

The Healing Alchemist

3000 E Valencia Rd Suite 160
Tucson, AZ 85706
carmen@ioextracts.com
(480) 665-0342
Lic. #00000067ESBS89254298


Sample: 2401LVL0128.0708

Secondary License: ; Chain of Distribution:
Strain: GMO Cookies; Batch#: THA-0129-GC; Batch Size: g
Sample Received: 01/30/2024; Report Created: 02/05/2024; Expires: 02/05/2025
Sampling Date: 01/29/2024; Sampling Time: 11:45 AM; Sampling Person: Carmen Hamilton
Harvest Date: 12/28/2023; Manufacturing Date: 01/29/2024

GMO Cookies

Concentrates & Extracts, Distillate, Vacuum Distillation
Mother Distillate: THA-0129



	84.44%	<LOQ	90.69%
	Total THC	Total CBD	
	NT	Not Tested	Total Cannabinoids
Total Terpenes	Moisture		

Cannabinoids

Complete

Analyte	LOQ	Mass	Mass	Qualifier
	%	%	mg/g	
THCa	0.665	ND	ND	
Δ9-THC	0.665	84.439	844.39	
Δ8-THC	0.665	1.855	18.55	
THCVa	0.665	ND	ND	
THCV	0.665	<LOQ	<LOQ	
CBDa	0.665	ND	ND	
CBD	0.665	<LOQ	<LOQ	
CBDVa	0.665	ND	ND	
CBDV	0.665	ND	ND	
CBN	0.665	0.749	7.49	
CBGa	0.665	ND	ND	
CBG	0.665	2.475	24.75	
CBCa	0.665	ND	ND	
CBC	0.665	1.174	11.74	Q3
Total		90.692	906.92	

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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GMO Cookies

Concentrates & Extracts, Distillate, Vacuum Distillation
Mother Distillate: THA-0129



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.



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Matthew Schuberth
Laboratory Director

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GMO Cookies

Concentrates & Extracts, Distillate, Vacuum Distillation
Mother Distillate: THA-0129



Notes from Manufacturer

Sunday Goods - Other Information

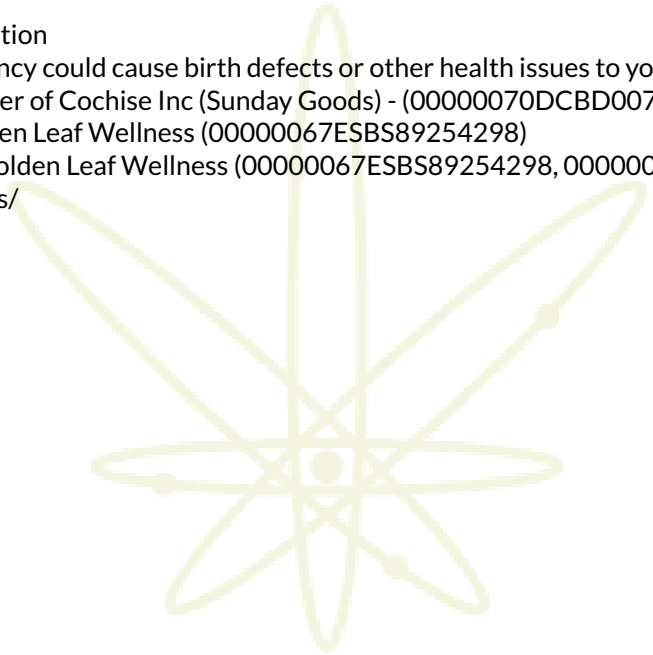
Using marijuana during pregnancy could cause birth defects or other health issues to your unborn child.

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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Mother Distillate THA-0129

Concentrates & Extracts, Distillate, Vacuum Distillation



	87.83%	<LOQ	92.23%
	Total THC	Total CBD	
	NT	Not Tested	Total Cannabinoids
Total Terpenes	Moisture		

Cannabinoids

Complete

Analyte	LOQ	Mass	Mass	Qualifier
	%	%	mg/g	
THCa	0.615	ND	ND	
Δ9-THC	0.615	87.835	878.35	
Δ8-THC	0.615	ND	ND	
THCVa	0.615	ND	ND	
THCV	0.615	<LOQ	<LOQ	
CBDa	0.615	ND	ND	
CBD	0.615	<LOQ	<LOQ	
CBDVa	0.615	ND	ND	
CBDV	0.615	ND	ND	
CBN	0.615	0.778	7.78	
CBGa	0.615	ND	ND	
CBG	0.615	2.479	24.79	
CBCa	0.615	ND	ND	Q3
CBC	0.615	1.135	11.35	
Total		92.227	922.27	

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.

