

# EVIO Labs Portland 14775 SW 74th Ave, Tigard, OR 97224

503-954-2562 / OLCC 010-10046111391 / www.EVIOLabs.com

### Gummie

Melior, LLC.

Info Only- Edibles/Infused Project

Confident Cannabis ID: 1906ELP0061.1907

Sample ID: P190462-02

Matrix: Cannabinoid Product (solid)

METRC Batch #:

Sampling Method/SOP: SOP.T.20.010

Date Sampled: 06/17/19 09:00

Date Accepted: 06/24/19 Harvest/Process Lot ID: Batch ID:

Batch Size (g): Unit for Sale:

Harvest/Production Date:

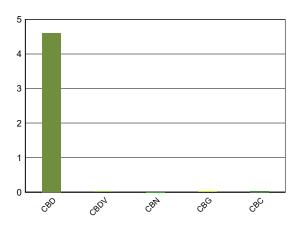


### **Cannabinoid Analysis**

#### FOR INFORMATIONAL USE ONLY - NOT FOR REGULATORY PURPOSES

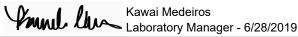
Date/Time Extracted: 06/18/19 11:51 Date/Time Analyzed: 06/18/19 13:36 Analysis Method/SOP: SOP.T.40.023PDX

Cannabinoids	LOQ(%)	mg/g	% weight
Total THC ((THCA*0.87	7)+∆9THC)	< LOQ	< LOQ
Total CBD ((CBDA*0.8	877)+CBD)	46.08	4.608
THCA	0.0500	< LOQ	< LOQ
delta 9-THC	0.0500	< LOQ	< LOQ
delta 8-THC	0.0500	< LOQ	< LOQ
CBGA	0.0500	< LOQ	< LOQ
CBDA	0.0500	< LOQ	< LOQ
CBD	0.0500	46.08	4.608
CBDV	0.0500	< LOQ	< LOQ
CBN	0.0500	< LOQ	< LOQ
CBG	0.0500	< LOQ	< LOQ
CBC	0.0500	< LOQ	< LOQ
THCV-A	0.0500	< LOQ	< LOQ
CBDV-A	0.0500	< LOQ	< LOQ
CBL	0.0500	< LOQ	< LOQ
Sum of tested Cannabinoids	0.0500	47.02	4.702



**Cannabinoid Profile** 

"Total THC" and "Total CBD" are calculated values and are an Oregon reporting requirement (OAR 333-064-0100). For Cannabinoid analysis, only delta 9-THC, THCA, CBD, CBDA are ORELAP accredited analytes. Cannabinoid values reported for plant matter are dry weight corrected; Oregon Water Activity action level is 0.65Aw and Oregon Moisture Content action level is 15%, Samples above limit will be highlighted RED; FD = Field Duplicate; LOQ = Limit of Quantitation.





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Gummie Date Sampled: 06/17/19 09:00

Melior, LLC. Date Accepted: 06/24/19

Info Only- Edibles/Infused Project Batch ID:

Sample ID: P190462-02 METRC Batch #: Batch Size:

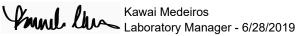
Matrix: Cannabinoid Product Sampling Method/SOP: SOP.T.20.010

#### **Pesticides**

Date/Time Extracted: 06/24/19 16:00 Date/Time Analyzed: 6/25/2019 12:55:31PM

Analysis Method/SOP: SOP.T.40.050 / SOP.T.40.051

Analyte	LOQ	Action Level	Result	Units	Туре
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 instecticide
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
Flonicamid	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 insectide
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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Gummie

Date Sampled: 06/17/19 09:00

Melior, LLC.

Date Accepted: 06/24/19

Info Only- Edibles/Infused Project

Batch ID:

Sample ID: P190462-02

Batch Size:

Matrix: Cannabinoid Product

Sampling Method/SOP: SOP.T.20.010

#### **Pesticides**

METRC Batch #:

Date/Time Extracted: 06/24/19 16:00

Date/Time Analyzed: 6/25/2019 12:55:31PM

Analysis Method/SOP: SOP.T.40.050 / SOP.T.40.051

Analyte	LOQ	Action Level	Result	Units	Туре
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. PASS/FAIL status based on OAR 333-007. Pesticide testing performed in conjunction with EVIO Labs Medford, an ORELAP accredited laboratory.



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Gummie

Melior, LLC.

