

Io Extracts

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


Sample: 2401LVL0100.0616

Secondary License: ; Chain of Distribution:
Strain: Royal Gorilla x Pineapple Cake; Batch#: F-0112-RG; Batch Size: g
Sample Received: 01/23/2024; Report Created: 03/07/2024; Expires: 03/07/2025
Sampling Date: 01/11/2024; Sampling Time: 2:00 PM; Sampling Person: Carmen Hamilton
Harvest Date: 09/18/2023; Manufacturing Date: 01/11/2024

Royal Pineapple

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/>



| | | | |
|--|-------------------|-------------------|--------------------|
|  | 77.83% | <LOQ | 96.44% |
| | Total THC | Total CBD | |
| | 33.57 mg/g | Not Tested | Total Cannabinoids |
| | Total Terpenes | NT Moisture | |

Cannabinoids

Complete

| Analyte | LOQ | Mass | Mass | Qualifier |
|--------------|-------|---------------|---------------|-----------|
| | % | % | mg/g | |
| THCa | 0.593 | 84.973 | 849.73 | |
| Δ9-THC | 0.593 | 3.307 | 33.07 | |
| Δ8-THC | 0.593 | ND | ND | |
| THCVa | 0.593 | 2.350 | 23.50 | |
| THCV | 0.593 | ND | ND | |
| CBDa | 0.593 | <LOQ | <LOQ | |
| CBD | 0.593 | ND | ND | |
| CBDVa | 0.593 | ND | ND | |
| CBDV | 0.593 | ND | ND | |
| CBN | 0.593 | ND | ND | |
| CBGa | 0.593 | 2.581 | 25.81 | |
| CBG | 0.593 | <LOQ | <LOQ | |
| CBCa | 0.593 | 3.231 | 32.31 | Q3 |
| CBC | 0.593 | ND | ND | |
| Total | | 96.443 | 964.43 | |

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.

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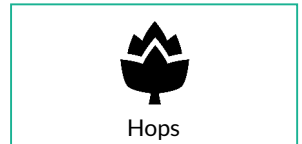
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Terpenes

| Analyte | LOQ | Mass | MassQualifier | Analyte | LOQ | Mass | MassQualifier |
|---------------------|------|-------|---------------|------------------|------|------|---------------|
| | mg/g | mg/g | % | | mg/g | mg/g | % |
| β-Caryophyllene | 0.74 | 15.96 | 1.596 | Citronellol | 3.69 | ND | ND |
| α-Humulene | 0.37 | 4.98 | 0.498 | Eucalyptol | 0.37 | ND | ND |
| δ-Limonene | 0.74 | 4.27 | 0.427 | Farnesene | 0.06 | ND | ND |
| β-Myrcene | 0.37 | 3.24 | 0.324 | Fenchone | 0.74 | <LOQ | <LOQ |
| α-Pinene | 0.37 | 1.40 | 0.140 | γ-Terpinene | 0.37 | ND | ND |
| Fenchol | 0.37 | 1.30 | 0.130 | γ-Terpineol | 0.08 | ND | ND |
| Linalool | 0.74 | 0.93 | 0.093 | Geraniol | 7.39 | ND | ND |
| β-Pinene | 0.74 | 0.87 | 0.087 | Geranyl Acetate | 0.37 | ND | ND |
| α-Bisabolol | 0.37 | 0.62 | 0.062 | Guaiol | 0.37 | ND | ND |
| 3-Carene | 0.74 | ND | ND | Isoborneol | 3.69 | ND | ND |
| α-Cedrene | 0.37 | ND | ND | Isopulegol | 0.37 | ND | ND |
| α-Phellandrene | 0.37 | ND | ND | Menthol | 0.37 | ND | ND |
| α-Terpinene | 0.37 | ND | ND | Nerol | 0.37 | ND | ND |
| α-Terpineol | 0.60 | <LOQ | <LOQ | Pulegone | 0.37 | ND | ND |
| β-Eudesmol | 0.37 | ND | ND | p-Cymene | 0.37 | ND | ND |
| Borneol | 1.11 | <LOQ | <LOQ | Sabinene | 0.37 | ND | ND |
| Camphene | 0.37 | <LOQ | <LOQ | Sabinene Hydrate | 0.37 | ND | ND |
| Camphor | 1.48 | ND | ND | Terpinolene | 0.74 | <LOQ | <LOQ |
| Caryophyllene Oxide | 0.37 | <LOQ | <LOQ | trans-Nerolidol | 0.37 | ND | ND |
| Cedrol | 0.37 | ND | ND | trans-Ocimene | 0.24 | ND | ND |
| cis-Nerolidol | 0.74 | ND | ND | Valencene | 0.37 | ND | ND |
| cis-Ocimene | 0.11 | ND | ND | | | | |

