

**Io Extracts**

3000 E Valencia Rd Suite 160  
Tucson, AZ 85706  
linda@ioextracts.com  
(520) 409-1482  
Lic. #00000067ESBS89254298


**Sample: 2407LVL0901.4663**

Secondary License: ; Chain of Distribution:  
Strain: Lemon Meringue x Watermelon Gelato ZKZ; Batch Size: g; External Batch ID: G-0711-LWZ  
Sample Received: 07/16/2024; Report Created: 07/19/2024; Report Expiration: 07/19/2025  
Sampling Date: 07/11/2024; Sampling Time: 2:30 PM; Sampling Person: Carmen Hamilton  
Harvest Date: 11/27/2023; Manufacturing Date: 07/11/2024; External Lot ID: G-0711-LWZ

**Lemon Meringue x Watermelon Gelato ZKZ Liquid Live Resin**

Concentrates & Extracts, Live Resin, Butane



	<b>88.99%</b> Total THC	<b>ND</b> Total CBD	<b>89.43%</b> Total Cannabinoids
	<b>37.60 mg/g</b> Total Terpenes	<b>Not Tested</b> Moisture	

**Cannabinoids**

Complete

Analyte	LOQ	Mass	Mass	Qualifier
	%	%	mg/g	
THCa	1.83	3.58	35.8	
Δ9-THC	1.83	85.85	858.5	
Δ8-THC	1.83	ND	ND	Q3
THCVa	1.83	ND	ND	Q3
THCV	1.83	<LOQ	<LOQ	Q3
CBDa	1.83	ND	ND	
CBD	1.83	ND	ND	
CBDVa	1.83	ND	ND	Q3
CBDV	1.83	ND	ND	Q3
CBN	1.83	<LOQ	<LOQ	Q3
CBGa	1.83	<LOQ	<LOQ	Q3
CBG	1.83	<LOQ	<LOQ	Q3
CBCa	1.83	ND	ND	Q3
CBC	1.83	<LOQ	<LOQ	Q3
<b>Total</b>		<b>89.43</b>	<b>894.3</b>	<b>Q3</b>

Qualifiers:  
Date Tested: 07/16/2024 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	%		
Farnesene	0.06	14.20	1.420	Q3	Cedrol	0.36	ND	ND	Q3
β-Caryophyllene	0.72	7.11	0.711	Q3	cis-Nerolidol	0.72	ND	ND	Q3
δ-Limonene	0.72	5.72	0.572	Q3	Citronellol	3.62	ND	ND	Q3
α-Humulene	0.36	2.29	0.229	Q3	Eucalyptol	0.36	ND	ND	Q3
α-Terpineol	0.59	1.58	0.158	Q3	Fenchone	0.72	<LOQ	<LOQ	Q3
Fenchol	0.36	1.54	0.154	Q3	γ-Terpinene	0.36	<LOQ	<LOQ	Q3
β-Myrcene	0.36	0.98	0.098	Q3	γ-Terpineol	0.08	ND	ND	Q3
Linalool	0.72	0.92	0.092	Q3	Geraniol	7.25	ND	ND	Q3
α-Pinene	0.36	0.90	0.090	Q3	Geranyl Acetate	0.36	ND	ND	Q3
Guaiol	0.36	0.80	0.080	Q3	Isoborneol	3.62	ND	ND	Q3
cis-Ocimene	0.10	0.71	0.071	Q3	Isopulegol	0.36	ND	ND	Q3
Caryophyllene Oxide	0.36	0.44	0.044	Q3	Menthol	0.36	ND	ND	Q3
α-Bisabolol	0.36	0.41	0.041	Q3	Nerol	0.36	ND	ND	Q3
3-Carene	0.72	ND	ND	Q3	Pulegone	0.36	ND	ND	Q3
α-Cedrene	0.36	ND	ND	Q3	p-Cymene	0.36	ND	ND	Q3
α-Phellandrene	0.36	ND	ND	Q3	Sabinene	0.36	ND	ND	Q3
α-Terpinene	0.36	<LOQ	<LOQ	Q3	Sabinene Hydrate	0.36	ND	ND	Q3
β-Eudesmol	0.36	ND	ND	Q3	Terpinolene	0.72	<LOQ	<LOQ	Q3
β-Pinene	0.72	<LOQ	<LOQ	Q3	trans-Nerolidol	0.36	ND	ND	Q3
Borneol	1.09	<LOQ	<LOQ	Q3	trans-Ocimene	0.24	ND	ND	Q3
Camphene	0.36	<LOQ	<LOQ	Q3	Valencene	0.36	ND	ND	Q3
Camphor	1.45	ND	ND	Q3					