Info Only- Edibles/Infused Project

Sample ID: P190462-02 METRC Batch #:

Matrix: Cannabinoid Product

Date Sampled: 06/17/19 09:00

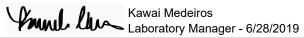
Date Accepted: 06/24/19

Batch ID: Batch Size:

Sampling Method/SOP: SOP.T.20.010

Matrix: Cannabinoid Pi	roduct				Sampling Method/SOP. SOP.1.20.010
		R	esidual S	olvents	
Analyte	LOQ	Action Level	Result	Units	Date/Time Extracted: 06/18/19 12:00
Butanes	250	5000 <sup>3</sup>	< LOQ	ppm	Date/Time Analyzed: 06/19/19 01:41
n-Butane	250	5000	< LOQ	ppm	Analysis Method/SOP: SOP.T.40.031
iso-Butane	250	5000	< LOQ	ppm	2. Tatal butains are calculated as
Hexanes	174	290 4	< LOQ	ppm	3 - Total butanes are calculated as sum of n-butanes (CAS# 106-97-8)
n-Hexane	174	290	< LOQ	ppm	and iso-butane (CAS# 75-28-5)
2-Methylpentane	174	290	< LOQ	ppm	and los batans (orten 10 20 0)
3-Methylpentane	174	290	< LOQ	ppm	4 - Total hexanes are calculated as
2,2-Dimethylbutane	174	290	< LOQ	ppm	sum of n-hexane (CAS# 110-54-3),
2,3-Dimethylbutane	174	290	< LOQ	ppm	2-methylpentane (CAS# 107-83-5),
Pentanes	1400	5000 5	< LOQ	ppm	3-methylpentane (CAS# 96-14-0),
n-Pentane	1400	5000	< LOQ	ppm	2,2-dimethylbutane (CAS# 75-83-2),
iso-Pentane	1400	5000	< LOQ	ppm	2,3-dimethylbutane (CAS# 79-29-8)
Neopentane	250	5000	< LOQ	ppm	5 - Total pentanes are calculated as
Xylenes	1302	2170	< LOQ	ppm	sum of n-pentane (CAS# 109-66-0),
1,2-Dimethylbenzene	1302	2170	< LOQ	ppm	iso-pentane (CAS# 78-78-4),
1,3-Dimethylbenzene	1302	2170	< LOQ	ppm	and neo-pentane (CAS# 463-82-1)
1,4-Dimethylbenzene	1302	2170	< LOQ	ppm	
Xylenes MP	1302	2170	< LOQ	ppm	6 - Total xylenes are calculated as
Ethyl benzene	1302	NA	< LOQ	ppm	1,2-dimethylbenzene (CAS# 95-47-6),
2-Propanol (IPA)	1400	5000	< LOQ	ppm	1,3-dimethylbenzene (CAS# 106-42-3), and 1-4-dimethylbenzene (CAS# 106-42-3)
Acetone	1400	5000	< LOQ	ppm	and 1-4-dimetry/benzene (CAS# 100-42-3)
Acetonitrile	246	410	< LOQ	ppm	7 - Ethanol is not regulated under
Benzene	1.2	2	< LOQ	ppm	OAR-333-007-0410.
Methanol	1000	3000	< LOQ	ppm	
Propane	250	5000	< LOQ	ppm	
Toluene	534	890	< LOQ	ppm	
Dichloromethane	360	600	< LOQ	ppm	
1,4-Dioxane	228	380	< LOQ	ppm	
2-Butanol	1400	5000	< LOQ	ppm	
2-Ethoxyethanol	96	160	< LOQ	ppm	
Cumene	42	70	< LOQ	ppm	
Cyclohexane	2278	3880	< LOQ	ppm	
Ethyl acetate	1400	5000	< LOQ	ppm	
Ethyl ether	1400	5000	< LOQ	ppm	
Ethylene glycol	558	620	< LOQ	ppm	
Ethylene oxide	30	50	< LOQ	ppm	
Heptane	1400	5000	< LOQ	ppm	
Isopropyl acetate	1400	5000	< LOQ	ppm	
Tetrahydrofuran	432	720	< LOQ	ppm	

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**Gummie** 

Melior, LLC.

**Sample ID**: P190462-02

Matrix: Cannabinoid Product (solid)

**Date Sampled:** 6/17/2019 9:00:00AM **Date Accepted:** 6/24/2019 3:59:57PM

### **Mycotoxins**

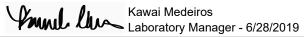
Date Analyzed: 06/20/19 Analysis Method/SOP: SOP.T.30.060

Analyte	LOD (ug/g)	LOQ (ug/g)	Action Level	Result (ug/g)	
Total Aflatoxins	7.20	17.2	20	ND	
Ochratoxin A	6.00	19.6	20	ND	

LOD= Limit of Detection; LOQ= Limit of Quantitation; ND= Not Detected;

The reported result is based on sample weight with the applicable moisture content for that sample;

Analytical instrumentation: Shimadzu LCMS 8060; Analysis performed in conjunction with EVIO Labs Berkeley. Not for Oregon compliance.





