

Io Extracts

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

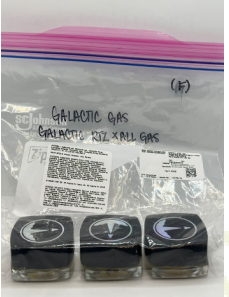
Sample: 2401LVL0100.0612

Secondary License: ; Chain of Distribution:
Strain: Galactic RTZ x All Gas; Batch#: F-0112-GG; Batch Size: g
Sample Received: 01/23/2024; Report Created: 02/01/2024; Expires: 02/01/2025
Sampling Date: 01/11/2024; Sampling Time: 10:30 AM; Sampling Person: Carmen Hamilton
Harvest Date: 08/28/2023; Manufacturing Date: 01/11/2024

Galactic Gas

Concentrates & Extracts, Batter/Badder, Butane
Cultivated by: Arizona Golden Leaf Wellness (Feno) (00000067ESBS89254298)
Manufactured by Arizona Golden Leaf Wellness (00000067ESBS89254298)
Distributed through Arizona Golden Leaf Wellness (00000067ESBS89254298, 00000077DCPS0021660)
<https://azcarecheck.azdhs.gov/s/>



	82.28%	<LOQ	>99.99%
	Total THC	Total CBD	
	46.72 mg/g	Not Tested	Total Cannabinoids
	Total Terpenes	NT Moisture	

Cannabinoids

Complete

Analyte	LOQ	Mass	Mass	Qualifier
	%	%	mg/g	
THCa	0.602	89.275	892.75	
Δ9-THC	0.602	3.984	39.84	
Δ8-THC	0.602	ND	ND	
THCVa	0.602	0.693	6.93	
THCV	0.602	ND	ND	
CBDa	0.602	<LOQ	<LOQ	
CBD	0.602	ND	ND	
CBDVa	0.602	ND	ND	
CBDV	0.602	ND	ND	
CBN	0.602	ND	ND	
CBGa	0.602	1.507	15.07	
CBG	0.602	<LOQ	<LOQ	
CBCa	0.602	4.599	45.99	Q3
CBC	0.602	<LOQ	<LOQ	
Total		>99.99	>99.990	

Qualifiers:
Date Tested: 01/25/2024 12:00 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.

10 Extracts

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Terpenes


Analyte	LOQ	Mass	MassQualifier	Analyte	LOQ	Mass	MassQualifier
	mg/g	mg/g	%		mg/g	mg/g	%
Farnesene	0.06	15.00	1.500	cis-Ocimene	0.11	ND	ND
β-Caryophyllene	0.75	10.93	1.093	Citronellol	3.76	ND	ND
δ-Limonene	0.75	6.59	0.659	Eucalyptol	0.38	ND	ND
β-Myrcene	0.38	3.39	0.339	Fenchone	0.75	<LOQ	<LOQ
α-Humulene	0.38	2.89	0.289	γ-Terpinene	0.38	ND	ND
Fenchol	0.38	2.23	0.223	γ-Terpineol	0.08	ND	ND
α-Pinene	0.38	1.89	0.189	Geraniol	7.52	ND	ND
Linalool	0.75	1.46	0.146	Geranyl Acetate	0.38	ND	ND
β-Pinene	0.75	1.19	0.119	Guaiol	0.38	ND	ND
α-Terpineol	0.61	0.71	0.071	Isoborneol	3.76	ND	ND
Camphene	0.38	0.44	0.044	Isopulegol	0.38	ND	ND
3-Carene	0.75	ND	ND	Menthol	0.38	ND	ND
α-Bisabolol	0.38	<LOQ	<LOQ	Nerol	0.38	ND	ND
α-Cedrene	0.38	ND	ND	Pulegone	0.38	ND	ND
α-Phellandrene	0.38	ND	ND	p-Cymene	0.38	ND	ND
α-Terpinene	0.38	ND	ND	Sabinene	0.38	ND	ND
β-Eudesmol	0.38	ND	ND	Sabinene Hydrate	0.38	ND	ND
Borneol	1.13	<LOQ	<LOQ	Terpinolene	0.75	<LOQ	<LOQ
Camphor	1.50	ND	ND	trans-Nerolidol	0.38	ND	ND
Caryophyllene Oxide	0.38	ND	ND	trans-Ocimene	0.25	ND	ND
Cedrol	0.38	ND	ND	Valencene	0.38	ND	ND
cis-Nerolidol	0.75	ND	ND				