## Primary Aromas




Magnolia




Cinnamon



Lemon



Hops



Pine

**37.60 mg/g**  
Total Terpenes

Qualifiers:  
Date Tested: 07/16/2024 07:00 am

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**Residual Solvents**

**Pass**

Analyte	LOQ PPM	Limit PPM	Mass PPM	Status	Qualifier
Acetone	370.080	1000.000	ND	Pass	V1
Acetonitrile	150.440	410.000	ND	Pass	
Benzene	0.740	2.000	ND	Pass	
Butanes	2462.300	5000.000	ND	Pass	
Chloroform	22.160	60.000	ND	Pass	
Dichloromethane	225.190	600.000	ND	Pass	
Ethanol	1836.170	5000.000	ND	Pass	
Ethyl-Acetate	1837.910	5000.000	ND	Pass	
Ethyl-Ether	1830.740	5000.000	ND	Pass	
Heptane	1833.400	5000.000	ND	Pass	V1 L1
Hexanes	105.690	290.000	ND	Pass	V1
Isopropanol	1827.560	5000.000	ND	Pass	
Isopropyl-Acetate	1830.940	5000.000	ND	Pass	
Methanol	1095.700	3000.000	ND	Pass	
Pentanes	1842.830	5000.000	ND	Pass	V1
Toluene	329.750	890.000	ND	Pass	
Xylenes	790.080	2170.000	ND	Pass	

**LEVEL ONE**

Qualifiers:  
Date Tested: 07/18/2024 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		Imazailil	0.040	0.200	ND	Pass	
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	
Azoxystrobin	0.050	0.200	ND	Pass		Malathion	0.040	0.200	ND	Pass	
Bifenazate	0.040	0.200	ND	Pass		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	0.050	0.200	ND	Pass	
Carbofuran	0.040	0.200	ND	Pass		Naled	0.040	0.500	ND	Pass	
Chlorantraniliprole	0.040	0.200	ND	Pass		Oxamyl	0.040	1.000	ND	Pass	
Chlorfenapyr	0.440	1.000	ND	Pass		Pacllobutrazol	0.040	0.400	ND	Pass	
Chlorpyrifos	0.040	0.200	ND	Pass		Permethrins	0.040	0.200	ND	Pass	M2
Clofentezine	0.040	0.200	ND	Pass		Phosmet	0.040	0.200	ND	Pass	
Cyfluthrin	0.440	1.000	ND	Pass		Piperonyl Butoxide	0.040	2.000	ND	Pass	
Cypermethrin	0.040	1.000	ND	Pass		Prallethrin	0.040	0.200	ND	Pass	
Daminozide	0.440	1.000	ND	Pass		Propiconazole	0.040	0.400	ND	Pass	
Dichlorvos (DDVP)	0.040	0.100	ND	Pass		Propoxur	0.050	0.200	ND	Pass	
Diazinon	0.040	0.200	ND	Pass		Pyrethrins	0.450	1.000	ND	Pass	M1
Dimethoate	0.040	0.200	ND	Pass		Pyridaben	0.040	0.200	ND	Pass	M2
Ethoprophos	0.040	0.200	ND	Pass		Spinosad	0.040	0.200	ND	Pass	M2
Etofenprox	0.040	0.400	ND	Pass	M2	Spiromesifen	0.040	0.200	ND	Pass	M2
Etoxazole	0.040	0.200	ND	Pass		Spirotetramat	0.040	0.200	ND	Pass	
Fenoxycarb	0.040	0.200	ND	Pass		Spiroxamine	0.040	0.400	ND	Pass	
Fenpyroximate	0.040	0.400	ND	Pass	M2	Tebuconazole	0.040	0.400	ND	Pass	
Fipronil	0.040	0.400	ND	Pass		Thiacloprid	0.040	0.200	ND	Pass	
Fonicamid	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	

## Herbicides

Analyte	LOQ	Limit	Units	Status
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### Qualifiers:

Date Tested: 07/17/2024 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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Tim Kustron  
Technical Lab Director

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## Mycotoxins

Pass

Total Ochratoxins Date Tested: 07/16/2024  
Total Aflatoxins Date Tested: 07/16/2024

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	2.01	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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**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	

Qualifiers:  
Date Tested: 07/18/2024 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.

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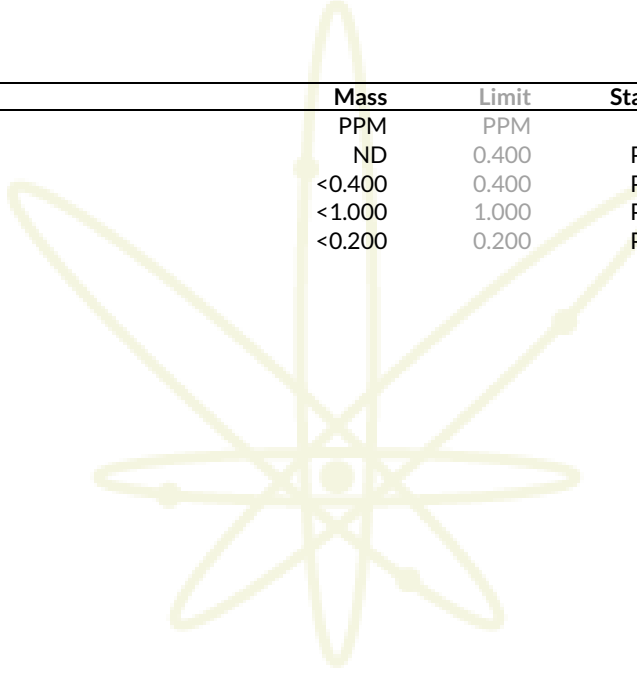
Concentrates & Extracts, Live Resin, Butane



