

**Io Extracts**

3000 E Valencia Rd Suite 160  
Tucson, AZ 85706  
linda@ioextracts.com  
(520) 409-1482  
Lic. #00000077DCPS00216601


**Sample: 2403LVL0399.2212**

Secondary License: ; Chain of Distribution:  
Strain: Sugar Puss X Monkey Berries; Batch#: GP-0318-SPMB; Batch Size: g  
Sample Received: 03/19/2024; Report Created: 03/29/2024; Expires: 03/29/2025  
Sampling Date: 03/18/2024; Sampling Time: 3:30 pm; Sampling Person: Carmen Hamilton  
Harvest Date: 10/22/2023; Manufacturing Date: 03/18/2024

**Suga Berries**

Concentrates & Extracts, Live Resin, Butane



	<b>81.69%</b>	<b>ND</b>	<b>85.46%</b>
	Total THC	Total CBD	
	<b>27.98 mg/g</b>	<b>Not Tested</b>	Total Cannabinoids
	Total Terpenes	NT Moisture	

**Cannabinoids**

Complete

Analyte	LOQ	Mass	Mass	Qualifier
	%	%	mg/g	
THCa	0.649	3.039	30.39	
Δ9-THC	0.649	79.030	790.30	
Δ8-THC	0.649	ND	ND	
THCVa	0.649	ND	ND	
THCV	0.649	<LOQ	<LOQ	
CBDa	0.649	ND	ND	
CBD	0.649	ND	ND	
CBDVa	0.649	ND	ND	
CBDV	0.649	ND	ND	
CBN	0.649	<LOQ	<LOQ	
CBGa	0.649	<LOQ	<LOQ	M1
CBG	0.649	1.093	10.93	
CBCa	0.649	0.682	6.82	Q3
CBC	0.649	1.611	16.11	
<b>Total</b>		<b>85.456</b>	<b>854.56</b>	<b>Q3</b>

Qualifiers:  
Date Tested: 03/19/2024 07:00 am

Total THC = THCa \* 0.877 + d9-THC  
Total CBD = CBDa \* 0.877 + CBD

The reported result is based on a sample weight with the applicable moisture content for that sample; Unless otherwise stated all quality control samples performed within specifications established by the Laboratory. Cannabinoid potency performed by HPLC-DAD per SOP-(1608). ADHS approved method for potency by HPLC-DAD for all listed analytes.

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## Terpenes

Analyte	LOQ	Mass	MassQualifier	Analyte	LOQ	Mass	MassQualifier		
	mg/g	mg/g	%		mg/g	mg/g	%		
β-Caryophyllene	0.77	8.87	0.887	Q3	cis-Nerolidol	0.77	ND	Q3	
Farnesene	0.06	5.11	0.511	Q3	Citronellol	3.86	ND	Q3	
δ-Limonene	0.77	4.15	0.415	Q3	Eucalyptol	0.39	<LOQ	<LOQ	Q3
α-Humulene	0.39	2.40	0.240	Q3	Fenchone	0.77	<LOQ	<LOQ	Q3
β-Myrcene	0.39	1.87	0.187	Q3	γ-Terpinene	0.39	<LOQ	<LOQ	Q3
α-Bisabolol	0.39	1.22	0.122	Q3	γ-Terpineol	0.08	ND	ND	Q3
α-Pinene	0.39	1.11	0.111	Q3	Geraniol	7.72	ND	ND	Q3
Fenchol	0.39	0.86	0.086	Q3	Geranyl Acetate	0.39	ND	ND	Q3
β-Eudesmol	0.39	0.81	0.081	Q3	Isoborneol	3.86	ND	ND	Q3
Caryophyllene Oxide	0.39	0.65	0.065	Q3	Isopulegol	0.39	ND	ND	Q3
Guaiol	0.39	0.54	0.054	Q3	Linalool	0.77	<LOQ	<LOQ	Q3
cis-Ocimene	0.11	0.39	0.039	Q3	Menthol	0.39	ND	ND	Q3
3-Carene	0.77	<LOQ	<LOQ	Q3	Nerol	0.39	ND	ND	Q3
α-Cedrene	0.39	ND	ND	Q3	Pulegone	0.39	ND	ND	Q3
α-Phellandrene	0.39	<LOQ	<LOQ	Q3	p-Cymene	0.39	ND	ND	Q3
α-Terpinene	0.39	<LOQ	<LOQ	Q3	Sabinene	0.39	ND	ND	Q3
α-Terpineol	0.63	<LOQ	<LOQ	Q3	Sabinene Hydrate	0.39	ND	ND	Q3
β-Pinene	0.77	<LOQ	<LOQ	Q3	Terpinolene	0.77	<LOQ	<LOQ	Q3
Borneol	1.16	<LOQ	<LOQ	Q3	trans-Nerolidol	0.39	ND	ND	Q3
Camphene	0.39	<LOQ	<LOQ	Q3	trans-Ocimene	0.25	ND	ND	Q3
Camphor	1.54	ND	ND	Q3	Valencene	0.39	ND	ND	Q3
Cedrol	0.39	ND	ND	Q3					