Primary Aromas


 Magnolia


 Cinnamon


 Lemon


 Hops


 Basil

46.72 mg/g
Total Terpenes

Qualifiers:
Date Tested: 01/24/2024 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	Limit	Mass	Status	Qualifier
	PPM	PPM	PPM		
Acetone	344.660	1000.000	ND	Pass	
Acetonitrile	140.100	410.000	ND	Pass	
Benzene	0.690	2.000	ND	Pass	
Butanes	2293.130	5000.000	ND	Pass	
Chloroform	20.640	60.000	ND	Pass	
Dichloromethane	209.720	600.000	ND	Pass	
Ethanol	1710.020	5000.000	ND	Pass	
Ethyl-Acetate	1711.640	5000.000	ND	Pass	
Ethyl-Ether	1704.960	5000.000	ND	Pass	
Heptane	1707.440	5000.000	ND	Pass	V1
Hexanes	98.430	290.000	ND	Pass	
Isopropanol	1702.000	5000.000	ND	Pass	
Isopropyl-Acetate	1705.150	5000.000	ND	Pass	
Methanol	1020.420	3000.000	ND	Pass	
Pentanes	1716.220	5000.000	ND	Pass	V1 L1
Toluene	307.100	890.000	ND	Pass	
Xylenes	735.800	2170.000	ND	Pass	

LEVEL ONE

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.



Certificate of Analysis

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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 V1	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	
Azoxystrobin	0.050	0.200	ND	Pass	V1	Malathion	0.040	0.200	ND	Pass	V1
Bifenazate	0.040	0.200	ND	Pass	M1 V1	Metalaxyl	0.040	0.200	ND	Pass	
Bifenthrin	0.040	0.200	ND	Pass	M2	Methiocarb	0.040	0.200	ND	Pass	V1
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	M2
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	M2	Pacllobutrazol	0.040	0.400	ND	Pass	M2
Chlorpyrifos	0.040	0.200	ND	Pass		Permethrins	0.040	0.200	ND	Pass	M2 V1
Clofentezine	0.040	0.200	ND	Pass	M2	Phosmet	0.040	0.200	ND	Pass	V1
Cyfluthrin	0.440	1.000	ND	Pass	M2	Piperonyl Butoxide	0.040	2.000	ND	Pass	V1
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	0.050	0.200	ND	Pass	
Diazinon	0.040	0.200	ND	Pass	M2	Pyrethrins	0.450	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 V1
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		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	V1
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: 01/24/2024 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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Matthew Schuberth
Laboratory Director

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Mycotoxins

Pass

Total Ochratoxins Date Tested: 01/25/2024
Total Aflatoxins Date Tested: 01/25/2024

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	3.82	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: 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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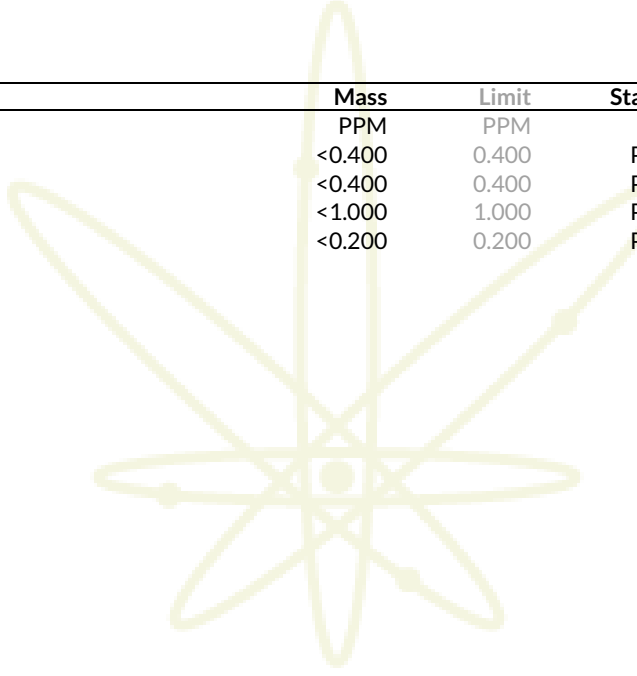
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Heavy Metals

Pass

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



LEVEL ONE

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Date Tested: 01/25/2024 07:00 am

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