

Io Extracts


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

Sample: 2408LVL1008.5013

Secondary License: ; Chain of Distribution:
Strain: Lemon Mac; Batch Size: g; External Batch ID: G-0808-FF-LM
Sample Received: 08/13/2024; Report Created: 08/19/2024; Report Expiration: 08/19/2025
Sampling Date: 08/08/2024; Sampling Time: 10:45 AM; Sampling Person: Carmen Hamilton
Harvest Date: 10/09/2023; Manufacturing Date: 08/08/2024; External Lot ID: G-0808-FF-LM
Date of Pickup: Time Collected:

Lemon Mac Live Resin Badder
Concentrates & Extracts, Live Resin, Butane



	73.73%	ND	93.82%
	Total THC	Total CBD	
	59.84 mg/g	Not Tested	Total Cannabinoids (Q3)
	Total Terpenes (Q3)	NT Moisture (Q3)	

Cannabinoids

Complete

Analyte	LOQ	Result	Result	Qualifier
	%	%	mg/g	
THCa	1.94	74.79	747.9	
Δ9-THC	1.94	8.14	81.4	
Δ8-THC	1.94	ND	ND	Q3
THCVa	1.94	2.29	22.9	Q3
THCV	1.94	<LOQ	<LOQ	Q3
CBDa	1.94	ND	ND	
CBD	1.94	ND	ND	M2
CBDVa	1.94	ND	ND	Q3
CBDV	1.94	ND	ND	Q3
CBN	1.94	ND	ND	Q3
CBGa	1.94	4.20	42.0	Q3
CBG	1.94	ND	ND	Q3
CBCa	1.94	4.40	44.0	Q3
CBC	1.94	<LOQ	<LOQ	Q3
Total		93.82	938.2	Q3

Qualifiers:
Date Tested: 08/14/2024 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	Result	Result	Qualifier	Analyte	LOQ	Result	Result	Qualifier
	mg/g	mg/g	%			mg/g	mg/g	%	
Terpinolene	0.80	18.13	1.813	Q3	Camphor	1.60	ND	ND	Q3
cis-Ocimene	0.12	7.91	0.791	Q3	Caryophyllene	0.40	ND	ND	Q3
δ-Limonene	0.80	5.72	0.572	Q3	Oxide	0.40	ND	ND	Q3
Farnesene	0.07	4.43	0.443	Q3	Cedrol	0.40	ND	ND	Q3
β-Caryophyllene	0.80	4.08	0.408	Q3	cis-Nerolidol	0.80	ND	ND	Q3
β-Myrcene	0.40	4.08	0.408	Q3	Citronellol	3.99	<LOQ	<LOQ	Q3
α-Terpineol	0.65	2.24	0.224	Q3	Fenchone	0.80	<LOQ	<LOQ	Q3
α-Bisabolol	0.40	1.99	0.199	Q3	γ-Terpineol	0.09	ND	ND	Q3
α-Humulene	0.40	1.76	0.176	Q3	Geraniol	7.98	<LOQ	<LOQ	Q3
Linalool	0.80	1.73	0.173	Q3	Geranyl Acetate	0.40	ND	ND	Q3
α-Pinene	0.40	1.52	0.152	Q3	Guaiol	0.40	ND	ND	Q3
Fenchol	0.40	1.41	0.141	Q3	Isoborneol	3.99	ND	ND	Q3
α-Terpinene	0.40	1.14	0.114	Q3	Isopulegol	0.40	ND	ND	Q3
α-Phellandrene	0.40	1.07	0.107	Q3	Menthol	0.40	ND	ND	Q3
γ-Terpinene	0.40	1.07	0.107	Q3	Nerol	0.40	ND	ND	Q3
β-Pinene	0.80	1.06	0.106	Q3	Pulegone	0.40	ND	ND	Q3
Eucalyptol	0.40	0.50	0.050	Q3	p-Cymene	0.40	ND	ND	Q3
3-Carene	0.80	<LOQ	<LOQ	Q3	Sabinene	0.40	ND	ND	Q3
α-Cedrene	0.40	ND	ND	Q3	Sabinene Hydrate	0.40	<LOQ	<LOQ	Q3
β-Eudesmol	0.40	ND	ND	Q3	trans-Nerolidol	0.40	ND	ND	Q3
Borneol	1.20	<LOQ	<LOQ	Q3	trans-Ocimene	0.26	ND	ND	Q3
Camphene	0.40	<LOQ	<LOQ	Q3	Valencene	0.40	ND	ND	Q3