## Primary Aromas




Cinnamon




Magnolia



Lemon



Hops



Chamomile

**27.98 mg/g**  
Total Terpenes

Qualifiers:  
Date Tested: 03/28/2024 07:00 am

LOQ = Limit of Quantitation; The reported result is based on a sample weight with the applicable moisture content for that sample; Unless otherwise stated all quality control samples performed within specifications established by the Laboratory. Qualifying code Q3: For informational purposes only.

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## Residual Solvents

Pass

Analyte	LOQ PPM	Limit PPM	Mass PPM	Status	Qualifier
Acetone	358.330	1000.000	ND	Pass	L1 M1
Acetonitrile	145.660	410.000	ND	Pass	L1 M1
Benzene	0.710	2.000	ND	Pass	
Butanes	2384.130	5000.000	ND	Pass	R1
Chloroform	21.460	60.000	ND	Pass	M1
Dichloromethane	218.050	600.000	ND	Pass	M1
Ethanol	1777.880	5000.000	ND	Pass	L1 M1
Ethyl-Acetate	1779.560	5000.000	ND	Pass	M1
Ethyl-Ether	1772.620	5000.000	ND	Pass	
Heptane	1775.200	5000.000	ND	Pass	
Hexanes	102.330	290.000	ND	Pass	
Isopropanol	1769.540	5000.000	ND	Pass	
Isopropyl-Acetate	1772.820	5000.000	ND	Pass	M1
Methanol	1060.910	3000.000	ND	Pass	L1 M1 R1
Pentanes	1784.330	5000.000	ND	Pass	
Toluene	319.290	890.000	ND	Pass	M1
Xylenes	765.000	2170.000	ND	Pass	M1

**LEVEL ONE**

Qualifiers:  
Date Tested: 03/20/2024 07:00 am

Performed by GCMS-HS per SOP-LM-014. Methods used per AZDHS R9-17-404.03 and solvent limits set by AZDHS R9-17 Table 3.1. ADHS approved method for residual solvents by GCMS-HS for all listed analytes.

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## Pesticides

Pass

Analyte	LOQ	Limit	Units	Status	Qualifier	Analyte	LOQ	Limit	Units	Status	Qualifier
	PPM	PPM	PPM				PPM	PPM	PPM		
Abamectin	0.030	0.500	ND	Pass	M2	Hexythiazox	0.040	1.000	ND	Pass	
Acephate	0.040	0.400	ND	Pass		Imazalil	0.040	0.200	ND	Pass	M2
Acetamiprid	0.040	0.200	ND	Pass		Imidacloprid	0.040	0.400	ND	Pass	
Aldicarb	0.040	0.400	ND	Pass		Kresoxim Methyl	0.040	0.400	ND	Pass	M2
Azoxystrobin	0.040	0.200	ND	Pass		Malathion	0.040	0.200	ND	Pass	
Bifenazate	0.040	0.200	ND	Pass	M1	Metalaxyl	0.040	0.200	ND	Pass	
Bifenthrin	0.040	0.200	ND	Pass	M2	Methiocarb	0.040	0.200	ND	Pass	
Boscalid	0.040	0.400	ND	Pass		Methomyl	0.040	0.400	ND	Pass	
Carbaryl	0.040	0.200	ND	Pass		Myclobutanil	0.040	0.200	ND	Pass	M2
Carbofuran	0.040	0.200	ND	Pass		Naled	0.040	0.500	ND	Pass	
Chlorantraniliprole	0.040	0.200	ND	Pass	L1 V1	Oxamyl	0.040	1.000	ND	Pass	
Chlorfenapyr	0.440	1.000	ND	Pass	M2 R1	Paclobotrazol	0.040	0.400	ND	Pass	M2
Chlorpyrifos	0.040	0.200	ND	Pass		Permethrins	0.040	0.200	ND	Pass	M2
Clofentezine	0.040	0.200	ND	Pass	M2	Phosmet	0.040	0.200	ND	Pass	
Cyfluthrin	0.430	1.000	ND	Pass	M2	Piperonyl Butoxide	0.040	2.000	ND	Pass	
Cypermethrin	0.040	1.000	ND	Pass	M2	Prallethrin	0.040	0.200	ND	Pass	M2
Daminozide	0.440	1.000	ND	Pass		Propiconazole	0.040	0.400	ND	Pass	M2
Dichlorvos (DDVP)	0.040	0.100	ND	Pass		Propoxur	0.040	0.200	ND	Pass	
Diazinon	0.040	0.200	ND	Pass	M2	Pyrethrins	0.440	1.000	ND	Pass	M1
Dimethoate	0.040	0.200	ND	Pass		Pyridaben	0.040	0.200	ND	Pass	
Ethoprophos	0.040	0.200	ND	Pass	M2	Spinosad	0.040	0.200	ND	Pass	M2
Etofenprox	0.040	0.400	ND	Pass	M2	Spiromesifen	0.040	0.200	ND	Pass	
Etoxazole	0.040	0.200	ND	Pass		Spirotetramat	0.040	0.200	ND	Pass	M2
Fenoxycarb	0.040	0.200	ND	Pass	M2	Spiroxamine	0.040	0.400	ND	Pass	M2
Fenpyroximate	0.040	0.400	ND	Pass		Tebuconazole	0.040	0.400	ND	Pass	M2
Fipronil	0.040	0.400	ND	Pass		Thiacloprid	0.040	0.200	ND	Pass	
Flonicamid	0.040	1.000	ND	Pass		Thiamethoxam	0.040	0.200	ND	Pass	
Fludioxonil	0.040	0.400	ND	Pass		Trifloxystrobin	0.040	0.200	ND	Pass	M2