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Mother Distillate THA-0129

Concentrates & Extracts, Distillate, Vacuum Distillation



Residual Solvents

Pass

Analyte	LOQ PPM	Limit PPM	Mass PPM	Status	Qualifier
Acetone	342.690	1000.000	ND	Pass	V1L1
Acetonitrile	139.310	410.000	ND	Pass	V1L1
Benzene	0.680	2.000	ND	Pass	
Butanes	2280.080	5000.000	ND	Pass	V1L1
Chloroform	20.520	60.000	ND	Pass	V1
Dichloromethane	208.530	600.000	ND	Pass	V1
Ethanol	1700.280	5000.000	ND	Pass	V1L1
Ethyl-Acetate	1701.900	5000.000	ND	Pass	V1
Ethyl-Ether	1695.260	5000.000	ND	Pass	V1
Heptane	1697.720	5000.000	ND	Pass	V1
Hexanes	97.870	290.000	ND	Pass	V1L1
Isopropanol	1692.310	5000.000	ND	Pass	V1L1
Isopropyl-Acetate	1695.450	5000.000	ND	Pass	V1
Methanol	1014.610	3000.000	ND	Pass	V1L1
Pentanes	1706.450	5000.000	ND	Pass	V1L1
Toluene	305.350	890.000	ND	Pass	
Xylenes	731.610	2170.000	ND	Pass	

LEVEL ONE

Qualifiers:
Date Tested: 01/31/2024 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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Mother Distillate THA-0129

Concentrates & Extracts, Distillate, Vacuum Distillation



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	M2
Acephate	0.040	0.400	ND	Pass		Imazalil	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	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	M2	Oxamyl	0.040	1.000	ND	Pass	
Chlorfenapyr	0.440	1.000	ND	Pass	M2	Pacllobutrazol	0.040	0.400	ND	Pass	M2
Chlorpyrifos	0.040	0.200	ND	Pass	M2	Permethrins	0.040	0.200	ND	Pass	M2 V1
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	0.430	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	M2
Dimethoate	0.040	0.200	ND	Pass		Pyridaben	0.040	0.200	ND	Pass	M2
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	M2
Etoxazole	0.040	0.200	ND	Pass	M2	Spirotetramat	0.040	0.200	ND	Pass	M2
Fenoxycarb	0.040	0.200	ND	Pass	M2	Spiroxamine	0.040	0.400	ND	Pass	
Fenpyroximate	0.040	0.400	ND	Pass	M2	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: 01/30/2024 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 THA-0129

Concentrates & Extracts, Distillate, Vacuum Distillation



Mycotoxins

Pass

Total Ochratoxins Date Tested: 01/30/2024
Total Aflatoxins Date Tested: 01/30/2024

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	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.



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Mother Distillate THA-0129

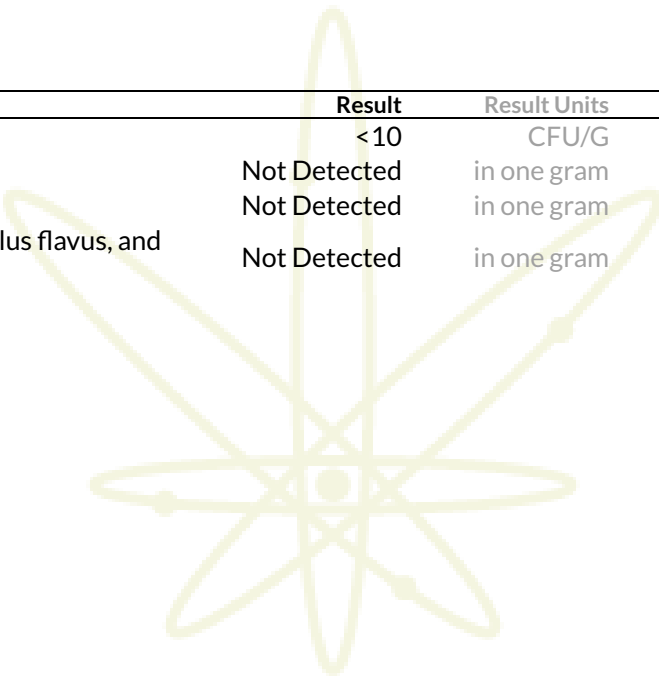
Concentrates & Extracts, Distillate, Vacuum Distillation



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	



LEVEL ONE

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.



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Mother Distillate THA-0129

Concentrates & Extracts, Distillate, Vacuum Distillation



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: 02/03/2024 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



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Mother Distillate THA-0129

Concentrates & Extracts, Distillate, Vacuum Distillation



Notes from Manufacturer

Sunday Goods - Other Information

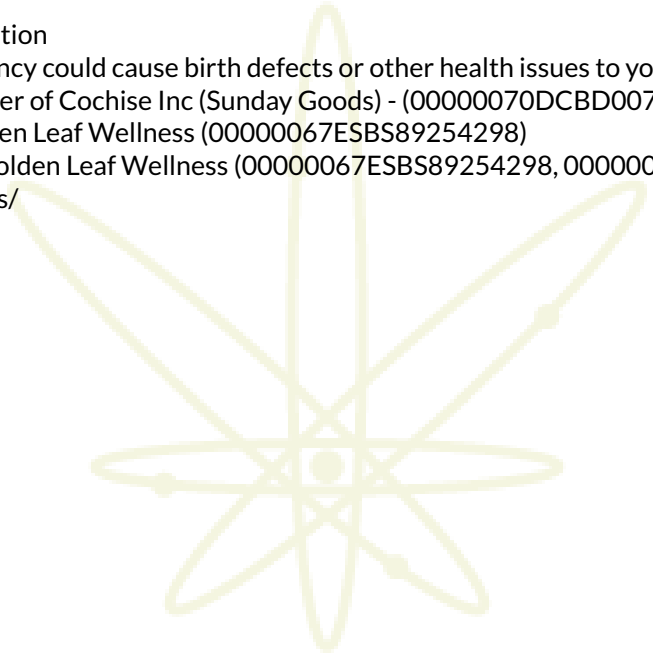
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Distributed through Arizona Golden Leaf Wellness (00000067ESBS89254298, 00000077DCPS0021660)

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