**Heavy Metals**

**Pass**

Analyte	Mass PPM	Limit PPM	Status	Qualifier
Arsenic	ND	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: 07/17/2024 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. Subcontracted through IAS. Approved for all analytes by ICP-OES. Inter Ag Services Inc. Registration Certificate Identification Number: 00000009LCSL00311854



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## Notes from Manufacturer

### Genesis - Other Information

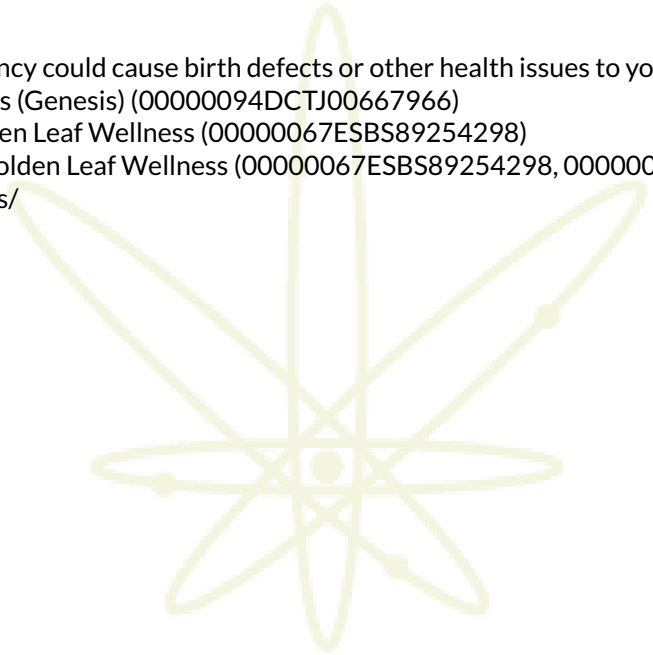
Using marijuana during pregnancy could cause birth defects or other health issues to your unborn child.

Cultivated by: Soothing Options (Genesis) (00000094DCTJ00667966)

Manufactured by Arizona Golden Leaf Wellness (00000067ESBS89254298)

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

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



# LEVEL ONE

# L A B S



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This product has been tested by Level One Labs, LLC using valid testing methodologies and a quality system as required by state law. Values reported relate only to the product tested. Level One Labs makes no claims as to the efficacy, safety or other risks associated with any detected or non-detected levels of any compounds reported herein. This Certificate shall not be reproduced except in full, without the written approval of Level One Labs. Using marijuana during pregnancy could cause birth defects or other health issues to your unborn child.



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**IAS Laboratories**  
2515 East University Drive  
Phoenix, Arizona 85034  
(602) 273-7248  
Fax (602) 275-3836

Work Order: 24G0283

Submitted By: Conner Griffith  
Report To: Level One Labs  
Project: Four Metals

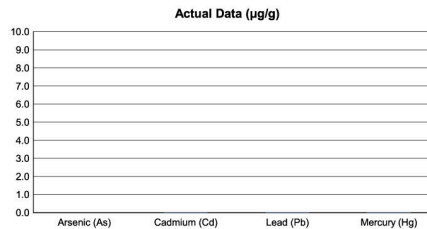
**Sample Results**  
(Continued)

Sample Name: 901.4663  
Lab ID: 24G0283-05 (Heavy Metals)  
Analyst Initials: GD  
Report Expires: August 19, 2024

Sample Image:



	Result	Qual	Units	*ADHS Limit	LOQ
<b>Metals</b>					
Arsenic (As)	ND	Pass	ppm	0.4	0.001
Time Analyzed: 7/17/2024 4:22:32PM					
Cadmium (Cd)	<0.002	Pass	ppm	0.4	0.001
Time Analyzed: 7/17/2024 4:22:32PM					
Lead (Pb)	<0.004	Pass	ppm	1.0	0.001
Time Analyzed: 7/17/2024 4:22:32PM					
Mercury (Hg)	<0.004	Pass	ppm	0.2	0.001
Time Analyzed: 7/17/2024 4:22:32PM					



\*Limits are set by Arizona Department Health and Services: Medical Marijuana Testing Council, December 2019.  
MRL: Minimum Reporting Limit  
ND: None Detected

The contents of this report apply to the sample(s) analyzed in accordance with the chain of custody document.  
No duplication of this report is allowed, except in its entirety.