< LOQ	ppm	
Cyfluthrin	0.500	1	< LOQ	ppm	
Cypermethrin	0.500	1	< LOQ	ppm	
Daminozide	0.500	1	< LOQ	ppm	
DDVP (Dichlorvos)	0.500	1	< LOQ	ppm	
Diazinon	0.200	0.2	< LOQ	ppm	Organophosphate insecticide
Dimethoate	0.200	0.2	< LOQ	ppm	
Ethoprophos	0.200	0.2	< LOQ	ppm	
Etofenprox	0.200	0.4	< LOQ	ppm	
Etoxazole	0.200	0.2	< LOQ	ppm	Unclassified miticide
Fenoxycarb	0.200	0.2	< LOQ	ppm	
Fenpyroximate	0.200	0.4	< LOQ	ppm	
Fipronil	0.200	0.4	< LOQ	ppm	Pyrazole insecticide
Fonicamid	0.500	1	< LOQ	ppm	Pyridinecarboxamide insecticide
Fludioxonil	0.200	0.4	< LOQ	ppm	non-systemic fungicide
Hexythiazox	0.500	1	< LOQ	ppm	
Imazalil	0.200	0.2	< LOQ	ppm	Azole fungicide
Imidacloprid	0.200	0.4	< LOQ	ppm	Neonicotinoid insecticide
Kresoxim-methyl	0.200	0.4	< LOQ	ppm	
Malathion	0.200	0.2	< LOQ	ppm	
Metalaxyl	0.200	0.2	< LOQ	ppm	
Methiocarb	0.200	0.2	< LOQ	ppm	Carbamate insecticide



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Date Sampled: 02/07/19 09:00

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Batch ID:

Batch Size:

Sampling Method/SOP: SOP.T.20.010

Pesticides

Date/Time Extracted: 02/12/19 11:16

Date/Time Analyzed: 2/12/2019 5:04:38PM

Analysis Method/SOP: SOP.T.30.060

Analyte	LOQ	Action Level	Result	Units	Type
Methomyl	0.200	0.4	< LOQ	ppm	Carbamate insecticide
Methyl parathion	0.200	0.2	< LOQ	ppm	
MGK-264	0.200	0.2	< LOQ	ppm	
Myclobutanil	0.200	0.2	< LOQ	ppm	Azole fungicide
Naled	0.250	0.5	< LOQ	ppm	
Oxamyl	0.500	1	< LOQ	ppm	Carbamate insecticide
Paclobutrazol	0.200	0.4	< LOQ	ppm	Azole plant growth regulator
Permethrins	0.200	0.2	< LOQ	ppm	
Phosmet	0.200	0.2	< LOQ	ppm	Organophosphate insecticide
Piperonyl butoxide	1.00	2	< LOQ	ppm	
Prallethrin	0.200	0.2	< LOQ	ppm	
Propiconazole	0.200	0.4	< LOQ	ppm	
Propoxur	0.200	0.2	< LOQ	ppm	Carbamate insecticide
Pyrethrins	0.500	1	< LOQ	ppm	
Pyridaben	0.200	0.2	< LOQ	ppm	Unclassified insecticide
Spinosad	0.200	0.2	< LOQ	ppm	Spinosyn insecticide
Spiromesifen	0.200	0.2	< LOQ	ppm	Keto-enol insecticide
Spirotetramat	0.200	0.2	< LOQ	ppm	Keto-enol insecticide
Spiroxamine	0.200	0.4	< LOQ	ppm	Unclassified fungicide
Tebuconazole	0.200	0.4	< LOQ	ppm	
Thiacloprid	0.200	0.2	< LOQ	ppm	
Thiamethoxam	0.200	0.2	< LOQ	ppm	Neonicotinoid insectide
Trifloxystrobin	0.200	0.2	< LOQ	ppm	Strobin fungicide

Results above the action level fail Oregon state testing requirements and will be highlighted RED.

LOQ= Limit of Quantitation; PPM= Parts per million; ND= Not detected; NT= Not tested; AC= Above calibration range.

Pesticide testing performed in conjunction with , an ORELAP and ISO 17025 accredited laboratory.

PASS/FAIL status based on OAR 333-007.



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Quality Control

Batch: M19B037 - ODA Exhibit B/ SOP.T.30.050 Prep for Cannabinoids

Blank(M19B037-BLK1)			Extracted: 02/11/19 15:07		Analyzed: 02/11/19 23:31		
Analyte	Result	LOQ	Recovery Limits	Analyte	Result	LOQ	Recovery Limits
THCA	< LOQ	0.050 (%)	< LOQ	delta 9-THC	< LOQ	0.050 (%)	< LOQ
delta 8-THC	< LOQ	0.050 (%)	< LOQ	CBDA	< LOQ	0.050 (%)	< LOQ
CBD	< LOQ	0.050 (%)	< LOQ	CBG	< LOQ	0.050 (%)	< LOQ
CBN	< LOQ	0.050 (%)	< LOQ	CBC	< LOQ	0.050 (%)	< LOQ
Sum of tested Cannabinoid:	< LOQ	0.050 (%)	< LOQ				

