

**Io Extracts**

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


**Sample: 2401LVL0133.0744**

Secondary License: ; Chain of Distribution:  
Strain: Sour Diesel; Batch#: IO-0122-SD; Batch Size: g  
Sample Received: 01/30/2024; Report Created: 02/03/2024; Expires: 02/03/2025  
Sampling Date: 01/29/2024; Sampling Time: 4 PM; Sampling Person: Carmen Hamilton  
Harvest Date: 12/27/2023; Manufacturing Date: 01/22/2024

**Sour Diesel**

Concentrates & Extracts, Distillate, Vacuum Distillation



	<b>88.12%</b>	<b>&lt;LOQ</b>	<b>92.61%</b>
	Total THC	Total CBD	
	<b>NT</b>	<b>Not Tested</b>	<b>Total Cannabinoids</b>
Total Terpenes	NT	Moisture	

**Cannabinoids**

Complete

Analyte	LOQ	Mass	Mass	Qualifier
	%	%	mg/g	
THCa	0.706	ND	ND	
Δ9-THC	0.706	88.119	881.19	
Δ8-THC	0.706	ND	ND	M1
THCVa	0.706	ND	ND	
THCV	0.706	<LOQ	<LOQ	
CBDa	0.706	ND	ND	
CBD	0.706	<LOQ	<LOQ	
CBDVa	0.706	ND	ND	
CBDV	0.706	ND	ND	
CBN	0.706	0.761	7.61	
CBGa	0.706	ND	ND	
CBG	0.706	2.520	25.20	
CBCa	0.706	ND	ND	Q3
CBC	0.706	1.214	12.14	
<b>Total</b>		<b>92.614</b>	<b>926.14</b>	

Qualifiers:  
Date Tested: 01/31/2024 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.



# Certificate of Analysis

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## Sour Diesel

Concentrates & Extracts, Distillate, Vacuum Distillation



## 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: 02/01/2024 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.



1525 N Granite Reef Rd  
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<http://www.levelonelabs.com>  
Lic# 0000004LCIG00024823

Matthew Schuberth  
Laboratory Director

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[coa.support@confidentlims.com](mailto:coa.support@confidentlims.com)  
(866) 506-5866  
[www.confidentlims.com](http://www.confidentlims.com)



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## Sour Diesel

Concentrates & Extracts, Distillate, Vacuum Distillation



## Notes from Manufacturer

### Sunday Goods – Other Information

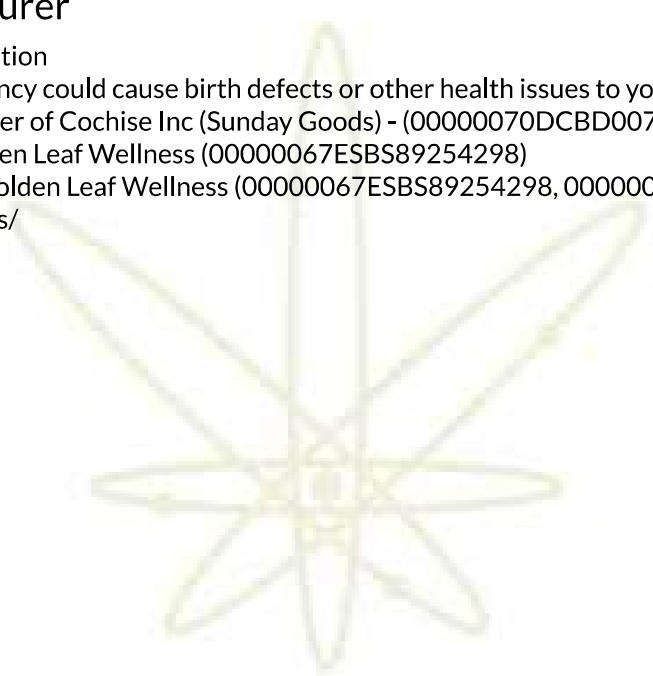
Using marijuana during pregnancy could cause birth defects or other health issues to your unborn child.

Cultivated by: The Health Center of Cochise Inc (Sunday Goods) - (00000070DCBD00783295)

Manufactured by Arizona Golden Leaf Wellness (00000067ESBS89254298)

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

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



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**Sample: 2401LVL0110.0643**

Secondary License: ; Chain of Distribution:  
Strain: Distillate; Batch#: IO-0122; Batch Size: g  
Sample Received: 01/24/2024; Report Created: 02/20/2024; Expires: 02/20/2025  
Sampling Date: 01/22/2024; Sampling Time: 11:00 AM ; Sampling Person: Carmen Hamilton  
Harvest Date: 12/27/2023; Manufacturing Date: 01/22/2024

## Mother Distillate

Concentrates & Extracts, Distillate, Vacuum Distillation  
Cultivated by: The Health Center of Cochise Inc (Sunday Goods)-(00000070DCBD00783295)  
Manufactured by Arizona Golden Leaf Wellness (00000067ESBS89254298)  
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	<b>93.08%</b>	<b>&lt;LOQ</b>	<b>97.77%</b>
	Total THC	Total CBD	
	<b>NT</b>	<b>Not Tested</b>	<b>Total Cannabinoids</b>
Total Terpenes	NT	Moisture	

## Cannabinoids

Complete

Analyte	LOQ	Mass	Mass	Qualifier
	%	%	mg/g	
THCa	0.642	ND	ND	
Δ9-THC	0.642	93.078	930.78	
Δ8-THC	0.642	ND	ND	M1
THCVa	0.642	ND	ND	
THCV	0.642	<LOQ	<LOQ	
CBDa	0.642	ND	ND	
CBD	0.642	<LOQ	<LOQ	
CBDVa	0.642	ND	ND	
CBDV	0.642	ND	ND	
CBN	0.642	0.775	7.75	
CBGa	0.642	ND	ND	
CBG	0.642	2.723	27.23	
CBCa	0.642	ND	ND	Q3
CBC	0.642	1.195	11.95	
<b>Total</b>		<b>97.771</b>	<b>977.71</b>	