Primary Aromas



33.57 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 PPM | Limit PPM | Mass PPM | Status | Qualifier |
|-------------------|------------|--------------|-------------|--------|-----------|
| Acetone | 348.650 | 1000.000 | ND | Pass | |
| Acetonitrile | 141.730 | 410.000 | ND | Pass | |
| Benzene | 0.690 | 2.000 | ND | Pass | |
| Butanes | 2319.690 | 5000.000 | ND | Pass | |
| Chloroform | 20.880 | 60.000 | ND | Pass | |
| Dichloromethane | 212.150 | 600.000 | ND | Pass | |
| Ethanol | 1729.830 | 5000.000 | ND | Pass | |
| Ethyl-Acetate | 1731.470 | 5000.000 | ND | Pass | |
| Ethyl-Ether | 1724.710 | 5000.000 | ND | Pass | |
| Heptane | 1727.220 | 5000.000 | ND | Pass | V1 |
| Hexanes | 99.570 | 290.000 | ND | Pass | |
| Isopropanol | 1721.720 | 5000.000 | ND | Pass | |
| Isopropyl-Acetate | 1724.900 | 5000.000 | ND | Pass | |
| Methanol | 1032.240 | 3000.000 | ND | Pass | |
| Pentanes | 1736.100 | 5000.000 | ND | Pass | V1 L1 |
| Toluene | 310.660 | 890.000 | ND | Pass | |
| Xylenes | 744.320 | 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

Powered by Confident LIMS
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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 | 0.050 | 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 | 0.450 | 1.000 | ND | Pass | M2 | Pacllobutrazol | 0.050 | 0.400 | ND | Pass | M2 |
| Chlorpyrifos | 0.050 | 0.200 | ND | Pass | | Permethrins | 0.050 | 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 | 0.450 | 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 | 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 | 0.050 | 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 | 0.050 | 0.200 | ND | Pass | | Spiroxamine | 0.040 | 0.400 | ND | Pass | |
| Fenpyroximate | 0.040 | 0.400 | ND | Pass | M2 | Tebuconazole | 0.050 | 0.400 | ND | Pass | M2 |
| Fipronil | 0.040 | 0.400 | ND | Pass | | Thiacloprid | 0.040 | 0.200 | ND | Pass | V1 |
| 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 |
|---------|-----|-------|-------|--------|
|---------|-----|-------|-------|--------|

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.



1525 N Granite Reef Rd
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Matthew Schubert
Laboratory Director

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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. Batch # Updated. All previous versions are void. KPM 3-7-24.

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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 | 4.18 | 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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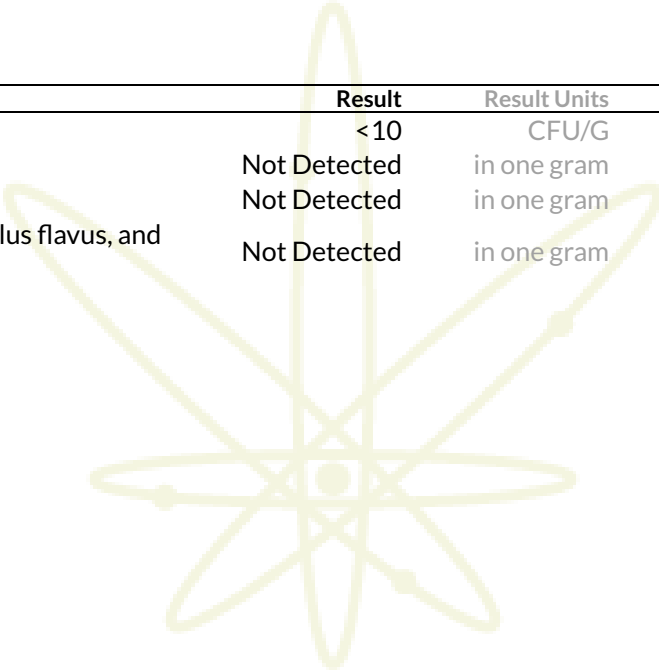
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Microbials

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 | |



LEVEL ONE

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 | L1 |
| Cadmium | <0.400 | 0.400 | Pass | |
| Lead | <1.000 | 1.000 | Pass | |
| Mercury | <0.200 | 0.200 | Pass | |

LEVEL ONE

Qualifiers:
Date Tested: 01/26/2024 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