Primary Aromas




Turpentine




Earthy



Lemon



Magnolia



Cinnamon

59.84 mg/g
Total Terpenes

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Date Tested: 08/14/2024 07:00 am

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Residual Solvents

Pass

Analyte	LOQ	Limit	Result	Status	Qualifier
	PPM	PPM	PPM		
Acetone	345.980	1000.000	ND	Pass	M2
Acetonitrile	140.640	410.000	ND	Pass	
Benzene	0.690	2.000	ND	Pass	
Butanes	2301.920	5000.000	ND	Pass	
Chloroform	20.720	60.000	ND	Pass	
Dichloromethane	210.530	600.000	ND	Pass	
Ethanol	1716.570	5000.000	ND	Pass	
Ethyl-Acetate	1718.200	5000.000	ND	Pass	M2
Ethyl-Ether	1711.490	5000.000	ND	Pass	
Heptane	1713.980	5000.000	ND	Pass	
Hexanes	98.800	290.000	ND	Pass	
Isopropanol	1708.520	5000.000	ND	Pass	M2
Isopropyl-Acetate	1711.690	5000.000	ND	Pass	
Methanol	1024.330	3000.000	ND	Pass	
Pentanes	1722.800	5000.000	ND	Pass	M2
Toluene	308.280	890.000	ND	Pass	
Xylenes	738.620	2170.000	ND	Pass	

LEVEL ONE

Qualifiers:
Date Tested: 08/13/2024 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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Concentrates & Extracts, Live Resin, Butane



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	L1	Hexythiazox	0.040	1.000	ND	Pass	M2
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	
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	M2	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	0.450	1.000	ND	Pass	M1	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	M2	Phosmet	0.040	0.200	ND	Pass	
Cyfluthrin	0.440	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	
Daminozide	0.440	1.000	ND	Pass		Propiconazole	0.040	0.400	ND	Pass	M2
Dichlorvos (DDVP)	0.040	0.100	ND	Pass		Propoxur	0.050	0.200	ND	Pass	
Diazinon	0.050	0.200	ND	Pass		Pyrethrins	0.450	1.000	ND	Pass	
Dimethoate	0.040	0.200	ND	Pass		Pyridaben	0.040	0.200	ND	Pass	
Ethoprophos	0.040	0.200	ND	Pass		Spinosad	0.040	0.200	ND	Pass	L1 V1
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	M2
Fenpyroximate	0.040	0.400	ND	Pass	M2	Tebuconazole	0.040	0.400	ND	Pass	
Fipronil	0.040	0.400	ND	Pass	M1	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	

Herbicides

Analyte	LOQ	Limit	Units	Status
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Qualifiers:
Date Tested: 08/15/2024 12:00 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: 08/15/2024
Total Aflatoxins Date Tested: 08/15/2024

Analyte	LOQ	Limit	Result	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	ND	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.



Certificate of Analysis

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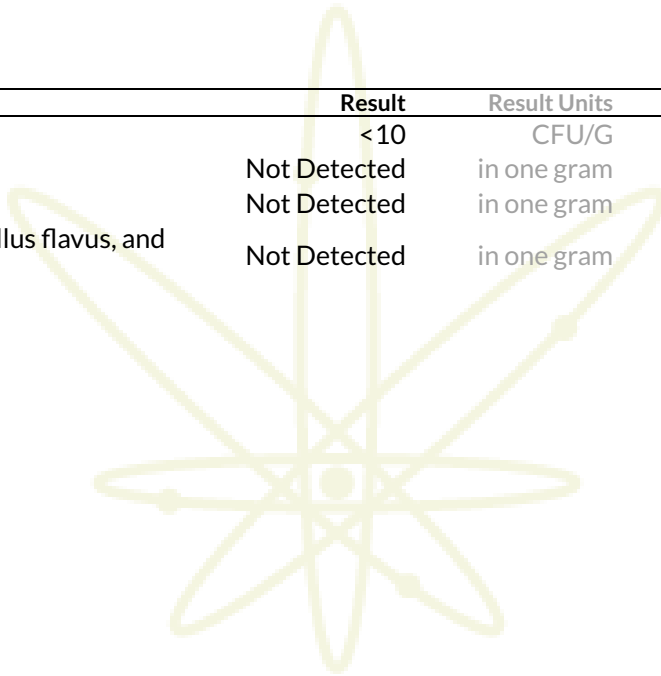
Concentrates & Extracts, Live Resin, Butane