Qualifiers:  
Date Tested: 01/25/2024 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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## Residual Solvents

Pass

Analyte	LOQ	Limit	Mass	Status	Qualifier
	PPM	PPM	PPM		
Acetone	339.470	1000.000	ND	Pass	
Acetonitrile	138.000	410.000	ND	Pass	
Benzene	0.680	2.000	ND	Pass	
Butanes	2258.650	5000.000	ND	Pass	
Chloroform	20.330	60.000	ND	Pass	
Dichloromethane	206.570	600.000	ND	Pass	
Ethanol	1684.300	5000.000	ND	Pass	
Ethyl-Acetate	1685.900	5000.000	ND	Pass	
Ethyl-Ether	1679.320	5000.000	ND	Pass	
Heptane	1681.770	5000.000	ND	Pass	
Hexanes	96.950	290.000	ND	Pass	
Isopropanol	1676.410	5000.000	ND	Pass	
Isopropyl-Acetate	1679.510	5000.000	ND	Pass	
Methanol	1005.080	3000.000	ND	Pass	
Pentanes	1690.410	5000.000	ND	Pass	
Toluene	302.480	890.000	ND	Pass	
Xylenes	724.740	2170.000	ND	Pass	

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Qualifiers:  
Date Tested: 01/25/2024 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	0.050	0.200	ND	Pass	
Acetamiprid	0.040	0.200	ND	Pass		Imidacloprid	0.050	0.400	ND	Pass	
Aldicarb	0.050	0.400	ND	Pass		Kresoxim Methyl	0.040	0.400	ND	Pass	
Azoxystrobin	0.050	0.200	ND	Pass		Malathion	0.050	0.200	ND	Pass	
Bifenazate	0.050	0.200	ND	Pass	M1	Metalaxyl	0.040	0.200	ND	Pass	
Bifenthrin	0.050	0.200	ND	Pass	M2	Methiocarb	0.040	0.200	ND	Pass	
Boscalid	0.040	0.400	ND	Pass		Methomyl	0.050	0.400	ND	Pass	
Carbaryl	0.050	0.200	ND	Pass		Myclobutanil	0.050	0.200	ND	Pass	
Carbofuran	0.050	0.200	ND	Pass		Naled	0.050	0.500	ND	Pass	
Chlorantraniliprole	0.040	0.200	ND	Pass	M2	Oxamyl	0.040	1.000	ND	Pass	
Chlorfenapyr	0.460	1.000	ND	Pass		Pacllobutrazol	0.050	0.400	ND	Pass	
Chlorpyrifos	0.050	0.200	ND	Pass		Permethrins	0.050	0.200	ND	Pass	M2 V1
Clofentezine	0.050	0.200	ND	Pass		Phosmet	0.040	0.200	ND	Pass	
Cyfluthrin	0.450	1.000	ND	Pass	M2	Piperonyl Butoxide	0.040	2.000	ND	Pass	
Cypermethrin	0.050	1.000	ND	Pass	M2	Prallethrin	0.050	0.200	ND	Pass	
Daminozide	0.450	1.000	ND	Pass		Propiconazole	0.050	0.400	ND	Pass	M2
Dichlorvos (DDVP)	0.050	0.100	ND	Pass		Propoxur	0.050	0.200	ND	Pass	
Diazinon	0.050	0.200	ND	Pass		Pyrethrins	0.460	1.000	ND	Pass	M1
Dimethoate	0.050	0.200	ND	Pass		Pyridaben	0.050	0.200	ND	Pass	M2
Ethoprophos	0.050	0.200	ND	Pass	M2	Spinosad	0.050	0.200	ND	Pass	M2
Etofenprox	0.050	0.400	ND	Pass	M2	Spiromesifen	0.050	0.200	ND	Pass	
Etoxazole	0.040	0.200	ND	Pass		Spirotetramat	0.050	0.200	ND	Pass	M2
Fenoxycarb	0.050	0.200	ND	Pass		Spiroxamine	0.040	0.400	ND	Pass	
Fenpyroximate	0.050	0.400	ND	Pass	M2	Tebuconazole	0.050	0.400	ND	Pass	M2
Fipronil	0.040	0.400	ND	Pass		Thiadoprid	0.050	0.200	ND	Pass	
Flonicamid	0.050	1.000	ND	Pass		Thiamethoxam	0.050	0.200	ND	Pass	
Fludioxonil	0.040	0.400	ND	Pass		Trifloxystrobin	0.050	0.200	ND	Pass	

## Herbicides

Analyte	LOQ	Limit	Units	Status
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### Qualifiers:

Date Tested: 01/25/2024 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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## Mother Distillate

Concentrates & Extracts, Distillate, Vacuum Distillation  
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<https://azcarecheck.azdhs.gov/s/>



## Mycotoxins

Pass

Total Ochratoxins Date Tested: 01/26/2024  
Total Aflatoxins Date Tested: 01/26/2024

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	2.91	Pass	



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: 01/25/2024 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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**Heavy Metals**

**Pass**

Analyte	Mass PPM	Limit PPM	Status	Qualifier
Arsenic	<0.400	0.400	Pass	V1
Cadmium	<0.400	0.400	Pass	
Lead	<1.000	1.000	Pass	
Mercury	<0.200	0.200	Pass	L1,R1



Qualifiers:  
Date Tested: 01/26/2024 12:00 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