## Herbicides

Analyte	LOQ	Limit	Units	Status
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### Qualifiers:

Date Tested: 03/22/2024 07:00 am  
Performed by LCMSMS per SOP-LM-021 and SOP-LM-022. ND = Not Detected; NR = Not Reported. Methods used per AZDHS R9-17-404.03 and pesticide limits set by AZDHS R9-17 Table 3.1. ADHS approved method for pesticide testing by LCMSMS for full list effective 5/1/2021.

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## Mycotoxins

Pass

Total Ochratoxins Date Tested: 03/23/2024  
Total Aflatoxins Date Tested: 03/23/2024

Analyte	LOQ	Limit	Units	Status	Qualifier
	µg/kg	µg/kg	µg/kg		
Total Aflatoxins (B1 B2 G1 and G2)	4.00	20.00	ND	Pass	
Total Ochratoxins (A and B)	2.00	20.00	3.26	Pass	

# LEVEL ONE

TNTC = Too Numerous to Count. The lower limit of quantification for Aflatoxin is 4ppb and the lower limit of quantification for Ochratoxin is 2ppb unless noted on the CoA by further dilution. Unless otherwise stated all quality control samples performed within specifications. Analysis Method/Instrumentation: direct ELISA produced by Romer Labs and read on Bio-Tek 800TS microplate reader. Procedure followed SOP-LM-018. Methods used per AZDHS R9-17-404.03 and R9-17-404.04 and limits set by AZDHS R9-17 Table 3.1. ADHS approved method.

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**Suga Berries**

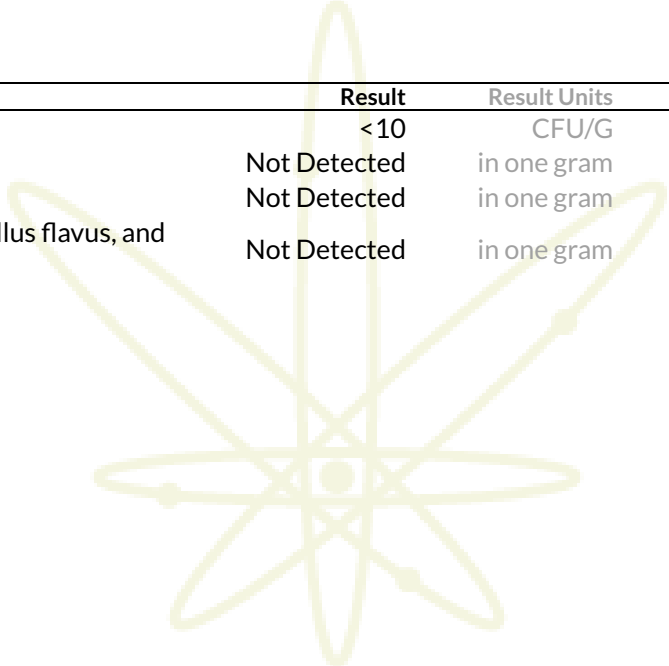
Concentrates & Extracts, Live Resin, Butane



**Microbials**

**Pass**

Analyte	Result	Result Units	Status	Qualifier
E. Coli	<10	CFU/G	Pass	
Salmonella	Not Detected	in one gram	Pass	
Aspergillus terreus	Not Detected	in one gram	Pass	
Aspergillus fumigatus, Aspergillus flavus, and Aspergillus niger	Not Detected	in one gram	Pass	