**Batch Size:** 

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Gummie Date Sampled: 06/17/19 09:00

Melior, LLC. Date Accepted: 06/24/19

Info Only- Edibles/Infused Project Batch ID:

METRC Batch #:

Matrix: Cannabinoid Product (solid) Sampling Method/SOP: SOP.T.20.010

### **Yeast and Mold Enumeration**

Date/Time Extracted: 06/18/19 12:18

Analysis Method/SOP: \*\*\* DEFAULT

Date/Time Analyzed: 06/20/19 13:42

Total Colonies: 0.00 CFU/g

Sample ID: P190462-02

#### **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 Pharmacoepia 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 apperance, 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 crevaces 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.



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**Gummie** 

Melior, LLC.

**Sample ID**: P190462-02

Matrix: Cannabinoid Product (solid)

**Date Sampled:** 6/17/2019 9:00:00AM **Date Accepted:** 6/24/2019 3:59:57PM

### **Heavy Metals**

Date Analyzed: 06/20/19

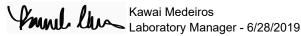
Analysis Method/SOP: SOP.T.40.060

Analyte	LOD (ug/g)	LOQ (ug/g)	Action Level	Result (ug/g)	
Mercury	0.0020	0.0067	0.1	ND	
Lead	0.0010	0.0032	0.5	ND	
Cadmium	0.0021	0.0068	0.2	ND	
Arsenic	0.0025	0.0083	0.2	ND	

LOD= Limit of Detection; LOQ= Limit of Quantitation; ND= Not Detected; The reported result is based on sample weight and reported 'as is.'

Analytical Instrumentation: Shimadzu ICP/MS. Analysis performed in conjunction with EVIO Labs Berkeley.

Results above the California state action levels will be highlighted Red. Not for Oregon compliance.





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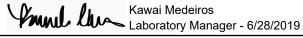
### **Quality Control**

Batch: M19F072 - SOP.T.30.060 Pesticide Prep

Blank(M19F072-BLK1)		Ex	ctracted: 06/2	4/19 16:00	Analyzed: 06/25		
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
tofenprox	< LOQ	0.200 (ppm)	< LOQ	Etoxazole	< LOQ	0.200 (ppm)	< LOQ
enoxycarb	< LOQ	0.200 (ppm)	< LOQ	Fenpyroximate	< LOQ	0.200 (ppm)	< LOQ
ipronil	< LOQ	0.200 (ppm)	< LOQ	Flonicamid	< LOQ	0.500 (ppm)	< LOQ
Fludioxonil	< LOQ	0.200 (ppm)	< LOQ	Hexythiazox	< LOQ	0.500 (ppm)	< LOQ
mazalil	< LOQ	0.200 (ppm)	< LOQ	Imidacloprid	< LOQ	0.200 (ppm)	< LOQ
Kresoxim-methyl	< LOQ	0.200 (ppm)	< LOQ	Malathion	< LOQ	0.200 (ppm)	< LOQ
/letalaxyl	< LOQ	0.200 (ppm)	< LOQ	Methiocarb	< LOQ	0.200 (ppm)	< LOQ
/lethomyl	< LOQ	0.200 (ppm)	< LOQ	Myclobutanil	< LOQ	0.200 (ppm)	< LOQ
laled	< 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
Prallethrin	< LOQ	0.200 (ppm)	< LOQ	Propiconazole	< LOQ	0.200 (ppm)	< LOQ
Propoxur	< LOQ	0.200 (ppm)	< LOQ	Pyrethrins	< LOQ	0.500 (ppm)	< LOQ
yridaben	< 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				

### Batch: P19F053 - SOP.T.30.050PDX Prep for Cannabinoids

Blank(P19F053-BLK1)		E	Extracted: 06/18/19 11:51			Analyzed: 06/18/19 13:15		
Analyte	Result	Recovery ult LOQ Limits Analy		Analyte	Result	LOQ	Recovery Limits	
THCA	< LOQ	0.0500 (%)	< LOQ	delta 9-THC	< LOQ	0.0500 (%)	< LOQ	
delta 8-THC	< LOQ	0.0500 (%)	< LOQ	CBDA	< LOQ	0.0500 (%)	< LOQ	
CBD	< LOQ	0.0500 (%)	< LOQ	CBG	< LOQ	0.0500 (%)	< LOQ	



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### **Quality Control**

Batch: P19F053 - SOP.T.30.050PDX Prep for Cannabinoids (Continued)

Blank(P19F053-BLK1)  Analyte Result		E	xtracted: 06/1	8/19 11:51	51 <b>Analyzed:</b> 06/18/19 13:15		
		LOQ	Recovery Limits Analyte F		Result	LOQ	Recovery Limits
CBN	< LOQ	0.0500 (%)	< LOQ	CBC	< LOQ	0.0500 (%)	< LOQ
Sum of tested Cannabinoids	<1.00	0.0500 (%)	< LOQ				