LCS(M19B037-BS1)			Extracted: 02/11/19 15:07		Analyzed: 02/11/19 23:48		
Analyte	% Recovery	LOQ	Recovery Limits	Analyte	% Recovery	LOQ	Recovery Limits
THCA	95.2	(%)	70-130	delta 9-THC	95.6	(%)	70-130
CBDA	96.6	(%)	70-130	CBD	95.9	(%)	70-130

Batch: M19B040 - SOP.T.30.061 Pesticide Prep

Blank(M19B040-BLK1)			Extracted: 02/12/19 11:16		Analyzed: 02/12/19 16:47		
Analyte	Result	LOQ	Recovery Limits	Analyte	Result	LOQ	Recovery Limits
Cyfluthrin	< LOQ	0.500 (ppm)	< LOQ	Cypermethrin	< LOQ	0.500 (ppm)	< LOQ
MGK-264	< LOQ	0.200 (ppm)	< LOQ	Chlorfenapyr	< LOQ	0.500 (ppm)	< LOQ
Methyl parathion	< LOQ	0.200 (ppm)	< LOQ	Acequinocyl	< LOQ	1.00 (ppm)	< LOQ
Bifenthrin	< LOQ	0.200 (ppm)	< LOQ	Acephate	< LOQ	0.200 (ppm)	< LOQ
Abamectin	< LOQ	0.250 (ppm)	< LOQ	Acetamiprid	< LOQ	0.200 (ppm)	< LOQ
Aldicarb	< LOQ	0.200 (ppm)	< LOQ	Azoxystrobin	< LOQ	0.200 (ppm)	< LOQ
Bifenazate	< LOQ	0.200 (ppm)	< LOQ	Boscalid	< LOQ	0.200 (ppm)	< LOQ
Carbaryl	< LOQ	0.200 (ppm)	< LOQ	Carbofuran	< LOQ	0.200 (ppm)	< LOQ
Chlorantraniliprole	< LOQ	0.200 (ppm)	< LOQ	Chlorpyrifos	< LOQ	0.200 (ppm)	< LOQ
Clofentezine	< LOQ	0.200 (ppm)	< LOQ	Daminozide	< LOQ	0.500 (ppm)	< LOQ
DDVP (Dichlorvos)	< LOQ	0.500 (ppm)	< LOQ	Diazinon	< LOQ	0.200 (ppm)	< LOQ
Dimethoate	< LOQ	0.200 (ppm)	< LOQ	Ethoprophos	< LOQ	0.200 (ppm)	< LOQ
Etofenprox	< LOQ	0.200 (ppm)	< LOQ	Etoazole	< LOQ	0.200 (ppm)	< LOQ
Fenoxycarb	< LOQ	0.200 (ppm)	< LOQ	Fenpyroximate	< LOQ	0.200 (ppm)	< LOQ
Fipronil	< LOQ	0.200 (ppm)	< LOQ	Flonicamid	< LOQ	0.500 (ppm)	< LOQ
Fludioxonil	< LOQ	0.200 (ppm)	< LOQ	Hexythiazox	< LOQ	0.500 (ppm)	< LOQ
Imazalil	< LOQ	0.200 (ppm)	< LOQ	Imidacloprid	< LOQ	0.200 (ppm)	< LOQ
Kresoxim-methyl	< LOQ	0.200 (ppm)	< LOQ	Malathion	< LOQ	0.200 (ppm)	< LOQ
Metalaxyl	< LOQ	0.200 (ppm)	< LOQ	Methiocarb	< LOQ	0.200 (ppm)	< LOQ
Methomyl	< LOQ	0.200 (ppm)	< LOQ	Myclobutanil	< LOQ	0.200 (ppm)	< LOQ
Naled	< LOQ	0.250 (ppm)	< LOQ	Oxamyl	< LOQ	0.500 (ppm)	< LOQ
Paclobutrazol	< LOQ	0.200 (ppm)	< LOQ	Permethrins	< LOQ	0.200 (ppm)	< LOQ
Phosmet	< LOQ	0.200 (ppm)	< LOQ	Piperonyl butoxide	< LOQ	1.00 (ppm)	< LOQ



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Quality Control

Batch: M19B040 - SOP.T.30.061 Pesticide Prep (Continued)

Blank(M19B040-BLK1)			Extracted: 02/12/19 11:16		Analyzed: 02/12/19 16:17		
Analyte	Result	LOQ	Recovery Limits	Analyte	Result	LOQ	Recovery Limits
Prallethrin	< LOQ	0.200 (ppm)	< LOQ	Propiconazole	< LOQ	0.200 (ppm)	< LOQ
Propoxur	< LOQ	0.200 (ppm)	< LOQ	Pyrethrins	< LOQ	0.500 (ppm)	< LOQ
Pyridaben	< LOQ	0.200 (ppm)	< LOQ	Spinosad	< LOQ	0.200 (ppm)	< LOQ
Spiromesifen	< LOQ	0.200 (ppm)	< LOQ	Spirotetramat	< LOQ	0.200 (ppm)	< LOQ
Spiroxamine	< LOQ	0.200 (ppm)	< LOQ	Tebuconazole	< LOQ	0.200 (ppm)	< LOQ
Thiacloprid	< LOQ	0.200 (ppm)	< LOQ	Thiamethoxam	< LOQ	0.200 (ppm)	< LOQ
Trifloxystrobin	< LOQ	0.200 (ppm)	< LOQ				



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