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: 08/15/2024 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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Matthew Schuberth
Laboratory Manager

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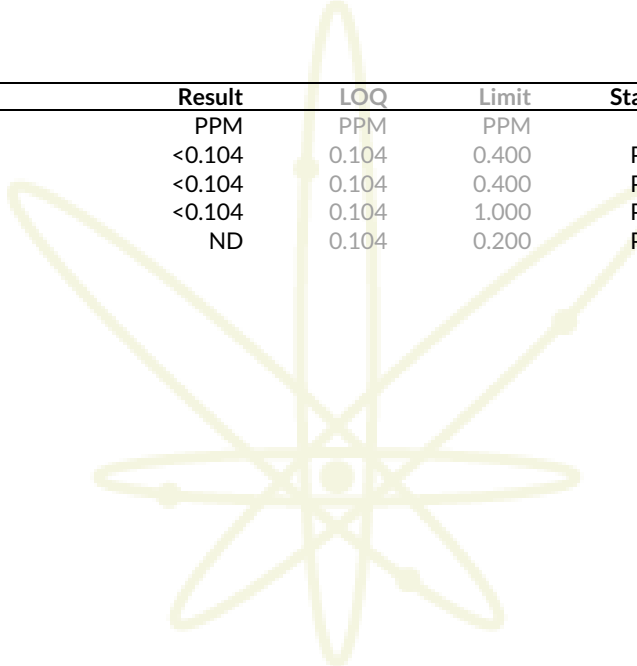
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Heavy Metals

Pass

Analyte	Result	LOQ	Limit	Status	Qualifier
	PPM	PPM	PPM		
Arsenic	<0.104	0.104	0.400	Pass	
Cadmium	<0.104	0.104	0.400	Pass	V1
Lead	<0.104	0.104	1.000	Pass	V1
Mercury	ND	0.104	0.200	Pass	V1



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Notes from Manufacturer

Genesis - Other Information

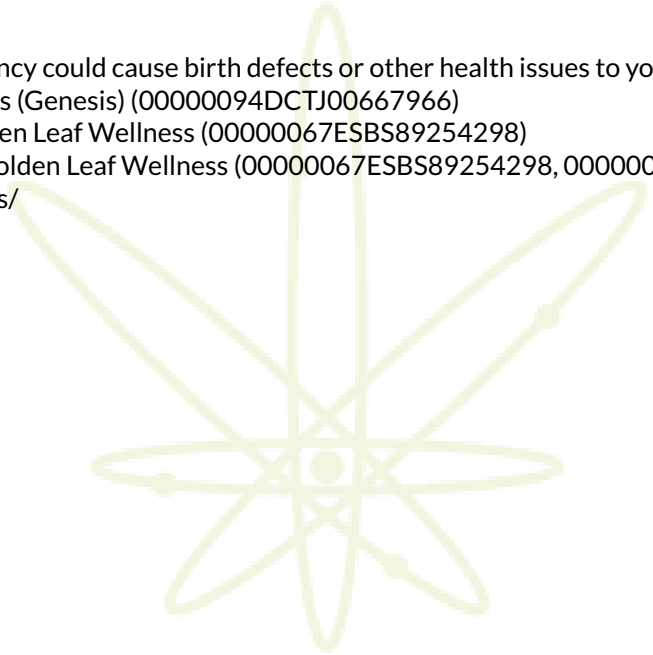
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Cultivated by: Soothing Options (Genesis) (00000094DCTJ00667966)

Manufactured by Arizona Golden Leaf Wellness (00000067ESBS89254298)

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

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



LEVEL ONE LABS



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