**LEVEL ONE**

Qualifiers:  
Date Tested: 03/22/2024 12:00 am

TNTC = Too Numerous to Count. The lower limit of quantification for E. coli is 10 CFU/g unless noted on the CoA by further dilution. Unless otherwise stated all quality control samples performed within specifications. Analysis Method/Instrumentation: E. coli plating via 3M Petrifilm per SOP-LM-019, Salmonella spp. And Aspergillus spp. detection by Bio-Rad CFX96 Deep Well real-time PCR per SOP-LM-016 & SOP-LM-017. Methods used per AZDHS R9-17-404.04 and microbial limits set by AZDHS R9-17 Table 3.1. ADHS approved method for microbials for all listed organisms.



# Certificate of Analysis

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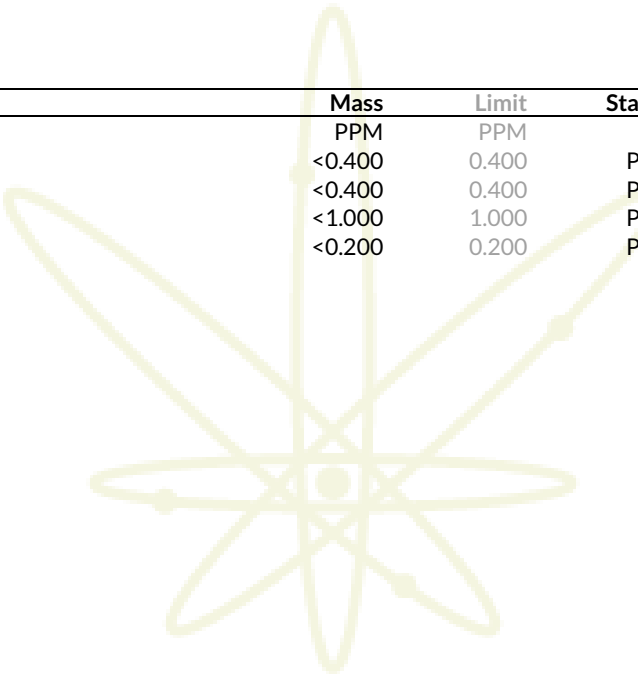
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## Heavy Metals

### Pass

Analyte	Mass PPM	Limit PPM	Status	Qualifier
Arsenic	<0.400	0.400	Pass	
Cadmium	<0.400	0.400	Pass	
Lead	<1.000	1.000	Pass	
Mercury	<0.200	0.200	Pass	



# LEVEL ONE

Qualifiers:  
Date Tested: 03/21/2024 07:00 am

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Matthew Schuberth  
Laboratory Director

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## Notes from Manufacturer

### Gas Pump – Other Information

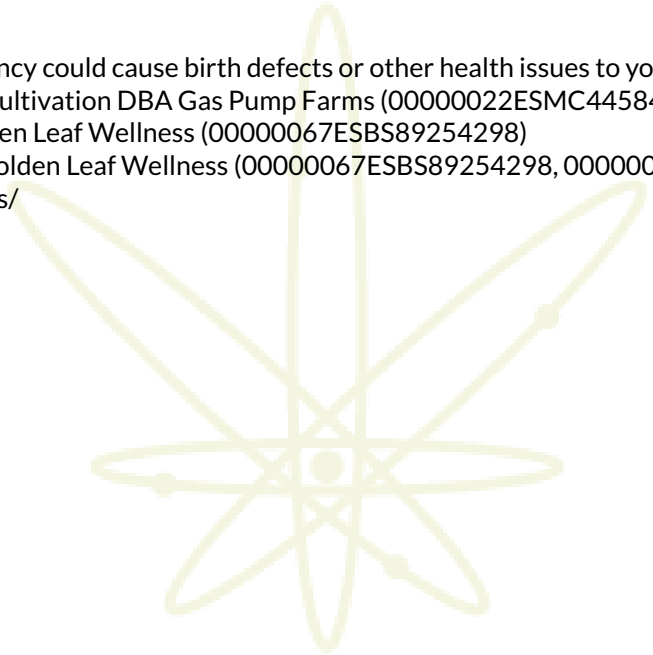
Using marijuana during pregnancy could cause birth defects or other health issues to your unborn child.

Cultivated by: Border Health Cultivation DBA Gas Pump Farms (00000022ESMC44584355)

Manufactured by Arizona Golden Leaf Wellness (00000067ESBS89254298)

Distributed through Arizona Golden Leaf Wellness (00000067ESBS89254298, 00000077DCPS0021660)

<https://azcarecheck.azdhs.gov/s/>



# LEVEL ONE

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